

87<sup>th</sup>  
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PART - I



UNIVERSITY OF DELHI

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## ACHIEVEMENTS OF THE YEAR

### Academic

As always, Delhi University maintained its pace with the rapidly growing knowledge base and, accordingly, the syllabi of various courses have been revised and implemented from academic session 2009-10. In many cases, such revisions have taken place after a substantial period of time. As a major step, from academic session 2009-10, all postgraduate degree courses have been brought under the Semester System. Currently, revision of undergraduate courses is also under way to provide a wider knowledge-background to the students and all efforts are being made to implement the Semester System from 2010-11 for the undergraduate courses also. The following new courses have been introduced from academic session 2009-10: (i) Postgraduate Degree Course in Homoeopathic Medicines (M.D. Homoeopathy), (ii) B.F.A. (Visual Communication), (iii) B.F.A. (Print-Making), (iv) B.F.A. (Art History), (v) M.F.A. (Visual Communication), (vi) M.F.A. (Print-Making), (vii) One year Postgraduate Diploma in Forensic Science, (viii) One Year Postgraduate Intensive Diploma in Korean Language, (ix) One Year Postgraduate Intensive Advanced Diploma in Korean Language and (x) One Year Postgraduate Diploma in Nanotechnology.

### Scholarships and Medals

To encourage the students, the following new Scholarships/Medals have been instituted:

(i) Shri Bodhishwar Rai Scholarship, (ii) Dr. Dev Raj Seth and Smt. Sushila Seth Scholarship, (iii) Prof. K.N. Johri Memorial Scholarship, (iv) Justice Sunanda Bhandare Scholarship, (v) Prof. Sumati Mutatkar Scholarship, (vi) L.R. Bhansali Cash Award, (vii) Mitsubishi Corporation India Scholarship, (viii) Randhir Singh Scholarship, (ix) Prof. Gurbaksh Singh Scholarship and (x) Padmabhushan Professor Tiruvenkata Rajendra Seshadri (FRS) Commemoration Gold Medal.

### University Grants Commission and Research Grants

The University Grants Commission has conveyed the approval of ₹ 725.30 crore, tentatively, as the XIth Plan Allocation to Delhi University.

The Commission has also sanctioned the 2nd installment of ₹ 215 crore for Delhi University, out of the tentative allocation of ₹ 431 crore for implementation of OBC reservation in the University Departments, 53 UGC Maintained Colleges, Non-Collegiate Women's Education Board and University College of Medical Sciences as per the Central Educational Institutions (Reservation in Admission) Act, 2006.

The Commission has sanctioned the 3rd installment of ₹50 crore to the University Department, out of the tentative allocation of ₹100 crore, for the year 2009-10 for implementation of OBC reservation as per the Central Educational Institutions (Reservation in Admission) Act, 2006.

The Commission has sanctioned the 4th installment of ₹ 50 crore (₹ 25 crore to the University Departments out of the tentative allocation of ₹100 crore and ₹ 25 crore to the UGC-funded Colleges affiliated to Delhi University out of the tentative allocation of ₹ 300 crore) for implementation of OBC reservation as per the Central Educational Institutions (Reservation in Admission) Act, 2006.

The Commission has sanctioned ₹ 33.75 crore as a Special Grant under the XIth Plan as General Development Grant.

The Commission has conveyed the approval of the XI Plan Allocation of ₹ 20.61 crore under the General Development Grant to the University College of Medical Sciences (UCMS) based on the recommendations of the Visiting Committee.

The Commission has sanctioned on account grant of ₹ 10.52 crore out of the total allocation of ₹ 170.00 crore towards General Development Grant under the XIth Plan.

The Commission has conveyed the approval of the final XIth Plan Allocation of ₹ 1.70 crore under the General Development Grant.

The Commission has sanctioned the third installment of ₹ 30 lakh to the Department of Geology for strengthening of infrastructure, including the component of research at the P.G. level.

Approval by the UGC has been conveyed for continuation of the Special Assistance Programme at the level of CAS in the Department of Sociology for a period of five years.

The Commission has sanctioned the Special Assistance Programme in the Department of East Asian Studies at the level of DRS-I for a period of five years.

The Commission has conveyed approval of the Special Assistance Programme in the Department of English for continuation from DSA-I to DSA-II for a period of five years.

The Commission has conveyed approval of the Special Assistance Programme to the Department of Buddhist Studies for continuation from DRS-II to DRS-III for a period of five years.

The Commission has conveyed approval of the Special Assistance Programme to the Department of MIL & LS, for continuation from DRS-I to DRS-II for a period of five years.

### **Research Grants**

During the period under report, the following faculty members of the University have been sanctioned Research Projects of value more than ₹ 1 crore.

The Dean, Research, has been sanctioned ₹ 30 crore from DST/DU for the project titled 'DST/DU Purse Grant'.

**Prof. R.K. Shivpuri**, Department of Physics & Astrophysics, has been sanctioned ₹ 3.60 crore from DST for the project titled 'Study of New Particles with the CMS Detector at the Large Hadron Collider and Heavy Ion Physics using LHC at CERN–CMS Experiment'.

**Dr. Suman Kundu, Prof. Alo Nag, Prof. Girdhar K. Pandey, Dr. Jagreet Kaur, Prof. Suneel Kateriya, Prof. Surajit Sarkar and Dr. Swati Saha**, have been sanctioned ₹ 2.52 crore from DU/DST for the project titled 'DU/DST - Purse Grant'.

**Prof. B.K. Thelma**, Department of Genetics, has been sanctioned ₹2.14 crore from DU/DST for the project titled 'DU/DST-Purse Grant & Industrial Grant–Labindia Life Sciences Ltd./CIF–Equipment'.

**Prof. J.P. Khurana**, Department of Plant Molecular Biology, has been sanctioned ₹1.79 crore from NAIP for the project titled 'Bioprospecting of gene and allele mining for abiotic stress tolerance' and ₹ 1.08 crore from DBT for the project titled 'Functional analysis of gene regulatory network during flower and seed development of rice'.

**Prof. V.K. Chaudhary**, Department of Biochemistry, has been sanctioned ₹ 1.76 crore from DBT for the project titled 'DBT Indo-Finland-High performing lateral-flow type assay concepts for cardiac and infectious disease testing'.

**Prof. Saurabh Raghuvanshi**, Department of Plant Molecular Biology, has been sanctioned ₹ 1.36 crore from DBT for the project titled 'Establishment of National database on rice'.

**Prof. Sanjay Kapoor**, Department of Plant Molecular Biology, has been sanctioned ₹ 1.28 crore from DBT for the project titled 'Functional analysis of gene regulatory network during flower and seed development of rice'.

**Dr. Vinod Kumar**, Department of Zoology, has been sanctioned ₹ 1 crore from DST for the project titled 'A study from Behaviour to Molecular IRHPA'.

**Prof. Vinay Gupta**, Department of Physics & Astrophysics, has been sanctioned ₹ 1.03 crore from MOC & IT for the project titled 'Development of a low cost real time monitoring system for detection of harmful gases'.

**The following faculty members have been sanctioned one or more projects of value more than ₹10 lakh:**

<i>Name</i>	<i>Department</i>
Prof. N.K. Chadha	Adult Continuing Education & Extension
Dr. Rupam Kapoor	Anthropology
Dr. Akshaya R. Shete	Botany
Prof. S.C. Bhatla	Botany
Dr. Suneel Kateriya	Biochemistry
Prof. V.K. Chaudhary	Biochemistry
Prof. K.V. Sindhu	Biochemistry
Prof. S.M.S. Chauhan	Chemistry

Prof. Akhilesh K. Verma	Chemistry
Prof. Ashok Kr. Prasad	Chemistry
Dr. P. Venkatesu	Chemistry
Prof. Inderit Singh	CEMDE
Dr. S.D. Biju	CEMDE
Prof. P.K. Bhatanagar	Electronic Science
Prof. A.K. Pradhan	Genetics
Prof. B.K. Thelma	Genetics
Prof. M.V. Rajam	Genetics
Dr. Surajit Sarkar	Genetics
Prof. J.P. Shrivastava	Geology
Dr. Vikrant Jain	Geology
Prof. J.S. Viridi	Microbiology
Prof. R.K. Saxena	Microbiology
Prof. Seema Khan	Microbiology
Prof. Rani Gupta	Microbiology
Dr. Swati Saha	Microbiology
Prof. Vivek Kumar	Mathematics
Prof. P.K. Kapur	Operational Research
Prof. Ashum Gupta	Psychology
Prof. I. Dasgupta	Plant Molecular Biology
Dr. Surekha Katiyar Agarwal	Plant Molecular Biology
Prof. P.D. Sahare	Physics & Astrophysics
Prof. R.P. Tandon	Physics & Astrophysics
Dr. S. Mandal	Physics & Astrophysics
Dr. Suresh Kumar	Physics & Astrophysics
Prof. Vinay Gupta	Physics & Astrophysics
Prof. Rajni Palriwala	Sociology
Dr. Neerja Agrawal	Zoology
Dr. Anju Shrivastava	Zoology
Dr. Rajagopal Raman	Zoology

In addition to the above-mentioned projects, as many as 36 other projects with a total grant of ₹ 2.16 crore have been sanctioned to the faculty members of various departments of the University by different funding agencies.

### **Infrastructure**

#### **The following construction work is in progress at North Campus**

Development of sports facilities and associated infrastructure at North Campus, Delhi University, for the Commonwealth Games, 2010.

Construction of 250 double-seated rooms in Rajiv Gandhi Girl's hostel for Schedule Tribe and North Eastern students at Dhaka Complex.

Renovation of Delhi School of Economics and providing VRV air conditioning system.

Air conditioning of Physics and Chemistry departments handed over to USIC for installation of analytical instruments and Nuclear Science lab at Delhi University.

Restoration/renovation of Anthropology Department.

Vertical extension to Dr. B.R. Ambedkar Centre (two storied).

Construction of additional 150 double-seated rooms in Rajiv Gandhi Girl's Hostel.

Construction of 70 'D' type flats at Dhaka Complex.

Construction of 350 double-seated rooms in the Girl's Hostel at Dhaka Complex.

Construction of lecture halls in the Mathematical Science building in North Campus.

Construction work of the Housing Complex at South Campus has been completed.

### **Agreement and MoUs**

In the pursuit to enrich its academic inputs and experiences, Delhi University has maintained its tradition of entering into academic collaboration with premier institutions through various agreements. In its endeavour, the University has signed Agreements/Memoranda of Understanding (MoU) for academic and research collaborations with many institutions. Some of these are as follows:

(i) National Tsing Hua University, Taiwan, (ii) Korea Research Institute of Bioscience and Biotechnology (KRIBB), Korea, (iii) Konkuk University, Korea, (iv) Universita Della, Calabria, (v) Kangwon National University, Korea, (vi) University of Zagreb, Croatia, (vii) Korea University, Korea, (viii) University of the Fraser Valley, Canada, (ix) Norwegian University of Science and Technology, Trondheim, Norway, (x) University of Calgary, Canada, (xi) Hokkaido University, Japan, (xii) Kyungsoong University, Korea, (xiii) Danish School of Education, University of Aarhus, Denmark, (xiv) Foundation of Castellano Y Leones Institute of Language Burgos, Spain, (xv) Fudan University, China, (xvi) University of Wales, Newport, UK, (xvii) The Georg-August-University Gottingen, Germany, (xviii) Alabama State University, USA, and (xix) University of Melbourne, Australia.

### **Symposia/Seminars/Conventions/Lectures**

In the University lecture series during the period under report, many renowned academicians and eminent scholars spoke at the University. Some of these lectures include:

#### **Lecture Series**

Lecture on 'Globalisation and the Fraying of the Nation State' by Mr. Chris Patten, Former European Commissioner for External Relations, Governor of Hong Kong, 24 March 2009.

Lecture on 'A Forgotten Tradition: The Murals of India' by Mr. Binoy K. Behl, Art Historian, Delhi, 14 September 2009.

Lecture on 'Gallium Nitride: An Amazing Semiconductor with a Breadth of Applications' by Prof. Umesh K. Mishra, University of California, Santa Barbara, 14 December 2009.

Lecture on 'Origin of Universe' by Dr. John Ellis, European Center for Nuclear Research, Switzerland, 22 January 2010.

Lecture on 'Conical Diffraction: Imaging Hamilton's Diabolical Point' by Prof. Sir Michael Berry, Bristol University, 27 January 2010.

Lecture on 'The Backbone Shiver: Darwin and the Arts' by Prof. Dame Gillian Beer, University of Cambridge, 10 February 2010.

Lecture on 'Green and plentiful nuclear Energy: Combating Global Warming' by Prof. Swadesh Mitter Mahajan, University of Texas at Austin, 5 March 2010.

**A number of Conferences, Workshops, Seminars, Symposia and Talks on different topics were organized by the faculties and departments, which include**

International Conference on 'Quality Reliability and Infocom Technology' was organized by the Department of Operational Research, 18-20 December 2009.

International Conference on 'ISMOT-9' was organized by the Department of Electronic Science, December 2009.

International Seminar on 'Sixty Years of the People's Republic of China' was organized by the Department of East Asian Studies, 7 October 2009.

International Conference on 'Inter-Regionalism between East Asia & SAARC: Perspective, Challenges and Implications for the future' was organized by the Department of East Asian Studies, 26-27 November 2009.

International Conference on 'Buddhism in East Asia: Traditions, Changes and Challenges' was organized by the Department of East Asian Studies, 12-13 February 2010.

National Seminar on 'East Asian Languages & Translations' was organized by the Department of East Asian Studies, 29 March 2010.

7th Asia-Pacific Conference on 'Algal Biotechnology' was jointly organized by the Department of Botany and Indian Psychological Society, Delhi, 1-4 December 2009.

National Seminar on 'Agency, Autonomy and Power: A Dialogue on Women and Body' was organized by Women's Studies & Development Centre, 23-25 February 2010.

National Seminar on 'Colonialism, Post-Colonialism and Literature' in collaboration with Punjabi Academy, Delhi, was organized by the Department of Punjabi, 30-31 March 2010.

National Workshop on 'HIV/AIDS in Medical Curriculum', funded by WHO, was organized by the Department of Community Medicine, UCMS, 9-11 November 2009.

Workshop on 'Undesired Daughters: the Paradox of modern India' in collaboration with Neelambar Hatti from the University of Lund, Sweden, was organized by the Department of Sociology at India International Centre, New Delhi, 12-13 February 2010.

International Workshop on 'Molecular Systematics of Flowering Plants' was organized by Delhi University, DST and CSIR, 5-10 October 2009.

National Seminar on 'Environmental Lung Disease' was organized by the V.P. Chest Institute, 6 April 2009.

9th CME: 'Seminar on Pneumonias' was organized by the V.P. Chest Institute, 13 February 2010.

35th Workshop on 'Respiratory Allergy: Diagnosis and Management' was organized by the V.P. Chest Institute in collaboration with the Institute of Genomics and Integrative Biology, 8-12 March 2010.

National Symposium-cum-Workshop on 'PBL and Formulation of a need based contemporary curriculum in Undergraduate Pharmacology Education' was organized by the Pharmacology Department, LHMC, UCMS and ISRPT.

The 6th International Solanaceae Genome Workshop was organized (as Co-Convener) at Hotel Le Meridian, New Delhi. Nearly 350 Scientists participated in this workshop, including 150 from overseas representing nearly 20 countries.

### **Awards and Honours**

**The following Faculty members of the University have continued to receive recognition**

**Prof. Rehana Khatoon:** Head of the Department of Persian, has been conferred the Prestigious Presidential Award of Certificate of Honour in Persian.

**Prof. Ten Chung:** Former Professor of Delhi University, has been conferred the 'Padma Bhushan', the third highest civilian award, by the Govt. of India.

**Prof. Anil Tyagi:** Department of Biochemistry, has been awarded the prestigious National J.C. Bose Fellowship and also awarded the Vigyan Gaurav Samman Award of the Council of Science and Technology, UP Government.

**Prof. V.K. Chaudhary:** Department of Biochemistry, has been awarded the Professor B.K. Bachhawat Memorial Lecture Award of the National Academy of Sciences, India, for 2009.

**Dr. Suman Kundu:** Department of Biochemistry, has received the Indo-US Research Fellowship 2010 from the Indo-US Science and Technology Forum.

**Dr. Suneel Kateriya:** Department of Biochemistry, has been awarded the Young Scientist Award of Indian Science Congress in New Biology Section for 2009-10 and was also awarded the Ratan Phadke Award for Young Scientist for 2010 by the Indian Biophysical Society.

**Dr. A. Indrayan:** Head of the Department of Biostatistics and Medical Informatics, UCMS, has been elected as a Fellow of the Indian Academy of Sciences.

**Prof. P.K. Kapur:** Department of Operational Research, was commended by the Organizing Committee of the XXIII International Conference of the Jangajeon Mathematical Society held at Shahid Chahmran University Ahvaz (Iran), 8-10 February 2010, for his exceptional contributions as an Author and Researcher in Modelling and Optimization in hardware and software reliability and elected lifetime President of the Society for Reliability Engineering, Quality and Operations Management.

**Dr. Surajit Sarkar:** Department of Genetics, has been awarded the BOYSCAST Fellowship to conduct advanced research at California Institute of Technology (CALTECH) USA.

**Prof. B.K. Thelma:** Head of the Department of Genetics, has been appointed Member of the Scientific Advisory Council to the Prime Minister of India in November 2009.

**Dr. Shipra Paul:** Lady Harding Medical College, was elected Member of the American Association of Anatomists.

**Prof. S.K. Bhasin:** Community Medicine, University College of Medical Sciences, was awarded Fellowship of the International Medical Science Academy in October 2009.

**Prof. Arun Kumar Sharma:** Community Medicine, University College of Medical Sciences, was awarded the Penn Rockefeller Fellowship to attend the XVIII ICOWHI Meeting at University of Pennsylvania, PA, USA.

**Prof. S.N. Gaur:** has become Fellow of the National Academy of Medical Sciences, New Delhi.

**Dr. Jayashree Bhattacharjee:** Lady Hardinge Medical College, was elected president of ISARCCON and awarded Fellowship of ACBI.

**Prof. Reena Yadav:** Lady Hardinge Medical College, was awarded the Dr. Urvashi P. Jha Gold medal for best presentation on 'Gynaecological Endoscopy' at the AOGD Conference.

**Dr. Anju Seth:** Lady Hardinge Medical College, was awarded the Sarla Vaishnav award for best research paper in the field of metabolic disorders, 2009.

**Dr. Soumya Patra and Dr. Varinder Singh:** Lady Hardinge Medical College, were awarded the Gold medal (S.T. Achar Endowment Award) for the best paper in Paediatrics.

**Dr. Manisha Chaudhary:** Lady Hardinge Medical College, was awarded the Ernest Fernades Award for 2009.

**Dr. Sushma Nangia, Dr. Vikram Dutta, Dr. Sherwal, Dr. Manoj Jais and Dr. Praveen:** Lady Hardinge Medical College, were awarded WHO Fellowships.



**Dr. J.K. Gambhir:** Department of Biochemistry, UCMS, was awarded the R.N. Chakarbarty orientation of the Indian Society of Atherosclerosis Research in ISARCON-09 held at Mysore in December 2009 and was also awarded an International Travel Grant of the American Association of Clinical Chemistry (AACC) to present the work at Chicago, July 2009.

**Dr. B.D. Banerjee:** Department of Biochemistry, UCMS, was awarded the Indo-US Bensary to visit University of Illinois at Chicago, US, in October 2009 and to give an invited talk in the area of xenobiotic induced neurodisorder.

**Dr. S.B. Sharma:** Department of Biochemistry, UCMS, has been elected Vice President of the Indian Society for Atherosclerosis Research, India.

**Prof. I. Usha Rao:** Head of the Department of Botany, has been elected Secretary-Treasurer of the International Society of Plant Morphologists for the years 2010-14 consecutively for the third term.

**Prof. Ved Pal Singh:** Department of Botany, has been elected President of the International Society of Plant Morphologists for the years 2010-14 consecutively for the third term.

**Prof. K.S. Rao:** Department of Botany, has been awarded the UGC National Swami Parmanand Saraswati award for Ecology and Environmental Sciences for the year 2009-10 and was also elected Secretary General of the National Institute of Ecology for the years 2009-11.

**Prof. Arun K. Pandey:** Department of Botany, has been elected President of the Indian Association for Angiosperm Taxonomy and also delivered the G. Panigrahi Memorial Lecture in the XXXII Annual Conference of the Indian Botanical Society held at Kuvempu University, Karnataka.

**Prof. Veena Agrawal:** Department of Botany, has been elected Member of the Plant Tissue Culture Association, India, during the 31st Annual Meeting of the Plant Tissue Culture Association at Centre of Advanced Study organized by Department of Botany, University of Calcutta, Kolkatta.

**Prof. Raj Kumar:** Head of the Department of Respiratory Allergy & Applied Immunology, V.P. Chest Institute, has been awarded a travel grant for attending a 'Food Allergy Training Course' organized by the European Academy of Allergy and Clinical Immunology at Castelbrando, Treviso, Italy.

**Prof. J.S. Viridi:** Department of Microbiology, has been awarded the Dr. Y.S. Narayana Rao Oration Award by the Indian Council of Medical Research for his research contributions in the field of Molecular epidemiology of *Yersinia enterocolitica*.

**Dr. T. Satyanarayana:** Department of Microbiology, has been conferred the Dr. V. Agnihotri Memorial Award for his distinguished contributions to Mycology at the XXXVI Annual Meeting held at Goa University, Goa, in October 2009.

**Prof. M.L. Singla:** Faculty of Management Studies, has been awarded the IBM Faculty Award for carrying out research on the topic 'BPR or BPM: Way ahead for India'. This was awarded on the basis of an online global competition.

**Dr. (Mrs.) Indu Anand:** Janki Devi Memorial College, has received a Fulbright Visiting Scholarship under the Fulbright Visiting Specialists Programme: Direct Access to the Muslim World, awarded by the Council for International Exchange of Scholars, United States. She was the first scholar selected under this programme and also the recipient of the Amity Women Achiever Award received on the occasion of an International Conference on International Business Horizon, INBUSH 2010, organized by Amity University.

**Dr. Savita Singh:** Head of the Department of Physiology, was facilitated and awarded the Health Education and Development Award, in the Health Summit 2010 held in Delhi, 7 April 2010.

**Prof. M.M.A. Faridi:** Head of the Department of Paediatrics, UCMS, was invited by UNICEF to visit Yemen as IYCF Consultant to provide technical support to the Ministry of Public Health and Population of Yemen, 13 May-3 June 2009, and invited by the Govt. of Afghanistan as Course Director to conduct 'T-O-T on Breast Milk Substitute Code', 18-20 July 2009.

**Dr. Anju Aggarwal:** Reader, Department of Paediatrics, UCMS, was elected Executive Member of the Indian Academy of Paediatrics and Association of Child Neurology.

**Dr. B.K. Jain:** Head, Department of Surgery, UCMS, was admitted to the Fellowship of the National Academy of Medical Sciences (India) on 30 October 2009.

**Dr. Neha Kumar:** Department of Obstetrics and Gynaecology, UCMS, has been awarded the Dr. Kusum Pandit Award for Best Postgraduate Thesis in UCMS and GTB Hospital, 2009.

**Dr. Neha Rani:** Has been awarded the Dr. Neelam B. Vaid Gold Medal titled 'Pre-operative Ultrasonography in the Evaluation of Abdominal Wall Adhesions', in October 2009.

**Dr. Bhawna Agarwal:** Has been awarded the Dr. B.K. Mohanty Best Paper Award titled 'VIA-VILI: Extended Gynecologic Examination', in November 2009.

**Dr. Gita Radhakrishnan:** Has been awarded 'Evaluation of follicular Dynamics as predictors of success of IUI after COH' in December 2009.

**Dr. Reshu Saraogi:** Has been awarded the R.D. Pandit Award for best Postgraduate thesis at All India Level titled 'Comparison of Transvaginal Sonography, Saline Infusion Sonography and Hysteroscopy in the Evaluation of Postmenopausal Bleeding', in January 2010.

**Dr. Rajni Sushma:** A&U Tibbia College, has been awarded ₹ 50,000 for performance as Best Physician of Govt. of NCT of Delhi.

**Dr. Nuzhat Ishtiaque:** A&U Tibbia College, has been awarded ₹ 50,000 for the performance as Best Physician of Govt. of NCT of Delhi.

**Prof. J.P. Khurana:** Department of Plant Molecular Biology, has been appointed General Secretary of the National Academy of Sciences, India, and awarded the Tata Innovation Fellowship by the Department of Biotechnology, Govt. of India.

**Prof. Paramjit Khurana:** Department of Plant Molecular Biology, has been awarded Fellowship of the Indian Academy of Sciences, Bangalore.

**Prof. M. Vijayan:** Department of Zoology, has been awarded the Prof. M.R.N. Prasad Memorial Lecture Award by the Indian Science Academy, New Delhi.

**Prof. I. Dasgupta:** Department of Plant Molecular Biology, has been awarded Fellowship of the National Academy of Sciences India, Allahabad and Bangalore.

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## OFFICERS OF THE UNIVERSITY

### **Chancellor**

Hon'ble Mohd. Hamid Ansari

### **Pro-Chancellor**

Justice K.G. Balakrishnan

### **Vice-Chancellor**

Professor Deepak Pental

### **Pro-Vice-Chancellor**

Professor S.K. Tandon

### **Dean of Colleges**

Professor (Ms.) Nayanjot Lahiri

### **Director, South Delhi Campus**

Professor Dinesh Singh

### **Director, Campus of Open Learning**

Dr.(Ms.) Savita M. Datta

### **Treasurer**

Ms. Janaki Kathpalia

### **Registrar**

Sh. R.K. Sinha

### **Deans of the Faculties**

Arts	:	Professor M.M. Agrawal	
Science	:	Professor Rup Lal	
Social Sciences	:	Professor Achin Vanaik Professor Rajni Palriwala	(up to 28.12.2009) (w.e.f. 29.12.2009)
Law	:	Professor S.N. Singh	
Management Studies	:	Professor J.K. Mitra Professor K. Mamkootam	(up to 27.09.2009) (w.e.f. 28.09.2009)
Mathematical Sciences	:	Professor (Ms.) Manju Lata Aggarwal Professor P.K. Kapur	(up to 15.04.2009) (w.e.f. 16.04.2009)
Medical Sciences	:	Professor (Ms.) Kiran Mishra	

Music & Fine Arts	:	Professor (Ms.) Anjali Mittal	
Technology	:	Professor Santosh Kumar Singh Professor Ashutosh Trivedi	(up to 16.04.2009) (w.e.f. 17.04.2009)
Ayurvedic and Unani	:	Dr. Abdul Hafeez	
Education	:	Professor (Ms.) Bharati Baveja Professor Anita Ramphal	(up to 02.11.2009) (w.e.f. 03.11.2009)
Inter-Disciplinary and Applied Sciences	:	Professor (Ms.) Rani Gupta Professor Avinashi Kapoor	(up to 07.09.2009) (w.e.f. 08.09.2009)
Applied Social Sciences and Humanities	:	Professor (Ms.) Rashmi Aggarwal	
Commerce & Business	:	Professor Sanjay Sehgal	

***Proctor***

Professor Gurmeet Singh



## SUMMARY OF SELECT DECISIONS OF THE EXECUTIVE COUNCIL

The Council accepted changing the method of recruitment for the post of Assistant Librarian/ College Librarian from promotion and direct recruitment on 50 : 50 basis to direct recruitment on the direction of the UGC letter dated 13 January 2009.

*(E.C. Res. No.12 dated 20.04.2009)*

The Council accepted the following proposal regarding enhancement of allowance to be paid to Professor(s), Reader(s), and Lecturer(s) of various departments during their term of appointment as Provost(s), warden(s) and Resident Tutor(s) of various Halls/Hostels of the University:

<b>Post</b>	<b>Existing Allowance</b>	<b>Proposed Allowance</b>
Provost	₹ 500 p.m.	₹ 5000 p.m.
Warden	₹ 300 p.m.	₹ 3000 p.m.
Resident Tutor	₹ 250 p.m.	₹ 2500 p.m.

*(E.C. Res. No.20 dated 20.04.2009)*

The Council accepted the recommendations of the Academic Council regarding interdisciplinary semester-based syllabus of the following courses to be effective from the academic session 2009-10:

(i) M.A. English, (ii) M.A. Hindi, (iii) M.A. Sanskrit, (iv) M.A. Arabic, (v) M.A. Persian, (vi) M.A. Psychology, (vii) M.Lib. Science, (viii) B.Lib. Science, (ix) M.A. Hindustani & Karnatak Music (Vocal), (x) M.Sc. Chemistry, (xi) M.Tech. Chemical Synthesis and Process Technologies, (xii) M.Sc. Bio-Chemistry, (xiii) M.Sc. Microbiology, (xiv) M.Sc. Genetics, (xv) M.Sc. Plant Molecular Biology and Biotechnology, (xvi) M.A. Tamil, (xvii) M.A. Bengali, (xviii) M.A. Punjabi, (xix) M.A. Philosophy, (xx) (i) M.A. Linguistics, (ii) Post M.A. Diploma in Linguistics, (iii) Advanced Diploma in Applied Linguistics, (xxi) M.A. East Asian studies, (xxii) M.A. Japanese, (xxiii) M.A./M.Sc. Statistics, (xxiv) M.Sc. Zoology, (xxv) M.Sc. Botany.

*(E.C. Res. No.65 (1-25) dated 26.06.2009)*

The Council accepted the recommendations of the Academic Council regarding interdisciplinary semester-based syllabus of following courses to be effective from the academic session 2009-10:

(i) M.Sc. Operational Research, (ii) M.A./M.Sc. Applied Operational Research, (iii) Master of Computer Applications (MCA), (iv) M.Sc. Computer Science, (v) M.Sc. Anthropology, (vi) M.A. Geography, (vii) M.A. Political Science, (viii) M.A. Comparative Indian Literature, (ix) M.A. French/German/Hispanic and Italian Studies, (x) M.Sc. Medical Imaging Technology (Radiography), (xi) Master of Finance and Control (MFC), (xii) M.Sc. Physics, (xiii) M.Sc. Biomedical Sciences, (xiv) M.A. History, (xv) M.Sc. Environmental Biology.

*(E.C. Res. No.99 dated 27.07.2009)*

The Council accepted the recommendations of the Academic Council regarding the introduction of the following courses:

One-Year Postgraduate Intensive Diploma Course in Korean Language.

One-Year Postgraduate Intensive Advanced Diploma Course in Korean Language.  
*(E.C. Res. No. 199(1) dated 23.12.09)*

The Council accepted that the re-designation of posts of Research Scientist 'C', Research Scientist 'B' and Research Scientist 'A' to that of Professor, Associate Professor, and Assistant Professor.  
*(E.C. Res. No. 204 dated 23.12.09)*

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## **CONVOCATION**

The 87th Annual Convocation was held on 20 March 2010. Dr. R. Chidambaram, Principal Scientific Adviser to the Government of India, was the Chief Guest. The convocation was presided over by Prof. Deepak Pental, Vice-Chancellor, Delhi University.

The total number of candidates admitted to the Ph.D., D.M. and M.Ch. degrees in various faculties was 485.

In addition, 67,153 candidates were admitted to various degree courses, including those of Bachelors, Masters, LL.B., M.B.B.S. and M.Phil. A total of 134 medals and 50 prizes were awarded.

## **STUDENT ENROLMENT**

The total numbers of students enrolled in the University during the academic year 2009-10 was 3,82,344. Of these, 1,30,988 students were enrolled in the Colleges, 14,971 in the University Departments, 2,17,469 in the School of Open Learning, 11,300 in the Non-Collegiate Women's Education Board and 7,616 in the External Candidates' Cell.

## **SC/ST STUDENT ENROLMENT**

During the period under report, the total number of SC and ST Students enrolled in the various Under-graduate and Post-graduate courses of the University were 18386 and 5895, respectively. Out of 18386 SC students, 905 in Engineering & Technology, 508 in Medicine, 31 in Ayurvedic & Unani, 82 in Homeopathic, 75 in Nursing, 23 in Pharmacy, 602 in Law, 106 in Management, 22 in Computer Science, 16 in Library Science, 113 in Fine Arts, 229 in Education, 4304 in Commerce, 8148 in Arts Course, 2396 in Science Course, 89 in M.Phil. Course, 214 in Ph.D. Programme and 425 in various Certificate and Diploma Programme were enrolled in the various Colleges and Department of the University Similarly, out of 5895 ST Students, 386 in Engineering & Technology, 166 in Medicine, 18 in Homeopathic, 37 in Nursing, 3 in Pharmacy, 308 in Law, 45 in Management, 7 in Computer Science, 3 in Library Science, 45 in Fine Arts, 86 in Education, 835 in Commerce, 3132 in Arts Course, 682 in Science Course, 32 in M.Phil. Course, 45 in Ph.D. Programme, 65 in various Certificate and Diploma Programme were enrolled. A table showing the number of SC/ST students in each year has been enclosed at the end of the Report.



**UNIVERSITY FINANCE**  
**Annual Accounts for the year 2009-10.**

**A. University of Delhi**

Balance Sheet

Income and Expenditure Account

Receipt and Payment Account

Schedule forming Part of Balance Sheet: Schedules 1,2,3,4,5,6.

Schedule forming Part of Balance Sheet: Schedules 7,8,9,10,11,12,13,14.

Significant Accounting Policies

Contingent Liabilities and Notes on Accounts

**B. Provident Fund Account**

Consolidated Balance Sheet

Consolidated Income and Expenditure Account

Consolidated Receipt and Payment Account

**C. University Press**

Balance Sheet

Profit and Loss Account

Receipt and Payment Account

**D. Halls and Hostels**

Consolidated Balance Sheet

Consolidated Income and Expenditure Account

Consolidated Receipt and Payment Account

## BALANCE SHEET AS AT 31 MARCH 2010.

### CAPITAL FUND AND LIABILITIES

	Schedule No.	Current Year	Amount in ₹ Previous Year
Capital Fund	1	1706100323	1352806812
Reserves and Surplus	-		
Earmarked/Endowment Fund	2	8974710995	7746156797
Secured Loans and borrowings	-		
Unsecured Loan and borrowings	-		
Deferred Credit Liabilities	-		
Current Liabilities and Provisions	3	256361535	82205770
<b>Total :</b>		<b>10937172853</b>	<b>9181169379</b>

### ASSETS

Fixed Assets	4	1445238733	1084762313
Investment - From Earmarked/ Endowment Funds	5	343252500	282407500
Investment - Others	-		
Current Assets, Loan, Advances etc. Miscellaneous Expenditure (to the extent not written off or adjusted)	6	9148681620	7813999566
<b>Total :</b>		<b>10937172853</b>	<b>9181169379</b>

Significant Accounting Policies	15
Contingent Liabilities and Notes on Accounts	16

### (INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31 MARCH 2010)

Particulars	Schedule No.	Current Year	Amount in ₹ Previous Year
<b>(A) INCOME</b>			
Grants/Subsidies	7	2773101342	2165142000
Fees/Subscriptions	8	378935780	297637849

Income from Royalty, Publication etc.	9	6870161	4120488
Interest Earned	10	2024233	4279497
Other Income	11	26244934	42576173
<b>Total (A):</b>		<b>3187176450</b>	<b>2513756007</b>

**(B) EXPENDITURE**

Establishment Expenses	12	2331713117	1492586833
Other Administrative Expenses	13	691617252	736015046
Expenditure on Grants, Subsidies etc.	14	69842988	59151328
Depreciation		346164340	284236647

<b>Total (B):</b>		<b>3439337697</b>	<b>2571989854</b>
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Excess of Income over Expenditure/ (Expenditure over Income)		(252161247)	(58233847)
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<b>Balance being Deficit carried to Capital Fund</b>		<b>(252161247)</b>	<b>(58233847)</b>
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Significant Accounting Policies	15
Contingent Liabilities and Notes on Accounts	16

**(RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31 MARCH 2010)**

<b>Receipts</b>	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>I. Opening Balances</b>		
Bank Balance		
(i) Current Account	68132409	101089883
(ii) Savings Accounts	2187034355	1113301631
(iii) Deposit accounts	3086825765	1153568869
<b>II. Grants Received</b>		
Form UGC	2773101342	2165142000
Advance from UGC	178022000	
<b>III. Interest Received from Investment</b>	2024233	4279497

**IV Other Income**

Fees and Subscriptions	378935780	297637850
Sale of Publications	6870161	4120488
Income from Building, lands, etc.	3724505	3800374
Miscellaneous	17413471	28556481
Sale of Fixed Assets	5106958	8999022

**VI. Any other receipts**

Advances	—————	64425106
Other Receipt from Earmarked funds	6083702751	7039243552
Other receipts	1871592	518416
Deductions	344417424	251526496
Other body transaction	34139561	18725655
LTC advance	6407169	4928341
Medical Advance	2937000	378820
Festival Advance	657750	663370

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<b>Total :</b>	<b>15181324226</b>	<b>12260905851</b>
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**(RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31 MARCH 2010)**

<b>Payments</b>	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>I . EXPENSES</b>		
<b>(a) Establishment Expenses</b>		
Salary and allowances	2331713117	1492586833
<b>(b) Administrative Expenses</b>		
Administrative expenses	677165704	744818666
Grants & subsidies	69842988	59151328
<b>II. Payments against earmarked funds</b>	<b>4825668078</b>	<b>2396474148</b>
<b>III Investments and deposits made</b>	<b>60845000</b>	<b>20031000</b>
<b>IV. Expenditure on Fixed Assets</b>		
Purchase of Fixed Assets	98655596	200818781
<b>V. Finance Charges</b>	<b>300286</b>	<b>343256</b>

## VI. Other Payments

Advances out of earmarked fund	1844971995	1744048781
Other body transaction	66896764	—
Festival Advance	1106400	498650
Advances	22371717	—
Permanent Advance	—	72850
Medical Advance	2518600	769420
LTC Advance	7209254	5145341
Remittances	322777213	254154268

## VII Closing Balances

### (ii) Bank Balance

(a) Current Accounts	289738466	68132409
(b) Savings Accounts	2886072171	2187034355
(c) Deposit Accounts	1673470877	3086825765

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<b>Total :</b>	<b>15181324226</b>	<b>12260905851</b>
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## (SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31 MARCH 2010)

Schedule 1: Capital Fund		Current Year	Amount in ₹ Previous Year	
<b>Balance at the beginning of the year</b>	1352806812		1084502030	
<i>Add : Fixed Assets purchased out of Earmarked Funds</i>				
(a) Plan Account	410958997		180363627	
(b) Miscellaneous Account	3213766		7236026	
(c) Other Earmarked Fund	161675445		116725919	
(d) Admission Processing charges	1809515		3835605	
(e) Assets not capitalised in previous year	954662		19230590	
(f) Project Account	8739949		2668766	
(g) Adjustment relating to previous year	19500000		—	
(g) Gifted Assets	<u>596</u>	1959659742	<u>2173</u>	1414564736

Less : (a) WDV of assets disposed off during the year	(1260234)		(1411432)	
(b) WDV of vehicals disposed off	(137938)		(1301184)	
(c) Deficit for the year as per Income & Expenditure Account	(252161247)	(253559419)	(58233847)	(61757924)
			( 811461)	
<b>Balance as at the year end</b>		<b>1706100323</b>		<b>1352806812</b>

**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-3-2009**  
**Schedule 2 : Earmarked/Endowment Fund**

Amount in ₹

	Plan Account	Misc Account	Publication	Endowment Fund	Fellowship/Scholarship	Research Project	Admission Processing	Other Earmarked	Total for 2009-10
(a) Opening Balance of the funds	4307778599	185268830	3036840	271048856	97516922	565941900	135819504	2179745346	7746156797
(b) Additions to the Fund : Income from investment made of the funds	19712691	5662447	274465	21400514	2450035	12358996	84222932	92995866	163277946
Accrued interest on investment	5213735	3439114	69714	1671152	1791044	4715284	3894586	42321553	63116182
Other additions	2143860884	167145263	26952	46792330	16474735	511282651	112877195	2681095438	5827828148
<b>Total (a+b)</b>	<b>6476565909</b>	<b>361515654</b>	<b>3407971</b>	<b>340912852</b>	<b>266505436</b>	<b>1094298831</b>	<b>261014217</b>	<b>4996158203</b>	<b>13800379073</b>
(c) Utilisation/Expenditure towards objective of funds									
(i) Capital Expenditure (Fixed Assets)	410958997	3213766	-	-	155414368	1809515	161675445	733072091	
(ii) Revenue Expenditure	3173129093	111115349	9780756	9780756	139276942	278481803	150016792	230795252	4092595987
<b>Total (c)</b>	<b>3584088090</b>	<b>114329115</b>	<b>0</b>	<b>9780756</b>	<b>139276942</b>	<b>433896171</b>	<b>151826307</b>	<b>392470697</b>	<b>4825668078</b>
<b>Closing balance at the year end (a+b-c)</b>	<b>289477819</b>	<b>247186539</b>	<b>3407971</b>	<b>331132096</b>	<b>127228494</b>	<b>660402660</b>	<b>109187910</b>	<b>4602687506</b>	<b>8974710995</b>
<b>Closing balance represented by</b>									
Loan and Advances	1635665881	5517569	-	-	-	-	-	2458811060	4099994510
LCMargin	86361909							86361909	
<b>Balance in Bank</b>									
Saving account	1018439693	81069263	544062	65265658	83929344	491033701	80297650	845904093	2666483464
Current account	70846596	67933905						138780501	
Fixed Deposit	91715782	70856537	2240000	35220000	41596908	160993911	25521730	1155819842	1583964710
Govt. Securities	18000000		551000	227715000				96826000	343092000
Shares				160500					160500
Interest accrued but not due	5217600	3809265	72909	2770938	1702242	8375048	3368530	46326511	71643043
<b>Total</b>	<b>2908247460</b>	<b>247186539</b>	<b>3407971</b>	<b>331132096</b>	<b>127228494</b>	<b>660402660</b>	<b>109187910</b>	<b>4603687506</b>	<b>8990480636</b>
<b>Due to MG</b>	<b>(15769641)</b>							<b>(15769641)</b>	
<b>Net closing Balance</b>	<b>2892477819</b>	<b>247186539</b>	<b>3407971</b>	<b>331132096</b>	<b>127228494</b>	<b>660402660</b>	<b>109187910</b>	<b>4603687506</b>	<b>8974710995</b>
<b>Previous years (2008-09)</b>	<b>4307778599</b>	<b>185268830</b>	<b>3036840</b>	<b>271048856</b>	<b>97516922</b>	<b>565941900</b>	<b>135819504</b>	<b>2179745346</b>	<b>7746156797</b>

(SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31 MARCH 2010)

<b>Schedule 3 : Current Liabilities and Provisions</b>	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>A. Current Liabilities</b>		
1. Sundry Creditors	19651315	16342991
2. Statutory Liabilities : TDS payable	24943638	3722211
3. Other current Liabilities (Sundries)		
Security (Receipt)	256530	174530
Amount Refundable to UGC	10251481	8461889
Expense payable	7734577	5663735
Other bodies Deposits	1714309	1295526
Other funds	13787685	46544888
Grants received in Advance from UGC	178022000	—
<b>Total (A)</b>	<b>256361535</b>	<b>82205770</b>
<b>B. Provisions</b>		
<b>Total (B)</b>	—	—
<b>Total (A+B)</b>	<b>256361535</b>	<b>82205770</b>



**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-3-2010**

**Schedule 4 - Fixed Assets**

Sr. No.	Description	Amount in ₹							
		W.D.V. at the beginning of the year	Addition during the year	Deduction/Sale during the year	Cost/value at the year end	Rate of Depreciation	Depreciation for the year	W.D.V. as at 31-3-2010	W.D.V. as at 31-3-2009
1.	Land	19716892	0		19716892			19716892	19716892
2.	Building	433858606	146650492		630509098	5	31525455	598983643	483858606
3.	Furniture & Fixtures	98592782	30976177	275059	129293900	25	32323475	96970425	98592782
4.	Scientific Equipments	107392844	106789665	111796	304070713	40	121628285	182442428	197392840
5.	Computer	106762223	49473563	168598	156007188	40	62402875	92604313	106702223
6.	Library Books	48262898	59108634	8826	1073622706	50	53681353	53681353	48262898
7.	Car, Scooters, etc.	5026714	2289987	1043	6315658	25	1578915	4736743	5026714
8.	Plant and Machinery	130115081	83634330	832850	212916761	20	42583352	170333410	130115081
9.	Musical Instruments	484769	172398	0	657167	50	328584	328583	484769
10.	Sports Equipments	224091	0	0	224091	50	112046	112045	224091
11.	Capital Work in Progress	84385413	139943485	0	224328898	0	0	224328898	84385413
<b>Total of Current year</b>		<b>1084762313</b>	<b>708038931</b>	<b>1398172</b>	<b>1791403072</b>			<b>1445238733</b>	<b>84385413</b>
<b>Previous year</b>		<b>843366577</b>	<b>528345001</b>	<b>2712616</b>	<b>1368998962</b>			<b>284236647</b>	<b>1084762313</b>

**(SCHEDULES FORMING PART OF BALANCE SHEET AS  
AT 31 MARCH 2010)**

**Schedule 5 : Investments from Earmarked/Endowment Funds**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
1. In Government Securities	343092000	282242000
2. Shares	160500	165500
<b>Total :</b>	<b>343252500</b>	<b>282407500</b>

**(SCHEDULES FORMING PART OF BALANCE SHEET AS  
AT 31 MARCH 2010)**

**Schedule 6 : Current Assets, Loans, Advances etc.**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>A. Current Assets</b>		
1. <b>Cash Balance in hand</b> (including cheques/ drafts and imprest) Permanent imprest	425725	425725
2. <b>Bank Balances</b> – with Scheduled Banks :		
<b>(a) Current Account</b>		
Maintenance Grant Accounts	150957965	37991765
Ear marked Fund Accounts	<u>138780501</u>	289738466
		<u>30140644</u>
		68132409
<b>(b) Saving Accounts</b>		
Maintenance Grant Accounts	209337226	169064817
Ear marked Fund Accounts	2666483464	2009507649
CPF Account refundable to UGC	<u>10251481</u>	2886072171
		<u>8461889</u>
		2187034355

**(c) Deposit Account**

Maintenance Grant Accounts	3144258		3101152	
Ear marked Fund Accounts (including margin money)	<u>1670326619</u>	1673470877	<u>3083724613</u>	3086825765
<b>Total (A) :</b>		<b>4849707239</b>		<b>5342418254</b>

**(SCHEDULES FORMING PART OF BALANCE SHEET AS  
AT 31 MARCH 2010)**

**Schedule 6 : Current Assets, Loans, Advances etc.**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>B. Loan, Advances and others Assets</b>		
<b>1. Loans : (i) Staff</b>		
(a) Festival Advance	500982	52332
(b) Leave Travel Concession	1453920	651835
(c) Medical Reimbursement	519600	938000
(d) House Building Advance	30464010	44703137
(e) Conveyance/Computer Advance	3527569	3155610
<b>2 . Advance and other amounts recoverable in cash or in kind or for value to received</b>		
(i) Pre-paid Expenses	26832001	38134504
(ii) Delhi University Pension Account	2980000	2980000
(iii) DESU (Security)	4795	4795
(iv) Delhi University Press	17395000	17395000
(v) Sir Shankar Lal Chair in Chemistry	1100000	1100000
(vi) Other advances out of Earmarked funds.	4050233289	2191394126
(vii) Other advances out of Maintenance Grant Accounts	76550531	69948455
(ix) Recoverable Amount	15769641	

### 3 . Income accrued

(a) On Investments from Earmarked/Endowment Fund	71643043	101123518
<b>Total (B) :</b>	<b>4298974381</b>	<b>2471581312</b>
<b>Total (A+B) :</b>	<b>9148681620</b>	<b>7813999566</b>

#### (SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2010)

##### Schedule 7 : Grants/Subsidies

	Current Year	Amount in ₹ Previous Year
Grant received from University Commission	2773101342	2165142000
<b>Total :</b>	<b>2773101342</b>	<b>2165142000</b>

#### (SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2010)

##### Schedule 8 : Fees/Subscriptions

	Current Year	Amount in ₹ Previous Year
Admission fee	10807762	11200248
Annual Fees	5131809	3972651
University Enrolment fee	38065997	35039773
Tuition fee	10277971	7138627
Examination	284424040	214331101
Sports and Athletic Association fee	5706499	5310558
Migration fee	8475900	7418950
Special Enrolment/Annual fee	4749690	6466930
Laboratory fee	96136	153318
Library fee	857419	794773
Computer fee	71338	119000
Provisional & Misc. certificate	570710	536125
Others	9700509	5155795
<b>Total :</b>	<b>378935780</b>	<b>297637849</b>

**(SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR  
THE YEAR ENDED 31 MARCH 2010)**

**Schedule 9 : Income from Royalty, Publication etc.**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
1. Income from Publications	6870161	4120488
<b>Total :</b>	<b>6870161</b>	<b>4120488</b>

**(SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR  
THE YEAR ENDED 31 MARCH 2010)**

**Schedule 10 : Interest Earned**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>1 . On Term Deposit</b>		
(a) With Scheduled Banks	121338	1934033
<b>2 . On Saving Accounts</b>		
(a) With Scheduled Banks	1902895	2345464
<b>Total :</b>	<b>2024233</b>	<b>4279497</b>

**(SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR  
THE YEAR ENDED 31 MARCH 2010)**

**Schedule 11 : Other Income**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
Health Centre contribution	6088596	6515053
Leave salary & Pension Contribution	3867430	10848848
Sale Raddi/Auction of Obsolete	5106958	8999022
License fee, Rent of Building etc.	3724505	3800374
Sale of Tender form	328300	460300
Others	7129145	11952576
<b>Total :</b>	<b>26244934</b>	<b>42576173</b>

**(SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR  
THE YEAR ENDED 31 MARCH 2010)**

**Schedule 12 : Establishment Expenses**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Salary and Allowances</b>		
Teaching staff	913437497	412120413
Non-Teaching staff	676149128	519188081
Lower Subordinate staff	209151765	170274503
Bonus	5484327	8743180
Deposit Link Insurance	626752	443169
Gratuity	96125113	26890046
Leave encashment	35531452	11851624
Pension	359940600	324071595
CPF Contribution	10242053	4367868
NPS Contribution	9159340	3844458
Leave Travel Concession	9816559	7514176
Honorarium	1675337	2303631
Reimbursement of Tuition fee	4373194	449089
Staff Benefit/Workmen compensation	—	525000
<b>Total :</b>	<b>2331713117</b>	<b>1492586833</b>

**(SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR  
THE YEAR ENDED 31 MARCH 2010)**

**Schedule 13 : Other Administrative Expenses**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
Academic Expenses	12811915	45769413
Award and Scholarship	564798	943194
Advertisement Expenses	11901910	17473494
Chemical & Glassware	26457466	16771827
Contingency	26521487	29285341
Net working expenses	22196799	14995787
Conveyance Expenses	1893212	3106830
Electricity & Water Expenses	143089907	124109592
Examination Expenses	155538452	113614547
Games & Sports	6193265	4820680

Legal & Professional	8443992	6470168
Medical Expenses	98636384	78079407
Other Expenses	6515958	10150088
Periodical & Journals	48504280	71426418
Postage & Telephone	11785275	12213466
Printing and Stationery	26611834	30614230
Rent Rate & Taxes	1169308	1296042
Repair and Maintenance of Building	59258566	88999014
Repair and Maintenance of Machinery	8399088	9755127
Repair and Maintenance of Furniture	695632	1316955
Repair and Maintenance of Vehicle	2550099	2475666
Repair and Maintenance of Laboratory	907572	1478041
Travelling Expenses	10640601	4165152
Bank Charges	300286	343256
House Keeping Expenses	10142133	8532790
M/o Lawns	2690466	2943962
Refund of fee	558419	441206
Property Tax	5788841	5657244
Seminar/Symposia/Workshop	2238371	5364467
Audit Charges	216660	10000
Watch and Ward Services	22445131	23391642
Expenditure relating to Plan Grant	(44050855)	
<b>Total :</b>	<b>691617252</b>	<b>736015046</b>

**(SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR  
THE YEAR ENDED 31 MARCH 2010)**

**Schedule 14 : Expenditure on Grants, Subsidies etc.**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
(a) Grants given to Institutions/Organizations		
(i) Grants to Halls & Hostels	68542988	59032132
(ii) Miscellaneous Grant	1300000	119196
<b>Total :</b>	<b>69842988</b>	<b>59151328</b>

**(SCHEDULES FORMING PART OF ACCOUNT FOR THE  
YEAR ENDED 31 MARCH 2010)**

**Schedule 15: Significant Accounting Policies**

**1 . Accounting Convention**

The financial statements are prepared on the basis of historical cost convention and generally on the accrual method of accounting unless otherwise stated.

**2. Revenue Recognition**

- 2.1 Fee from students/colleges, interest on saving bank accounts are accounted for on cash basis.
- 2.2 Interest on investments (other than earmarked/endowment funds) is accounted for on accrual basis.

**3. Government Grants**

- 3.1 Government/UGC grants are accounted for on realization basis.
- 3.2 To the extent utilized towards capital expenditure, Plan Development Grant received from the University Grants Commission is transferred to the Capital Fund.

**4. Inventory**

Expenditure on purchase of chemicals, glassware, publications, stationery and other stores is accounted for as revenue expenditure in the year of purchase.

**5. Fixed Assets**

- (a) Fixed assets are stated at cost of acquisition less depreciation. Fixed assets received by the University without any consideration has been capitalized in the financial statement at a nominal value i.e. ₹ One per asset.
- (b) Amount received on disposal of fixed assets has been accounted for as income in the Income & Expenditure Account and written down value of these fixed assets has been written off from Fixed Assets as well as Capital Fund Account.

**6. Depreciation**

- 6.1 Depreciation is provided on Written Down Value method as specified in the Guidance Note issued by the Institute of Chartered Accountants of India, at the following rates:

<b>Type of Asset</b>	<b>Rate</b>
Building	5%
Furniture & Fixture	25%
Scientific Equipment	40%



Computer including Printers, Softwares, UPS, etc.	40%
Library Books	50%
Buses, Vans etc.	30%
Cars, Scooters	25%
Plant & Machinery including Air-conditioners, Generators, Fire Extinguishers, Telephone, Television sets, Photocopiers, Fax Machines, Water Coolers, Projectors etc.	20%
Musical Instruments	50%
Sports Equipments	50%

6.2 In respect of addition to fixed assets during the year, depreciation is provided for the full year. In respect of deductions from the fixed assets, no depreciation is charged.

## **7. Retirement Benefits**

Retirements benefits, i.e., pension, gratuity and leave encashment are accounted for on cash basis as University's pension liability like that of the Government is not funded but follows the "Pay as you go" system of meeting the annual expenditure out of the annual revenue budget. Capitalized value of pension and gratuity received from previous employers of those University employees who have been absorbed in the University, is credited to the other income of the University.

## **8. Foreign Currency Transactions**

Transactions denominated in foreign currency are accounted for at the exchange rate prevailing on the date of payment/realization.

## **9. Investment**

All investments are valued at cost.

## **10. Earmarked/Endowment Funds**

10.1 The income and expenditure of Earmarked/Endowment funds are accounted for on cash basis. The balance of respective funds is carried forward on the liability side of the Balance Sheet and is represented by bank balance and investment on the asset side of the Balance Sheet.

10.2 Assets purchased/created out of Earmarked Funds (including Plan funds released by the UGC), where the ownership of the assets vests in the University, are merged with the fixed assets of the University by debiting the respective fixed asset account and crediting Capital Fund account. Depreciation is charged at the rates applicable on the respective assets.

10.3 Assets purchased out of Project funded by outside agencies remain the property of the concerned funding agency till the project is closed. After closure of the project, the project assets are merged with the Fixed Assets of the University at written down value by debiting respective Fixed Assets account and crediting Capital Fund Account.

**(Schedules Forming Part of the Account for the year ended 31 March 2010)**

**Schedule 16: Contingent Liabilities and Notes on Accounts**

**1. Contingent Liabilities**

Various claims filed by present/former employees of the University are pending before Industrial Tribunals and the High Court of Delhi. The quantum of claim is not ascertainable.

**2. Taxation**

The income of the University is exempt from Income Tax under section 10(23C) (iiiab) of the Income Tax Act 1961. No provision for Income Tax is therefore made in the accounts.

**3. Salaries**

The expenditure on salary is for the period from March 2009 to February 2010. No provision is made towards salary for the month of March 2010.

**4. (a) Current Assets, Loans and Advances**

In the opinion of the management, the Current Assets, Loans and Advances have a value on realization in the ordinary course, equal at least to the aggregate amounts shown in the Balance Sheet.

**(b) Loans & Advances**

The Loans & Advances shown in the asset side of the Balance Sheet does not include advances pertaining to period upto 31 March 2006, which are still outstanding for final settlement. These Advances were charged to the respective head of account at the time of release of advance.

**5. Admission Processing Charges Fund**

Savings of Entrance Fee after meeting expenditure on entrance examinations are treated as earmarked fund and credited to the respective account. This accounting treatment is in accordance with the guidelines of the APC Fund, approved by the Executive Council vide Resolution No. 15 dated 01.04.2005.

**6. Provident Fund Accounts**

As the Provident Fund Accounts including New Pension Scheme Fund are owned by the members of those funds and not by the University, these accounts were separated from the University Accounts. However, a consolidated Receipts & Payments Account, consolidated Income & Expenditure Account and a consolidated Balance Sheet of the Provident Fund Accounts have been attached to the University's Account.

## 7. Halls & Hostels/Guest House

As Halls and Hostels are separate reporting entities, their accounts are prepared separately from the University Accounts. However, a consolidated Receipts and Payment Account, consolidated Income & Expenditure Account and a consolidated Balance Sheet of all the Halls and Hostels and Guest Houses have been attached to the University's Account.

## 8. Delhi University Press

As the University Press is a separate reporting entity, its accounts are prepared separately and attached to the University's Account.

9. During the financial year, the University has received the following assets as gift (without consideration) which is capitalized in the accounts at nominal value i.e. Re. One per asset

Particular	Qty.	Amount Capitalized (in ₹)
Books & Journal	575 Nos.	575
Computer /Laptop/Monitor	21 Nos.	21

10. Schedules 1 to 16 are annexed to and form an integral part of the Balance Sheet as at 31 March 2010 and the Income and Expenditure Account for the year ended on that date.

11. Previous year figures have been regrouped wherever necessary.

## PROVIDENT FUND ACCOUNT CONSOLIDATED BALANCE SHEET AS AT 31 MARCH 2010

### LIABILITIES

	Current Year	Amount in ₹ Previous Year
<b>Subscribers Account</b>		
General Provident Fund	2033015966	1767746545
Contributory Provident Fund	548962589	491296032
New Pension Scheme	37871615	28143065
<b>Interest Reserve Account</b>	124089027	97270675
Other Liabilities	340518	—
<b>Total :</b>	<b>2744279715</b>	<b>2384456317</b>

<b>Assets</b>		
<b>Investments</b>	2160345000	1280000000
<b>Interest Accrued but not due</b>	94895545	164081263
<b>Bank Balances with Scheduled banks in :</b>		
Savings Accounts	81974170	12630054
Deposit Accounts	407065000	927745000
<b>Total :</b>	<b>2744279715</b>	<b>2384456317</b>

**PROVIDENT FUND ACCOUNT**  
**CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE**  
**YEAR ENDED 31 MARCH 2010**

	<b>Current Year 2009-2010</b>	<b>Amount in ₹ Previous Year 2008-2009</b>
<b>(A) Income</b>		
Interest realized during the year	283098347	
Add: Interest Accrued	<u>43463027</u>	
	326561374	
Less: Interest Accrued for the year 2007-08, 2008-09 but realised during the year 2009-10	<u>-1126487745</u>	213912629
Adjustment relating to previous years	234388	191777397
		355785
<b>Total (A):</b>	<b>214147017</b>	<b>192133182</b>
<b>(B) Expenditure</b>		
Interest allowed to Subscribers	187322760	163357576
Bank Charges	5905	7909
<b>Total (B):</b>	<b>187328665</b>	<b>163365485</b>
Balance being excess of Income over expenditure, transferred to Interest Reserve Account (A-B)	26818352	28767697

**(CONSOLIDATED RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR  
ENDED 31 MARCH 2010)**

	<b>Current Year 2009-2010</b>	<b>Amount in ₹ Previous Year 2008-2009</b>
<b>Receipts</b>		
To Opening Balance in:		
— Saving Accounts	12630054	14580044
To Fixed Deposit encashed	814145000	308379300
To Interest Received	283098347	119106574
To GPF Subscription	375627463	250686393
To CPF Subscription & Contribution	74088403	47510244
To NPS Subscription & Contribution	22597554	12761446
To Other Receipts	340518	—
<b>Total :</b>	<b>1582527339</b>	<b>753024001</b>

	<b>Current Year 2009-2010</b>	<b>Amount in ₹ Previous Year 2008-2009</b>
<b>Payments</b>		
By Loan/Withdrawal/Final Payments to		
GPF Subscribers	255446232	199882025
CPF Subscribers	55758020	49286191
NPS Subscribers	15533012	22582
By investment in Fixed Deposit /Bonds	1173810000	491195000
By Bank Charges	5905	7909
By Other Liabilities		240
By Closing Balance in:		
Savings Accounts	81974170	12630054
<b>Total:</b>	<b>1582527339</b>	<b>753024001</b>

**UNIVERISTY PRESS**

**BALANCE SHEET AS AT 31 MARCH 2010**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Assets</b>		
1. Machinery, Furniture & Equipment	996,591.00	2,010,922.00
2. Amount Receivable	9,908,146.00	16,648,991.00

3. Auction Amount	1,852,000.00	1,852,000.00
4. Stock in Hand		
(a) Raw Material	504,713.00	708,258.00
(b) Finished Goods	59,545.00	76,695.00
5. Work in Progress	124,000.00	126000.00
6. Cash in Bank	11,358,748.00	5,772,345.00
7. Festival Advance	16,700.00	11300.00
8. Permanent Advance	1000.00	1000.00
<b>Total :</b>	<b>24,821,443.00</b>	<b>27,207,511.00</b>

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Funds &amp; Liabilities</b>		
<b>1. Sundry Creditors:</b>		
(a) Deduction from Salary Bills	689,288.00	702,288.00
(b) Bills Payable	154,217.00	308,922.00
(c) Others	93,796.00	93,796.00
<b>2. Loan Advances:</b>		
(a) Advance for work to be done	130,000.00	130,000.00
(b) Inter Bank Transfer	17,395,512.00	17,395,492.00
(c) Earnest Money	10,500.00	10,500.00
(d) Amount Payable	Nil	25,169.00
<b>3. Capital</b>	<b>6,348,130.00</b>	<b>8,541,344.00</b>
<b>Total:</b>	<b>24,821,443.00</b>	<b>27,207,511.00</b>

## UNIVERISTY PRESS

### PROFIT AND LOSS ACCOUNT FOR THE YEAR 2009-10.

<b>Particulars</b>	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
1. To Opening Stock:		
(a) Raw Materials	708,258.00	873,588.00
(b) Finished Goods	76,695.00	69,225.00

2. To Work in Progress	126,000.00	132,000.00
3. To Pay and Allowances:	6,197,068.00	4,530,649.00
(a) L.T.C.	3,204.00	20,826.00
(b) Tuition Fees	42,480.00	3,720.00
(c) Bonus	65,626.00	92,726.00
(d) Medical Reimbursement	465,966.00	152,277.00
4. To Purchase of Raw Materials	1,741,557.00	2,331,617.00
5. To Misc. Contingent Exp.	80,280.00	104,871.00
6. To Rate, Rent and Taxes	4,550.00	3,808.00
7. To Work Done Through Outside Agency	4,775,888.00	4,346,666.00
8. <u>Depreciation:</u>		
(a) Machinery, Furniture & Equipment	1,014,331.00	174,862.00
9. Profit:	—	1,414,623.00
<b>Total:</b>	<b>15, 301,903.00</b>	<b>14,251,458.00</b>

<b>1. Receipts:</b>		
(a) By Printing and Binding Bills	12,420,431.00	13,340,505.00
<b>2. By Closing Stock:</b>		
(a) Raw Materials	504,713.00	708,258.00
(b) Finished Goods	59,545.00	76,695.00
3. By work in progress	124,000.00	126,000.00
4. Loss	2,193,214.00	
<b>Total:</b>	<b>15,301,903.00</b>	<b>14,251,458.00</b>

**UNIVERSITY PRESS A/C NO. 10851295354**  
**(RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31 MARCH 2010)**

	Current Year	Amount in ₹ Previous Year
<b>Receipts</b>		
<b>I. <u>Opening Balance</u></b>		
Bank Balance	5772345	8848373

<b>II. Income</b>	19161276	9093946
<b>III. Deductions/Recoveries</b>	2648145	1916871
Festival Advance	12600	10650
Other receipts	20000	45169
<b>Total:</b>	<b>27614366</b>	<b>19915009</b>

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Payments</b>		
<b>I. Expenses</b>		
Establishment Expenses	6197068	4530649
<b>II. Other Administrative expenses</b>		
Expenditure	7334256	7681722
Festival Advance	18000	9000
Remittance	2661145	1901293
Other Payments	45149	20000
<b>III. Closing Balance</b>		
Bank Balance	11358748	5772345
<b>Total:</b>	<b>27614366</b>	<b>19915009</b>

**HALLS AND HOSTELS  
BALANCE SHEET AS AT 31 MARCH 2010**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Capital Fund and Liabilities</b>		
Capital Fund and Liabilities	80552985	81518205
Earmarked/Endowment Funds	12281155	10732911
Current Liabilities and Provisions	8744401	8865878
<b>Total:</b>	<b>101578541</b>	<b>101116994</b>



**Assets**

Fixed Assets	42193077	49504742
Investments from earmarked/ endowment funds	30140	478500
Investments others	15519493	13367465
Current Assets, Loans, Advances etc.	43890056	37820512
Miscellaneous Expenditure	(54224)	(54224)
<b>Total :</b>	<b>101578541</b>	<b>101116994</b>

**HALLS AND HOSTELS****(INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR  
ENDED 31 MARCH 2010)**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>(A) Income</b>		
Grants/Subsidies	68822919	59271388
Fees/Subscriptions	20784923	17934765
Income from Sales/Services	12656836	12202819
Interest earned	2147467	1832842
Other Income	6449426	5660382
<b>Total (A):</b>	<b>110861571</b>	<b>96902196</b>
<b>(B) Expenditure</b>		
Establishment Expenses	70893030	54134336
Other Administrative Expenses	31042350	29684591
Expenditure on Grants, Subsidies etc.	—	1635726
Interest	3945	4727
Depreciation	12918700	14210405
<b>Total (B) :</b>	<b>114858025</b>	<b>99669785</b>
<b>Excess of Expenditure over income (A-B)</b>	<b>(3996454)</b>	<b>(2767589)</b>
<b>Balance Being (Deficit) carried to Capital Fund</b>	<b>(3996454)</b>	<b>(2767589)</b>

**HALLS AND HOSTELS**  
(RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31 MARCH 2010)

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Receipts</b>		
I. Opening Balance		
Bank Balance	34448719	27245633
II. Grants received	68229990	59032132
III. Income on investments	10690335	10982183
IV. Interest Received	1246981	1030363
V. Other Income	34971333	33792339
VI. Any other receipts	17637255	12967246
<b>Total :</b>	<b>167224613</b>	<b>145049896</b>

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Payments</b>		
I. Expenses		
(a) Establishment Expenses	66361371	53067963
(b) Administrative Expenses	33346767	29499696
II. (a) Payments against earmarked fund	4397168	4129382
(b) Payment against projects	324146	608507
III. Investments and deposits made	12791583	5967254
IV. Expenditure on fixed assets & Capital work-in-progress	2202451	10300710
V. Finance Charges	3370	21228
VI. Other Payments	8544342	7006437
VII. Closing Balances		
Bank Balance	39253415	34448719
<b>Total :</b>	<b>167224613</b>	<b>145049896</b>

## PLAN DEVELOPMENT FUND

The UGC released the following on account grant to Delhi University:

₹ 50 crore to the Delhi University for implementation of OBC reservation as per the Central Educational Institution (Reservation in Admission) Act, 2006 for the Departments of Delhi University.

₹ 50 crore for implementation of OBC reservation as per the Central Educational Institution (Reservation in Admission) Act, 2006 to Delhi University. ₹ 25 crore for the Departments of Delhi University and ₹ 25 crore for the colleges affiliated to Delhi University.

₹ 150 crore to the University for the colleges affiliated to Delhi University for implementation of OBC reservation as per the Central Educational Institution (Reservation in Admission) Act, 2006.

### **The University Grants Commission approved allocation of funds to the following Centres/Departments under its Special Assistance Programme:**

**Centre for African Studies:** UGC, based on the progress made and goals achieved by the Centre for African Studies, sanctioned ₹ 15 lakh as Non-recurring grant under its Area Studies Programme. The UGC Expert Committee has extended the term of the Centre from 01.04.2009 to 31.03.2012.

**East Asian Studies:** UGC, based on the progress made and goals achieved by the Department of East Asian Studies, sanctioned ₹ 60 lakh as Non-recurring grant under its Area Studies Programme. The UGC Expert Committee has extended the term of the Department from 01. 04.2009 to 31.03.2012.

**Department of Buddhist Studies:** UGC conveyed its approval for continuation of the Special Assistance Programme at the level of DSA III from DSA II for a period of five years. The following financial assistance has been approved:

Non-Recurring	:	₹ 9.00 lakh
Recurring	:	₹ 39.00 lakh
Total (Non-Recurring + Recurring)	:	₹ 48.00 lakh + Two P.F

**Department of Modern Indian Languages & Literary Studies:** UGC conveyed its approval for continuation of the Special Assistance Programme at the level of DRS II from DRS I for a period of five years. The following financial assistance has been approved:

Non-Recurring	:	₹ 5,00,000
Recurring	:	₹ 31,50,000
Total (Non-Recurring + Recurring)	:	₹ 36,50,000 +Two P.F

**Department of English:** UGC conveyed its approval for continuation of the Special Assistance Programme from DSA I to DSA II for a period of five years. The following financial assistance has been approved:

Non-Recurring	:	₹ 15,00,000
Recurring	:	₹ 42,00,000
Total (Non-Recurring + Recurring)	:	₹ 57,00,000

## AGRICULTURAL ECONOMICS RESEARCH CENTRE

### Major Activities

#### The following are the current major areas of research

Possibilities and constraints for increasing the production of pulses and impact of National Food Security.

Impact of the National Horticulture Mission.

Impact of NREGA on wage rates, cost of production, food security and rural urban migration in Haryana.

Impact of emerging marketing channels in agricultural marketing–Benefit to producer – seller and marketing costs and margins of agricultural commodities in Haryana.

Review of the Comprehensive District Agricultural Plan of Kaithal District, Haryana.

Review of the Comprehensive District Agricultural Plan of Dehradun District, Uttarakhand.

Review of the Comprehensive District Agricultural Plan of Karnal District, Haryana.

#### Library Development:

Library has utilized ₹0.34 lakh (approximately) for the purchase of books and journals in the field of agricultural economics and on allied subjects such as rural development, environment, trade and WTO.

In accordance with advancement of technology and information system, the library is equipped with DELNET and Internet facilities.

#### Seminars/Conferences attended

**Dr. Usha Tuteja:** ‘Some issues in Land Use Planning of UP’, In National Seminar organized by the Centre for Food & Agribusiness Management, IIM Lucknow, and Land Use Board, UP, 11-12 December 2009.

‘Important Issues in Supply Management of Pulses’, in National Seminar organized by the Centre for Food & Agribusiness Management, IIM Lucknow, 9-11 April 2010.

Presentation on ‘Review of Comprehensive District Agriculture Plans’ in workshop organized by IEG, Delhi, 22 December 2009.

Panel discussion on ‘The Challenge of Employment in India: An Informal Economy Perspective’, Institute for Human Development, 8 May 2009.

Regional workshop on ‘ICT in Agriculture’, NIRD, Hyderabad, 25 August 2009.

International workshop on ‘Achieving Food Security in India, Improving Competition, Markets and Efficiency of Supply Chain’, organized by NCAER, Delhi, 24 November 2009.

Seminar on 'A Comparative Perspective on Poverty Reduction in Brazil, China and India', organized by NCAER, Delhi, 26 November 2009.

Conference on 'GM Foods and food Security', organized by IEG, 3 December 2009.

Conference on 'The Challenge of Gendering Economics', organized by IEG, Delhi, 17 December 2009.

Workshop on 'Review of comprehensive District Agricultural Plans', IEG, Delhi, 22 December 2009.

National Seminar on 'Agency, Autonomy and Power: A Dialogue on Women and Body', organized by Women's Studies & Development Centre, Delhi University, 23 February 2010.

Workshop on 'Study Design and Methodology of Coordinated Projects Assigned in 2009', sponsored by the Ministry of Agriculture, IEG, Delhi, 11 February 2010.

Chaired a Technical Session on 'Land Use Classification, Computerization and Mapping for effective Land Management', and panelist in National Seminar organized by Centre for Food & Agribusiness Management, IIM Lucknow, and Land Use Board, UP, 11-12 December 2009.

Chaired a Session on 'Land Acquisition, Compensation and Livelihood Security' in National Seminar on 'Land Reforms, Land Acquisition and their Impact on Livelihood Security of Rural Poor', G.B. Pant Institute, Allahabad, 9-10 March 2010.

**Dr. D.S. Bhupal:** Paper presented on 'Inclusive Growth and Agricultural Development in India', presented in the National Seminar on 'Natural Resources, Inclusive Growth and Development', organized by the Department of Geography, Delhi University, 27-28 March 2009.

'Economic Contributions of Paul Krugman', Paper presented in the Annual Conference of the Rajasthan Economic Association, Kota, Rajasthan, 9-11 January 2010.

'Land Use Pattern and Agricultural Growth: Lessons from Haryana', Paper presented in the National Seminar on 'Land Use Pattern & Agricultural Development with special reference to UP', organized by UP Land Use Board and IIM Lucknow, jointly with Mr. Charanjit Singh, Govt. Women's College, Sirsa, Haryana, 11-12 December 2009.

Paper prepared jointly with Dr. Fiona Marshall and Mr. Charanjit Singh, 'Vegetable Supply Chain Management in Delhi: Developments during last two decades', paper presented at the Annual Conference of the Indian Society of Agribusiness Management, organized jointly with IIM Lucknow, 9-11 April 2010.

Chaired a technical session on 'Rural Development in Rajasthan' in the Annual conference of the REA, at Kota.

Chaired technical sessions of the theme on 'Impact of Global markets on Indian Agro-markets' at the Annual Conference of ISAM at Hyderabad, 12-14 November 2009.

Participated as discussant in the technical session on marketing of high value crops at the annual conference of the Indian Society of Agricultural Marketing at Ludhiana.

Participated in the international workshop on 'Peri-urban futures and sustainability', organized by JNU and the STEPS Centre, Sussex, Newspaper writings, 8 February 2010.

### **Publications**

**Tuteja, U:** Instability in Production and Trade of Pulses: A Global Analysis.

#### ***C-DAP Review***

Review of the Comprehensive District Agricultural Plan of Kaithal District, Haryana.

Review of the Comprehensive District Agricultural Plan of Dehradun District, Uttarakhand.

#### ***Articles***

Tuteja, U: 'Impact of Weak Monsoon on Kharif', edit page, *Economic Times*, 27 July 2009.

'Agriculture Needs Bold Budget without Marginalizing Rural Poor' by invitation, *Financial Express*, 23 February 2010.

#### ***Review of the Reports:***

Two reports for Agricultural Economics Research Centre, Ludhiana, and one report for Agricultural Economics Research Centre, Allahabad.

**Dr. D.S. Bhupal, 2009:** 'India's Development Pattern: A Case for Inclusive Growth Policy', *Rajasthan Economic Journal*, Vol.32(2), A refereed Journal of The Rajasthan Economic Association.

## **CENTRE FOR CANADIAN STUDIES**

### **Major Activities**

The Centre organized an International Workshop for a batch of 20 MBA students from Canada on an International study tour to India. These students are enrolled with the Edwards School of Business, University of Saskatchewan, Canada. Also, the Centre has organized several seminars and other programmes during the year in collaboration with, amongst others, the Department of English and Department of Business Economics of Delhi University.

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring organization</i>
Environment, Technology, Governance and Economic Development.	Director, Centre for Canadian Studies	Government of Canada through Shastri Indo-Canadian Institute

*Programmes taken up involving inter-institutional collaborations:*

15th Lester Pearson lecture on 24 April 2009, delivered by Mr. Pavan K. Varma, Director General, Indian Council for Cultural Relations, on 'Culture, Identity and Globalization'.

Book launch of Alok Mukherjee's *This Gift of English: English Education and the Formation of Alternative Hegemonies in India*, followed by a panel discussion on 14 July 2009 jointly with The English Literary Society of the Department of English at South Campus supported by the Shastri Indo-Canadian Institute, New Delhi.

Short Course on 'Management Control Systems', 14-19 September 2009, by Prof. Suresh Kalagnanam, Edwards School of Business, University of Saskatchewan, Canada.

Seminar on 'Education System in Canada', 27 October 2009, by Prof. Sheila Embleton, President of the Shastri Indo-Canadian Institute and Professor of Linguistics at York University, Canada, supported by the Shastri Indo-Canadian Institute, New Delhi.

Seminar on 'Crisis Society and Sustainable Enterprise', 14 January 2010, by Prof. Paul Shrivastava, Director, David O'Brien Center for Sustainable Enterprise, John Molson School of Business, Concordia University, Montreal, Canada (jointly with the Department of Business Economics, Delhi University, South Campus).

Organized 9th Pierre Trudeau Memorial Debate for undergraduate students of Delhi University on 19 February 2010 on the topic 'In the opinion of the house, the signing of a nuclear co-operation agreement between Canada and India should have a significant impact on the bilateral relationship between the two countries' in close cooperation with the Canadian High Commission.

**Seminars/Conferences held**

International Workshop on 'Focus Canada-India' for MBA students of Edwards School of Business, University of Saskatchewan, Canada, 20 May 2009.

Seminar on 'Global Crisis-Personal Reflections' by Prof. Suresh Kalagnanam, Edwards School of Business, University of Saskatchewan, Canada, 15 September 2009.

Seminar on 'Education System in Canada' by Prof. Sheila Embleton, President of the Shastri Indo-Canadian Institute and Professor of Linguistics at York University, Canada, 27 October 2009.

Seminar on 'Crisis Society and Sustainable Enterprise' by Prof. Paul Shrivastava, Professor and Director, David O'Brien Center for Sustainable Enterprise, John Molson School of Business, Concordia University, Montreal, Canada, jointly with the Department of Business Economics, South Campus, 14 January 2010.

**Publications**

**Vasal, V.K. 2009.** 'Canada, India and Economic Globalization in the New Millennium – Issues and Evidence'. In *State, Society and Economics in 21<sup>st</sup> Century: Canada-India Perspective* (ed. A.S. Narang). New Delhi: Manohar Publishers and Shastri Indo-Canadian Institute, pp. 117-42.

## CENTRE FOR ENVIRONMENTAL MANAGEMENT OF DEGRADED ECOSYSTEMS

### Major Activities

The faculty members of CEMDE are involved in studying (i) ecology of biological invasions, (ii) systematic, reproductive biology and conservation of amphibians, (iii) bioremediation of degraded soils, (iv) taxonomy of arbuscular mycorrhizal fungi of arid and semiarid regions, (v) bioprospecting of Viscaceae members of the Western Ghats, and (vi) different aspects of air pollution. CEMDE faculty members have published papers on different aspects of the above- mentioned research areas.

### Ph.D. Degree awarded

Ph.D. - 1

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Invasion success of <i>Ageratina adenophora</i> , a global weed.	Prof. Inderjit	CSIR
Development of DNA barcode for amphibian fauna of the Western Ghats.	Dr. S.D. Biju	DBT
Diversity and endemism of hill stream amphibians of the Western Ghats of Kerala and Karnataka.	Dr. S.D. Biju	MoEF
Caecilians and the Out of India hypothesis: extending the tests.	Dr. S.D. Biju	DST-DU PURSE
Conservation assessment and prioritization of the Indian Purple Frog ( <i>Nasikabatrachus spp.</i> ) through systematics and reproductive biology.	Dr. S.D. Biju	
Conservation of caecilians in the Eastern Himalayas Region.	Dr. S.D. Biju	
Western Ghats Network of Protected Areas for threatened Amphibians.	Dr. S.D. Biju	
International Joint Project under the scheme Royal Society Programme through the Natural History Museum, London.	Dr. S.D. Biju	



Taxonomic investigations on the indigenous arbuscular Mycorrhizal fungal species of the arid and semi-arid regions of north India.	Dr. D. Kothamasi	MoEF
Evaluation of Viscaceae Members of Western Ghats Region for Prospecting of Ribosome Inactivating Proteins.	Dr. V. Mishra Dr. R.S. Sharma (Co-PI)	DBT

*Programmes taken up involving inter-institutional collaboration:*

Prof. Inderjit has a Ph.D. student jointly registered with a professor at the University of Montana, USA.

### **Honours/Distinctions**

**Dr. Vandana Mishra:** Awarded BOYSCAST Fellowship of DST, Govt. of India.

### **Seminars/Conferences attended**

**Prof. Inderjit:** Invited to deliver a talk at the First Asian Allelopathy Conference, Guangzhou, China, 18-22 December 2009.

Invited by the National Evolutionary Synthesis Center through the Department of Biology at Duke University, Durham, USA, as a visiting scholar for one week, to participate in the discussion on 'Ecology of Biological Invasions', 9-16 January 2009.

Delivered a keynote lecture, 'Pathways of plant invasions and factors contributing to success of invasion' at the workshop on invasive held during the Asia-Pacific Forest Commission meeting, Thimphu, Bhutan.

**Dr. David Kothamasi:** Organized two workshops: (i) Taxonomy, Ecology and Conservation, 29 December 2009–7 January 2010, and (ii) Taxonomy: Theory and Practice, 3-9 March 2010.

### **Publications**

**Kaur, H., Kaur, R., Kaur, S., Baldwin, I.T., and Inderjit. 2009.** 'Taking ecological function seriously: Soil microbial communities can obviate allelopathic effects of released metabolites'. *PLoS ONE*, 4(3): e4700.

**Inderjit, Kaur, R., Kaur, S. and Callaway, R.M. 2009.** 'Impact of (±)-catechin on soil microbial communities'. *Communicative & Integrative Biology*, 2: 1-3.

**Feng YL, Lei, Y, Wang R, Callaway RM, Valiente-Banuet A, Inderjit, Li Y.-P and Zheng Y-L. 2009.** 'Evolutionary tradeoffs for nitrogen allocation to photosynthesis versus cell walls in an invasive plant'. *Proceedings National Academy of Sciences U.S.A. [PNAS]*, 106: 1853-6.

**Inderjit, Von Dahl C, and Baldwin I.T. 2009.** 'Use of silenced plants in allelopathy bioassays: a novel approach'. *Planta*, 229: 569-75.

- Biju, S.D. and Bossuyt, F. 2009.** 'Systematics and phylogeny of *Philautus* Gistel, 1848 (Anura, Rhacophoridae) in the Western Ghats of India, with descriptions of 12 new species'. *Zoological Journal of the Linnean Society*, 155: 374-444.
- Ines Van Bocxlaer, Biju, S.D., Simon P Loader and Bossuyt, F. 2009.** 'Toad radiation reveals into-India dispersal as a source of endemism in the Western Ghats—Sri Lanka biodiversity hotspot'. *BMC Evolutionary Biology*, 9:131. doi:10.1186/1471-2148-9-131.
- Biju, S.D. 2009.** 'A novel nesting behaviour of a treefrog, *Rhacophorus lateralis* in the Western Ghats, India'. *Current Science*, 97(3): 433-7.
- Biju, S.D., Ines Van Bocxlaer, Varad B. Giri, Simon P. Loader and Franky Bossuyt. 2009.** 'Two new endemic genera and a new species of toad (Anura: Bufonidae) from the Western Ghats of India'. *BMC Research Notes*.
- Kamei, R.G., Wilkinson, M., Gower, D. and Biju, S.D. 2009.** 'Three new species of striped *Ichthyophis* (Amphibia: Gymnophiona: Ichthyophiidae) from the northeast Indian states of Manipur and Nagaland'. *Zootaxa*, 2267: 26-42.
- Biju, S.D., Mahony, S. and Kamei, R.G. 2010.** 'Description of two new species of torrent frog, *Amolops* Cope (Anura: Ranidae) from a degrading forest in the North East Indian state of Nagaland'. *Zootaxa*, 2408: 31-46.
- Ines Van Bocxlaer, Simon, P., Loader, Kim, Roelants, S.D. Biju, Michele Menegon and Franky Bossuyt. 2009.** 'Gradual Adaptation Toward a Range-Expansion Phenotype Initiated the Global Radiation of Toads'. *Science*, 327 (5966): 679-82.
- S.D. Biju, Yogesh, S., Dubois, A., Dutta, S.K. and Bossuyt, F. 2010.** 'A ground-dwelling rhacophorid frog from the highest mountain peak of the Western Ghats of India'. *Current Science*, 98(8): 1119-25.
- Kothamasi, D. and Kiers, E.T. 2009.** 'Emerging conflicts in biodiversity conservation'. *Conservation Biology*, 23: 1328-30.
- Devi, K.K. and Kothamasi, D. 2009.** 'Pseudomonas fluorescens CHA0 can kill subterranean termite *Odoontotermes obesus* by inhibiting cytochrome c oxidase of the termite respiratory chain'. *FEMS Microbiology Letters*, 300: 195-200.
- Saxena, P. and Ghosh, C. 2009.** 'Comparative variation of tropospheric ozone and its precursor gases in traffic intersection sites in Delhi'. *Environmental Pollution Control Journal*, 12: 73-6.

# CENTRE FOR DETECTOR AND RELATED SOFTWARE TECHNOLOGY

## Research schemes

<i>Title</i>	<i>Sponsoring Organization</i>
Grid Computing – Setting up of Computing Centres (Tier 2/3 centres) in the country for Projects at CERN, Geneva.	DST
Characteristic of Top Quark and Search for New Particles/ Phenomena at the DZERO experiments at Fermilab.	DST
Study of New Particles with the CMS Detector at the Large Hadron Collider and Heavy Ion Physics using LHC at CERN – CMS Experiment.	DST
India LHC Grid Collaboration–Enhancement of Regional World Wide Computing Grid.	DST

## New Addition

Dr. Md. Naimuddin - Assistant Professor

## Seminars/Conferences attended

**Dr. Md. Naimuddin:** XXIX Physics in Collision, Kobe, Japan, 30 August-2 September 2009.

**Dr. Kirti Ranjan:** XX Hadron Collider Physics Symposium, Evian, France, 16-20 November 2009.

## Publications

**V.M. Abazov, Shivpuri, R.K., et al. 2010.** ‘Search for the Rare Decay  $B_s^0 \rightarrow \mu^+ \mu^-$ ’, *Phys. Lett., B* **693**, 539.

**2010.** ‘Measurement of the Dijet Invariant Mass Cross Section in pp Collisions at  $\sqrt{s} = 1.96$  TeV’, *Phys. Lett., B* **693**, 531.

**2010.** ‘Measurement of the Normalized  $Z/\gamma^* \rightarrow \mu^+ \mu^-$  Transverse Momentum Distribution in pp Collisions at  $\sqrt{s} = 1.96$  TeV’, *Phys. Lett., B* **693**, 522.

**2010.** ‘Dependence of the tt Production Cross Section on the Transverse Momentum of the Top Quark’, *Phys. Lett., B* **693**, 515.

**2010.** ‘Search for Scalar Bottom Quarks and Third-Generation Leptoquarks in pp Collisions at  $\sqrt{s} = 1.96$  TeV’, *Phys. Lett., B* **693**, 95.

2010. 'Search for Flavor Changing Neutral Currents via Quark-Gluon Couplings in Single Top Quark Production Using  $2.3 \text{ fb}^{-1}$  of pp Collisions', *Phys. Lett., B* **693**, 81.
2010. 'Measurement of the tt Cross Section using High-Multiplicity Jet Events', *Phys. Rev., D* **82**, 032002.
2010. 'Evidence for an Anomalous Like-Sign Dimuon Charge Asymmetry', *Phys. Rev. Lett.*, **105**, 08180.
2010. 'Evidence for an Anomalous Like-Sign Dimuon Charge symmetry', *Phys. Rev., D* **82**, 032001.
2010. 'Search for CP Violation in  $B_s^0 \rightarrow \mu^+ D_s^- X$  Decays in pp Collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ ', *Phys. Rev., D* **82**, 012003.
2010. 'Combined Tevatron Upper Limit on  $gg \rightarrow H \rightarrow W^+ W^-$  and Constraints on the Higgs Boson Mass in Fourth-Generation Fermion Models Co-authors: DØ and CDF collaborations', *Phys. Rev., D* **82**, 011102.
2010. 'Search for Randall-Sundrum Gravitons in the Dielectron and Diphoton Final States with  $5.4 \text{ fb}^{-1}$  of Data from pp Collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ ', *Phys. Rev. Lett.*, **104**, 241802.
2010. 'Measurement of Direct Photon Pair Production Cross Sections in pp Collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ ', *Phys. Lett., B* **690**, 108.
2010. 'Search for Single Top Quarks in the Tau+Jets Channel using  $4.8 \text{ fb}^{-1}$  of pp Collision Data', *Phys. Lett., B* **690**, 5.
2010. 'Search for the Associated Production of a b Quark and a Neutral Supersymmetric Higgs Boson that Decays into  $\tau$  Pairs', *Phys. Rev. Lett.*, **104**, 151801.
2010. 'Double Parton Interactions in  $\gamma+3$  Jet Events in pp Collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ ', *Phys. Rev., D* **81**, 052012.
2010. 'b-Jet Identification in the DØ Experiment, Nucl. Instrum. Methods', *Phys. Res. Sect., A* **620**, 490.
2010. 'Search for the Standard Model Higgs Boson in the  $ZH \rightarrow \nu\nu b\bar{b}$  Channel in  $5.2 \text{ fb}^{-1}$  of pp Collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ ', *Phys. Rev. Lett.*, **104**, 071801.
2010. 'Search for Higgs Boson Production in Dilepton and Missing Energy Final States with  $5.4 \text{ fb}^{-1}$  of pp Collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ ', *Phys. Rev. Lett.*, **104**, 061804.

2010. 'Combination of Tevatron Searches for the Standard Model Higgs Boson in the  $W^+W^-$  Decay Mode' Co-authors: DØ and CDF collaborations', *Phys. Rev. Lett.*, **104**, 061802.
2010. 'Search for a Resonance Decaying into WZ Boson Pairs in pp Collisions', *Phys. Rev. Lett.*, **104**, 061801.
2010. 'Measurement of the t-Channel Single Top Quark Production Cross Section', *Phys. Lett., B* **682**, 363.
2010. 'Measurement of  $Z/\gamma^*$ +jet+X Angular Distributions in pp Collisions at  $\sqrt{s} = 1.96$  TeV', *Phys. Lett., B* **682**, 370.
2010. 'Transverse momentum and pseudorapidity distributions of charged hadrons in pp collisions at  $\sqrt{s} = 0.9$  and 2.36 TeV' (CMS Collaboration). *J. High Energy Phys.*, 02-041.
2010. 'Commissioning and Performance of the CMS Pixel Tracker with Cosmic Ray Muons' (CMS Collaboration). *J. Instrum.*, 5 T03007.
2010. 'Measurement of the Muon Stopping Power in Lead Tungstate', (CMS Collaboration). *J. Instrum.*, 5 P03007.
2010. 'Performance of the CMS Level-1 Trigger during Commissioning with Cosmic Ray Muons and LHC beams' (CMS Collaboration). *J. Instrum.*, 5 T03002.
2010. 'Performance of CMS Muon Reconstruction in Cosmic-Ray Events' (CMS Collaboration). *J. Instrum.*, 5 T03022.
2010. 'Commissioning and Performance of the CMS Silicon Strip Tracker with Cosmic Ray Muons' (CMS Collaboration). *J. Instrum.*, 5 T03008.
2010. 'Performance of the CMS Cathode Strip Chambers with Cosmic Rays' (CMS Collaboration). *J. Instrum.*, 5 T03018.
2010. 'Performance of the CMS Hadron Calorimeter with Cosmic Ray Muons and LHC Beam Data' (CMS Collaboration). *J. Instrum.*, 5 T03012.
2010. 'CMS Data Processing Workflows during an Extended Cosmic Ray Run' (CMS Collaboration). *J. Instrum.*, 5 T03006.
2010. 'Performance of the CMS Drift Tube Chambers with Cosmic Rays' (CMS Collaboration). *J. Instrum.*, 5 T03015.
2010. 'Calibration of the CMS Drift Tube Chambers and Measurement of the Drift Velocity with Cosmic Rays' (CMS Collaboration). *J. Instrum.*, 5 T03016.
2010. 'Commissioning of the CMS Experiment and the Cosmic Run at Four Tesla' (CMS Collaboration). *J. Instrum.*, 5 T03001.

- 2010. 'Identification and Filtering of Uncharacteristic Noise in the CMS Hadron Calorimeter'** (CMS Collaboration). *J. Instrum.*, 5 T03014.
- 2010. 'Commissioning of the CMS High-Level Trigger with Cosmic Rays'** (CMS Collaboration). *J. Instrum.*, 5 T03005.
- 2010. 'Aligning the CMS Muon Chambers with the Muon Alignment System during an Extended Cosmic Ray Run'** (CMS Collaboration). *J. Instrum.*, 5 T03019.
- 2010. 'Performance of the CMS drift-tube chamber local trigger with cosmic rays'** (CMS Collaboration). *J. Instrum.*, 5 T03003.
- 2010. 'Fine Synchronization of the CMS Muon Drift-Tube Local Trigger using Cosmic Rays'** (CMS Collaboration). *J. Instrum.*, 5 T03004.
- 2010. 'Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data'** (CMS Collaboration). *J. Instrum.*, 5 T03013.
- 2010. 'Alignment of the CMS Muon System with Cosmic-Ray and Beam-Halo Muons'** (CMS Collaboration). *J. Instrum.*, 5 T03020.
- 2010. 'Performance Study of the CMS Barrel Resistive Plate Chambers with Cosmic Rays'** (CMS Collaboration). *J. Instrum.*, 5 T03017.
- 2010. 'Time Reconstruction and Performance of the CMS Electromagnetic Calorimeter'** (CMS Collaboration). *J. Instrum.*, 5 T03011.
- 2010. 'Precise Mapping of the Magnetic Field in the CMS Barrel Yoke using Cosmic Rays'** (CMS Collaboration). *J. Instrum.*, 5 T03021.
- 2010. 'Performance and Operation of the CMS Electromagnetic Calorimeter'** (CMS Collaboration). *J. Instrum.*, 5 T03010.
- 2010. 'Alignment of the CMS Silicon Tracker during Commissioning with Cosmic Rays'** (CMS Collaboration). *J. Instrum.*, 5 T03009.
- 2009. 'Determination of the Strong Coupling Constant from the Inclusive Jet Cross Section in pp Collisions at  $\sqrt{s} = 1.96$  TeV'**, *Phys. Rev.*, D **80**, 111107.
- 2009. 'Direct Measurement of the W Boson Width'**, *Phys. Rev. Lett.*, **103**, 231802.
- 2009. 'Measurement of the Top Quark Mass in Final States with Two Leptons'**, *Phys. Rev.*, D **80**, 092006.
- 2009. 'Search for Charged Higgs Bosons in Top Quark Decays'**, *Phys. Lett.*, B **682**, 278.
- 2009. 'Measurement of Dijet Angular Distributions at  $\sqrt{s} = 1.96$  TeV and Searches for Quark Compositeness and Extra Spatial Dimensions'**, *Phys. Rev. Lett.*, **103**, 191803.

2009. ‘Measurement of the WW Production Cross Section with Dilepton Final States in pp Collisions at  $\sqrt{s} = 1.96$  TeV and Limits on Anomalous Trilinear Gauge Couplings’, *Phys. Rev., Lett.* **103**, 191801.
2009. ‘Combination of tt Cross Section Measurements and Constraints on the Mass of the Top Quark and its Decay into Charged Higgs Bosons’, *Phys. Rev., D* **80**, 071102.
2009. ‘Search for Pair Production of First-Generation Leptoquarks in pp Collisions at  $\sqrt{s} = 1.96$  TeV’, *Phys. Lett., B* **681**, 224.
2009. ‘Measurement of the W Boson Mass’, *Phys. Rev. Lett.*, **103**, 141801.
2009. ‘Search for Charged Higgs Bosons in Decays of Top Quarks’, *Phys. Rev., D* **80**, 051107.
2009. ‘Measurement of Trilinear Gauge Boson Couplings from WW + WZ  $\rightarrow$  lvjj Events in pp Collisions at  $\sqrt{s} = 1.96$  TeV’, *Phys. Rev., D* **80**, 053012.
2009. ‘Direct Measurement of the Mass Difference Between Top and Antitop Quarks’, *Phys. Rev. Lett.*, **103**, 132001.
2009. ‘A Novel Method for Modeling the Recoil in W Boson Events at Hadron Colliders, Nucl. Instrum. Methods’, *Phys. Res. Sect., A* **609**, 250.
2009. ‘Observation of Single Top-Quark Production’, *Phys. Rev. Lett.*, **103**, 092001.
2009. ‘Search for Dark Photons from Supersymmetric Hidden Valleys’, *Phys. Rev. Lett.*, **103**, 081802.
2009. ‘Search for Associated Production of Charginos and Neutralinos in the Trilepton Final State using  $2.3 \text{ fb}^{-1}$  of Data’, *Phys. Lett., B* **680**, 34.
2009. ‘Search for Resonant Pair Production of Neutral Long-Lived Particles Decaying to bb in pp Collisions at  $\sqrt{s} = 1.96$  TeV’, *Phys. Rev. Lett.*, **103**, 071801.
2009. ‘Search for Squark Production in Events with Jets, Hadronically Decaying Tau Leptons and Missing Transverse Energy at  $\sqrt{s} = 1.96$  TeV’, *Phys. Lett., B* **680**, 24.
2009. ‘Search for Next-to-Minimal Supersymmetric Higgs Bosons in the  $h \rightarrow aa \rightarrow \mu\mu \mu\mu, \mu\mu \tau\tau$  Channels using pp Collisions at  $\sqrt{s} = 1.96$  TeV’, *Phys. Rev. Lett.*, **103**, 061801.
2009. ‘Measurement of the tt Production Cross Section and Top Quark Mass Extraction Using Dilepton Events in pp Collisions’, *Phys. Lett., B* **679**, 177.
2009. ‘Search for the Standard Model Higgs Boson in Tau Final States’, *Phys. Rev. Lett.*, **102**, 251801.

2009. 'Search for Resonant Diphoton Production with the DØ Detector', *Phys. Rev. Lett.*, **102**, 231801.
2009. 'Relative Rates of B Meson Decays into  $\psi(2S)$  and  $J/\psi$ ', *Phys. Rev.*, D **79**, 111102(R).
2009. 'Measurements of Differential Cross Sections of  $Z/\gamma$ +jets+X Events in pp Collisions at  $\sqrt{s}=1.96\text{TeV}$ ', *Phys. Lett.*, B **678**, 45.
2009. 'Measurement of the  $Z\gamma \rightarrow \nu\nu\gamma$  Production Cross Section and Limits on Anomalous  $ZZ\gamma$  and  $Z\gamma\gamma$  Couplings in pp Collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ ', *Phys. Rev. Lett.*, **102**, 201802.
2009. 'Search for Charged Higgs Bosons Decaying into Top and Bottom Quarks in pp Collisions', *Phys. Rev. Lett.*, **102**, 191802.
2009. 'Measurement of  $\gamma + b + X$  and  $\gamma + c + X$  Production Cross Sections in pp Collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ ', *Phys. Rev. Lett.*, **102**, 192002.
2009. 'Search for Long-Lived Charged Massive Particles with the DØ Detector', *Phys. Rev. Lett.*, **102**, 161802.
2009. 'Search for the Lightest Scalar Top Quark in Events with Two Leptons in pp Collisions at  $\sqrt{s} = 1.96 \text{ TeV}$ ', *Phys. Lett.*, B **675**, 289.
2009. 'Measurement of the Semileptonic Branching Ratio of  $B_s^0$  to an Orbitally Excited  $D_s^{**}$  State:  $\text{Br}(B_s^0 \rightarrow D_{s1}^{*-}(2536)\mu^+\nu X)$ ', *Phys. Rev. Lett.*, **102**, 051801.

## CENTRE FOR INTER-DISCIPLINARY STUDIES OF MOUNTAIN & HILL ENVIRONMENT

### Major Activities

Realizing the significant contributions of the Centre in the field of environment impact assessment of power projects and environmental sensitivity studies of river basins, the Ministry of Power, Government of India, recognized it as a Centre of Excellence. The Government of India established CISMHE as an R&D Centre for conducting studies related to issues of environment and environment management in the power sector. The Centre has conducted a number of studies related to environment impact assessment and biodiversity conservation. The Centre also provides expert advice to various institutions of the Government of India, PSUs and the private sector in the field of environment and sustainable development. The Centre has also developed state-of-the-art infrastructure and expertise in the area of Remote Sensing and Geographic Information System and is making rapid strides in helping public and private sector organizations in these frontline areas.



## Research schemes

<i>Title</i>	<i>Sponsoring Organization</i>
Minimum Environmental flow study in Yarjep chhu in Arunachal Pradesh.	Velcan Energy Ltd.
Environmental & ecological aspects of Dhukwan H.E. project.	THDC Ltd.
Cumulative impact assesment analysis of Alaknanda river in Uttarakhand.	Mott MacDonald Ltd.

## Publications

**Sharma, S.K. and Pandit, M.K. 2009.** 'A new species of *Panax* L. (Araliaceae) from Sikkim Himalaya, India'. *Systematic Botany*, 34: 434-8.

**Nautiyal, D.C., Sharma, S.K. and Pandit, M.K. 2009.** 'Notes on the taxonomie history of two rare species of *Begonia* I. (Begoniaceae) from Sikkim Himalaya and their conservation I'. *Journal of the Botanical Research Institute of Texas*, 3:823-30.

**2009.** 'Notes on the taxonomic history, rediscovery and conservation of two endangered species of *Ceropegia* (Asclepiadaceae) from Sikkim Himalaya II'. *Journal of the Botanical Research Institute of Texas*, 3: 815-22.

**Sharma S.K., Bisht, M.S. and Pandit, M.K. 2010.** 'Synaptic mutation-driven male sterility in *Panax Sikkimensis* Ban. (Araliaceae) from Eastern Himalaya, India'. *Plant Systematic and Evolution*, 286: 29-36.

## Books/Monographs

**Sharma, S.K. and Pandit, M.K. 2010.** 'Species diversity, distribution and conservation of *Panax* L. species complex in Eastern Himalaya, India'. In: *Biodiversity: Sustainable Use in Sikkim Himalaya* (Tamang et al. eds.), Department of Science and Technology, Govt. of Sikkim.

## INSTITUTE OF INFORMATICS & COMMUNICATION

### Major Activities

The Institute organized activities such as Industrial Lecture Series, in which eminent persons visit the institute to deliver specialized lectures on current trends in the IT industry sector. Further, students and faculty organized time-to-time Industry-University interaction programmes, such as 'Envisage'10'. The faculty actively presented their research work in various platforms like National/International conferences and workshops. The placements activity this year, like earlier years, has been actively pursued resulting in 100% placement in the first round. Many top-rated IT companies are coming for campus placement. Companies which visited the Institute this year are Aricient, Hughes Systique, Bharti Telesoft, Connexent, Sapient, etc.

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Numerical exploration of orbits in binary stellar systems.	Dr. M.K. Das Prof. M. Yuasa	India-Japan S&T Co-operation (DST-JSPS)

## Seminar held

National Open Source Tech-Fest 'Envisage'10', UDSC, New Delhi, 13-16 March 2010.

## Seminars/Conferences attended

**Dr. Sanjeev Singh:** 'Open Source led ICT Innovation in higher Education', XI International Conference on Technology Policy and Innovation, New Delhi, 13-15 April 2009.

## Publications

**Das, M.K., Narang, P., Mahajan, S. and Yuasa, M. 2009.** 'Effect of radiation on the stability of a retrograde particle orbit in different stellar systems', *Planetary and Space Science*, 57(836).

**Das, M.K., Yuasa, M., Narang, P. and Umetani, M. 2009.** 'Stability of Retrograde Motion of a Particle in Sun-Jupiter and Binary Stellar RW-Monocerotis', *Sci. & Techn. (RIST)* 21: 1-9.

## CENTRE FOR SCIENCE EDUCATION AND COMMUNICATION

### Major Activities

The XXV Annual QUEST started with the preliminary rounds. The written round was held on 5 November 2009 at Acharya Narendra Dev College and Kirori Mal College, and the interactive rounds on 14 November 2009 in the Auditorium of the ARC Building.

The exposition round of the finals was held on 5 December 2009, while the problem and concept rounds were held on 29-30 January 2010, respectively, both in the Auditorium of the ARC Building.

The top three positions in Quest 2009-10 were as follows: Sri Venkateswara College won the 1st prize and St Stephen's College the 2nd prize, thus reversing last year's top positions. Miranda House won the 3rd prize. All prize-winners were allowed to purchase books of their choice out of the prize money allotted to them.

In the summer of 2009, the Centre was able to place students selected through Quest 2008-2009 in summer programmes in India and abroad. Five students attended a seminar on Climate Change in Sydney, Australia, in July 2009. Two students went for the Visiting Students' Programme in IUCAA, Pune, while five students went to the National Centre for Biological Sciences, Bangalore.

CSEC had set up an e-forum, named Vimarsh, to enable science teachers and students of the University to communicate with each another. The forum successfully completed its second year and continued to serve the DU science community. Several e-competitions were conducted and the winners were awarded prizes at the Quest prize distribution ceremony.

A number of workshops to train students in good scientific writing had been conducted. Based on the lessons learnt from these, it was decided to launch an online course in science communication, in which students go through a series of assignments which are posted on a limited-view forum in Vimarsh.

Follow-up activities to the International Conference on School Libraries and Reading continued. The proceedings of the Conference have been edited and are almost ready for publication. The website <http://schoollibraries.in> was redesigned and launched as a joint venture of CSEC and Vidya Bhawan Society, with inputs from several partner organizations such as NEG-Fire, Eklavya, Digantar and Room to Read.

The Indian Association of Physics Teachers and the Homi Bhabha Centre for Science Education, Mumbai, have been selecting teams to represent India at the annual Asian Physics Olympiad. CSEC has been assisting them in organizing pre-competition training for the teams. This year, a three-member team was chosen to represent India at the IX APHO at Ulanbator, Mongolia.

### **Honours/Distinctions**

Prof. Amitabha Mukherjee: Appointed a member of the Executive Committee of Sarva Shiksha Abhiyan. He also continued as member, National Focus Group on the Teaching of Mathematics, member, MHRD sub-mission on Teacher Training, member, National Resource Group for SSA, and member, Academic Committee of Commission for Scientific and Technical Terminology, MHRD.

## **DEVELOPING COUNTRIES RESEARCH CENTRE**

### **Major Activities**

DCRC, in collaboration with the Department of Political Science, Delhi University, organized a special seminar. Professor Sabastiano Maffetone of Luiss, Rome, presented the following papers:

‘Limits of Cosmopolitanism’ on 7 September 2009

‘The Legacy of the Enlightenment and the Exemplar of the E.U Model’ on 8 September 2009

‘Rawl’s International Political Philosophy’ on 9 September 2009

## **Seminars/Conferences attended**

**Dr. Madhulika Banerjee:** Associate Professor, Department of Political Science, Delhi University: Presented a paper on 'Power, Knowledge, Medicine: Ayurvedic Pharmaceuticals at Home and in the World', 25 August 2009.

**Dr. Ashwani Sharma:** Associate Professor, Satyawati College, Delhi University: Presented a paper on 'Contesting Global Environmental Governance: Synergies Created by the alliance of the Third World Coalition with Global Social Movements in the GEF, and the Kyoto-2 negotiations', 24 November 2009.

**Prof. Gopal Guru:** Chairperson, Centre for Political Studies, JNU: Delivered a lecture on 'On Humiliation: Exploring New Frontiers', 25 March 2010.

**Dr. Sanjay Kumar Agarwal:** 'Social Protection Policies for the Urban Informal Sector: The Indian Perspective', 18 August 2009.

**Ms. Chetna Sharma:** 'Identity Politics and Recognition of Minorities in Indian State: A Study of Bodos and Ladhakhees', 1 October 2009.

**Dr. Radhanath Tripathy:** 'Human rights and Police', 1 October 2009.

**Anand Saurabh:** 'Democratic Dialogue for displacement and resettlement: A study of Special Economic Zones in India', 1 October 2009.

**Dr. Prem Kumar:** 'Narrating and Translating Women's Cultural Heritage in Chamba, Himachal Pradesh', 1 October 2009.

**Dr. Tripta:** 'Politics of Film Censorship in India', 22 October 2009.

**Dr. Deepshikha:** 'The Clash of Civilizations Thesis: a Critical Appraisal', 22 October 2009.

**Dr. Shruti Sharma:** 'Secularism: A Legal and Normative Perspective', 22 October 2009.

**Dr. Praveen:** 'Political Grammar of Agrarian Crises: Some Reflections', 22 October 2009.

**Dr. Sruthi Murleedharan:** 'Politics of Symbolism and Limits of Deliberative Democracy', 22 October 2009.

**Dr. Prasanta Sahoo:** 'Indo-Bangladesh Land Border Management: Challenges before India's National Security', 12 January 2010.

**Dr. Shubhra Pant Kothari:** 'Democratisation and Participatory Development: A case study of Women in PRIs in Chamoli and Pithoragarh Districts of Uttarakhand', 12 January 2010.

## **Publications**

**Chandhoke, N. and Priyadarshini, P. (eds). 2009.** *Contemporary India: Economy, Society and Politics*, Vol.1. New Delhi: Pearson.

**Chandhoke, N. and Acharya, A.** *Political Community and Justice in India.*

**Chandhoke, N. and Aggarwal, S.** *Social Protection Policies for the Urban Informal Sector across South Asia.*

### **Working Paper Series**

DCRC has initiated a working paper series from this year.

**Chandhoke, N.** 'Theorising the Right: A Secession for the Postcolonial World'.

**Parihar, S.M.** 'Web Mapping Practices: A Map Use Research Perspective'.

## **UNIVERSITY SCIENCE INSTRUMENTATION CENTRE**

### **Major Activities**

The Centre maintains sophisticated analytical instruments for researchers and Faculty members of various science departments of the University and its affiliated colleges.

*The Centre has conducted the following training programmes:*

82 Lab staff from University Departments and Colleges were trained in two batches, 41 Research scholars were trained on Renishaw Laser Raman spectrometer, 45 Research scholars were trained on Single Crystal XRD, 23 Research scholars were trained on FTIR spectrometer, 20 Research scholars were trained on Thermal Analyzer, 47 Research scholars were trained on NMR spectrometer, 8 Research scholars were trained on TEM sample preparation, 2 Research scholars were trained as certified users on HRXRD in Bangalore by Bruker, 12 Research scholars were trained by German application Scientist on Bruker XRXRD machine, 10 Research scholars were trained on the High Resolution Transmission Electron microscope and 8 Research scholars were trained on the Circular Dichroism spectropolarimeter.

## **DIRECTORATE OF HINDI MEDIUM IMPLEMENTATION**

### **Major Activities**

The Directorate participated in the following international and national book fairs:

National Book Trust, India, organized the World Book Fair at Delhi, 30 January-10 February 2010.

The Knowledge Tree Foundation organized the Book Fair at Allahabad, 1-10 January 2010.

Centre for Readership Development organized a book fair at Patna, 4-15 December 2009.

The Rajasthan Patrika organized a book fair at Jaipur, 31 October-8 November 2009.

## **Seminars/Conferences attended**

**Dr. Asha Gupta:** Presented a paper 'Evolving Role of the Military in the 21<sup>st</sup> Century' at the XXI World Congress of International Political Science Association on 'Global Discontent?: Dilemmas of Change' at Santiago, Chile, 12-16 July 2009.

Presented a paper 'Civil-Military Relations in India' at the Sustainable Development Policy Institute's XII Sustainable Development Conference at Islamabad, Pakistan, 21-23 December 2009.

Paper 'From Womanhood to Personhood: The Role of Education' was prepared for presentation at APGEE3 Conference on 'Gender Equity Education in the Asia-Pacific Region' at National Kaohsiung University, Taiwan, 17-18 October 2009.

Presented a paper 'Equity versus Diversity: Can there be a Trade-off in World Politics?' at ABRI-ISA 2009 Joint International Meeting on 'Understanding Global Inequalities: The Interplay between their Justification and their Reproduction' at Rio de Janeiro, Brazil, 22-24 July 2009.

Contributions made on 'Behavioralism', 'Bernard R. Berelson', 'Fabianism', 'Humanitarian Intervention', 'Judicial Review', 'Military Rule', 'Militia', 'Political Flexibility', 'Privatization', 'Quotas', 'Social Choice Theory', 'Structuralism', and 'Third Way and Social Democracy' to the *Encyclopedia on Political Science*, Sage Publications, USA, in 2010.

'India: the Contribution of the National Assessment and Accreditation Council' in co-authorship with Jagannath Patil. In Michaela Martin (ed) *Equity and Quality Assurance: A Marriage of Two Minds*, pp. 145-73. Paris: UNESCO Series on New Trends in Higher Education, 2010.

## **Publications**

**Singh, A. 2010.** *Prachin Bhartiya Dharma* (Ancient Indian Religions).

**2010.** *Hindi Urdu Angrezi Shabdkosh* (Hindi, English, Urdu Dictionary), edited by Usmani, M.S., Kumar Sudhindra and Usmani Meena.

**Surendranath. 2010.** *Vyaktigat Pehchan Mein Anguli Chaphoon ka Mehatava* (Importance of Fingerprints in Individual's Identity).

**Mulley, G. 2009.** *Einstein aur Brahamand* (Einstein and Cosmos).

**Devesh, V. 2009.** *Sanskritik Itihas: Ek Tulnatamak Survekshan* (Cultural History: A Comparative Analysis).

**Sharan, G. 2009.** *Nrihi Vigyan ka Swaroop aur Khetra* (Anthropology: Nature and Scope).

**2009.** *Europea History (1400-1800)* (European History) edited by Devesh Vijay.

**2010.** *Rajnitik Chnintan* ( Political Thoughts) edited by Ruchi Tyagi.

**2010.** *Upniveshavad and Rasthravad Ek Adhyan* (Colonolism and Nationalism a study) edited by Himansu Roy.

**Sharma, R.S. 2010.** *Itihas: Ek Punarvichar* (History: A Re-thinking).

**Dutt, V.P. 2010.** *Badalti Duniya mein Bharat Ki Videsh Niti* (India's Foreign Policy in the Changing World), Vol.1&2.

**Gupta, A. 2010.** *Ucha Shiksha ke Nai Aayaam* (New Dimensions of Higher Education).

**Thapar, R. 2010.** *The Aryan*.

**Kansal, D.K. 2010.** *Vyabharik Mapan, Mulyankan तथा Khel Chayan* (Applied Measurements, Evaluations and Sport Selection).

**2010.** *Modern European History*, edited by Devesh Vijay, Meena Bhardwaj and Vandana Chaudhary.

**Shashtri, I.C. 2010.** *Pali Bhasha Aur Sahayatyā* ( Literature and Pali Language).

**Singh, M.P. and Roy, H. 2010.** *Political Structure*.

**Bipin Chandra et.al 2009.** *Azadi Ke Bad Ka Bharat* (India After Independence).

**Kasyap, S. 2009.** *Rajiniti Kosh* (Political Dictionary).

**Roy, S.M. 2009.** *Rashtrabad aur Upniveshavad* (Nationalism and Colonialism).

**Jain, N. (ed). 2009.** *Sahayatyā Ka Samajshastriya Chintan* (Philosophy of Social Science Literature).

**Sarao, K.T.S. (ed). 2009.** *China ka Itihas* (History of China).

#### **Book reviews:**

*Education in 21<sup>st</sup> Century: Looking Beyond University* by Asha Gupta in *Journal of Educational Planning and Administration* (NUPEA), 2009.

Book reviewed in the *University News*, 2009.

Book reviewed in the *Economic and Political Weekly*, 2009.

## **CENTRE FOR PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION**

### **Major Activities**

The Academic Staff College of Delhi University is known as the Centre for Professional Development in Higher Education. It was established in 1987-88. Its primary function is to conduct Orientation Programmes and Refresher Courses for university and college teachers. Since inception, it has organized 62 Orientations and 275 Refresher courses.

The Orientation Programme is meant for those teachers who have just entered the university system. It is a four-week course which equips them with knowledge of ICT and helps them improve their communication skills. It also addresses social issues such as environmental degradation, urbanization and conservation of heritage, secularism and gender. Teachers are also introduced to different pedagogical perspectives and to the importance of mentoring and counselling. Overall, the course is designed to equip teachers with basic and necessary skills and to provide them with an understanding of the larger context of higher education. Refresher courses are discipline specific and are organized with the support of the respective Departments at the University. They are often thematic and are designed to familiarize teachers with new trends in academics and research. During the period under review, Refresher courses were organized in Library and Information Science, Physical Education, Nationalism and Justice by the Department of Political Science, Biotechnology and its Applications, Contemporary Issues in Commerce and Business, Current Trends in Mathematics and its Applications, Economic Theory and Quantitative Methods, Gender: Contemporary Debates, Computer Science, History, Chemistry, Hindi and Physics and Electronics.

CPDHE organized 3 Orientations and 13 Refresher Courses

<i>Programme</i>	<i>Coordinator/ Conveners</i>	<i>Duration</i>
Orientation Programme (OR-60)	Dr. Hem Chand Jain	9 June-6 July 2009
Orientation Programme (OR-61)	Dr. Sushila Madan Mrs. Aruna Jain	30-31 October 2009
Orientation Programme (OR-62)	Dr. Neelam Sachdeva Dr. Smita Mishra	2-30 March 2010
Refresher Course in Library Science	Dr. R.K. Bhatt Dr. M. Madhusudhan	8-27 June 2009
Refresher Course in Physical Education	Dr. Jitendra Singh Naruka & Dr. M.K. Singh	1-21 July 2009
Refresher Course in Political Science	Dr. P.K. Datta Dr. Devender Kaur Chawla	31 July-1 August 2009
Refresher Course in Biotechnology and its applications	Dr. Anil K. Bali Dr. Daman Saluja Dr. Latha Narayanan	21 July-10 August 2009
Refresher Course in Commerce	Dr. Nisha Rana	1-23 October 2009
Refresher Course in Mathematical Sciences	Prof. S.C. Arora Dr. Shiv Kumar Sahdev Dr. Gopal Datt	5-26 October 2009



Refresher Course in Economics	Dr. Ram Singh	8-29 October 2009
Refresher Course in Women's Studies	Ms. Manjeet Bhatia Dr. Amrit Kaur Basra	27 October- 7 November 2009
Refresher Course in Computer Science	Dr. Vasudha Bhatnagar Ms. Anita Goel	19-30 November 2009 29 December 2009 - 7 January 2010
Refresher Course in History	Prof. S.Z.H. Zafri Dr. R.P. Rana	27 January-16 February 2010
Refresher Course in Chemistry	Dr. D.S. Rawat Dr. Sunita Bhagat	15 February-9 March 2010
Refresher Course in Hindi	Prof. Mohan Dr. Vijaya Sati	18 February-12 March 2010
Refresher Course in Physics and Electronics	Prof. Vinay Gupta Dr. Arijit Chaudhary	9-30 March 2010

In addition to the Orientation and Refresher courses for teachers, CPDHE also conducted a 4-week Training Programme on Educational Administration for administrative staff, i.e. Assistant Registrars, Administrative Officers, Section Officers, etc.; a three-day workshop in Political Science on the revised syllabus and a two-day workshop on International Financial Reporting Standards: Implications for India.

## **INSTITUTE OF LIFE LONG LEARNING**

### **Major Activities**

The Institute of Lifelong Learning is an institute with a vision beyond the future. The primary focus of this Institute is to enhance the quality of education in Delhi University by integrating information and communication technology with higher education. ILLL, which functions from two centres, one at the Main Campus and the other at South Campus, believes in a three-pronged strategy for ICT integration at Delhi University:

(a) Capacity-building of students, teachers and administrators in ICT skills, (b) Development of e-content and (c) ICT related infrastructure

### **Progress of Work at the Institute of Life Long Learning (Main Campus)**

Work was initiated for customization of MOODLE, an open source Learning Management System (LMS), for development of the University's e-Learning Portal. It was decided that the portal would contain e-learning materials in four forms: e-quizzes, e-labs, e-lessons and e-lectures.

The *e-lessons* are highly interactive and multi-media enriched e-content and not simply PDF files. The output e-lesson templates are unique SCORM-compliant modules produced by blending different technologies like HTML, Flash, Java script, XML, CSS, audio/video as FLV, PDF, format of lessons in most simple and self explanatory language. In addition to providing the learner the text and the images related to the syllabus, these e-lessons also have value addition in the form of 'Did you Know?', 'Common misconceptions', 'Interesting facts', animations, audio, video, simulations, etc. (27 in number), which take the learner beyond the limited framework of textbooks.

The *e-quiz* section provides interactive quizzes on the MOODLE-based LMS. An e-quiz generally has around 25 multiple choice questions (MCQs) and is self-graded. These MCQs are created at 3 levels of difficulty, namely, LOD-1, LOD-2 and LOD-3. E-quizzes encourage self-assessment by the learner as it goes beyond just questions and answers. In addition to multiple choice questions, some other questions in other formats were also developed, such as 'Fill in the blanks', 'Match the following', 'True-False', crosswords etc.

The *e-labs* section is made specifically for science disciplines. It has e-labs, lab manuals and lab-quizzes. E-Labs explain, step-wise, the details of each experiment with the help of audio, text, animation and/or video. Each e-lab is further divided into pre-lab, in-lab and post-lab sub-sections. Lab manuals are the PDF versions of the details of each experiment. Lab quizzes are just like e-quizzes and are divided into pre-lab and post-lab quizzes. Many lab manuals, e-labs and quizzes in the disciplines of Physics, Chemistry and Life Sciences have been uploaded on the portal and others are in the process of development.

The *e-lectures* section aims at providing videos under various heads, such as e-lectures, interviews and discussion, and videos of ILLL activities/workshops. E-lectures are video lectures by eminent faculties. For recording the video lectures, the required infrastructure was put in place and in October 2009, a state-of-the-art Audio Visual Production Centre (a full fledged-studio) was built at ILLL. This was set up under the Pan-Africa e-network project of the Government of India. While this was being set up, a video lecture was recorded at the studio of Indraprastha College, Delhi University. Subsequently, the video lectures were recorded at the in-house facility.

ILLL was entrusted with the task of conducting an online examination in the Environmental Studies course for first year students of B.Sc. Programme on 18-31 June 2009.

In order to benefit a large segment of the University community, ILLL, in collaboration with Microsoft Corporation, India, conducted a pilot workshop for teacher empowerment through capacity building in ICT skills from 20-24 April 2009.

Workshops on Developing Champions of ICT Capacity were conducted from 17-28 August 2009, 31 August-12 September 2009 and 14-25 September 2009.

An ICT workshop for DU officials from 13-14 November 2009 was conducted for the Vice-Chancellor, senior university officials, Deans, Heads of the Departments and Principals.

An ICT workshop for administrative staff was conducted with 150 participants being trained till date.

English Language Proficiency Course for Students: A 100-hour course in English Language Proficiency was offered to enable students to improve their ability to speak, read, listen and write in English.

Personality Development Course: Beginning as a pilot project with 35 students trained at ILLL by the experts through a specially designed course module of 60 hours (Jan 31-Mar 8, 2009), this course has now expanded to almost 100 students undergoing a training session of 100 hours by Delhi University experts at ILLL. The programme includes topics such as Holistic Wellness, Stress and Time Management, Handling Conflicts, Etiquette, Communicating Effectively and Motivating Self and Others.

An Academic Administration and Management Course Workshop on Academic Administration and Management was held from 23-25 January 2010, and was attended by 30 Principals of various colleges and Heads of various Departments.

E-material workshops: Content development teams at South and North Campus of ILLL conducted various courses and workshops in various colleges for the benefit of students.

Work at the ILLL South Campus:

E-lessons and quizzes:

Courses completed	-	7
Quizzes (Mathematics)	-	300
Ongoing courses	-	13

ILLL at the South Campus took the important initiative to translate lessons/interviews into Hindi in order to provide much-needed e-material for Hindi-medium students. Some lessons are also being written in Hindi.

## COMPUTER CENTRE

### Major Activities

The Computer Centre has taken several initiatives to enhance IT infrastructure in the main campus and all the non-professional colleges already connected to the University wide network. As part of the National Knowledge Network, Delhi University is now connected by a high speed Internet link to all major institutions of India. The Centre is also entering into a Campus Agreement on behalf of Delhi University with software giants such as Microsoft, Adobe, Symantec, etc. for use of their software for academic purposes.

The Centre continues to enhance its infrastructure to match the high speed Internet requirements by upgrading its key routers and switches. It is also upgrading the servers, desktops and printers in its lab to provide better resources to the students. New security devices have been installed to protect the network against malicious attacks.

## GANDHI BHAWAN

### Major Activities

Gandhi Bhawan celebrated Gandhi Jayanti on 2 October 2009. The programmes on this occasion included prayer by students of Harijan Sevak Sangh, Charkha Yajna by Dr. Sita Bimbra, Musical tribute to the Mahatma by Dr. Madhurlata Bhatnagar of the Music Faculty. The message of peace and non-violence was delivered by the Hon'ble Vice-Chancellor. On 23 December 2009, an on-the-spot Painting Competition on the theme of *Nonviolence* was held in which students from various colleges of Delhi University took part. Students from various colleges/departments of Delhi University visited Gujarat Vidyapith under Gandhi Darshan Yatra. The programme on 30 January 2010, Martyr's Day, included prayer by students of Harijan Sevak Sangh, musical tribute to Mahatma by Dr. Madhurlata Bhatnagar of the Music Faculty. Certificates were distributed to the participants of Gandhi Darshan Yatra and prizes were given to the winners of on-the-spot Painting Competition. An Outreach Programme 'Enhancing Human Potential', in collaboration with Ramakrishna Mission, New Delhi, was inaugurated. The Pro-Vice-Chancellor, Director, UDSC, Dean Planning & Member, M.C., Gandhi Bhawan were special guests. Swami Shantatmananda Ji Maharaj, Secretary, Ramakrishna Mission, introduced the programme. On 23 February 2010, a documentary film *Mahatma* by Viththalbhai Jhaveri was screened. An interactive session 'Realizing One's Potential' was conducted by Swami Shantatmananda Ji Maharaj, Secretary, Ramakrishna Mission, New Delhi, for the residents of Saramati Hostel, Delhi University, South Campus, residents of North East Students House for Women, Delhi University, and residents of Jubilee Hall Hostel, Delhi University, on 18 March 2010. There are Gandhi Study Circles in 41 colleges of Delhi University through which various programmes are organized to apprise the younger generation about Gandhian ideology and action.

### Seminars/Conferences attended

**Prof. Ashum Gupta:** Invited lecture 'Hind Swaraj: Psychological Perspectives', delivered at the Hindi Academy, New Delhi, 18 August 2009.

'Eradication of Ragging', spoke as panelist at Gandhi Smriti and Darshan Samiti, Rajghat, New Delhi, 11 September 2009.

'Exploring Swaraj: Field experiences', participated in an interaction session at the International Conference on Hind Swaraj at Hotel Rajhans, Suraj Kund, Faridabad, Haryana, 19 November 2009.

'Importance of Gandhian Ideology in modern times', inaugural address delivered as special guest at the inauguration of Gandhi Study Circle at Daulat Ram College, Delhi University, 16 December 2009.

Participated as resource person, 'Developing multimedia package on Mahatma Gandhi for school children', National Gandhi Museum, Rajghat, New Delhi, 19 January 2010.

Delivered lecture on 'Gandhi in the Era of Globalization', valedictory at the National Symposium at S.P. Mukherjee College, 13 February 2010.

Lecture delivered on 'Yoga for Women and Children's Health and Mental Health', at the Workshop on Yoga for Healthy Lifestyle, Gandhi Bhawan, Delhi University, 12 March 2010.

## **DELHI UNIVERSITY SPORTS COUNCIL**

### **Major Activities**

Delhi University won the gold medal at the All India Inter-University Championship in Basketball (Women), Over all Shooting Championship for Men Section, 4x100m freestyle Relay for (Men) in Swimming and Archery Compound round Event in Men section.

The University was Runners up in Chess (Men/Women), Swimming 4x200 Freestyle Relay (Men) and Handball (Women).

The University won the third place in Gymnastic Artistic (Women), Water Polo (Men), Shooting Air pistol (Men) and Shooting Air Pistol (Women).

As usual, Delhi University organized 58 Inter-College Tournaments for Men and Women sections in various disciplines. It also participated in 58 Inter-University Tournaments across the country organized by various Universities. For intensive training to the students before participating in the Inter University/Zonal Tournaments, 65 coaching camps were conducted.

## **NON-COLLEGIATE WOMEN'S EDUCATION BOARD**

### **Major Activities**

The Non-Collegiate Women's Education Board which started functioning in September, 1944, was established by an amendment of the Delhi University Act in 1943. There are about 31 Professors and Sr. Readers of the Department who taught postgraduate students and about 441 Teachers, including Research Scholars of Delhi University, who taught undergraduate students through of 50 days classroom teaching.

All the undergraduate Non-Collegiate students were provided library facilities through small libraries existing in all the 12 Teaching Centres. The library for postgraduate Non-Collegiate students is located in the Arts Faculty Building. During the year, as many as 2804 books for undergraduate courses and 93 books for postgraduate courses were added to the undergraduate and postgraduate library/book bank, respectively.

One of the major achievements of this year was to make attendance in the classes mandatory. The examination for the Non-Collegiate students has been combined with regular students and this experiment has been conducted very successfully.

Financial aid of Rs. 1500 was given to 264 students and books were loaned from the Book Bank to 169 Non-Collegiate students who were found deserving and belonged to under-privileged sections of the society.

As per practice, the 17th issue of our magazine *Pratibimb* was released in our combined Annual Function held on 13 December 2009, which was presided over by Dr. (Mrs.) Kiran Walia, Minister of Health, Govt. of Delhi. Prizes were also awarded by the Chief Guest to postgraduate and undergraduate Non-collegiate students who secured the first three positions and to the winners of the inter-college Essay competition. The cultural programme put up by all the Teaching Centres was a great success.

## **DELHI UNIVERSITY WOMEN'S ASSOCIATION**

### **Major Activities**

Fresh election for the new Executive Committee was held on 9 January 2010.

For the first time, the Annual day of UGSV and Balwadi was held at the Shankar Lal Auditorium, 20 December 2009.

Renovation of the Main Hall and stage was completed on time.

Under the welfare schemes, payment of medical expenses for terminally ill patients was done. Additionally, scholarships and freships to needy children of Balwadi were provided.

## **WOMEN'S STUDIES & DEVELOPMENT CENTRE**

### **Major Activities**

The Centre's activities focus on research, teaching and community action. It conducts one postgraduate level short-term course and one short-term Advanced Course on Gender. Students, researchers and teachers from various disciplines participate in these courses. These courses are taught by WSDC faculty with the help of guest faculty consisting of well-known experts in the area of Gender Studies.

The Centre in its capacity as the secretariat of the Apex Committee against sexual harassment, implements the Ordinance XV-Department of Delhi University.

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Gender Audit of Delhi University.	Dr. Nilima Srivastva	DU and WSDC
Socio-Legal study of Domestic Violence with Special reference to PWDV Act.	Dr. Manjeet Bhatia	WSDC
Gender in School Foundation Education, Curriculum and Practices.	Dr. Madhumita Biswal	Indo-Sri lanka Foundation

### **Honours/Distinctions**

**Dr. Manjeet Bhatia:** Associate of the UGC Inter-University Centre for Humanities and Social Sciences at the Indian Institute of Advanced Study, Shimla.

### **Seminars/Conferences attended**

**Prof. Vibha Chaturvedi:** Delivered a lecture on 'Gender and Labour' at V.V. Giri Labour Institute, Noida, in an International workshop for international labour officials.

Chaired the inaugural session at the National Seminar on 'Revisiting women's movement' at Lakshmibai College, Delhi University.

**Dr. Manjeet Bhatia:** Delivered a Lecture on 'Gender and Labour' for an international group of labour officials at V.V. Giri Labour Institute, Noida.

Presented a paper on 'Domestic Violence' at the National Seminar on 'Violence in the Home' held at IIAS, Shimla, on 23-25 April, 2009.

Presentation on 'Domestic Violence: A Study of Delhi' in the National Seminar on 'Agency, Autonomy and Power: A Dialogue on Women's Body' at WSDC, Delhi University, on 25 February 2010.

Presented a paper on 'Rationale of new Domestic Violence law' at the UGC National Seminar on 'Revisiting Women's movement' at Lakshmibai College, Delhi University, on 12 March 2010.

Made a presentation as a panelist on the topic 'Gender in Economics and Economics in Women's Studies' in the National workshop on 'Engendering Public Policy ISST' on 25 March 2010.

### **Publication**

**Chaturvedi, V. and Srivastva, N. 2010.** *Girl Child: Changing Perceptions*, 2 Volumes. Delhi: The Women Press.

## **UNIVERSITY PRESS**

The University Press has undertaken various printing jobs such as printing of degrees, answer books, prospectus, yearly reviews, annual reports of the University, minutes of the Academic Council/Executive Council, examination forms and several other items of the University and its colleges. Besides, binding of various records and registers of the University were also undertaken.

The number of jobs executed were 921, valued at ₹1,24,20,431, and 1009 docketts were opened.

## **GARDEN COMMITTEE**

### **Major Activities**

The 52nd Annual Flower Show was organized on 26 February 2010 on the lawn of the Mughal Garden. More than 3000 exhibitors participated in the Show. 65 running cups/trophies were awarded and several cash prizes were distributed to the malis/exhibitors.

The following new lawns and gardens were developed by the Garden Committee:

Development of New Lawn at Law Centre-II

Development of experimental plots at Shahbad, Bawana, Delhi.

The Garden Committee participated in the Annual Flower Show of the Indraprastha Art and Culture Society and won the following Trophies:

Sudershan Jewellers Rolling Trophy (awarded for the Mughal Garden)

Arun Kumar Pal Memorial Rolling Trophy (awarded for the Lawn of Gandhi Bhawan)

Rangam Memorial Trophy (awarded for Sir Shankar Lal Hall's Lawn).

## **CULTURE COUNCIL**

### **Major Activities**

The Culture Council is an active statutory cultural body of Delhi University reaching out to 82 colleges and 64 departments of the University.

The Culture Council started its activities in collaboration with World University Services by organizing a remarkable play 'Maulana Azad' (by the theatre group, Pierrot's Troupe) at Hansraj Auditorium. It was a solo performance by veteran actor Padmashri Tom Alter.

To encourage theatre activity in the University, the Culture Council facilitated a full-length play 'Jee To Ley' based on the short stories of Prem Chand and Dwiref by the Navrang Drama Society, S.P. Mukherjee College, on 7 September 2009.

'Tantra' is an inter-college Extempore Debate. The IX Tantra was organized on 11 September 2009 at Hindu College. The Dean, Students' Welfare, Delhi University, graced the occasion as the Chief Guest.

The Culture Council organized the preliminaries of the Inter-College debate for Indian Association of Parliamentarians on Population and Development on 14 September 2009 (Hindi Diwas) at Gargi College Auditorium.

The Culture Council organized a Clay Modelling Workshop, a novel experiment, on 15-16 September 2009.



The Culture Council sponsored a workshop on Indian Classical Music organized by PGDAV College and conducted by Ms. Anita Seth on 18-24 September 2009.

The Culture Council organized its annual cultural programme 'Vande Matram', for the eighth consecutive year on 26 September 2009.

The Culture Council and World University Services organized a Sufi singing programme performed by Bharti Bandhu at the Convocation Hall, Arts Faculty. Bharti Bandhu are internationally acclaimed Sufi singers.

The Culture Council organized the 2nd Inter-College Painting Exhibition-cum-Competition 'Rang Srijan' at Hindu College, on 24-25 November 2009.

The Culture Council supported the Annual Music Competition on the occasion of Vasant Panchami organized by the Faculty of Music and Fine Arts, on 19 January 2010.

The Culture Council also brings out its bilingual newsletter *Glimspe/Jhalak* to keep the University fraternity in touch with the cultural activities of the Culture Council and various colleges.

### **W.U.S. HEALTH CENTRE**

At present, the services of the WUS Health Centre cover the entire area of Delhi. Health service facilities are provided to the University community. The total number of patients attended at the OPD in the WUS Health Centre was 2,42,157. It also provided specialist consultancy services for ENT, Dental, Orthopaedic, Cardiology, Gynecology, Psychiatry, Skin and Optometry (Eye), and para medical services in Physiotherapy, ECG, injections, dressing, lab. tests, Microbiology, X-Ray Unit, malaria clinic, night emergency, ambulance, medical examination/fitness certificates, Ayurvedic OPD and Integrative Counselling Test Centre.

### **DELHI UNIVERSITY LIBRARY SYSTEM**

#### **Major Activities**

The Delhi University Library System has, during this period, taken several measures to revamp the Library and information services provided through its 35 constituent libraries, in keeping with the newly revised Ordinance XVI. A brief listing is given below:

The Library System added 24,450 volumes of books/periodicals to its collection and 196 volumes of the Department of Botany Library and Department of Slavonic & Finno Urgan Studies were written off. The total collection as on 31.03.10 is 14,99,983 volumes. It has 925 periodicals on its current list of subscriptions.

DULS continued to strengthen the accessibility of electronic resources to users. While the previously subscribed resources have been renewed, there are number of e-resources which have been added. There are 58 electronic databases in different subjects and disciplines which are available to the user community of the University.

The Library has created Digital Audio Document for 330 books in DAY form and 303 books were scanned for e-text production. 100 titles were produced in Braille using electronic embosser.

The Centre conducted short-term courses and workshops on various topics during this period for the facilities and services to be provided to physically impaired persons.

The DULS website which includes the catalogue of selected libraries (OPAC), provision for e-referencing, access to electronic resources including open access resources and several other user friendly features, is in operation.

The Department of Information Technology (DIT) has provided funds to the tune of Rs. 28.30 lakh to undertake the 2nd phase of digitization of out-of-copyright zone books of DULS in the current year. The Library has been able to complete 11,248 books and have been placed on the web for global Internet accessibility using the Open Source Content Management System, 'Dspace'. The URL is <http://library.du.ac.in/dspace>. The Library continued to engage professional staff to undertake worksheet preparation, Metadata editing including document uploading, etc.

In addition, DULS undertook the task of digitizing the thesis collection of the University. In the first phase, we are completing the project for those thesis which were produced from 1980 to 2003. About 2915 thesis have been uploaded on the web for internal accessibility.

The Library continued to conduct its Information Literacy Programme. The DULS is regularly conducting the following activities and programmes:

With a view to empower students, researchers and faculty members to seek, evaluate, use and create information effectively and efficiently to achieve their educational, social, occupational and personal goals, DULS has initiated and has been regularly conducting its Information Literacy Programme since 2006. DULS has organized a total of 60 Information Literacy programmes in various departments and colleges of the University, including 47 e-Resource Orientation programmes, 10 Hands-on Training Sessions and 3 one-day programmes.

DULS, with technical collaboration from Global Information Systems Technologies Pvt. Ltd., has come out with an Open Source Federated Search Engine called Gist Find and its URL is <http://du.gistfind.com>. It provides a single window search for all types of content, including open access and subscribed databases. The freedom lies with the users to search all the databases covering his subject or make a selection of any one or any number of databases for searching. Presently, the beta version is available for access and it is being evaluated regularly at DULS for more value additions.

DULS has initiated the Virtual Referencing service in collaboration with OCLC. Presently, OCLC is providing question point software free of cost for one year to run the service. DULS has prominently placed a link for this service on its website as 'ASK YOUR LIBRARIAN'.

The Standing Committee on Electronic Resources in its meeting held on 14 December 2009 had recommended initiating the task of providing a searchable A-Z list of all electronic journals available in various databases that are being subscribed by the University. The task of compiling the A-Z list of all e-journals was initiated with financial sanction of ₹2,13,000 and it is happy to note that the work of compiling the A-Z list of 39,003 e-journals has been completed and a Beta version of searchable list on the SQL platform has been made available on the DULS website. However, to improve the database in terms of its functionality, editing and updating, a fresh approval of ₹2,07,000 has been received to engage library as well as computer professionals to complete the same.

The training facility created in the Central Library for imparting training on 'Use of Computers in Libraries' has been conducting training programmes for the benefit of Library Staff of the University and College Libraries with the help of the resource persons from the DU Computer Centre.

DULS continued to engage students of the Master's Programme in Library and Information Science as summer interns @ ₹ 7,500 per month. 13 student have been given training in various libraries during the period.

#### **Seminars/Conferences held**

Delhi University Library System has successfully conducted an International Conference on Academic Libraries from 5-8 October 2009.

#### **Seminars/Conferences attended**

**Sh. K.K. Sharma, Ms. Tripta Chopra, Ms. Amarjit Kaur and Ms. Saroj Rajdan:** Attended the National Conference on 'Role of Public Libraries in the Emerging Knowledge Society in India' at New Delhi, 1-3 April 2009.

**Sh. Saleem Anwer, Dr. S.C. Jindal, Ms. Tasnim Zia, Ms. Aruna Garg and Ms. Poonam Dayal:** Attended the Library and Information Science in the Digital Era at Greater Noida, 21-24 January 2010.

**Sh. R.N. Vashistha, Dr. Lokesh Sharma, Sh. R.P. Singh and Dr. O.P. Sachdeva:** Attended the International Conference of Digital Libraries (IDCL) at India Habitat Centre, Delhi, 23-26 February 2010.

Convocation Exhibition of Doctoral Research and Faculty Publications was held in the Central Library from 18-25 March 2010 on the occasion of the 87th Annual Convocation 2010. The Exhibition was inaugurated on 18 March 2010 by Prof. A.K. Koul (Retired), Faculty of Law, who released the publication *Doctoral Research*, Vol. 11, 2010.

The Central Library (including the Arts Library) has been able to add a collection of 7651 volumes in the last financial year with a membership of 2895 users and the circulation of 4.80 lakh books.

The Central Library completed the task of shifting the books of the Seminar Library (about 20,000), catering to the textbooks demands of postgraduate Students, in the main Central Library. From the current academic session, the students of Arts and Social Sciences will be visiting the Central Library for textbooks. This will give an opportunity to students to utilize the Central Library in a better way and the professional staff will be under the direct supervision of seniors.

The complete English Literature section (20,000 books) published after 1960 has been reclassified according to Colon Classification; Ed. 6 as prior to this classification was done using different versions of CC which had resulted in the scattering of books of the same literary author. In addition, collection of subjects with class numbers A to W has been bar-coded, including the data entry of about 15% books.

The Central Library continued to provide Article Alert Service in major subjects on Social Sciences and Humanities. In addition, since 1 January 2010, another daily service known as THE DAY IN THE HISTORY containing a write-up on important historical events (national and international) of the day are being placed on the Notice Board of the Library. The service has received wide response and appreciation from users. The Library in-tends to place these documents on the Library website for wider access and archive.

A 100 LPH RO System has been installed to overcome the acute drinking water problem. The new Internet access facility has been streamlined to a great extent by providing more terminals for accessing OPAC services and different electronic resources. The furniture of the computing environment has been augmented. Landscaping of one of the gardens within the four walls of the Central Library has been re-done to create an environment for academic discussion.

The Internet access facility provided for exclusive use by research scholars on the Research Floor in the Central Library is being utilized regularly 25-30 scholars per day.

The Library has been able to add 1500 volumes in the last financial year with a membership of about 1250 users and the circulation of more than 1.50 lakh books.

Computerization of all the 1.80 lakh books has been completed and is accessible through OPAC. The total collection of the library is as follows:

The RTL has augmented its computing facility and a unique e-library has been established with 33 terminals to access various resources. Purchase order for another 36 computers along with 30 KVA UPS system has been placed. The Library has also updated its web site with more value addition.

All stack halls, second floor and ground floor of the main reading hall have been fully renovated and air conditioned. The air conditioning work in the current periodicals hall has been going on for the last four months.

The Central Science Library has been able to add 3926 volumes in the last financial year with a membership of 3199 users and the circulation of 1.81 lakh books. The library has excellent IT infrastructure for various IT related services. The Library continued to conduct the Information Literacy Programmes and facilitated the e-mail service to its users. The Library has been able to provide service to users of all faculties—science, social sciences and humanities.

The South Campus Library has been able to add 4049 volumes in the last financial year with a membership of 2593 users and the circulation of about 1.50 lakh books. The library has completed the computerization process by having the bibliographical data of books and holdings data for bound volumes of periodicals. The Library has also upgraded its web site, has set up an e-resource centre, placed extensive signages across the library, completed the barcoding of books and organized orientation programmes. The Library has upgraded its infrastructure by installing touch screen kiosks on all the three floors, purchased new computers and presentation equipment and also set a helpdesk for library users.

The Library continued to increase resources in Japanese, Korean and Chinese languages. Running its two establishments at different places and providing services to users is the real challenge that the Library is meeting. The Library has installed a new server to accommodate the growing collection in East Asian Languages.

The Law Faculty Library continued to increase its collection to serve the faculty, students and research scholars. Internet services are being provided with the help of 21 terminals. The Law Centre-I Library also added a new server to provide various services. The Department of Germanic and Romance Library holds a collection of about 42,000 books in German, French, Spanish, Italian, Portuguese and Romanian. It has a special collection on European Response to the 1887 Rebellion in Indian and Foreign Language Education Teaching.

## **FOREIGN STUDENTS' REGISTRY**

### **Major Activities**

The office of the Foreign Students' Registry receives applications from two categories of students – ICCR scholars and self-financing scholars. The applications of government scholars are routed through the Indian Council for Cultural Relations and self-financing students apply through their respective High Commissions or Embassies.

The Registry received approximately 4000 applications from foreign students. About 1500 foreign students were issued eligibility letters, out of which approximately 650 students joined the University.

## **DEAN, STUDENTS' WELFARE**

### **Major Activities**

The main activity of the office of the Dean, Students' Welfare, started with preparation for admission of undergraduate students to various undergraduate courses in the colleges of the University. Sixteen Admission Information Centres were opened, one each in the Main and South Campus and the remaining 14 in colleges located in various parts of the city to sell Common Pre-admission OMR, forms for admission to various undergraduate courses and to counsel candidates about the courses offered in these colleges, the suitability of the candidates for a specific course and the chances that a candidate had for admission to various courses/colleges. Nearly 1,50,000 forms were sold. Four cut-off lists for various courses declared by the colleges were prepared and released to the press. The admission procedure was explained to the public through television, radio and national newspapers.

The University formed three Admission Grievance Committees, one for the Main Campus, one for the South Campus and one specifically for SC/ST and PH candidates. The Grievance Committees helped candidates in getting admission to various courses eligible in a specific college.

The Central Placement Cell is a new initiative undertaken by Delhi University under the office of the Dean, Students' Welfare. The main endeavour of CPC is to get students placed in multinational companies, government sector, NGOs and the private sector. CPC provides a platform where companies and organizations get themselves registered along with the students of Delhi University. Every year, third-year students get themselves registered with CPC through their respective colleges. All the students registered with CPC are entitled to placement assistance and counselling for employment. CPC acts as an interface between industry and the students in selecting their career options.

## **NATIONAL CADET CORPS**

During the year 2009-10, 27,904 Boy Cadets and 9854 Girl Cadets from various schools and colleges joined the NCC's three wings-Army, Navy and Air Force-in both the Senior and Junior Divisions.

Specialized training was imparted to the Girl Cadets in Armed Forces, Map Reading, Field Craft and Battle Craft, Military History, Home Nursing, Obstacle Training, Self Defence, First Aid and Home Nursing and Posture Training.

## **INTERNATIONAL GUEST HOUSE**

Special catering arrangements (lunch/dinner/high tea) were provided to 724 bookings during the said period on account of Conferences/Seminars/Meetings, etc.

During this period, 1673 guests were provided accommodation and mess facilities.

## **AMBEDKAR-GANGULY STUDENT'S HOUSE FOR WOMEN**

The hostel organized talks, screening of a documentary film on the life of J. Krishnamurthy and a Yes+ course conducted by the Art of Living Foundation.

The hostel has been celebrating all important national and cultural festivals with the participation of all residents and functionaries.

The Annual function of the hostel was celebrated on 6 March 2010 with pomp and show.

## **D.S. KOTHARI HOSTEL**

National day and other festivals were celebrated to familiarize the residents with the culture of national and international students.

The Annual function 'AAHANG-2010' was successfully organized.

Solar panels have been installed in the hostel to minimize electricity consumption and is the first step towards the development of a green campus.

## **GEETANJALI HOSTEL**

Painting, Creative writing, Collage, Photography and Sports competitions were held and the residents were given prizes during the Annual Day celebrations. The hostel celebrated its Annual Cultural Nite on 24 February 2010 and the Vice-Chancellor, Delhi University, graced the occasion. The residents also celebrated festivals like Christmas, Lohri and Holi with great fervour.

Residents were provided Internet access through Wi-Fi and connectivity has been improved by installing more Access Points.

## **WUS UNIVERSITY HOSTEL**

The WUS University Hostel with a capacity of 18 rooms, is the residence for post-doctoral women researchers, teachers of the University and visiting teachers. The hostel was taken over by the University from the World University Services in 1990.

The residents celebrated various festivals like Diwali, Christmas and New Year's day.

## **MEGHDOOT HOSTEL**

The hostel saw a number of activities and additions to its facilities during the year. The hostel has been celebrating all important national and cultural festivals with the participation of all residents and functionaries.

## **MANSAROWAR HOSTEL**

The Mansarowar hostel is a postgraduate hostel for men with the capacity to accommodate 167 residents coming from various parts of India for higher studies in Delhi University.

Various cultural activities were held in the hostel. Independence Day, Dussehra, Diwali and Republic Day were celebrated with gaiety and enthusiasm.

## **NORTH EASTERN STUDENTS' HOUSE FOR WOMEN**

There are 100 rooms and one guest room in the North Eastern Students' House for Women, of which 70 per cent seats are reserved for students from seven states of the north-east region, and 30 per cent seats are open for students from other states. The hostel has been celebrating all important national and cultural festivals with the participation of all residents and functionaries.

A Spic Macay event was organized on 6 November 2009. Ustad R. Fahimuddin Dagar performed before a large audience.

Sports day was celebrated jointly by the three hostels (NESHW, AGSHW and ISHW).

## **V.K.R.V. RAO HOSTEL**

All the national days and festivals were celebrated to familiarize the residents with the culture of national and international students.

A cultural evening was organized on 13 March 2010 in the hostel premise.

## **INTERNATIONAL STUDENTS HOUSE**

The International Students' House was set up in 1964 by the Indian Council for Cultural Relations, Ministry of External Affairs, for foreign students and Indian postgraduate students in a ratio of 80:20. There are 98 rooms and all are single seated. Due to of its international nature, ISH occupies a special position in the hostel system of Delhi University.

All the national days and festivals were celebrated to familiarize the residents with the culture of national and international students.

The Annual day function of the hostel 'La Fiesta 2010' was held on 13 March 2010.

Various renovation work in the hostel have been completed.



## **INTERNATIONAL STUDENTS HOUSE FOR WOMEN**

The multinational and multicultural character of the International Students' House for Women is central to all the activities organized by the House. Generally, the residents celebrate the main festivals and important national occasions in the spirit of harmony and friendship with a sense of solidarity. The focus is on Unity in Diversity.

The following additional facilities were made available for the residents:

Library equipped with additional books 23 nos for general reference

Wi Fi lab was started for the use of House residents.

The hostel has been celebrating all important national and cultural festivals with the participation of all residents and functionaries.

The Annual Guest Night function was organized on 27 February 2010 under the theme 'Satrangi Sanskriti' – A Cultural Rainbow.

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# DEPARTMENTS



# FACULTY OF ARTS

## ARABIC

### Major Activities

The Department of Arabic has its own rich departmental library comprising important books on Arabic literature spanning from the classical up to the modern period.

The Department has been successfully organizing a National Seminar every year for the last one decade on diverse untouched topics to explore unbeaten paths in the realm of literature and criticism.

### Ph.D./M.Phil. Degrees awarded

Ph.D.	-	2
M.Phil.	-	3

### Seminar held

National Seminar on Biographical Literature in Arabic and Urdu in India was organized by the Department of Arabic, Delhi University, 8-9 March 2010.

### Seminars/Conferences attended

**Prof. M.N. Khan:** National Seminar on 'Contribution of Kashmir to Arabic Language and Literature', P.G. Department of Arabic, University of Kashmir, Srinagar, 18-20 November 2009.

National Seminar on 'Arts of Translation and Editing: Problems and Solutions', Rampur Raza Library, Rampur, UP, 22-23 December 2009.

National Seminar on 'Cultural, Literary and Linguistic Mutuality between Yemen and India', Department of Arabic, The English and Foreign Languages University, Hyderabad, 25-27 February 2010.

National Seminar on 'The Andalusian Arabic Literature Conference', Department of Arabic, Aligarh Muslim University, Aligarh, 24-26 March 2010.

Conference-cum-Round Table Discussions on 'Persian and Arabic Manuscripts in India', Indira Gandhi National Arts Centre, New Delhi, 29-31 March 2010.

**Dr. Wali Akhtar:** National Seminar on 'Maulana Sanaullah Amratsari and his contribution to the commentary of the Holy Quran', Department of Arabic, University of Kashmir, Jammu & Kashmir, 18-19 November 2009.

National Seminar on 'Abu Mahfooz Karim al-Masoomi: A scholar', Jamia Millia Islamia, New Delhi, 16-17 February 2010.

Conference on 'Ratha al-Dual wa al-Mudun Fi al-Shair al-Andalusi', Department of Arabic, Aligarh Muslim University, Aligarh, 24-26 March 2010.

**Dr. Naimul Hasan:** Paper presented on the topic 'Madrassa Curriculum', All India National Level Seminar on 'Need for Primary level Curriculum in Madarsa Education System', Nalanda Society, SSK, Lucknow, 21 November 2009.

Delivered a lecture on 'Lesson planning', All India Workshop on 'Strengthening of Human Values through Education' Hamdard Education Society, Talimabad, Hamdard Nagar, New Delhi, 2-11 February 2010.

National Seminar on 'Biographical Literature in Arabic and Urdu in India', Department of Arabic, Delhi University, 8-9 March 2010.

Paper presented on 'Nawab Siddiq Hasan Khan and his contribution to the Arabic Literature', All India National Seminar on Indo-Arab Literature, Jamia Millia Islamia, New Delhi, 16-17 March 2010.

Presented a paper entitled 'Ibn-Shohaid-His Literary Style in his book al-Tawabay wal Zawa bay', All India National Seminar on 'Arabs in Spain: Historical and literary perspectives', Department of Arabic, Aligarh Muslim University, Aligarh, 24-26 March 2010.

### **Publications**

**Akhtar, W. 2009.** 'Contribution of Kamil Kilani to the Arabic novel and drama', *Muslim University Academic Journal*, University Publication Division, Aligarh Muslim University, Aligarh.

**Khan, M.N. et al. 2010.** *Minahâj al-Taʿlîm al-Thânwî* (A Textbook for Arabic (Class IX), (1<sup>st</sup> edn). New Delhi: CBSE.

**Hasan, N. 2009.** 'Contribution of Ayesha Abdur Rahman to the Arabic literature', *Muslim University Academic Journal*, University Publication Division, Aligarh Muslim University, Aligarh.

## **BUDDHIST STUDIES**

### **Major Activities**

The major thrust areas of the Department are Pâli and Pâli based, that is, Theravâda Buddhism, Mahâyâna Buddhism and Bioethics and its history, Animal rights in Buddhism, Encyclopedia of Abhidhamma Term and Geography of Indian Buddhism, Socially Engaged Buddhism and Buddhist Philosophy.

### **Ph.D./M.Phil. Degrees awarded**

Ph.D.	-	35
M.Phil.	-	16

*Programmes taken up involving Inter-institutional Collaboration*

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
For Improvement of Infrastructure for Humanities and Social Sciences.	Prof. K.T.S. Sarao	UGC
Department under Special Assistance Programme (SAP III).	Prof. Bhikshu Satyapala	UGC

**Honours/Distinctions**

**Prof. Bhikshu Satyapala:** Conferred Doctor of Human Letters, Honoris Causa Citatio by HOC VIEN PHAT GIAO, Vietnam Buddhist University, TAI THANH PHO HO Chi Minh for his academic and religious services, 8 September 2009.

**Seminars/Conferences held**

International Seminar on 'Buddhism and Globalization' at Old Convocation Hall, Delhi University, 17-19 February 2010.

A special Lecture Seminar by D.K. Chakraborty, Professor Emeritus, Cambridge University, UK, on 'The Study of India's Ancient Past' conducted by the Department of Buddhist Studies, 10 October 2009.

A special Lecture Seminar by D.K. Chakraborty, Professor Emeritus, Cambridge University, UK, on 'Problems Related to the Archaeology of Buddhism' conducted by the Department of Buddhist Studies, 11 October 2009.

A special Lecture Seminar by Prof. S.K. Pathak Former Head, Indo-Tibetan Department, Visva Bharati, and Expert of Tibetan Language and Literature, Pali Language and Literature, on the topics 'Intercontinental Buddhist Thought', 'Buddhist Thought spread in the Federal State of Australia', 'Further Westward March of Buddhist Thought in the Last Couple of Centuries', 'Multiple folds in Buddhist Thoughts by Cross Cultural Negotiations' and 'Engagements and Applications of Buddhist Thought', 15-19 March 2010; 'Buddhist Thought spread in the Federal State of Australia', 16 March 2010; 'Further Westward March of Buddhist Thought in the Last Couple of Centuries', 17 March 2010; 'Multiple folds by Cross Cultural Negotiations', 18 March 2010 and 'Engagements and Application of Buddhist Thought', 19 March 2010, conducted by the Department of Buddhist Studies.

**Seminars/Conferences attended**

**Prof. K.T.S. Sarao:** Presented a paper entitled 'The Concept of Ecology and Eco-Culture in India' at the Second International Conference on Asian Eco-culture, organized by the Ministry of Culture, Sports and Tourism, Government of the Republic of Korea, Seoul, 14-17 October 2009.

Presented a paper entitled 'Modern Society, Consumer Economics, and Buddhism' at the Third International Lay Buddhists' Forum, organized by the Kuching Buddhist Society, Kuching, Sarawak, Malaysia, 18-22 December 2009.

Chaired a session and presented a paper entitled 'Initial Encounters between Buddhism and Islam in Pakistan' at the First International Seminar on 'Peaceful Co-Existence in Islam and Indian Religions', organized by the Al Mustafa International University (Iran), New Delhi, 6-7 March 2010.

Chaired a session and presented a paper entitled 'Tantra and Decline of Buddhism' at the International Seminar on Pali, organized by Rashtriya Sanskrit Sansthan, New Delhi, 22-24 September 2009.

Presented a paper entitled 'Bharukaccha, Dvaravati, and Sihapura: Three Important Cities of Gujarat as Known in Early Indian Buddhism' at the International Seminar on 'Buddhist Heritage', organized by the Department of Archaeology, M.S. University of Baroda, and the Government of Gujarat, Vadodara, 15-17 January 2010.

Chaired a session and presented a paper entitled 'Initial Encounters between Buddhism and Islam in India: An Examination of Conversions to Islam during the Eighth Century' at the Three-Day International Seminar on 'Intercultural and Interreligious Dialogue Specially in Buddhism, Hinduism and Islam: The India, Iran, Afghanistan, South East Asia and Central Context', organized by the Department of Persian, Guwahati University, Guwahati, Assam, 4-6 February 2010.

Chaired a session and presented a paper entitled 'An Evaluation of Faxian, Xuanzang, Yijing, Hye Ch'o, and Zhao Rugua as Sources on the Decline of Buddhism in India' at the International Conference on Buddhism in East Asia, organized by the Department of East Asian Studies, 12-13 February 2010.

Chaired a session and presented a paper entitled 'Buddhist Response to Globalization' at the International Seminar on 'Buddhism and Globalization', organized by the Department of Buddhist Studies, 17-19 February 2010.

Presented a paper entitled 'Dissent and Protest in Early Indian Buddhism with Special Reference to Devadatta' at the International Conference on 'Devotion and Dissent in Indian History', organized by the Centre for Historical Studies, School of Social Sciences, J.N.U, New Delhi, 11-13 March 2010.

Presented a paper entitled 'Xuanzang to Akbar: An Examination of the Decline of Buddhism in the Kashmir Valley', National Seminar on 'The Contribution of Kashmir to Buddhist Thought and Religion', organized by the Institute of Kashmir Studies, University of Kashmir, in collaboration with the Central Institute of Buddhist Studies, Choglamsar, Leh (Ladakh), 14-16 September 2009.

Presented a paper entitled 'Research Methodology in Buddhist Studies' at the Ninth Conference of the Indian Society of Buddhist Studies, University of Kashmir, Srinagar, 5-7 October 2009.



**Dr. Subhra Barua Pavagadhi:** Presented a paper entitled 'Dipa Ma: Mother of Light' at the *Eleventh Sakyadita International Conference on Buddhism Women*, Ho Chi Minh City, Vietnam, 28 December 2009–3 January 2010.

Presented a paper entitled 'Application of Buddhist Concept of (Metta Loving) Kindness in present World Order' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

Attended International Conference on Buddhism in East Asia, organized by the Department of East Asian Studies, Delhi University, 12-13 February 2010.

Attended International Seminar on Pali on the theme 'Universal Message of Buddhism with Special Reference to Pali Literature', organized by Rashtriya Sanskrit Sansthan, New Delhi, 22-24 September 2009.

Attended International *Conference on Exploring Tibet's History and Culture*, Delhi University, 19-21 November 2009.

Attended IV IASR National Conference on Morality and Religion: Exploring Their Relationship, organized by the Indian Association for the Study of Religions, in association with the Department of Philosophy, Delhi University, 29-30 January 2010.

**Dr. Subhra Barua Pavagadhi, Dr. Balmiki Prasad and Dr. Kalsang Wangmo:** Attended National Seminar on 'Contributions of Mahapandit Rahul Sankrityayan Towards Studies in Pali Literature and Buddhist Philosophy', organized by Mahapandit Rahul Sankrityayan Pratishthan, Delhi, and sponsored by Rashtriya Sanskrit Sansthan, 21 November 2009.

**Dr. Arvind Kumar Singh:** Presented a paper at an International Buddhist Conference on the United Nations Day of Vesak on 'Environmental Concern and Asoka's Dhamma Policy: Its Relevance in the Modern World' at the Buddhamonthon Auditorium, Buddhamonthon, Nakhon Pathom, Mahachulalongkornrajavidyalaya University, Main Campus, Wang Noi, Ayutthaya, and United Nations Conference Centre, Bangkok, Thailand, 4-7 May 2009.

Presented a paper entitled 'Economic Crisis and Buddhism: An Appraisal' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies, Delhi University, and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

Attended International Conference on 'Buddhism in East Asia: Traditions, Changes and Challenges', organized by the Department of East Asian Studies, Convention Centre, Delhi University, 12-13 February 2010.

Presented a paper entitled 'Devadatta and Buddhism: A Re-Examination' at the International Seminar on Pali on the theme 'Universal Message of Buddhism with Special Reference to Pali Literature', organized by Rashtriya Sanskrit Sansthan, New Delhi, 22-24 September 2009.

Attended National Workshop on Kumarajiva at International Guest House, Delhi University, organized by K.J. Somaiya Centre for Buddhist Studies in collaboration with the Department of East Asian Studies, Delhi University, 11 March 2010.

Presented a paper 'Buddhist Morality' at IV IASR National Conference on 'Morality and Religion: Exploring Their Relationship', organized by Indian Association for the Study of Religions in association with the Department of Philosophy, Delhi University, 29-30 January 2010.

Presented a paper 'Dissent in Early Buddhism with Special Reference to Devadatta', IX Annual Conference of Indian Society for Buddhist Studies at University of Kashmir, Srinagar, 5-7 October 2009.

**Dr. Purushottam Kumar Singh Rana:** Attended VI United Nations Day of Vesak Celebration Workshop on Common Buddhist Texts, organized by MCU, Wang Noi, Campus, Bangkok, Thailand, 3-6 May 2009.

Attended International Seminar on 'Buddhism and Mind Sciences', organized by the College of Religious Studies, Mahidol University, Thailand, 6-7 August 2009.

Presented a paper entitled 'Buddhist Economy and Modern System' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

**Dr. H.P. Gangnegi:** Presented a paper 'Buddhist Response to Global Warming' at the *International Seminar on 'Buddhism and Globalization'*, 17-19 February 2010.

Organizing Member of the *International Conference on 'Exploring Tibet's History and Culture'*, Delhi University, 19-21 November 2009.

'The concept of Shunyata according to the Madhyamika tradition of Buddhism', presented paper at the National Workshop on 'Intergrating mathematical science and spirituality', Management Studies, Delhi University, 21-23 December 2009.

Presented a paper entitled 'The Shilpa-Vidya and Development of Kashmiri Art' at the National Seminar on 'Panchamahavidya (Five Branches of Buddhist Sciences)', Central Institute of Buddhist Studies, Choglamsar, Leh, Ladakh, 15-17 June 2009.

**Dr. R.K. Rana:** Presented a paper entitled 'Buddhist Response towards Global Warming' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

Attended *International Conference on 'Exploring Tibet's History and Culture'*, Delhi University, 19-21 November 2009.

**Dr. Lalan Kumar Jha:** Presented a paper entitled 'Niyata, Niti and Nirapesat: An Appraisal of the Buddhist Economy in the Age of Globalization' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

Presented a paper entitled 'A Buddhist Approach to Mutual co-existence' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

**Dr. Siyaram Mishra Haldhar:** Presented a paper entitled 'A study of Buddhist view of Economics as reflected in Buddhist texts' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

Attended International Conference on Buddhism in East Asia, organized by the Department of East Asian Studies, Delhi University, 12-13 February 2010.

Presented a paper 'Buddhist concept of Peace' at 2nd International World Peace Conference on UN Day, Ujjain, 21 September 2009.

Presented a paper 'Review of Buddhist Historiography' at International Seminar at Vigyan Bhavan organized by Rashtriya Sanskrit Sansthan, New Delhi, 23 September 2009.

Attended International Seminar organized by the School of Historical Study on Discent in Indian History.

Attended IV IASR National Conference on 'Morality and Religion Exploring their Relationships', 30 January 2010.

Presented a paper 'Trail of Foot Prints of Lord Buddha at Uruvella' at ISBS Conference, Srinagar, University of Kashmir, October 2009.

Review of Theory of Paticca Samuppada in a National Workshop organized by the Faculty of Management Studies and Department of Mathematics, Delhi University.

**Dr. Chandra Shekhar Paswan:** Presented a paper 'Buddhist Perspectives on Care for environment in the age of Globalisation', International Seminar on 'Buddhism and Globalization', Delhi, Department of Buddhist Studies, Delhi University, in collaboration with ICCR, India, 17-19 February 2010.

Attended National Seminar organized by Indian History Congress, 17-19 February 2010.

**Dr. Jagbir Singh:** Presented a paper 'Preservation of Natural Resources in Buddhist Perspective' at the International Seminar on 'Buddhism and Globalization', Department of Buddhist Studies, Delhi University, in collaboration with ICCR, 17-19 February 2010.

'Introduction of Buddhism in China', presented a paper at IX Annual Conference of Indian Society for Buddhist Studies, Srinagar, University of Kashmir, 5-7 October 2009.

Attended IV National Conference of Indian Association for the Study of Religions on the topic 'Morality and Religion: Exploring their Relationship', Department of Philosophy, Delhi University, 29-30 January 2010.

**Dr. Krishna Murari:** Presented a paper 'Global Bio-ethical issues and Buddhism' at the International Seminar on 'Buddhism and Globalization', Department of Buddhist Studies, Delhi University, in collaboration with ICCR, 17-19 February 2010.

Attended International Conference on 'Buddhism in East Asia: Traditions, Changes and Challenges', Department of East Asian Studies, Delhi University, in collaboration with ICCR, 29-30 January 2010.

Presented a paper 'Buddhist Attitude Towards War and Peace' at International Seminar on 'Relevance of Buddhism in Human Welfare, Peace and Happiness', Dau Dayal Mahila (P.G.) College, Firozabad, 9-10 May 2009.

Presented a paper 'Democratic Elements in Early Indian Buddhism' at IX Annual Conference of Indian Society for Buddhist Studies, Srinagar, University of Kashmir, 5-7 October 2009.

**Dr. Balmiki Prasad:** Presented a paper entitled 'Concept of Globalization through Eightfold Path (Specially on Right Livelihood)' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

Attended International Conference on 'Buddhism in East Asia: Traditions, Changes and Challenges', organized by the Department of East Asian Studies, Delhi University, Convention Centre, Delhi University, 12-13 February 2010.

Attended Workshop on 'Research Methodology' organized by the MHRD, Government of India, and Delhi University, 27 January-6 February 2010.

Presented a paper on 'Dasasikkhapada Mein Pratipadita Naitikta Aur Vyavaharikta' at the National Seminar on 'Baudha Dharma Darshan Ki Prasangikta', organized by SRS Mahila College, Bareilly, UP, 24-25 January 2010.

**Dr. Kalsang Wangmo:** Presented a paper entitled 'Buddhism and Globalization' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies, Delhi University, and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

Attended International Conference on 'Buddhism in East Asia: Traditions, Changes and Challenges', organized by the Department of East Asian Studies, Convention Centre, Delhi University, 12-13 February 2010.

Attended International Workshop on 'Editing Buddhist Sanskrit Texts', organized by the Central University of Tibetan Studies, Sarnath, (UP), 13-15 January 2010.

Attended International Seminar on Pali on the theme 'Universal Message of Buddhism with Special Reference to Pali Literature', organized by Rashtriya Sanskrit Sansthan, New Delhi, 22-24 September 2009.

Attended International *Conference on Exploring Tibet's History and Culture*, Delhi University, 19-21 November 2009.

**Dr. Veena Gaur:** Presented a paper entitled 'Baudh Dharma Mein Mahakaruna: Viswa Dharma Ke Sandharbha Mein' at the International Seminar on 'Buddhism and Globalization', jointly organized by the Department of Buddhist Studies, Delhi University, and Indian Council for Cultural Relation, Delhi, 17-19 February 2010.

Attended International Seminar in Pali on the theme 'Universal Message of Buddhism with Special Reference to Pali Literature', organized by Rashtriya Sanskrit Sansthan, New Delhi, 22-24 September 2009.

Attended IX Annual Conference of Indian Society for Buddhist Studies, University of Kashmir, Srinagar, 5-7 October 2009.

**Dr. Ram Kumar Rana:** Attended National Workshop on 'Kumarajiva' as moderator at International Guest House, Delhi University, organized by K.J. Somaiya Centre for Buddhist Studies in collaboration with the Department of East Asian Studies, Delhi University, 11 March 2010.

**Dr. Wangmo Kalsang and Dr. Veena Gaur:** Attended National Workshop on 'Kumarajiva' at International Guest House, Delhi University, organized by K.J. Somaiya Centre for Buddhist Studies in collaboration with the Department of East Asian Studies, 11 March 2010.

Attended IV IASR National Conference on 'Morality and Religion: Exploring Their Relationship', organized by Indian Association for the Study of Religions in association with the Department of Philosophy, 29-30 January 2010.

**Dr. Lalan Kumar Jha:** 'Some Ethical Aspects of Theravada Buddhism', presented a paper at the 4th IASR National Conference on 'Morality and Religion: Exploring Their Relationship', organized by Indian Association for the Study of Religions in association with the Department of Philosophy, 29-30 January 2010.

## **Publications**

### **Books**

**Sarao, K.T.S. 2009.** *Pilgrimage to Kailash: The Indian Route.* Delhi: Aryan Books International (ISBN 978-81-7305-368-9).

**2009.** *The Dhammapada: A Translator's Guide.* New Delhi: Munshiram Manoharlal (ISBN 978-81-215-1201-5).

**2010.** *The Origin and Nature of Ancient Indian Buddhism,* Third rev. ed. New Delhi: Munshiram Manoharlal (HB: ISBN 978-81-215-1211-4, PB: ISBN 978-81-215-1222-0).

**2010.** *Urban Centres and Urbanisation as Reflected in the Pali Vinaya and Sutta Pitakas,* Third rev. ed. New Delhi: Munshiram Manoharlal (HB: ISBN 978-81-215-1209-1; PB: ISBN 978-81-215-1223-7).

- Satyapala, B. (ed). 2010.** *Buddhist Studies*. Delhi: Delhi University.
- 2010.** *Buddher Darshane Dukkha Darshana*. Delhi: Buddha Triratna Mission.
- 2010.** *Pali Sahitye Candra Katha*. Delhi: Buddha Triratna Mission.
- 2009.** *Telakatahagatha*. Kolkata: New Gita Printer.
- 2009.** *Pali Khuddaka Patha* (with Bengali Translation). Delhi: Sanchi Press.
- Singh, I.N. 2010.** *An Introduction to Abhidharma Kosa Bhasyam*. Delhi: Vidyanidhi Prakashan.
- Prasad, B. (ed). 2010.** *Digha Nikaya* (Hindi Translation). Delhi: Samyak Prakshan.
- Research Articles in Books or Scholarly Journal***
- Sarao, K.T.S. 2009.** 'Buddhist Economics: Where People not Goods Matter', in Andea Loseries (ed), *Buddhism and Its Social Significance for Asian World*, Santiniketan: Centre for Buddhist Studies, Visva-Bharati, (ISBN 81-90821-25-3), pp. 129-41.
- 2009.** 'The Concept of Ecology and Eco-Culture in India,' in Yu In-Chon (ed), *Asian Eco-culture*, Ministry of Culture, Sports and Tourism, Government of Republic of Korea, Seoul, (ISBN 978-89-7820-272-5), pp. 262-76.
- 2010.** 'Pusyamitra Sunga did not Persecute the Buddhists', in Steven L. Danver (ed), *Popular Controversies in World History*. Santa Barbara, CA: ABC-CLIO, 2010 (ISBN 1-59884-079-7).
- 2010.** 'The Buddha Lived other Dates', in Steven L. Danver (ed), *Popular Controversies in World History*. Santa Barbara, CA: ABC-CLIO, 2010 (ISBN 1-59884-079-7).
2010. 'Tantra and Decline of Buddhism', in Radhavallabh Tripathi (ed), *Universal Message of Buddhist Tradition (With Special Reference to Pali Literature)*. New Delhi: Rashtriya Sanskrit Sansthan, nd: 92-105.
- Satyapala, B. 2010.** 'The Tradition of Sangiti and the Pali Literature' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala, pp. 46-50. Delhi: Delhi University.
- Pavagadhi, S.B. 2010.** 'A Short Appraisal of the Effectiveness of the Councils in Preserving the Sadhamma' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala, pp. 41-45. Delhi: Delhi University.
- Rana, R.R. 2010.** 'Royal Patronage and Buddhist Councils' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala, pp. 46-50. Delhi: Delhi University.
- Singh, A.K. 2010.** 'The First Buddhist Council as Depicted in Different Accounts' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala, pp. 132-49. Delhi: Delhi University.
- trans. 2010.** 'Glorious History of the Department' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala, pp. iii-ix. Delhi: Delhi University.

**trans. 2010.** 'Call for Papers for National Conference on Buddhist Councils (Sangiti-): Perspectives and Prospects' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala. pp. x-xii. Delhi: Delhi University.

**trans. 2010.** 'Report on the National Seminar on Buddhist Councils (Sangiti-): Perspectives and Prospects' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala, pp. xiii-xviii. Delhi: Delhi University.

2009. 'Environmental Concern and Asoka's Dhamma Policy: Its Relevance in the Modern World' in *The Ocean of Buddhist Wisdom*, Vol. 4, (ed) Sharma, S.P. and Labh, Baidyanath. Delhi: New Bhartiya Book Corporation, pp. 382-94.

**Murari, K. 2010.** 'Nicakulas People in Buddhism as Reflected in the Pali Literature' in *Conversations in Indian History*, (ed) Sinha, A.K. and Jafri, S.Z.H. Delhi, pp. 57-65.

2009. 'Buddhism and Ecology: A Study in the Dimensions of Environmental Consciousness of a Pragmatic Faith' in *The Ocean of Buddhist Wisdom*, Vol. 4, (ed) Sharma, S.P. and Labh, B. Delhi: New Bhartiya Book Corporation, pp. 148-57.

**Haldhar, S.M. 2010.** 'A Critical Review of Buddhist Historiography in the 19th and 20th century' published in 35, Spalding Symposium on Indian Religions, Harris Manches College, Oxford, UK.

2010. 'An Analysis of Alu Vihar Council of Sri Lanka' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala. 46-50. Delhi: Delhi University.

**Pandey, S.K. 2010.** 'The Sojourn of Dhamma: From Rajgir to Rangoon' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala. 46-50. Delhi: Delhi University.

**Prasad, B. 2010.** 'Analysis of the Dasavatthuni and Role of Venerable Yasa' in *Buddhist Studies*, Vol. 37, (ed) Bhikshu Satyapala. 46-50. Delhi: Delhi University.

**Rana, P.K.S. 2009.** 'Asianism of Ramayana, in *Journal of Academy of Cultural Studies*, Vol. 9.

## GERMANIC AND ROMANCE STUDIES

### Major Activities

Annual International Conference, on 'Improbable Plots? Making sense of contemporary popular fiction' as part of theme course for M.A./M.Phil. students on 'Improbable Plots', 4-6 March 2010.

Music Workshop for students of the Department for developing their creativity and confidence, organized by Mr. Damien Remonte, French Tutor of the Department, 29 March 2010.

Workshop on the Greek myth of Prometheus aimed at developing among participants problem-solving abilities, creativity, gesture and expressive movement, team work, language and listening skills and confidence, with Lewis Frost, a Theatre in Education Practitioner, February 2010.

Workshop on Research Methods in German Studies with Dr. Helga Esselborn, Visiting Fellow from Cologne, Germany, 23, 27, 29 and 30 January 2010.

Seminar on 'Cuban Arts and Revolution', in collaboration with Leftword Books, 11-12 November 2009.

Seminar organized by German Academic Exchange Services and Delhi University, 22-25 October 2009.

Workshop organized by Delhi University in collaboration with Freie University, Berlin, 1-9 October 2009.

### **Lectures delivered by Guest Faculty.**

Lecture on *L India nella Letteratura italiana del XX secolo* by Dr. Franco Marcoaldi, 31 March 2010.

### **M.Phil. Degrees awarded**

M.Phil. - 4

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Impact of Social Movements on Latin American literature.	Prof. Vibha Maurya	R&D
The 1857 Revolt in the German Language Press and Literature.	Prof. Shaswati Mazumdar	R&D
Italian Responses to the Indian Uprising of 1857.	Dr. Sharmistha Lahiri	R&D
Contemporary Indian Conceptions of Africa.	Prof. Kusum Aggarwal	R&D
Muslims in the Spanish Literary Imagination.	Dr. Mini Sawhney	R&D
Issue of Quality in Translation with special reference to the Hindi translation of tales of the Grimm Brothers.	Dr. M.S. Joshi	R&D
Forms of the Detective Novel in Latin America at the Department of Germanic and Romance Studies.	Dr. Vijaya Venkataraman	R&D



Spanish-Hindi Translations developing text corpus.	Dr. Maneesha Taneha	R&D
A learner profile database and online learner corpus.	Dr. Tanya Roy	R&D
An annotated translation of <i>Die siebte Kreuz (The Seventh cross)</i> by Anna Segher from German into Hindi.	Ms. Jyoti Sabharwal	R&D
Italian responses to 1857 uprising in India.	Mr. Ramesh Kumar	R&D
Exploring the Doppelgänger Motive in 19th century European literary texts with focus on German texts.	Dr. Rosy Singh	R&D

### **Honours/Distinctions**

**Prof. Vibha Maurya:** Elected by the Spanish Royal Academy as Corresponding Member in India in June 2009. She is the first Indian ever to be elected to this highest body of Spanish Language and Literature.

**Dr. Farida Irani:** Awarded le Chevalier des Palmes Académiques, a 200 year old award instituted by Napoleon Bonaparte, for her contribution to the development and promotion of French studies in India.

### **Seminars/Conferences held**

International Conference on ‘Improbable Plots? Making sense of contemporary popular fiction’, 4-6 March 2010.

International Conference on ‘Zwischen zwei Welten schwebend’/‘Hovering between two worlds (Goethe): Non-Antagonistic Relationships, Communication and Transfer between East and West in Culture and History’, jointly organized with the University of Warwick (UK) and Jawaharlal Nehru University, 24-25 January 2010.

### **Seminars/Conferences attended**

**Prof. Vibha Maurya, Prof. Shaswati Mazumdar, Dr. Kusum Aggarwal, Dr. Sharmishtha Lahiri, Dr. Minni Sawhney, Dr. M.S. Joshi, Dr. Farida Irani, Dr. Tanya Roy, Maneesha Taneja, Jyoti Sabharwal, Ramesh Kumar, Aarti Paul, Ena Panda, Rama Paul and Manmohan Singh:** International Conference on ‘Improbable Plots? Making sense of contemporary popular fiction’, Department of Germanic and Romance Studies, Delhi University, 4-6 March 2010.

**Prof. Vibha Maurya:** Presented paper on ‘Arts within the Revolution’ at Cuban Arts and Revolution, IIC, New Delhi, 11-12 November 2009.

Literatura y Sociedad, International Seminar at Ain-Shams University, Cairo, Egypt. Presented paper: 'La Sociología de los refranes en Don Quijote', February 2010.

**Prof. Shaswati Mazumdar:** Presented a paper: 'Representing the 1857 Rebellion: The poetics and politics of German popular fiction', International Conference on 'The Politics of Passion', Potsdam University, Germany. July 2009.

Presented a paper: 'Der indische Aufstand von 1857. Zur deutschsprachigen Rezeption im europäischen Kontext', a Colloquium at Freiburg Institute of Advanced Studies (FRIAS), Freiburg, Germany. 16 July 2009.

Presented a paper 'The Migrant Condition: Aspects of Contemporary Language and Literary Practices in Germany', International Conference on 'Linguistic and Literary Hybridity in Contemporary Cultures', Delhi University, October 2009.

Presented a paper 'Krise und Denormalisierung der kolonialen Ordnung. Der indische Aufstand 1857 als Medienereignis in Europa', Symposium on 'Normalität und Krise. 6. Symposium für Nachwuchswissenschaftler im Fach Germanistik', Delhi University, October 2009.

Presented a paper 'The 1857 Revolt in India in German popular fiction', International Conference on 'Zwischen zwei Welten schwebend'/'Hovering between two worlds' (Goethe): Non-Antagonistic Relationships, Communication and Transfer between East and West in Culture and History, 24-25 January 2010.

**Dr. Kusum Aggarwal:** 'Immigration, Diaspora et Identite dans Tels des astres eteints de Leonora Miano', XXIII World Congress of the Conseil mondial Edudes Francopones, New Orleans, USA, 21-28 June 2009.

'Théorie postcoloniale et le domaine français et francophone de recherche en littérature africaine: continuités et discontinuités' Les mondes postcoloniaux: relations, expressions', Montpellier, France, 26-28 November 2009.

'Retrieving XIX century Imperial Journeys in Postcolonial Times: Reflections on Amitav Ghosh's *Sea of Poppies* 2009', Departmental Seminar, Department of English Studies, University of Montpellier 3, Montpellier, France, 8 December 2009.

'Claude Lévi-Strauss: An African Perspective', Seminar on 'Re-visiting Claude Lévi-Strauss in the 21st Century', Department of English, Jamia Millia Islamia, New Delhi, 19 March 2010.

**Dr. Sharmishtha Lahiri:** Seminar on 'Cuban Arts and Revolution', Department of Germanic and Romance Studies and Leftword Books at India International Centre, New Delhi, 11-12 November 2009.

Delivered lecture on the 'Italian Responses to the Indian Rebellion of 1857', UNIC Lecture Series of the European Union, India International Centre, New Delhi, 26 April 2009.

**Dr. Minni Sawhney:** Paper presented at XIV International Congress on Morisco Studies, Tunis, 20-23 May 2009.

Presented a paper at Conference on 'Culture, Religion, Philosophy and Literature Revisited', at K.J. Somaiya Cultural and Research Institute, Mumbai, 7-10 September 2009.

**Dr. M.S. Joshi:** National Seminar on 'Teaching Literature in German as Foreign Language courses In India', Department of Foreign Languages, Literature and Culture Studies, University of Rajasthan, Jaipur, 11-12 December 2009.

Workshop cum Seminar on 'Translation from German Texts into Indian Languages', School of Germanic Studies, EFLU, Hyderabad, 1-3 March 2010.

UGC sponsored Workshop on 'New Paradigms and Applications in Educational Evaluation in Arts and Social Sciences', International College For Girls, University of Rajasthan, Jaipur, 1-3 and 12-13 March 2010.

**Dr. Vijaya Venkataraman:** Presented a paper 'Reworking popular forms: Traces of the metaphysical detective story and the feuilleton in Perez Reverte's *The Dumas Club*', International Conference on 'Improbable Plots? Making sense of contemporary popular fiction', Department of Germanic and Romance Studies, Delhi University, 4-6 March 2010.

Literatura y Sociedad, International Seminar at Ain-Shams University, Cairo, Egypt. Presented a paper 'La Sociología de los refranes en Don Quijote', February 2010.

Paper entitled 'Singing to the Revolution: The Nueva Trova in Cuba' in National Seminar on 'Cuban Arts and Revolution' organized jointly by the Department of GRS and Leftword Books, IIC, New Delhi, on 11-12 November 2009.

### **Publications**

**Aggarwal, K. 2009.** 'L'écrivain africain et la littérature-monde: l'ambition de l'universel?' *International Journal of Francophone Studies*, 12:2/3.

2009. 'Lettre à Jimmy ou les dérives d'un oiseau migrateur', Paris, *Siècle 21 Littérature et Société*, No. 15, Autumn-Winter.

2009. 'Franco-African Relations. An Overview' in *France and Africa: An Indian Perspective*, (ed) Dubey, A. Kalinga Publications.

2009. 'Les désillusions d'un africaniste: Afrique ambiguë de Georges Balandier', in *Désillusion et désenchantement dans les littératures de l'ère coloniale*. Kailash Publications.

**Joshi, M.S. 2009.** *Sujee ki kheer* (Hindi translation of German fairytale *Der süße Brei*), in *Uphaar-Chhapte Chhapte* (a well known daily Hindi newspaper of Kolkata), p. 22.

**2009.** *Bhookh* (Hindi translation of German author August Friedrich Kloth's short story *Hunger*), in *Chhapte Chhapte* (a well known daily Hindi newspaper of Kolkata), pp.10-11.

**2009.** *Dharmpitaa Yamraaj* (Hindi translation of German fairytale *Der Gevatter Tod*, in *Jan Sansar*, a weekly newspaper published from Kolkata, p.8.

**Singh, R. (ed). 2009.** *Autobiography: Fact and Fiction*. Delhi: Aryan Books International, p. 243.

## Articles

**Singh, R. 2009.** 'Kafka's Letters to Felice Bauer: A Lover's Discourse'. In *Germinal*, Vol.(5): 145-67, Delhi: Aryan Books International.

2009. 'Legacy of Cervantes', Review of Vibha Maurya and Ignacio Arellano (eds.), *Cervantes and Don Quixote* in *Jan Sansar*, No.18, Kolkata.

**Kumar, R. 2009.** Hindi Translation of the Italian fairytale *Pardon di ceci e fave* (taken from a volume collected and transcribed from various dialects by Italo Calvino) -पुसक ekfyd ('Chane Aur Matar Ka Maalik'), in *Chhapte Chhapte* (well known daily Hindi newspaper of Kolkata), pp. 19-22.

Hindi translation of Giacomo Leopardi's poem 'A Silvia', published in Hindi magazine *Utkal*, October-December 2009, pp. 98-99.

Hindi translation of Salvatore Quasimodo's poems, 'Aerone Morto' and 'Subito sera' published in Hindi magazine *Utkal*, January-March 2010, p. 51.

## LINGUISTICS

### Major Activities

The SAP of the Department was recently reviewed. The visiting committee was extremely happy with the progress and research of the Department. There is a strong likelihood of the Department becoming a Centre for Advanced Studies in Linguistics.

#### Prof. R.K. Agnihotri

**Thrust Areas:** Sociolinguistics, Applied Linguistics, Morphology and Research Methods.

**Current Focus:** Language in the Material World, two papers presented in International conferences, one paper published in a refereed international journal.

#### Prof. R.C. Sharma

**Thrust Areas:** Psycholinguistics, Neurolinguistics and philosophy of language.

**Current Focus:** Language disorders and brain and language.

#### Prof. Ravinder Gargesh

**Thrust Areas:** Stylistics, Phonology, Lexicography and Translation studies.

**Current Focus:** Lexicography.

#### Prof. Tista Bagchi

**Thrust Areas:** Semantics and cognitive science, Historical linguistics.

**Current Focus:** Intonational-illocutionary interface, syntax-semantics interface.

### **Dr. Shobha Satyanath**

**Thrust Areas:** Sociolinguistics: Language variation and change, Language contact, Sociophonetics, Socio-historical linguistics.

**Current Focus:** Dialect geography of Eastern India, Issues of ethnicity and bilingualism, Delhi English.

### **Dr. Tanmoy Bhattacharya**

**Thrust Areas:** Theoretical linguistics, Gender and language and Discourse representation theory.

**Current Focus:** Sign linguistics, Cognitive linguistics.

### **Dr. Pradeep Kumar Das**

**Thrust Areas:** Theoretical linguistics, Generative morphology, Typology and lexicography.

**Current Focus:** A fresh look at Bhojpuri agreement; Form and function of complex predicates.

### **Dr. Gail Coelho**

**Thrust Areas:** Language documentation. Discourse analysis and Phonology.

**Current Focus:** Ongoing research carried out on Betta Kurumba, a tribal language of the Nilgiris district, Tamil Nadu, Visit to a tribal village in Koraput district, Orissa, to assess language endangerment situation.

### **Ms. Mamta**

**Thrust Area:** Psycholinguistics.

### **Ph.D./M.Phil. Degrees awarded**

Ph.D.	-	2
M.Phil.	-	8

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Girl child education in Madhya Pradesh.	Prof. R.K. Agnihotri Prof. Sadhna Saxena	UNICEF, Bhopal
Review of Eklavya, Bhopal.	Prof. R.K. Agnihotri	ICICI, Mumbai
Linguistics Workbook.	Dr. Tanmoy Bhattacharya	Vidya Bhawan Educational Resource Centre, Udaipur
Introduction to linguistics for Foreign language learners.	Dr. Pradeep Kumar Das	Institute of South Asian Studies, HUFs, Korea

*Programmes taken up involving Inter-institutional Collaboration:*

**Dr. Tanmoy Bhattacharya:** 4th Linguistics Summer School, Central Institute of Indian Languages, Mysore, in the Indian mountains.

**Dr. Pradeep K. Das:** Sketching a detailed and elaborate work-plan to show the use of computer for Sanskrit and Vedic literature (for the purpose of computing, collating and preserving texts), Lal Bahadur Sanskrit Vidyapith, New Delhi.

### **Appointment of faculty members to higher Posts/Assignments**

**Dr. Tanmoy Bhattacharya:** Member of Committee on 'Protection and Preservation of Indigenous Knowledge and Endangered Languages', Ministry of Human Resource Development.

**Dr. Gail Coelho:** Appointed Research Fellow at Central Institute of Indian Languages, Ministry of Human Resource Development, Mysore.

### **Honours/Distinctions**

**Prof. R.K. Agnihotri:** Chairperson, National Focus Group on the Teaching of Indian Languages (NCERT, MHRD); Chairperson, NCERT Committee on the Syllabus of Languages; Chief Advisor, Sir Ratan Tata Feedback Study on the SCERT Delhi books and Chairperson, NCERT Source Book for Teachers Committee.

Member, Advisory Board, Indian Statistical Institute, Calcutta; Member, Eklavya, Bhopal, Member Patron, Forum for the Teachers of English Language and Literature; Patron and Member, Advisory Board, Forum for the Teachers of English Language and Literature.

MHRD nominee on NCERT Committee.

**Prof. R.C. Sharma:** Member of the Board of Studies at Kashmir University, Banaras Hindu University, Vanasthali University; Member of the Faculty of Humanities of Vanasthali University and Member, Advisory Board, of the *Interdisciplinary Journal of Linguistics*.

**Prof. Ravinder Gargesh:** Appointed to the Editorial Board of *Korean-Hindi Dictionary*, Hankuk University of Foreign Studies, Seoul, South Korea; Member, Compilation and Editorial team for *Persian-Hindi-Urdu-English Dictionary*, Iran Culture House of the Islamic Republic of Iran, Delhi and Member of the Editorial Board of the *Journal of World Englishes*.

**Prof. Tista Bagchi:** Member, Advisory Board, Bhasha Research and Publications Group, Vadodara, and its co-affiliate Adivasi Akademi, Tejgadh, Gujarat; Member, Academic Council, The English and Foreign Languages University, Hyderabad; Member, Academic Council, Sikkim University, Gangtok; Member, Academic Council, Central University of Rajasthan, Jaipur, and Member Academic Council, H.N. Bahuguna Central University of Garhwal, Srinagar, Uttarakhand.

**Dr. Shobha Satyanath:** Appointed Member, Editorial Board, John Benjamins Creole Language Library Series; Founder member of NWAV Asia-Pacific; Member, Advisory Board of the National Project Committee. Linguistic Data Consortium; Consultant and Member, Project Drafting Committee. New Linguistic Survey of India project.

**Dr. Tanmoy Bhattacharya:** Appointed Honorary Research Associate at the School of Languages and Culture, SOAS, University of London.

Member of the Linguistic Survey of India Committee of MHRD; Member of the Exam Council of Osmania University and Member of the Expert Council of Deccan College, Pune University.

**Dr. Pradeep Kumar Das:** Invited Subject Expert for the fellowship FLTA, Programme of Fulbright at USEFI, New Delhi; Member, Examination Council in IP University, Kashmiri Gate, Delhi; Member of LSI Committee of MHRD; Member Examination Council of BHU, Varanasi; Member, Examination Council of Kendriya Hindi Sansthan, Agra; Member, Examination Council of Mahatma Gandhi Antarastriya Hindi Vishwavidyalaya, Wardha, Maharashtra; Member of review committee of international journal of HUFSS, South Korea; Member of review committee of journal of South Asian Institute, HUFSS, South Korea and Member of review committee of ITL *International Journal of Applied Linguistics* (ISSN 0019-0829).

#### **Seminars/Conferences held**

**Dr. Tanmoy Bhattacharya:** Organized the IV Linguistics Summer School in the Indian Mountains, Kausani, 13-30 June 2009.

#### **Seminars/Conferences attended**

**Prof. R.K. Agnihotri:** Participated in 'Voices from the Margins: Multilinguality, Music and Mathematics'.

Presented paper at the International Seminar on 'Language, Mathematics, Music and Society'. Vidya Bhawan Society, Udaipur, Rajasthan, 26-28 February 2010.

**Prof. R.C. Sharma:** Participated in 'Brain-language relationship and language disorders', Banaras Hindu University, 19 February 2010.

'Contemporary neurolinguistics', Banaras Hindu University, 20 February 2010.

'Issues and trends in brain-language study', Banaras Hindu University, 22 February 2010.

'Contemporary neurolinguistic issues', Deccan College Deemed University, 17 March 2010.

**Prof. Ravinder Gargesh:** Participated in 'Stylistic analysis of Agyeya's poem 'sa:~s ka:putla:'. Presented paper at the Annual Conference of the Korean Association of Indian Studies, Hankuk Universities of Foreign Studies, Seoul, 17 December 2009.

Presented paper 'The Teaching of English in India and the need for Computer Assisted Language Teaching' at the International Conference on Prospects of Cyber Language Education, Institute of Foreign Language Education, HUFs, and Cyber Hankook University of Foreign Studies, Seoul, 12 October 2009.

Presented paper 'A Semiolinguistic Analysis of Sadhu Ishar Das's 'Baaraa maah'. in absentia at the XXVIII South Asian Languages Analysis (SALA) Roundtable, Department of Linguistics and Technical Communication, University of North Texas, Denton, 9 October 2009.

Presented paper 'Dimensions of English Language Teaching and Learning in India' at the VII Asia TEFL Conference on 'Collaboration and Creativity in English Language Teaching and Learning in Asia', Imperial Queen's Park Hotel, Bangkok, Thailand, 7 August 2009.

Presented paper 'Some aspects of a Linguistic and Stylistic Perspective of Deccani' at the International Seminar on 'Deccani: A Common Foundation of Urdu and Hindi', Ilmi Majlis and The Nehru Centre, London, 24 July 2009.

**Prof. Tista Bagchi:** Delivered a Plenary Lecture entitled 'Revisiting the notion of the *Stammbaum*', SALA XXVIII, University of North Texas, Denton, USA, 9-11 October 2009.

Participated actively as a special invitee of the Canadian and Indian co-organizers ICPR-sponsored International Seminar on 'I, We, and the Other: Moral Evaluation', Department of Philosophy, 16-18 February 2010.

**Dr. Shobha Satyanath:** Participated in International Congress of Bengal Studies 'Landscaping Bengali through time and space', 25 February 2010.

'Sibilants and glottal spirants across Assamese dialects'. NEILS. Latrobe University and Guwahati University, Assam, 11 February 2010.

**Dr. Tanmoy Bhattacharya:** Participated in Pseudo-Agree azt ICOSAL 9, Punjabi University, Patiala, 7-9 January 2010.

'Analysing Variation with Minimalism: Tense and Agreement in Rajbanshi' (jointly with Dripta Piplai), ICOSAL 9, Punjabi University, Patiala, 7-9 January 2010.

International Bangla Congress, Invited Chair for session on Linguistics, Punjabi University, Patiala, 26-27 February 2010.

'Future of the EOC', Anniversary of the DU-NTPC ICT Training Centre, Delhi University, 20 October 2009.

'EOC: Vision and Future', All India Federation for Right to Education Act, EOC, Delhi University, 7-8 November 2009.

'Deaf Education and Mainstreaming, Disability and the RTE: Stakeholders, State and Civil Society', Sambhavana, Delhi University, 2 December 2009.



'Cartography of Disciplines De-centring Knowledge, Literature, Art and Other Disciplines: Interrelationships', MIL, Delhi University, 25 March 2010.

Chair and module leader for 'Issues of Embodiment' and 'Disability and Sexuality'. 'Disability and Gender: A Workshop', organized by IAWS and EOC, Delhi University, 27-28 March 2010.

**Dr. Pradeep Kumar Das:** Participated in International Conference organized by the ISAS, HUFS, South Korea, May 2009.

International Seminar, Global Association of Indo-Asean Studies, Daejeon, South Korea, June 2009.

International Seminar on 'Endangered Languages in India', INTACH, Delhi, October 2009.

International Seminar on 'Language Archiving in the XXI Century', Jawaharlal Nehru University, New Delhi, October 2009.

Workshop on 'Theories and Methodologies of Translation', organized by the Department of East Asian Studies, Delhi University, February 2010.

**Dr. Gail Coelho:** Invited to present a paper 'Prevention is better than cure: The case of 'small', but still thriving, languages', International Seminar on 'Endangered Languages in India', INTACH, Delhi, October 2009.

Conducted a workshop on text analysis, which included a paper presentation 'Elicitation strategies: texts first or sentences first?', International Seminar on 'Language Archiving in the 21st Century', JNU, New Delhi, October 2009.

### **Publications**

**Agnihotri, R.K. (ed). 2010.** *Knowledge, Language and Learning*. New Delhi: Macmillan (in collaboration with Dewan, H.K.).

**Das, P.K. 2009.** 'The present status and future prospects of Computational linguistics in India' in the International Conference on 'Research Trends in Indian Studies in the 21st Century', organized by The Institute of South Asian Studies at Hankuk University of Foreign Studies, South Korea.

Invited speaker. 'The Form and Function of Conjunct Verb Construction in Hindi' in Global Association of Indo-Asean Studies, Daejeon, South Korea.

### **Papers**

**Agnihotri, R.K. 2010.** (ed) 'Language in the Material World: Multilinguality in Signage'. *International Multilingual Research Journal*, 4.1: 55-81 (with Kay McCormick).

**Sharma, R.C. 2009.** 'Brain evolution and language: Reflections on some issues', *Interdisciplinary Journal of Linguistics*, Vol. 2, pp. 19-40.

- Gargesh, R. 2009.** 'Labio-Velars and Palatals: Coarticulation in a Historical Perspective'. *Journal of South Asian Studies*, Vol. 15-2: 315-29.
- Bagchi, T. 2009.** 'A reflective polyglot: Sir William Jones and his contributions to linguistic studies'. *Journal of the Asiatic Society*, Vol. 51-1: 17-32.
- 2009.** (Tista Bagchi and Pangersenla) 'Respecting the 'other': Binding and the benefactive marker in Ao Mongsen'. *Indian Linguistics*, Vol. 70(1-4): 47-54.
- 2010.** 'The construction of knowledge as an interactive endeavour'. In *Knowledge, Language and Learning*, (eds) Agnihotri, R.K. and Dewan, H.K. Delhi: Macmillan, pp. 11-22.
- Satyanath, S. and Nazrin, L. 2009.** 'Ethnicity, bilingualism and variable clitic marking in Bishnupriya Manipuri'. In James, N. Stanford and Dennis R. Preston (eds) *Variations in Indigenous Minority languages*, pp. 441-62, John Benjamins.
- Bhattacharya, T. 2010.** 'With Eyes Wide Shut: Sharing as Freedom' in *Knowledge, Language and Learning*, By Agnihotri, R.K. and Dewan, H.K. (ed) Delhi: Macmillan.
- Coelho, G. 2010.** 'Prevention is better than cure: The case of 'small', but still thriving, languages'. In Kamilini Sengupta (ed) *Proceedings of the International Seminar on Endangered Languages in India*, INTACH, Delhi.

## LIBRARY & INFORMATION SCIENCE

### Major Activities

The major thrust areas of research in which the Department is currently engaged include: Library and Information Science Education, Information Seeking Behaviour, Consultancy services to library management, Networks and library networking, Information Retrieval Interface, Scientometric studies. Areas like e-learning, digitization, information literacy competency, marketing of LIS products and e-resources are also taken up for research projects.

### Ph.D./M.Phil. Degrees awarded

Ph.D.	-	5
M.Phil.	-	13

### Seminars/Conferences held

National Seminar on 'Relevance of Ranganathan's Philosophy in Present Era', Department of Library & Information Science, 6 August 2009.

### Seminars/Conferences attended

**Prof. S.P. Singh:** Invited Chairperson. IFLA International Newspaper Conference at IGNC, New Delhi, 25-28 February 2010.

Chairperson, International Conference on Digital Libraries at TERI, New Delhi, 23-26 February 2010.

Chairperson International Conference on 'Children's Libraries 2010: Building a Book Culture', New Delhi, 4-6 February 2010.

Seminar Director, organized a National Seminar on 'Relevance of Ranganathan's Philosophy in Present Era', Department of Library & Information Science, Delhi University, 6 August 2009.

**Dr. Shailendra Kumar:** LV All India Library Conference Proceedings, Birla Institute of Management Technology, Greater Noida, ILA, Delhi, 21-24 January 2010. pp. 751-63.

**Dr. R.K. Bhatt:** III International Conference on Digital Libraries, organized by The Energy and Resource Institute (TERI) at India Habitat Centre, Lodhi Road, New Delhi, 23-26 February 2010.

International Conference on Academic Libraries, organized by Delhi University Library System, Delhi University, 5-8 October 2009.

XXVII IASLIC National Conference, KIIT University, Bhubneswar, Orissa, 25-29 December 2009.

National Conference on Public Libraries-2009, jointly organized by Librarians Cultural Forum and India International Centre at IIC, New Delhi, 1-3 April 2009.

**Dr. K.P. Singh:** Participated and presented a paper entitled 'International Conference on Digital Libraries', organized by TERI, New Delhi, February 2010.

Delivered a keynote address in UGC sponsored National Conference on 'Relevance of Reference Sources in College Libraries', organized by Arya Kanya Mahavidyalaya, Nagpur, 6-7 February 2010.

Participated in IATLIS-2009 National Conference organized by the Department of Library & Information Science, University of Vardhwan, West Bengal, 25-27 November 2009.

Participated in International Conference on Academic Libraries, organized by Delhi University Library System, 5-8 October 2009.

Organized and participated in National Conference on 'Relevancy of Ranganathan Philosophy in Present Scenario', organized by Department of Library and Information Science, 27 July 2009.

Organized and participated in National Conference on 'Financial Management of LICs in e-Environment' at IARI, organized by Delhi Library Association, 31 May 2009.

Participated in National Conference on 'Public Libraries on Role of Public Libraries in the Emerging Knowledge Society' at India International Centre, organized by Librarians Cultural Forum, 1-3 April 2009.

**Dr. (Mrs.) P.K. Walia:** National Conference on Public Libraries at New Delhi, 1-3 April 2009.

World Library and Information Congress: LXXV IFLA General Conference and Assembly, Milan, Italy, 23-27 August 2009.

3rd European Conference on Information Management and Evaluation, University of Gothenburg, Sweden, 17-18 September 2009.

International Conference on Academic Libraries, Delhi University, 5-8 October 2009.

**Dr. (Mrs.) P.K. Walia, Dr. R.K. Bhatt and Dr. (Mrs.) Meera:** National Seminar on 'Relevance of Ranganathan's Philosophy in Present Era', Department of Library & Information Science, 6 August 2009.

**Dr. M. Madhusudhan:** III International Conference on Digital Libraries-2010, organized by TERI and IGNOU, New Delhi, 23-26 February 2010.

Presented paper 'Euro India, ICT Co-operation', organized by Euro India, International Management Institute, New Delhi, 10-11 December 2009.

International Conference on Academic Libraries, Delhi University Library System, 6-9 October 2009.

Presented paper at Conference on 'Information Science, Technology & Management: Sustaining Knowledge', jointly organized by Virginia Commonwealth University, USA, University of North Carolina Greensboro (USA), Management Development Institute, Gurgaon, University of the Fraser Valley, Canada and Information Institute, USA, 13-15 July 2009.

National Seminar on 'Knowledge Conservation and Preservation' (NASKCON 2010), organized by DLIS, AMU, Aligarh, 13-14 March 2010.

**Dr. (Mrs.) Meera:** International Conference on Information Management and Evaluation, University of Cape Town, 25-26 March 2010.

International Conference on Academic Libraries, Delhi University Library System, 6-9 October 2009.

**Mr. Manish Kumar:** National Conference on Public Libraries, jointly organized by Librarians Cultural Forum and India International Centre at IIC, New Delhi, 1-3 April 2009.

International Conference on Academic Libraries, organized by Delhi University Library System, 5-8 October 2009.

3rd International Conference on Digital Libraries, organized by The Energy and Resource Institute (TERI) at India Habitat Centre, Lodhi Road, New Delhi, 23-26 February 2010.

## Publications

### Books

**Bhatt, R.K. 2009.** *Information Systems*. Delhi: Pragati Publications, ISBN 81-7307-127-6.

**Singh, K.P. and Satija, M.P. 2009.** *Glimpses of Indian agricultural education and information use: Soul to rural Indian economy*. LAP LAMBERT Academic Publishing: Theodor-Heuss-Ring, Köln, Germany. ([www.lap-publishing.com](http://www.lap-publishing.com)). p. 196.

### Journal Article

**Singh, S.P. 2009.** 'Catalytic role of information literacy in educational change: A case study of Delhi University', *Library Management*, 30(3): 163-75.

2010. 'Digital Libraries: Some Vexing Issues'. *IASLIC Bulletin*.

**Bhatt, R.K. 2010.** 'Use of UGC-Infonet Digital Library Consortium Resources by Research Scholars and Faculty Members of the University of Delhi in History and Political Science: A Study'. *Library Management*, Vol.31(4-5).

2009. 'E-Resources @ UGC-Infonet Digital Library Consortium: A Breakthrough'. *World Digital Libraries*, 2(2): 145-60.

**Walia, P.K and Khatri, D. 2009.** 'Citation Analysis of Library and Information Science Journals'. *Journal of Library and Information Science*, 34(1): 33-50.

**Walia, P.K. and Mehmood, T. 2009.** 'Management of Select Multinational Corporations Libraries in National Capital Region'. *Journal of Library and Information Science*, 34(2): 185-96.

**Singh, K.P. 2009.** 'Knowledge Management: Tools, techniques and technologies'. *TECNIA Journal of Management Studies*, 4(1): 47-56.

**Singh, K.P., Sharma, N. and Negi, N.** 'Use, availability and barriers to information communication technologies in the R&D institutions: A case study of the libraries and information centers of Noida, India'. *DESIDOC Journal of Library & Information Technology*, 29(6): 21-31.

**Singh, K.P. and Singh, M.** 'Extension and Expansion of UDC schedule with particular reference to Computer Science'. *Extension and Corrections to the UDC (E&C)*, 31(1) 2009.

**Madhusudhan, M. 2010.** 'RFID technology implementation in two libraries in New Delhi'. *Program: Electronic Library and Information Systems*, 44 (2): 149-57 (ISSN: 0033-0337, ISI Journal).

**Madhusudhan, M. and Singh, P. 2010.** 'A Multimedia-based library orientation programme at Dyal Singh College Library, New Delhi'. *Library Review*, 59(6): 430-44 (ISSN :0024-2535, ISI Journal).

**Rekha, C. and Madhusudhan, M. 2009.** 'Use of electronic journals by doctoral research scholars of Goa University, India'. *Library Hi Tech News*, 26(10): 12-15 (ISSN: 0741-9058, ISI Journal).

**Sangam, S.L. and Meera.** 'Research Collaboration Pattern in Indian Contributions to Chemical Sciences'. *Collnet Journal of Scientetric and Information Management*, 3.12009: 39-45.

#### **Article in Edited Work**

**Pinki and Singh, S.P. 2010.** 'Semantic Web technologies for digital libraries'. In International Conference on Digital Libraries, TERI, New Delhi, 23-26 February 2010, pp. 871-80.

**Singh, S.P. and Tariq, Ashraf. 2009.** 'A few cases of RTI act and social empowerment in India'. 2 V. In *Library & Information Science in Digital Age: Festschrift Volume of Prof. M.P. Satija*, (eds) Jagtar Singh, J., Malhan, I.V. and Kaur, T.J., New Delhi: Ess Ess Publications, 881-98.

**Bhatt, R.K. 2009.** 'Library Consortium: An Overview of Indian Initiatives'. In *Library and Information Science in Digital Age: Essay in Honour of Prof. M P Satija*, New Delhi: Ess Ess Publications. pp. 382-400.

**Singh, K.P. 2010.** 'RSS as a tool for increase user awareness of e-resources in the college libraries: An innovative approach to information access and use in changing scenario', Keynote Address. National Conference, organized by Dayanand Arya Kanya Mahavidhyala, Nagpur. pp. 9-10.

**Singh, K.P. and Gulati, D. 2010.** 'Learning to E-learning: A paradigm shift in information age, issues and opportunities'. In Vol. 2: International Conference on digital libraries held at TERI, New Delhi, pp. 894-902.

**Singh, K.P. 2009.** 'Information Seeking Behavior of Visually Impaired People: A case study of selected libraries in Delhi'. In Vol. 1, Singh, J., Malhan, I.V. and Kaur, T. (eds), *Library and Information Science in Digital Age: Festschrift in honour of Prof. MP Satija*, New Delhi: Ess Ess Publications, pp. 102-16.

#### **Conference Article**

**Naqvi, S.H. and Shailendra K.** 'Use of WINISIS/GENISIS Software in Creating Web-based Database of Faculty Publications in India. Library and Information Science in the Digital Era', LV All India Library Conference Proceedings, Birla Institute of Management Technology, Greater Noida, ILA, Delhi, 21-24 January 2010, pp. 751-63.

**Bhatt, R.K. 2009.** 'Librarianship in Digital Environment: Role of LIS Professionals in Knowledge Society.' XXVII IASLIC National Conference, at KIIT University, Bhubneswar, Orissa, 25-29 December 2009.

'Delhi: Historical, Cultural, and Social Prospective', National Conference on Public Libraries-2009 jointly organized by Librarians Cultural Forum & India International Centre at IIC, New Delhi, 1-3 April 2009.

**Bhatt, R.K. and Kumar, M.** 'Public Libraries in Delhi: A Historical Study'. National Conference on Public Libraries-2009, jointly organized by Librarians Cultural Forum & India International Centre at IIC, New Delhi, 1-3 April 2009.

**Bhatt, R.K. and Sharma, U.C.** 'Marketing of Library and Information Science Products and Services'. National Conference on Public Libraries-2009, jointly organized by Librarians Cultural Forum & India International Centre, at IIC, New Delhi, 1-3 April 2009.

**Walia, P.K. 2009.** 'Access to Government Information in India in the Digital Environment'. Presented paper In World Library and Information Congress: LXXV IFLA General Conference and Assembly, Milan, Italy, 23-27 August 2009.

'E-government Initiatives in India'. Presented paper In 3rd European Conference on Information Management and Evaluation, University of Gothenburg, Sweden, 17-18 September 2009.

**Sohal, P.K., Kaur, P. and Walia, P.K.** 'Information Literacy Curriculum for undergraduate students'. International Conference on Academic Libraries, 5-8 October 2009, 556-60.

**Madhusudhan, M.** Jt. Author. 'Organizational Adoption of Open Source Software in South Africa', Proceedings of Euro India, ICT Co-operation, New Delhi, 10-11 December 2009.

**Jt. Author.** 'The use of ICT for Teaching and Learning in South African Higher Education Institutions', Proceedings of 7th Annual Conference on 'Information Science, Technology & Management Sustaining a Knowledge Economy', Gurgaon, ISBN: 978-1-935160-06-9, 13-15 July 2009.

'Metadata for Digital Archives', Proceedings of Knowledge Conservation and Preservation (NASKCON 2010), organized by DLIS, AMU, Aligarh, 13-14 March, 2010.

**Bhatt, R.K. (ed). 2010.** *Public Libraries in the Knowledge Society: An Indian Experience.* New Delhi: Shipra Publications. 2010. ISBN: 978-81-7541-525-6.

**2009.** Editor of *Journal of Library and Information Science*, Vol. 34.

### **Editorial Work**

**Singh, K.P., et al. 2009.** 'Financial Management of Library & Information Centers in e-environment: Papers & Proceedings of the National Conference on Financial Management of LIC in e-environment', organized by Delhi Library Association & Indian Agricultural Research Institute Library at New Delhi, Delhi Library Association, Naraina Vihar, New Delhi, p. 231.

### **Conference papers**

**Meera. 2010.** 'Library and Information Professionals (LIPs) in the Present Digital Age: Challenges of the New Skills'. ICIME 2010, 25-26 March 2010, Cape Town, South Africa.

**2009.** 'Scientometric Analysis of Chemical Science Journals'. National Seminar on Webometrics, Infometrics and Scientometrics (WIS). 21-22 December 2009, at DLIS Karnatak University, Dharwad.

'Indian Chemical Literature 1907-2005: Activity and growth' National Seminar on Webometrics, Infometrics and Scientometrics (WIS). 21-22 December 2009, DLIS Karnatak University, Dharwad.

**Kumar, M. and Bhatt, R.K.** 'Public Libraries in Delhi: A Historical Study'. National Conference on Public Libraries-2009, jointly organized by Librarians Cultural Forum & India International Centre at IIC, New Delhi, 1-3 April 2009.

'Librarianship in Digital Environment: Role of LIS Professionals in Knowledge Society'. XXVII IASLIC National Conference, at KIIT University, Bhubaneswar, Orissa, 25-29 December 2009.

'E-learning Programmes and Libraries: Issues and Strategies'. In Third International Conference on Digital Libraries (ICDL 2010), organized by The Energy and Resource Institute, at India Habitat Centre, Lodhi Road, New Delhi, 23-26 February 2010.

## **MODERN INDIAN LANGUAGES AND LITERARY STUDIES**

### **Major Research**

The MA programme in Comparative Indian Literature is in the limelight as a major thrust area for its unique design and its relevance in the multi-lingual and multi-cultural situation in the country.

The Department has undertaken various initiatives under the Special Assistance Programme of UGC. The thrust areas identified under this scheme are: Comparative Indian Literature, Translation Studies and Problems of Translation Between Indian Languages, and Indian Folklore and Tribal lore.

### **Honours /Distinctions**

**Prof. Indira Goswami:** Conferred the Professor Emeritus of Delhi University.

### **Ph.D./M.Phil. Degrees awarded**

Ph.D.	-	1
M.Phil.	-	1



### **Seminars/Conferences held**

National Seminar on 'Fictional World of Indira Goswami', 12-14 November 2009.

International Congress of Bengal Studies, 25-28 February 2010.

Thirteenth Endowment Lecture in the name of Padma Bhushan Dr. Rajah Sir M.A. Muthiah Chettiar of Chettinad, instituted by the Indian Cultural Research Trust, Chennai, was delivered on 5 March 2010.

National Seminar on 'Literature, Art and Other Disciplines: Interrelationships', under the DRS (Phase-II) Programme of UGC, 25-26 March 2010.

### **Seminars/Conferences attended**

**Prof. P.C. Pattanaik:** Co-ordinated the National Seminar on 'Fictional World of Indira Goswami', and also presented paper entitled, Journey from 'Adhalekha dastabez to dastabezra uttarpristha: Indira Goswami in Search of a New Genre', 12-14 November 2009.

Co-ordinated the National Seminar on 'Literature, Art and Other Disciplines: Interrelationships', under the DRS (Phase-II) Programme of UGC, 25-26 March 2010.

Presented a paper on 'Comparative Literature: What, Why and How?' in the National Seminar organized by the Department of Oriya, Utkal University, Orissa, 29-20 March 2010.

**Prof. Nandita Basu:** Presented a paper entitled 'Manik's Chotuskon: Some Questions' in the National Seminar on 'Bengali writer Manik Bandyopadhyay', organized by Women's College, Agartala, Tripura, September 2009.

Presented a paper entitled 'Bengali Literature's relationship with other Indian Literature' in a National Seminar organized by Arya Mahila College, Banaras, February 2010.

Presented a paper entitled 'Present Crisis in Bengali Literary Scholarship' in the International Congress of Bengal Studies organized by the Department of MIL&LS, February 2010.

Presented a paper entitled 'Man-Woman Relationship in the Writings of Indira Goswami' in the National Seminar on the 'Fictional World of Indira Goswami' organized by the Department of MIL&LS, November 2009.

**Prof. A. Mariappan:** Presented a paper on 'Social Change in 'A Saga of South Kamrup' in the National Seminar on 'Fictional World of Indira Goswami', Department of MIL&LS, 12-14 November 2009.

Presented a paper on 'Reception and Influence of Early Bengali Novels in Tamil (1900-1950)' in the International Congress of Bengali Studies, Department of MIL&LS, 25-28 February 2010.

**Dr. G. Rajagopal:** Paper entitled 'Transcreation of Poetry: In the quest of rendering the right words', presented in 37th All India Conference of Dravidian Linguistics, organized by the International School of Dravidian Linguistics, Dravidian Linguistics Association, St. Xavier's College, Thiruvananthapuram, Kerala, 18-20 June 2009.

Paper entitled 'Translation in variance: Tamil into English' presented in the International Conference on 'Expanding Territories: Comparative Literature in the 21st Century' organized by the Department of English and Comparative Literary Studies, Saurashtra University, Gujarat, in collaboration with CLAI, Delhi, CIIL, Mysore and Sahitya Akademi, New Delhi, at Rajkot, Gujarat, 29-31 March 2010.

Paper entitled 'Life Before Death: Contexts and Conjunctions in Mamoni Raisom Goswami's Fictions' presented in the National Seminar on 'Fictional World of Indira Goswami', organized by the Department of MIL&LS, 12-14 November 2009.

Presented Paper entitled 'Urakkam Mudal Turakkam Varai: Acara-Anacarangal' (in Tamil), National Conference on 'Tamil Didactic Literary Works: Duties and Rights' (*Padinen Kilkanakku Nulgalil Kadamaigalum Urimaigalum*), organized by the Central Institute of Classical Tamil, Chennai, and P.S.G.R. Krishnammal College for Women, Coimbatore, at Coimbatore, Tamil Nadu, 11-13 February 2010.

**Dr. T.S. Satyanath:** 'Retrieving Women Knowledge Systems'. Workshop on Translating Gender Concepts in Kannada, Kannada University, Hampi, 4-5 April 2009.

'Postmodernism in Indian Literature'. National Seminar on 'Postmodernism in Sindhi Literature', Department of MIL & LS, Delhi University, 28 August 2009.

'Reading Through the Pages Stained with Blood'. National Seminar on 'Fictional World of Indira Goswami', Department of MIL & LS, 12-14 November 2009.

'Understanding Medieval Indian Literature'. National Seminar on 'Medieval Indian Literature: Society, Culture and Creation', Department of Gujarati, University of Mumbai, 25-27 November 2009.

'Twentieth Century Indian Literature: Some Dimensions'. National Seminar on 'Comparative Indian Literature', Sahitya Akademi, New Delhi, and Department of Hindi, University of Rajasthan, Jaipur, 3-4 February 2010.

'Models and Processes of Translation in the Indian Context'. Workshop on Translation Studies, Department of South East Asian Studies, 8 February 2010.

'Understanding Grammatical Traditions in India'. DULA Seminar Series, Department of Linguistics, 23 February 2010.

'South Asian Traditions of Translation'. National Seminar on 'Translation and Inter Cultural Communication', Indira Gandhi National Open University, New Delhi, 6-7 March 2010.

'Mapping Scipto-centric, Phono-centric and Body-centric Knowledge Systems in Medieval India'. International Conference on 'Orality and Performance: Talking Tongues, Speaking Gestures', Department of Comparative Literature, Jadavpur University, Kolkata, 12-14 January 2010.

'Comparative Indian Literature: The Delhi School?', Rabindra Kumar Dasgupta Panel on Schools of Comparative Literary Studies in India, International Congress of Bengal Studies, Department of MIL & LS, 25-28 February 2010.

'Tagore in Indian Languages: A Study of Translation Processes', Chandrakant Mehta Panel on Reception and Translation of Tagore in Indian Languages, International Congress of Bengal Studies, Department of MIL & LS, 25-28 February 2010.

'Problematizing Indian Literary Historiography'. Plenary Session on Indian Literary Historiography, International Conference on 'Expanding Territories: Comparative Literature in the Twenty-first Century', Saurashtra University, Rajkot, 29-31 March 2010.

**Dr. K. Premananthan:** Delivered a series of lectures on various topics as Visiting Fellow in the School of Performing Arts, Madurai Kamaraj University, Madurai, 26 March-5 April 2010.

Delivered a series of lectures on various topics as Visiting Fellow in the School of Religions, Philosophy and Humanist Thought, Madurai Kamaraj University, 31 March-5 April 2010.

Presented a panel paper on Postmodernism in the National Seminar on 'Postmodernism and Sindhi Literature' in the Department of MIL & LS, by National Council for Promotion of Sindhi Language, 28-29 August 2009.

Presented paper on 'Creative Writing' in the Writers' Meet-cum-Seminar on 'Why do I write, How do I write', organized by Sahitya Akademi, Delhi, 6-7 January 2010.

Presented two papers on Postmodernism and Literature, Postcolonialism and Literature in the UGC-Academic Staff College, Pondicherry University, Puducherry, 4 February 2010.

'Expanding Epistemology: Postcolonial Understandings', a paper presented in the National workshop on 'Research Methodology' by University of Calicut, Kerala, and chaired a session on Cultural Studies, 23-24 February 2010.

'Transformation of a Character through Various Narratives', a paper presented in the National Seminar on 'Literature, Arts and Other Disciplines: Interrelationship', organized by the Department of MIL & LS, 25-26 March 2010.

'Narratives and History in Sculptures and Paintings', a paper presented in the National Seminar on 'Socio Cultural History of Tamil Nadu in Temple Arts' organized by the School of Performing Arts, Madurai Kamaraj University, Madurai, 29-30 March 2010.

**Ratnottama Das:** Presented a paper entitled 'Treatment of Blood in the Writings of Indira Goswami' in the National Seminar on 'Fictional World of Indira Goswami', in the Department of MIL & LS, Delhi University, 12-14 November 2009.

**Mr. Venkata Ramaiah Gampa:** Presented a paper titled 'The World of Religion in Short Stories by the Muslims' in the National Seminar on 'Literature, Art and other disciplines: Interrelationship' organized by the Department of MIL & LS, 25-26 March 2010.

**Dr. Rajendra Kumar Mehta:** Speaker National at a Seminar on 'Medieval Indian Literature' organized by University of Mumbai, November 2009.

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Tribal lore of Orissa: Common Culture Contents.	Prof. P.C. Pattanaik	UGC

## Publications

**Rajagopal, G. 2009.** 'Cidilam: Cinima Nadigargalukkut Tamilc Camugam Tarum Adita Mukkiyattuvam', (in Tamil), In the *40th Proceedings of All India University Tamil Teachers' Association's Conference* (ed) Mohan, R. and Manivel, M. et. al., Vol. 1. Madurai: Madurai Kamaraj University.

**Satyanath, T.S. 2009.** 'Tellings and Rederings in Medieval Karnataka: The Episode of Kirata Shiva and Arjuna' in *Decentring Translation: India and Beyond*, (eds) Wakabayashi, J. and Kothari, R. Amsterdam: John Benjamins.

**Mehta, R. 2010.** *Sootrabaddha* (a collection of critical writings), Ahmedabad, Gujarat: Parshv Publication.

## PSYCHOLOGY

### Major Activities

The research activities focused on theory of mind, management of stress, anger, anxiety and depression, psychological interventions, culture, self and well-being, gender and social identity, positive emotions, organizational communication and socialization, HRD and disabilities.

Dr. Graeme Hyman, Monash University, Australia, Dr. Adrian Brock, University of Dublin, Scotland, and Dr. D. Damdul, Dharmshala, visited and participated in seminars. A delegation from National Taiwan University headed by Prof. Kwang-Kuo Hwang interacted with the faculty to explore research collaborations.

A National Seminar on 'Perspectives on Social Psychology' was held with Prof. K.J. Gergen. A National Symposium was organized on 'Culture and Cognition: A Developmental Perspective'. The M.A. Semester Programme was launched with many new innovative courses.

An MoU was signed between Applied Psychology and Department of Applied Social Sciences, Dortmund University, Germany, for academic exchange.

### Ph.D. Degrees awarded

Ph.D. - 15

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Development of culturally appropriate tool for personality assessment in Indian context.	Prof. Anand Prakash	ICSSR
Flourishing positivity in young women: An intervention study.	Dr. Swasti Shrimali Vohra	ICSSR
Ways of explaining behaviour: An attempt to evaluate theory of mind perspective in cultural context.	Dr. Nandita Babu	ICSSR
A theory of mind based programme for enhancement of children's social skills.	Dr. Nandita Babu	ERIC, NCERT
<i>Programmes taken up involving inter-institutional collaboration</i>		
Self Presentation in Children	Prof. Girishwar Misra	University of Sussex, England
Bilingual Language Processing.	Prof. Ashum Gupta	Texas A&M University, USA

## Honours/Distinctions

**Prof. Girishwar Misra:** ESRC-ICSSR India-UK Scholar Exchange award to work on 'Children's Self-Presentation in India and The UK: Associations with Social Values, Peer Relations, and Well-Being' at Psychology Department, University of Sussex, England, 1 May-1 July 2009.

National Fellow, Indian Council of Social Science Research.

Member, Advisory Committee, National Social Science Documentation Centre (NASSDOC), ICSSR, New Delhi; Member, Advisory Committee on Research Survey and Publication of ICSSR, New Delhi; Member, Research Projects Committee, Indian Council of Philosophical Research, New Delhi; Member, International Advisory Board of Centre for Indigenous and Cultural Psychology, Gadjah Mada University, Yogyakarta, Indonesia; Member, Expert Committee for M.Sc. Programme in Counselling and Family Therapy, Indira Gandhi National Open University, New Delhi.

Editorial Advisor, Indian Association of Social Science Institutions' journal, *IASSI Quarterly*.

Consulting Editor of American Psychological Association (APA) journal, *History of Psychology*.

Editorial Review Member of the *International Journal of Creativity and Problem Solving*.

Visiting Fellow at Psychology Department, Calcutta University, Kolkata.

**Prof. Ashum Gupta:** Member, Editorial Board, *International Journal of Disability Studies* and Member, Academic Council, Rajiv Gandhi National Institute of Youth Development, Sriperumbudur, Tamil Nadu.

**Prof. Anand Prakash:** Elected President, National Academy of Psychology (NAOP) India. Associate Editor, *Psychological Studies*, official publication of NAOP and published by Springer.

### **Seminars/Conferences held**

'The three selves of Adulthood' by Prof. Usha Menon, Department of Culture and Communication, Dr. Excel University, Philadelphia, USA, 28 July 2009.

'Self in Buddhism' by Dr. Geshe Dorji Damdul, Official Translator and Assistant to His Holiness the Dalai Lama, 13 August 2009.

'Mind in Buddhism' by Dr. Geshe Dorji Damdul, Official Translator and Assistant to His Holiness the Dalai Lama, 27 August 2009.

'Emotions in Everyday Life' by Prof. Manas K. Mandal, Director, DIPR and DRDO, September 2009.

'Who am I, Why am I here, and Where am I going?: Journeys in Becoming an Effective Counselor' by Dr. Smita Nagpal, University of Toledo, 8 October 2009.

'Resilience and Creativity amidst Adversity and Suffering' by Dr. Ghadirian, Faculty of Medicine, and Emeritus Physician of McGill University Health Centre, 17 September 2009.

'Performance Psychology and more....' by Prof. Kenneth Gergen, Senior Research Professor of Psychology at Swarthmore College and Prof. Mary Gergen, Board Member and Treasurer /Secretary of Taos Institute and a Professor of Psychology, 9 December 2009.

'Culture and Cognition: A Developmental Perspective', National Symposium sponsored by ICSSR, DST and Delhi University, 23-25 January 2010.

'Reading in Bilinguals' by Prof. P. Prakash, Mysore University, on 19 February 2010.

### **Seminars/Conferences attended**

**Prof. Girishwar Misra:** Seminars at the Universities of Sussex, Southampton, Kent, Oxford Brookes, Dundee, and London (Royal Holloway), May-June 2009.

'Imagining self and society: The Indian experience', Autumn Academy on 'Fears, Facets and Fascinations: Western and Indian presentations of India'. Ruhr University, Bochum, Germany, 8-11 November 2009.

International Seminar on 'Cognition, Stress and Mental Health', Banaras Hindu University, Varanasi, 16 December 2009.

Symposium on 'Indian Psychology: Emerging Perspectives' at the International Congress of Asian Association of Social Psychology, IIT Delhi, 11-14 December 2009.

Seminar on 'Source Book of Indian Psychology' sponsored by ICPR, National Institute of Advanced Studies, Bangalore, 3-4 August 2009.

Symposium on Empowering Children, Adolescents and Families, X Biennial Conference of Indian Association for Child and Adolescent Health, AIIMS, New Delhi, 23 November 2009.

Keynote Address, National Seminar on 'Adolescent Behavior: Nature and Dynamics', St. Andrews College, Gorakhpur, 17 January 2010.

Keynote Address at National Conference on 'Peace and Conflict Resolution: Psycho-Social Perspectives', Christ University, Bangalore, 5 February 2010.

Keynote Address on 'Paradigmatic Challenges and Qualitative Methods' and 'Well-Being and Self Growth: Emerging Perspectives' at the National Workshop on Qualitative Research Methods, Department of HSS, Indian Institute of Technology, Kanpur, 24 February 2010.

Invited Address on 'Meaning is Back: Psychology as A Cultural Enterprise', at NAOP Convention, Bangalore University, Bangalore, 9 March 2010.

Keynote Address on 'Towards Non-Violence and Enhancing Social Well-being' at the National Seminar on 'Aggression and Violence: Challenges for Social Well-being', Jamia Millia Islamia, 17 March 2010.

Keynote Address on 'Well Being and Self Growth: Emerging Perspectives' at National Seminar on 'Positive psychology and health: Intervention and strategies', 28 March 2010.

National Seminar on 'Indian Research: A Quantitative and Qualitative Approach', Guru Gobind Singh Indraprastha University, New Delhi, 3 March 2010.

Keynote Address on 'The Socio-Emotional World of Children: Challenges and Possibilities' at National Seminar on 'Emotionality in Children', Rao Birender Singh College of Education, Rewari, 31 March 2010.

**Prof. Ashum Gupta:** 'Normal writing vs. mirror writing in bidirectional readers: Biomechanical and orthographic influences', paper presented at TENNET, Concordia University, Montreal, Canada, June 2009.

'Hypertension, Yoga and Cognitive Functioning', invited lecture at University of Lausanne, Switzerland, 8 May 2009.

'Being alive to responsible citizenship: J. Krishnamurti and the challenges for education', Participated in an International Symposium, Delhi University, 4-6 February 2010.

'Cognition, Affect and Self-Regulation', invited keynote address at the International Symposium on 'Cognition, Stress and Mental Health', BHU, Varanasi, 14-16 December 2009.

'Exploring Swaraj: Field experiences', participated in an interactive session at the International Conference held at Suraj Kund, Faridabad, 19 November 2009.

'Attention, memory and mind: A synergy of psychological, neuroscientific and contemplative perspectives', participated in the International Conference Mind & Life XVIII: Chair, His Holiness the Dalai Lama, Dharamsala, 6-10 April 2009.

**Prof. Ashum Gupta:** 'Trauma and emotional resilience', India International Centre, New Delhi, 21 May 2009.

'Eradication of Ragging', Seminar organized by Gandhi Smriti and Darshan Samiti, Rajghat, New Delhi, 11 September 2009.

'Culture and Cognition: Developmental Perspectives'. National Symposium at Department of Psychology, 23 January 2010.

'Cognitive-behavioural and family psycho educational approach to the treatment of paranoid schizophrenia: A case study', XXXVI National Annual Conference of the Indian Association of Clinical Psychologists, NIMHANS, Bangalore, 1-3 February 2010.

'Effectiveness of parent focused social interactive intervention for children with autism'. XXXVI National Annual Conference of the Indian Association of Clinical Psychologists, NIMHANS, Bangalore, 1-3 February 2010.

'Effect of cigarette smoking on working memory'. XXXVI National Annual Conference of the Indian Association of Clinical Psychologists, NIMHANS, Bangalore, 1-3 February 2010.

'Cultivating Compassion', India International Centre, New Delhi, 19-20 February 2010.

Cognitive Behaviour Therapy Workshop, Punjabi University, Patiala, 25 February 2010.

'Disability issues in India', National Symposium at Indian Spinal Injury Centre, New Delhi, 20 March 2010.

**Dr. Swasti Shrimali Vohra:** 'Flourishing positivity in young women', II Applied Positive Psychology Conference, University of Warwick, UK. Dr. Hon?ey

**Dr. Nandita Babu:** Organized Symposium on 'Theory of Mind: A powerful tool for making sense of behaviour' at 8th Biennial Conference of the Asian Association of Social Psychology, IIT Delhi, December 2009.

**Dr. S.P.K. Jena:** 'Time Management', National Thermal Power Corporation (NTPC) Noida, 12 October 2009.

'Brain Electrical Oscillation Signature Profiling', New Delhi, 30 October 2009.

Workshop on 'Autism: Empowerment and Disability', New Delhi, 10 December 2009.



## **Publications**

### **Books**

**Misra, G. (ed) 2009.** *Psychology in India. Vol. 1 Basic Psychological Processes and Human Development.* New Delhi: Pearson.

**2009.** *Psychology in India. Vol. 2 Social and Organizational Processes.* New Delhi: Pearson.

**2009.** *The structure of Indian mind by V.N. Misra.* New Delhi: L.B. Shastri Sanskrit Vidyapeeth.

**2010.** *Psychology in India. Vol. 3 Clinical and Health Psychology.* New Delhi: Pearson.

**2010.** *Psychology in India. Vol. 4 Theoretical and Methodological Developments.* New Delhi: Pearson.

**Morris, C.G., Maisto, Albert, A. and Misra, G. 2010.** *Psychology for nurses.* New Delhi: Pearson.

### **Research Articles in Books or Scholarly Journals**

**Mishra, A.K., Akoijam, A.B. and Misra, G. 2009.** 'Social psychological perspectives on self and identity'. In Misra, G. (ed) *Psychology in India. Vol. 2 Social and Organizational Processes.* New Delhi: Pearson, pp. 53-104.

**Misra, G. 2009.** 'Towards inclusive psychology'. *Psychological Studies*, 54: 1-2.

**2009.** 'Self and well-being'. *Psychological Studies*, 54, 85-6.

**2009.** 'Non-violence: An imperative for a flourishing collective life'. *Psychological Studies*, 54: 169-70.

**2010.** 'Emerging perspectives on social psychology'. *Psychological Studies*, 55: 1-2.

**2010.** 'Non violence and peace: An informal Essay'. In Rathee, N. (ed) *Violence and conflict resolution: Contemporary perspectives.* New Delhi: Global Vision, pp. 31-8.

**2010.** 'The cultural construction of self and emotion: Implications for well-being'. In Ralf Schwarzer and Peter A. Frensch (eds), *Personality, Human Development, and Culture: International Perspectives on Psychological Science*, Vol. 2. New York: Psychology Press, pp. 95-112.

**Prakash, A. 2010.** 'Qualitative methods'. In Misra, G. (ed) *Psychology in India. Vol. 4 Theoretical and methodological developments.* New Delhi: Pearson, pp. 227-71.

**Vahali, H.O. 2009.** 'Landscaping a Perspective: India and the Psychoanalytic Vista'. In Misra, G. (ed) *Psychology in India. Vol. 4 Theoretical and methodological developments.* New Delhi: Pearson, pp. 1-91.

- Chandra, N. and Misra, G. 2010.** 'Relational violence: Case studies on marital rape and date rape'. In Rathee, N. (ed) *Violence and conflict resolution: Contemporary perspectives*. New Delhi: Global Vision, pp. 69-84.
- Dalal, A.K. and Misra, G. 2010.** 'The core and context of Indian psychology'. *Psychology and Developing Societies*, 22: 121-55.
- Gupta, A. and Kumar, N.K. 2009.** 'Indian adaptation of the Cognistat: Psychometric properties of a cognitive screening tool for patients of traumatic brain injury'. *Indian Journal of Neurotrauma*, 6(2): 123-32.
- Gupta, A. and Sondhi, V. 2009.** 'Eyewitness memory and investigating interviewing'. In Begum, A. (ed). *Eyewitness identification: Psych-legal issues*. The Icfai University Press, pp. 110-33.
- Kapur, P. and Misra, G. 2010.** 'Changing identities and fixed roles: The experiences of Sikh women'. In Doris R. Jakobsh (ed). *Sikhism and women: History, texts and experience*. New Delhi: Oxford University Press, pp. 187-204.
- Kapur, S. and Misra, G. 2010.** 'The why of violence: Insights from the movie *1947-The Earth*'. In Rathee, N. (ed) *Violence and conflict resolution: Contemporary perspectives*. New Delhi: Global Vision, pp. 179-86.
- Sharma, S. and Misra, G. 2010.** 'Health psychology: Progress and challenges'. In Misra, G. (ed) *Psychology in India. Vol. 3 Clinical and health psychology*, New Delhi: Pearson.
- Tripathi, A.N. and Babu, N. 2009.** 'Cognitive processes: Attention, perception and thinking'. In Misra, G. (ed) *Psychology in India, Vol-I. Basic Psychological processes and human development* New Delhi: Pearson, pp. 151-202.

## PUNJABI

### Major Activities

The Department conducted marathon workshops with Punjabi teachers of the University in its ongoing efforts to debate and re-structure the Punjabi syllabi, with the purpose of ensuring open dialogue between the Department and the Colleges.

With a remarkable legacy of being the nerve centre for Delhi School of Punjabi Criticism, the Department has kept up with the changing times by hosting National and International conferences and seminars, memorial lectures and diaspora series annually. The platform provided by the Department for livewire interactions among thinkers, writers and teachers on the one hand, and between the intellectuals and the students on the other, has ensured that the Department remains at the centre of Punjabi literature and culture's dynamic transformation through the decades.

### **Ph.D./M.Phil. Degrees awarded**

Ph.D.	-	4
M.Phil.	-	13

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Ishwar Chittarkaar Da Rachna Sansaar.	Dr. Manjit Singh	Punjabi Academy, Delhi
Monograph on world know Semiotician and Feminist thinker Julia Kristeva.	Dr. Manjit Singh	Punjabi Academy, Delhi
Monograph on an eminent Punjabi Fiction writer Late. S. Mahinder Singh Sarna.	Dr. Manjit Singh	Punjabi Academy, Delhi
Adhunik Punjabi Kavita Virachnatmak Padat.	Dr. Kulvir Gojra	Delhi University
Harbhajan Halwarvi Jeewan te Rachna.	Dr. Kulvir Gojra	Punjabi University, Patiala

### **Appointments of faculty members to higher Posts/Assignments**

**Dr. Manjit Singh:** Member of Governing Council of Punjabi Academy, Delhi, and Member of Punjabi Bhasha Samiti of K.K. Birla Foundation for the purpose of Saraswati Samman.

President of Kenderi Punjabi Sahit Samelan, Delhi.

**Prof. Kuljit Shellie:** Member of Governing Council of Punjabi Academy.

Chairperson of Education matters in International Council of Punjabi, Delhi.

### **Honours/Distinctions**

**Prof. Kuljit Shellie:** Honoured by the Department for the completion of her 25 years of distinguished service to the Department of Punjabi on the occasion of its National Seminar on 'Colonialism, Post-Colonialism and Literature' organized by the Department of Punjabi, 30-31 March 2010.

### **Seminars/Conferences held**

Organized a workshop for Counselling of Punjabi and Urdu Language students, in collaboration with the Punjabi and Urdu Departments of Delhi University, Delhi Minorities Commission (Govt. of NCT of Delhi) and Punjabi Helpline at Conference Centre, Delhi University, 9-10 June 2009.

**Prof Karamjit Singh:** Delivered a special lecture on 'Folkloristics and Folklore of Punjab', Kurukshetra University, 3 March 2010.

Organized Prof. Harbhajan Singh Memorial Lecture on 'Genetics, Culture and Poetry', 9 March 2010; Prof. Gurumel Singh of California State University, Fresno, USA, delivered this lecture. Hon'ble Vice-Chancellor, Delhi University, was the Chief Guest and Dr. Jaswinder Singh presided over the function.

Organized National Seminar on 'Colonialism, Post-Colonialism and Literature', 30-31 March 2010, in collaboration with Punjabi Academy, Delhi. Shri A.S. Grewal (Advisor, World Punjabi Centre, Punjabi University, Patiala) presented the Keynote Address.

### **Seminars/Conferences attended**

**Dr. Manjit Singh:** Presented a paper entitled 'Delhi Vich Punjabi Di Sthiti Te Sambhavanavan' in the Second All India Punjabi Conference organized by Punjabi University, Patiala, 1-2 September 2009.

Presided over the inaugural session of the National Seminar on 'Viharak Sameekhya Ate Punjabi Sahit' and delivered a discourse on the topic, organized by Punjabi Department, Dyal Singh College, New Delhi, September 2009.

Presented a research paper on 'Myth-Chintan: Globalee Paripekh', National Seminar on 'Lokdhara Adhyan: Globalee Paripekh', organized by Khalsa College, Patiala, 30-31 October 2009.

Presented a Keynote Address at National Seminar on 'Pichhley Dahake Da Punjabi Sahit: Sthiti Ate Sambhavanavan' organized by the Punjabi Department of SGNDK College, Dev Nagar, New Delhi, in collaboration with Punjabi Academy, Delhi, 22-23 October 2009.

Chief Guest and delivered a lecture on the topic 'Guru Nanak's Philosophy of Co-existence' in a National Vichar Goshti organized by Sikh Sangat at Allahabad, UP, 2 November 2009.

Presented a research-paper entitled 'Theorizing Culture', National Seminar on 'Literary Theory and Text' organized by the Punjabi Academy, Delhi, at Conference Room, Sahitya Akademi, New Delhi, 18-19 Decembers 2009.

Presented a paper entitled 'Man Sagar Te Sunamee: a Psycho-analytical Study' in a Vichar Goshti organized by Punjabi Manch in collaboration with Punjabi Academy, Delhi, at Punjabi Bhawan, New Delhi, 26 March 2010.

Presented a paper on 'Gurbani's Responses Towards Globalization' in National Seminar on 'The Philosophy and Mission of Guru Nanak in the changing world', organized by Guru Nanak Studies Centre (established by UGC), SPM College, 5-6 February 2010.

Delivered a lecture on 'Philosophical Basis of Prof. Puran Singh's Poetry' in a National commemorative function and seminar on 129th birth anniversary of Prof. Puran Singh an eminent poet, Yogi, philosopher and the pride of Punjab, organized by the Prof. Puran Singh Trust at Triveni Kala Sangam, New Delhi, 21 February 2010.

Presented a research paper entitled 'Punjabi Sahit Vich Myth Da Roopantrann' for the World Punjabi Conference organized by Punjabi Media Association, Kalam, and Ontario Friends Club at Toronto (Canada), 22-24 July 2009. This research paper will be included in the proceedings of this World Punjabi Conference.

Presented a research paper entitled 'Madhkaleen Punjabi Sahit-Chintan: Badlde Paripekh', in XXVI International Punjabi Vikas Conference organized by Punjabi University, Patiala, 27-29 January 2010.

Presented a research paper entitled 'Bastivaad, Uttar-Bastivaad: Naamdhaari Laehar De Pratiuttar', National Seminar on 'Colonialism, Post-Colonialism and Literature' organized by the Department of Punjabi, 30-31 March 2010.

**Prof. Kuljit Shellie:** Presented a paper at the National Seminar, 'Celebrating Ter-centenary of Gurta Gaddi of Sri Guru Granth Sahib' on the topic, 'Sri Guru Granth Sahib: A Unique Scripture', at Mata Sundri College for Women, 17 February 2010.

Presented paper in a National Seminar on 'Universal Message of Guru Granth Sahib', organized by Guru Nanak Studies Centre (established by UGC), SPM College, 26-27 February 2010.

**Dr. Jaspal Kaur:** Presented a research paper entitled 'Bastivwad Daur Da Punjabi Gadar-Kaav' in a National Seminar on 'Colonialism, Post-Colonialism and Literature' organized by the Department of Punjabi, 30-31 March 2010.

**Dr. Kulvir Gojra:** Participated a delegate in a National Seminar on 'Literary Theory and Text' organized by the Punjabi Academy and Sahitya Akademi, New Delhi, 18-19 December 2009.

Participated as delegate in a Sarav Bharti Punjabi Conference organized by Punjabi University, Patiala, 1-2 September 2009.

Participated as delegate-cum-organizing secretary in a National Seminar on 'Colonialism, Post-Colonialism and Literature' organized by the Department of Punjabi, 30-31 March 2010.

Contributed a research paper entitled 'Sudhar Ghar: Jail te Kanoon-Parbandh de Andarle Vigaarhan da Birtant' which was published in a magazine, *Samdarshi*, March-April 2009.

## PERSIAN

### Major Activities

Apart from teaching and guidance to students and research scholars, the Department held following International symposiums and seminar:

Organised 'Critics, Criticism and Research Methodology in Persian', 16 January 2010.

International Seminar on 'Delhi's Past and Present: Focus on Persian Sources', 12-14 March 2010. The Seminar was attended by many renowned scholars from Iran, Turkey, England, Kazakhstan and Afghanistan and from home universities.

The Department published its Annual Research Journal.

## **M.Phil. Degrees awarded**

M.Phil. - 4

## **Research Scheme**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsored Organization</i>
History of Indo-Persian language and Literature.	Prof. Chander Shekhar	URC-DRC-SAP

## ***Programmes taken up involving Inter-institutional Collaboration***

Encyclopedia of Persian Language and Literature: Prof. Chander Shekhar, Coordinator for the Indian arm. Academic support provided by the Academy of Persian Language and Literature, Tehran Iran. Two Volumes are published.

## **New Additions**

Dr. Shahnaz Ms. Nazneen

## **Honours/Distinctions**

**Prof. Rehana Khatoon:** Received the President's Certificate of Honour in Persian, 2009.

## **Seminars/Conferences attended**

**Prof. Rehana Khatoon:** Presented a paper on 'Jadid farsi Shaeri Ek Mukhtasar Jayza' at Department of Persian, AMU, Aligarh, 18-20 August 2009.

Presented a paper on 'Zanan-i-Orafa-i-Delhi Past and present' at Department of Persian, 12-14 March 2010.

Presented a paper on 'Rasm-i-Sati ka Bayan Farsi Mutoon Ke Hawale se' at Institute of Persian Research, AMU, Aligarh, 3-5 January 2010.

**Chaired and presented a paper on 'Masnawi-i-Maulana Rum and Abdul Lataif-i-'Abbasi-i-Gujrati', International Conference on Maulana Rume at Tehran, Iran, 21-23 November 2009.**

Presented a paper on 'Ghalib Sarparast-i-Tajaddud Gari' at University of Isfahan, Iran, 24-25 November 2009.

Presented a paper on 'Fasi Farhangoon ki Tashih Ke Masael' at Rampur Raza Library, Rampur, UP, 21-23 December 2009.

Presented a paper on 'Tarqemq Nawisi-i-Farsi' on 'Critics, Criticism and Research Methodology' at Department of Persian, 16 February 2010.

Director, 1st Amir Khusrau Lecture Series at Department of Persian, 25 March 2010.

Presented a paper on 'Literary aspect of Persian Manuscripts' in Manuscripts meet at Indira Gandhi Centre of Fine Arts, 28-30 March 2010.

Chaired conference cum round table discussion on 'Persian and Arabic Manuscripts', Indira Gandhi Centre of Fine Arts, 28-30 March 2010.

**Prof. S.B.F. Husaini:** Presented a paper on 'Indo-Iran Relation' at Jamia Millia Islamia, New Delhi, 9 December 2009.

Presented a paper on 'Hazin's Poetry' at Department of Persian, BHU, Varanasi, 27-28 December 2009.

Participated in International Seminar at Delhi University, organized by the Department of Persian on 'Delhi: Past and Present', Department of Persian, 12-14 March 2010.

Participated and chaired International Seminar on 'Abu Hanifa', Tajikistan, October 2009.

**Prof. Chander Shekhar:** Presented a paper on 'Modern Persian poetry and its translation in Hindi and Urdu' at Department of Persian, AMU, Aligarh, 18-20 August 2009.

Presented the Keynote address on 'Amir Khusrau: A poet of National Character' at the Islamic Studies Centre, University of Calicut, Calicut, 6-8 March 2010.

Presented a paper on 'Indo-Iran Relations in Contemporary Period and Lexicographical Work: A Report', Centre for West Asian Studies, Jamia Millia Islamia, New Delhi, 3-5 December 2009.

Chaired and presented a paper at a Seminar on 'Delhi Past and Present', Department of Persian, 12-14 March 2010.

Presented a paper in International Conference on 'Interaction of Persian Culture with the World' at Tehran, Iran, 5-8 May 2009.

Presented a paper entitled 'Poetry of Makhtoom Quli Firaghi' in International Conference on 'Makhtoom Quli Firaghi: A National Hero of Turkman' at Tehran, Iran, 13-14 May 2009.

Presented a paper on 'Mi'rajul Ashqeen: An attribute work to Hezrat Gesudaraz' at London, UK, 24-26 July 2009.

Chaired and presented a paper on 'Translations Mss. of mathnavi of Maulana Rumi in Khuda Bakhsh Library', International Conference on Maulana Rume at Tehran, Iran, 21-23 November 2009.

Presented a paper on 'Different Shadow in Persian poetry of Mirza Ghalib' at University of Isfahan, Iran, on 24-25 November 2009.

**Dr. Aleem Ashraf Khan:** Participated and presented a research paper titled 'Role of Persian Literature in Strengthening India-Iran relations after the Islamic revolution of 1979', International Seminar at Centre for West Asian Studies, Jamia Millia Islamia, New Delhi, 3-5 December 2009.

Participated and presented research paper entitled 'Masnavi: Tradition and Dimensions', International Seminar at Institute of Persian Research, Aligarh Muslim University, Aligarh, UP, 3-5 February 2010.

Participated and presented research paper in International Symposium on 'Reception of Arabian Nights in World Literature', hosted by Centre of Arabic and African Studies, SLL & CS, JNU, New Delhi, titled 'Sindbad Namah Aur Alif Laila', 21-23 February 2010.

Participated, compared and presented research paper 'Delhi's Past and Present, Focus on Persian Sources' and presented an article entitled 'Zikar-e-Jamiye Auliya-e-Delhi, Maakhaz-e-Muhim Barai Urafai-e- Delhi', at International Seminar at Delhi University, organized by the Department of Persian, 12-14 March 2010.

Participated and presented research paper entitled 'Akhbarul Akhyar Sufiya Ka Ahm Tazkirah', National Seminar at APRI Tonk, Rajasthan, 15-17 March 2010.

Participated and presented research paper in International Seminar on 'A renowned scholar and first Indologist Abu Rayhan Al-Beruni and his Relevance to today's world' and presented paper entitled 'Abu Ryhan Al Beruni Alwal-o-Athar' at Department of Persian, J.M.I, New Delhi, 24-26 March 2010.

Participated in discussion, 'Persian manuscript and their preservation' at Indira Gandhi Centre of Fine Arts under mission manuscript, 28-30 March 2010.

Participated and presented research paper entitled 'Reception of Persian Poetry in the Sub Continent' at Otto Fredrick University, in Mid Term Conference Soviet as Iranological Europea Bamberg, West Germany, 10-12 July 2009.

Participated and presented research paper entitled 'Rukhanian Movement' in three-day International Seminar at Ministry of Information and Culture, Islamic Republic of Afghanistan, Kabul, 28-30 July 2009.

Participated and presented research paper entitled 'Fehrist Sazi ke Masail' in National Seminar on 'Tadween-e-Matn Aur Tarjume ke Masail' at Raza Library, Rampur, UP, 21-23 December 2009.

Participated in National Seminar on 'Critics, Criticism and Research Methodology' and presented paper entitled 'Farsi Tahqeeq Mein Fehrist Saazi Ke Masail', organized by the Department of Persian, 16 January 2010.

Presented a paper entitled 'Rampur Raza Library mein Zadul Muttaqeen ka Qalmi Nuskha: Ek Ta'arruf' at National Seminar on 'Indo-Arab relation past, present and future' organized by Rampur Raza Library, Rampur, 13-15 March 2010.

**Dr. Rajinder Kumar:** Presented a paper entitled 'Sheikh Hazin wat assobash' in AIPTA International Conference at BHU, Varanasi, UP, 12-14 December 2009.

Presented an article entitled 'Shehare Delhi dar Dastambue Ghalib', International Seminar at Delhi University, organized by the Department of Persian on 'Delhi's Past and Present: Focus on Persian Sources', 12-14 March 2010.



Presented a paper entitled 'Ahamiyyate Insan dar She're Iqbal' in Persian International Conference to honour the 132nd birth centenary of Allamae Iqbal Lahori at Sistan and Baluchestan University, Zabedan, Iran, 24-26 February 2010.

Participated and presented paper entitled 'Sheeva-i-Tanqidi-i-Siyalkoti Mal Waraste', National Seminar on 'Critics, Criticism and Research Methodology' organized by the Department of Persian, 16 January 2010.

**Dr. Allauddin Shah:** Participated in International Seminar at Delhi University, organized by the Department of Persian on 'Delhi's Past and Present: Focus on Persian Sources' and presented an Article entitled 'Amir Khusrau and Delhi', 12-14 March 2010.

Presented a paper entitled 'Dialogue of Civilizations: The Reconciliation of the East and the West as envisaged by Mohammad Iqbal' in three-day International Conference to honour the 132nd Birth Anniversary of Mohammad Iqbal Lahori at University of Sistan and Baluchestan, Zabedan, Iran, 24 -26 February 2010.

Presented a paper entitled 'Literary Research and Research Methodology' in National Seminar on 'Critics, Criticism and Research Methodology' organized by the Department of Persian, Delhi University, 16 January 2010.

**Prof. S.B.F. Husaini and Prof. Chander Shekhar:** Participated in Seminar on 'Critics, Criticism and Research Methodology' at Department of Persian, 16 February 2010.

## **Publications**

### **Books**

**Khatoon, R. (ed) 2010.** *Shaikh-ut-Taefa: Prof. Nazir Ahmad.*

**Khatoon, R. 2010.** (Decipher, translated, edited and published) *Shri Raghunath Ji Mandir.*

**Shekahr, C. 2010.** *Aryan Dictionary: Persian-English-Urdu and Hindi*, Vol. II. Tehran, Iran: Al-Hoda Publication.

**Husaini, S.B.F. 2010.** 'Nanhe Chashme Ka Safar', in *Qand-e-Parsi* (quarterly journal of Persian Culture, Language and Literature), Vol. 44-45, 36: 37, New Delhi: Iran Culture House.

**2010.** 'Seer-o-Ta'mmuli', in Annual *Persian Research Journal*, Department of Persian, Delhi University.

**Prof. Rehana Khatoon:** Contributed following articles for *Encyclopedia of Persian Language and Literature* (India and Pakistan), Tehran, Iran.

(i) 'Bishan Das Kaukab', (ii) 'Bidar Dehlavi', (iii) 'Tahseen Lucknawi', (iv) 'Mirza Jan Tapish', (v) 'Tasadduq Husain Rizvi', (vi) 'Tafazzul Husain Khan Dehlavi', (vii) 'Chap wa Chapkahneha' and (viii) 'Tafazzul Husain'.

**Khatoon, R. 2009.** 'Guzarish-i-Mukhtasari Az Safar-i-Iran', in *Qand-i-Parsi*. New Delhi: Iran culture House.

- 2009.** ‘Hasan Gulee ze Gulistan-i-Sa’di’ in *Naqsh-i-Ghazal Dar Adabiyat-i-Farsi* (magazine). Institute of Persian Research, AMU, Aligarh.
- 2009.** ‘Mohd. Adilshah k eDaur ka Ek Ghair Ma’roof Mo’arrikh: Fozooni Astarabadi, Tarikh-i-Bohera wa Ftoohat-i-Adilshahi’, published by Department of Persian.
- 2009.** ‘Wajood-i-Zan se hai Tasveer-i-Kaenat mein Rang,’ in *Ghalib Nama*. New Delhi: Ghalib Institute.
- 2009.** ‘Farsi k eek Khatti Nuskhe ka Ta’arruf,’ in *Ghalib Nama*. New Delhi: Ghalib Institute.
- 2009.** ‘Nazeer ke Ehad ka Agra, Ek Guzarish’ in *Ghalib Nama*. New Delhi: Ghalib Institute.
- Kumar, R. 2010.** *Mauj-i-Khursheed*, Vol.II, *Ahmmiyyat-i-Insaan Dar Sh’aer-i- Iqbal*, (ed) Mohd. Ali Zohrazade, pp. 1328-36.
- Shah, A. 2010.** ‘Dialogue of Civilizations: The Reconciliation of the East and the West as envisaged by Mohammad Iqbal’. In the proceedings of the International Conference on 132nd Birthday of Allama Muhammad Iqbal Lahori, (ed) Dr. Maryam Khalili Jahantigh. Sub-continent and South Asian Research Center, University of Sistan and Baluchistan, Zabedan, Iran.
- Shekhar, C. and Fouzia 2010.** ‘Bayan-i-Waqai’, A trend loge of Nadir Shai’s Period, in *Qand-i-Parsi*. New Delhi: Persian Research Centre, Iran Culture House.

## PHILOSOPHY

### Major Activities

All members of the Faculty are actively engaged in research, which has resulted in the publication of a large number of books, reports and articles in Philosophy journals and anthologies in India as well as in international journals and publications. Various members of the Department have also been actively associated with the Indian Council of Philosophical Research, University Grant Commission and Indian Institute of Advanced Studies, Shimla, in the ongoing research and teaching in Philosophy in Philosophy institutes and programmes in India and abroad.

### Ph.D./M.Phil. Degrees awarded

Ph.D.	-	1
M.Phil.	-	3

### Appointment of Faculty member to higher post/assignments.

**Dr. Enakshi Mitra:** Appointed and served as Reader in Department of Philosophy, West Bengal State University, Barasat, North 24 Parganas, West Bengal.

## **Honours/Distinctions**

**Prof. Ashok Vohra:** Appointed member of the Indian Council of Philosophical Research by the Government of India.

Appointed member of the Editorial/Advisory Boards of the following journals.

*Indian Philosophical Quarterly*, published by Pune University, Pune.

*Suvidya: Journal of Philosophy and Religion*, published by Suvidya College, Bangalore.

*Indian Journal of Analytic Philosophy*, published from Utkal University, Bhubaneswar.

*Multilingual International Journal Dilatato Corde* - Journal of Dialogue of Religious Experience, published from Rome, Italy.

*Journal of the Indian Council of Philosophical Research (JICPR)*, published by Indian Council of Philosophical Research, New Delhi.

## **Seminars /Conferences held**

**Prof. Ashok Vohra:** Delivered a lecture titled 'Traditional Indian Humanism: A Comparative Perspective' in the International workshop on 'A Transcultural Exploration of Ethics: A Dialogue Between Western and Indian Traditions' at Carleton University, Ottawa, Canada, 23-24 June 2009.

Delivered the Presidential Address titled 'Swadeshi - The Spirit of Swaraj', National Seminar on 'Swaraj, Culture and Education', Assam University, Silchar, 7-9 January 2010.

Delivered the Keynote Address titled 'Machines, Consciousness and Intelligence', National Seminar on 'Consciousness and Self-Identity', Pondicherry University, Puducherry, 21-23 January 2010.

Delivered the Keynote Address titled 'Morality and Religion: Are the Two Related?', IV National Conference on 'Morality and Religion: Exploring Their Relationship', Delhi University, Delhi, 29-30 January 2010.

Delivered the Valedictory Address titled 'Brains, Consciousness, Cognition and Culture' at the National Seminar on 'Culture and Cognition: A Development Perspective', Department of Psychology, Delhi University, 23-25 January 2010.

Delivered a lecture on 'What Ails Teaching and Research in Philosophy in Present Day India?', in the ICPR sponsored National Symposium on 'The State of Study, Teaching and Research in Philosophy in India', K.J. Somaiya Centre for Buddhist Studies, Mumbai, 23-25 October 2009.

Delivered a lecture on 'Philosophy and Democracy: Are the Two Compatible', in the ICPR sponsored Round Table on 'Democracy and Philosophy', K.J. Somaiya Centre for Buddhist Studies, Mumbai, 26 October 2009.

Delivered two lectures on 'Environment and Eco-ethics' and one lecture on 'Culture and Modernism' in the Orientation and Refresher Course at UGC Academic Staff College, Lucknow University, Lucknow, 27-28 November 2009.

Delivered a lecture on 'Indianness - An Eternal Value', National Seminar on 'Basic Values Embodied in Indian Culture and Their Relevance in Resolving Problems of Communal Conflict, Social Injustice Human Rights' Violation and Terrorism', Rani Durgawati Vishwavidyalaya, Jabalpur, 25 March 2010.

Participated in the ICPR sponsored Workshop on 'World's Religions After 26/11', ICPR Academic Centre, Lucknow, 24-25 February 2010.

**Dr. Ajay Verma:** Presented a paper on 'Ethics, Language and The Authority of Tradition: A Hermeneutical Appraisal of Grammarians and Mimamsa Schools of Indian Philosophy' in a Conference organized by Carleton University, Ottawa, on 'Ethics and Religion: Transcultural Perspectives', 24-25 June 2009.

Presented a paper on 'I and the Other: A Hermeneutical Study of the Epistemological Models available in Indian Philosophy', International Seminar organized by Department of Philosophy, Delhi University, 16-18 February 2010.

**Dr. Shashi Motilal:** Presented a paper on 'Human Rights, Human Moral Obligations and Moral Relativism' at Conference on 'A Transcultural Exploration of Ethics: A Dialogue between Western and Indian Traditions', organized by Carleton University, Ottawa, Canada, 23-24 June 2009.

**Prof. Hari Shankar Prasad:** 'Significance of Water in Indian Tradition: A Cosmological, Religious, and Cultural Study', presented in the 3rd Conference of South and South-East Asian Association for the Study of Culture and Religion (an affiliate of UNESCO, IAHR and CIPSH) on 'Water in South and South-East Asia: Interaction of Culture and Religion', Bali, Indonesia, 3-6 June 2009.

Participated in International Conference on 'Exploring Tibet's History and Culture' jointly organized by Delhi University and Central University of Tibetan Studies, Sarnath, Varanasi, 19-21 November 2009.

Memorial lecture on 'Sikhism and Buddhism: An Interfaith Dialogue', Punjab University, Patiala, 4 December 2009.

Two lectures on 'Buddhist Ethics', Department of Philosophy, Banaras Hindu University, 3-4 February 2010.

Two special lectures on 'Dignaga's Epistemology and Semantics', Department of Philosophy, University of Allahabad, 5-6 February 2010.

Participated in International Seminar on 'I, We, and the Other: Asymmetries of Moral Dilemma', under the auspices of Delhi University and Carleton University, Ottawa, Canada, 16-18 February 2010.

Three lectures on 'Community and Modernity: A Buddhist Perspective', under the Winter School Lecture Series, North East Hill University, 28 February-2 March 2010.

Chaired a Section and read a paper titled 'Asian Philosophy: A Buddhist Paradigm of Interfaith Dialogue' in the First Asian Philosophy Congress, 6-9 March 2010.

Delivered a lecture on 'Buddhism and Islam: An Interfaith Dialogue', Department of Philosophy, Rani Durgavati University, Jabalpur, 25-27 March 2010.

**Dr. Bindu Puri:** Presented a paper on 'Gandhi's Translation of the Apologia; A dialogue with Socrates', International Conference on 'A Trans Cultural Exploration of Ethics: A Dialogue between Western and Indian Traditions', Department of Philosophy, Carleton University, Ottawa, Canada, 23-24 June 2009.

Presented a paper entitled, 'I and the other: Gandhian Swaraj and Satyagraha', International Seminar on 'I, We and the other; Assymetries of moral evaluation' organized by the Department of Philosophy, Delhi University, 16-18 February 2010.

Presented a paper entitled 'Swaraj and Satyagraha in Gandhi', South Asian Philosophical Congress, School of Social Sciences, JNU, New Delhi, 8 March 2010.

Delivered a lecture 'Hind swaraj: Central philosophical arguments', Winter school on 'Tribes, Modernity and Community', organized by IIAS at NEHU, Shillong, 23 February 2010.

Delivered a lecture 'Understanding Gandhian Swaraj', Winter school on 'Tribes, Modernity and Community', organized by IIAS at NEHU, Shillong, 24 February 2010.

Delivered a lecture 'Self and the other in Gandhi', Winter school on 'Tribes, Modernity and Community', organized by IIAS at NEHU, Shillong, 25 February 2010.

Presented a lecture on 'Literature and Philosophy', UGC sponsored Refresher Course on 'The Philosophy of Literature: Language, Meaning and Ideology', Department of English, NEHU, Shillong, 23 February-15 March 2010.

Presented a lecture on 'Philosophy and literature: Tagore's Nationalism and Gora', UGC sponsored Refresher Course on 'The Philosophy of Literature: Language, Meaning and Ideology', Department of English, NEHU, Shillong, 23 February-15 March 2010.

Gave a talk 'Hind swaraj and liberalism', National seminar on 'Hind Swaraj and its relevance in Modern Times', organized by UGC at the Gandhi Study centre, National Postgraduate College, Lucknow, 2-3 October 2009.

Presented a paper entitled 'Gandhian swaraj; Developing conflict in ideas', National Seminar on 'Swaraj, culture and education', Department of Philosophy, Assam University, Silchar, Assam, 7-9 January 2010.

Presented a paper entitled 'The politics of difference: Liberalism and Gandhi', National Seminar on 'Democracy, Secularism and Modernity', Department of Philosophy, Madras University, 18-19 March 2010.

**Dr. Enakshi Mitra:** Presented paper in First Asian Philosophy Congress organized by ICPR, New Delhi, March 2010.

**Dr. Shashi Motilal:** Presented a paper on 'The Ethical Use of Animals in Research and Breeding' at CPCSEA National Conference 2010, New Delhi, January 2010.

### **Publications**

**Vohra, A. 2010.** 'Man and Environment', in *Human Freedom and Environment: Contemporary Paradigms and Moral Strategies*, ed. Khandoori, I.P. Delhi: Kalpaz Publications, pp. 35-43.

**2009.** 'Religious Beliefs, Science and Explanation', *Journal of the Indian Council of Philosophical Research*, Vol. XXIV, No.3, pp. 71-86. Reprinted in *The Nigerian Journal of Philosophy*, Vol. 22. No.1, ISSN 0189-885 X, pp. 3-19.

**Motilal, S. 2009.** 'Self-Knowledge, Self Agency and the Problem of Alienation', *Journal of the Indian Council of Philosophical Research*, Vol. 25, No.3.

**2009.** 'Philosophical Foundations of Human Rights and the Aim of Education', in *Perspectives in Education*, Golden Jubilee Commemoration Volume of JSS Mahavidyapeetha, edited by Prof. Chandrashekharaih.

**2010.** 'Moral Relativism and Human Rights', in *Understanding Social Inequality: Concerns of Human Rights, Gender and Environment* edited by Shashi Motilal and Bijayalaxmi Nanda. New Delhi: Macmillan Publishing Co.

2010. Introductory Chapter in *Understanding Social Inequality: Concerns of Human Rights, Gender and the Environment*, edited by Shashi Motilal and Bijayalaxmi Nanda. New Delhi: Macmillan Publishing Co.

**Motilal, S. and Nanda, B. (eds) 2010.** *Understanding Social Inequality: Concerns of Human Rights, Gender and Environment*. New Delhi: Macmillan Publishing Co.

**Mitra, E. 2010.** 'Russell and Carnap: "Constructing" Metaphysical Dichotomies'. In *History of Indian Science, Philosophy, and Culture in Indian Civilization*, Vol. XII, Part 5 (ed. D.P. Chattopadhyay), 25:449-468. PHISPS, New Delhi.

**Puri, B. 2010.** 'Secularism and the Devout, A Gandhian Reading', in *In Quiet Conversation: Essays for Mrinal Miri*, (eds) Jyotirmaya Sharma and A. Raghuramraju. New Delhi: Routledge.

**2009.** 'History, Time and the Construction of the Non-Violent Praja/Nation: A Gandhian Intervention', in *Man and society, Journal of the Indian Council of Social Science Research*, Vol. 6, Shillong, Meghalaya.

**2010.** 'Gandhi's Translation of Plato's Apologia: a Dialogue with Socrates', in *The Journal of the Indian Council of Philosophical Research*, 26(2), New Delhi.

## SANSKRIT

### Major Activities

The Department of Sanskrit engaged itself in numerous activities pertaining to the academic metamorphosis going on in the University. First, the Department introduced an entrance test of high standard for both M.Phil. and Ph.D. programmes to bring about academic reform. Simultaneously, it successfully introduced the semester system in M.A. course. For introducing semester system at the undergraduate level, the Department prepared a new syllabus which consists of many new papers. The new syllabus was appreciated for incorporating Mathematics, Science, Technology, Logic, Aesthetics, Theatre and Astronomy found in ancient Sanskrit texts.

### Ph.D./M.Phil. Degrees awarded

Ph.D.	-	23
M.Phil.	-	26

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Translation with critical notes of Bhasarvajna's Nyayabhusana.	Dr. Satyamurti	R&D-DU

### Honours/Distinctions

**Prof. Dipti Tripathi:** Director of National Manuscripts Mission, IGNC, New Delhi.

**Dr. Mithilesh Chaturvedi:** Nominated by H.E. the Governor of Sikkim as Member, Namgyal Institute of Tibetology, Gangtok.

### Seminars/Conferences held

The Department of Sanskrit at South Delhi Campus, in collaboration with WAVES, organized a National Seminar on 'Creation and Existence: Indian Perspective', 24-26 December 2009.

Prof. Narendra Nath Choudhury Memorial Lecture Series: Goswami Shyam Manohar Ji, a noted scholar of the Vallabha Vedanta, delivered his exploratory lecture on 'Brahmvadi Sahisnuta', 22 January 2010.

### Seminars/Conferences attended

**Dr. Sharda Sharma:** 'Vedic Vanmay Mein Vakvidya', World Vedic Conference, Gurukul Kangri Vishwavidyalaya, Haridwar, 20-22 November 2009.

**Dr. Shakuntala Punjani:** All India Seminar conducted by WAVES and Department of Sanskrit, South Delhi Campus, Delhi University in December 2009.

'Manuscriptology' organized by National Manuscript Mission, Delhi, 16 February 2010.

'Relevance of Sanskrit and its Literature in Modern Globalization', Lakshmbai College, March 2010.

**Dr. Purnima Kaul:** International Conference: 'Exploring Tibet's History and Culture', Delhi University, November 2009.

## **Publications**

### **Books**

**Chaturvedi, M. 2009.** (ed) *Bhartrhari: Language Thought and Reality* (Proceedings of the International Seminar, Delhi), Delhi: Motilal Banarasidass.

**2010** (ed) *Laghusiddhantakaumudi of Varadaraja*, Vol. 1, translated and elucidated by Dr. Kashi Ram, Delhi: Motilal Banarsidass.

**Satymurti, 2010.** *Introduction to the Logic of Bhasarvajna*. Varansi: Chukhamba Surbharti.

### **Research Articles**

**Kaul, P.** 'Ancient Sanskrit Texts', Jawahar Lal Nehru University, New Delhi.

## **URDU**

### **Major Activities**

The Department of Urdu celebrated its Golden Jubilee on completion of 50 years of its establishment from 27-29 April 2010 at the Viceregal Lodge, University of Delhi. The Hon'ble Chief Minister of Delhi inaugurated the Golden Jubilee Celebrations. The Minister for Health and Family Welfare, Govt. of India, presided over the function. Sh. K. Rehman Khan, Deputy Chairman, Rajya Sabha; Sh. Salman Khursheed, Minister for Minority and Corporate Affairs, Govt. of India; Smt. Kiran Walia, Health Minister, Govt. of Delhi and Sh. Haroon Yusuf, Minister for Food and Civil Supplies, Govt. of Delhi attended the inaugural session as Guests of Honour. A centre of National Testing Service has been set up in the Department of Urdu.

### **Ph.D./M.Phil. Degrees awarded**

Ph.D.	-	7
M.Phil.	-	22

### **New Additions**

Dr. Mushtaq Alam Qadri	-	Assistant Professor
Mr. Mithun Kumar	-	Assistant Professor



### **Seminars/Conferences held**

A lecture entitled, 'Adab Kyon?' on the eve of National Education Day was delivered by Dr. Ashok Vajpeyi, Chairman, Lalit Kala Akademi, 10 November 2009.

The Prof. Khwaja Ahmad Farooqui Memorial Lecture was delivered by Gopi Chand Narang, Former President, Sahitya Akademi and presided over by Janab Intezar Hussain, 10 December 2009.

International Seminar on 'Urdu Mein Khawateen Novel Nigar', 14-15 December 2009.

XXVII Nizam Lecture was delivered by Prof. Sayed Ehtesham Hasnain, Vice-Chancellor, University of Hyderabad, 31 March 2010.

### **Publications**

The following were edited by Prof. Irteza Karim and published by the Department of Urdu, University of Delhi:

- (i) *Delhi Urdu Akhbar 1841*
- (ii) *Delhi Urdu Akhbar 1857*
- (iii) *Nizam Urdu Lectures 1966-2009* in two volumes.
- (iv) Monographs on retired teachers of the department.
- (v) *1857-Pahli Jang-e-Azadi* (Seminars Papers).

## **FACULTY OF SCIENCE**

### **ANTHROPOLOGY**

#### **Major Activities**

Under the Special Assistance Programme of UGC for this academic year, the Department conducted fieldwork at Habbal village in Hamirpur district of Himachal Pradesh. Data on physical growth, and biochemical and serological markers were collected and analysed and the third year progress report was submitted to UGC in March. Two teachers also conducted the fieldwork in Kullu and Manali districts. During this fieldwork, Malanese, an ethnic group of Greek descent, was identified for the first time for anthropological studies. Some basic ethnographic data was also collected. After approval of the progress report by the UGC committee, the SAP programme was recommended for the fourth year.

The Biochemical and Molecular Anthropology laboratory of the department has made significant contribution in the areas of genome diversity and disease association studies. Concerning genome diversity studies, the laboratory has made immense contribution in understanding the peopling of India by studying various autosomal and mitochondrial markers across 25 endogamous population groups covering areas of Himachal Pradesh, Delhi, Haryana, Rajasthan, Gujarat, Andhra Pradesh, Karnataka, Jharkhand, Manipur and Nagaland.

The exploration has been done twice in Giddalur region of Prakasham District in Andhra Pradesh by Dr. M.K. Singh. The purpose of this exploration was to discover new palaeolithic sites. Four new primary sites have been discovered, which was in situ. The area near Tirupati, Andhra Pradesh, has been explored and two lower palaeolithic sites have been found, which have been deposited in laterite. All these sites will be excavated in the near future.

### **Ph.D./M.Phil. Degrees awarded**

Ph.D.	-	11
M.Phil.	-	3

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Genetic structure, diversity and health dynamics among human populations.	Prof. A.K. Kapoor	DU
Collaborator with Global Forum for Disaster Reduction, Mumbai, in International platform for recovery, on status of recovery in Gujarat earthquake.	Prof. P.C. Joshi	Kobe Japan
Prevalence and covariates of overweight/obesity among children and adults in urban population of North India and to establish anthropometric indices for general and regional obesity.	Prof. Satwanti Kapoor	UGC
Obesity with international clinical epidemiological network.	Dr. K. N. Saraswathy	INCLIN
A Study on the incidence of Genetic Thrombophilia among women with pregnancy complication.		DBT
A genomic study on Oraons and Mundas of Ranchi District, Jharkhand.		UGC

### **New Additions**

Dr. V.R. Rao	-	Professor
Ms. Avitoli Zhimo	-	Assistant Professor

## **Appointment of faculty member to higher Posts/Assignments**

**Prof. S.L. Malik:** Appointed Vice-Chancellor of Gorakhpur University.

## **Honours/Distinctions**

**Prof. A.K. Kapoor:** Member of Editorial Board, *The Open Anthropology Journal*; Member Indo-European Association of Elderly Studies, Basel, Switzerland; Member, Advisory Committee, Academic Staff College, Dr. Hari Singh Gaur Vishwavidyalaya, Sagar, and Member of UGC Expert Committee on Human Rights Education, New Delhi.

Vidya Ratan Award, Economics for Health and Education Growth, New Delhi.

Man of the Year Award (2009), Gwalior Vikas Samiti, Gwalior.

Associate Editor, *Journal of Border Studies*, Nepal.

**Prof. P.C. Joshi:** Awarded Certificate of Appreciation in the III National PG Convention of the Indian Association of Public Health Dentistry, K.D. Dental College and Hospital, Mathura, 24-26 July 2009.

Visited Lisbon, Portugal, to participate in the European Sociological Association Conference and presented a paper entitled 'Social Impact of Disaster in Holistic Perspective' co-authored with D. Guha-Sapir, Catholic University of Louvain, Belgium, <http://esa.abstractbook.net/abstract.php?aID=1237>, 2-5 September 2009.

Visited University of Indonesia, Depok, to participate in the Multi Meeting workshop and made a presentation on Qualitative Research Analysis, 10-14 October 2009.

Awarded Certificate of Appreciation on his research on Disaster Impacts in Asia and Europe by the Faculty of Public Health, University of Indonesia, 13 October 2009.

Nominated Chairman, Kendriya Vidyalaya Sangathan Senior Secondary School, Keshav Puram, October.

Visiting Professor (2009-10) to Kannur University, Kannur, Kerala. Delivered the Kannur University Seminar Series Inaugural Lecture on the topic 'Traditional Healing Systems: Status and Future', 19 January 2010.

Expert external member, Internal Quality Assurance Forum, Jiwaji University, Gwalior, October 2009 onwards and Member of National Working Group, Global Antibiotic Resistance Partnership-India coordinated by the Centre for Disease Dynamics, Economics and Policy, Washington DC, USA, October 2009.

## **Seminars/Conferences attended**

**Prof. P.C. Joshi:** Joint Organizer, Workshop on 'Impacts of Floods in Uttar Pradesh', Giri Institute of Development Studies, Lucknow, June 2009.

Director, National Conference on Medical Anthropology and Health Care, Society for Indian Medical Anthropology, Hampi, Karnataka, 1-3 February 2010.

**Prof. Satwanti Kapoor:** Attended National Workshop on 'Understanding Educational TV Programmes, Problems and Prospects', India Habitat Centre, 17 December 2009.

National Seminar on 'Sociocultural Anthropology: Prospects and Challenges', CAS Department of Anthropology, Utkal University, in collaboration with Anthropological Survey of India, Kolkata and NKC Centre for Development Studies, Bhubaneswar, 27-28 March 2010.

**Dr. M.K. Singh:** Attended and presented a paper entitled 'Analysis of Mode I industry: Ca' Belvedere di Monte Poggiolo, Forli, Italy' at the 97th Indian Science Congress at University of Kerala, Thiruvananthapuram, 3-7 January 2010.

## **Publications**

### **Books**

**Kapoor, A.K. and Patra, P.K. 2009.** *Demography and Development: Dynamics in a Primitive Tribe of Himalayas*. Dehradun: International Book Publications.

**Gupta, S. and Kapoor, A.K. 2009.** *Human Rights Among Indian Population: Knowledge, Attitude and Practice*. New Delhi: Gyan Publishing House.

**Kumar, R.K. and Kapoor, A.K. 2009.** *Management of a Primitive Tribe: Role of Development Dynamics*. New Delhi: Academic Excellence.

**Gautam, R., Kshatriya, G.K. and Kapoor, A.K. 2010.** *Population Ecology and Family Planning: A Demographic Anthropology of Himalayan Population*. New Delhi: Serial Publications.

**Joshi, P.C. 2009.** Impact of Floods in context of Bahraich, Joshi, P.C., Kaushal, S., Khattri, P. and Akerkar, S. Microdis, Department of Anthropology, Delhi University. (In Hindi).

Working Paper Series, Microdis. Department of Anthropology, Delhi University, 2009.

**Joshi, P.C., Kaushal, S., Aribam, B.S. and Khattri, P. 2010.** 'Medical Anthropology and Disaster Management'. *Microdis Working Paper Series*. Department of Anthropology, Delhi University.

**Joshi, P.C., Saraswathy, K.N., Kumar, R., Samtani, R., Joy, R., Dhall, M. and Ghosh, P.K. 2010.** *Bio-cultural Diversity in a Village of Hamirpur District in HP*. New Delhi: UGC SAP Report, Department of Anthropology, Delhi University.

**Kapoor, S.** Obesity: A multidimensional approach to contemporary global issue. (eds) Sinha, R. and Kapoor, S., Delhi: Dhanraj Publishers.

**Saraswathy, K.N. and Elizabeth, A.M. 2009.** *Thoti Tribe of Andhra Pradesh-A Demo-Genetic Study*. Delhi: Abhijeet Publications. Department of Anthropology, Delhi University.

## **Research Articles**

**Gautam, R.K., Kapoor, A.K. and Kshatriya, G.K. 2009.** 'Natural Selection Among Kinnaura of the Himalayan Highland: A Comparative Analysis with their Indian and Himalayan Population'. *Indian J. Human Genetics*, 15: 38-49.

**Kapoor, A.K. 2009.** 'Management of Higher Education Among Scheduled Tribes of India: Science and Technology for Future Strategy'. In: *Higher Education-Quality and Management*, S.M. Paul Khurana (ed). Jalalpur: Navjot Publications.

**Kapoor, A.K., Dhall, M. and Tyagi, R. 2009.** 'Nutritional Status and Ageing among Car Nicobarese and Nokia males of India'. *The Open Anthropology Journal*, 2.

**Kapoor, S., Tyagi, R., Saluja, K., Chaturvedi, A. and Kapoor, A.K. 2010.** 'Emerging Health Threats Among a Primitive Tribal Group of Central India', *J. Public Health and Epidemiology*, 1(2): 20-27.

**Kapoor, S., Dhall, M. and Kapoor, A.K. 2010.** 'Nutritional Status and Ageing among Populations inhabiting varied Geographical Regions in India'. *Biennial Books of EAA*, 6: 85-100.

**Khattri, P., Joshi, P.C., Minakshi, Singh, M.M. and Guha-Sapir, D. 2009.** 'Projections of Disaster: Investigations into Visual and Textual Images of floods in Badaun, Uttar Pradesh'. *Microdis Working Papers Series*, Delhi. pp. 60-77.

**Minakshi, Joshi, P.C. and Guha-Sapir, D. 2009.** 'Women in Disasters: A Case Study of Kosi Flood in Bihar'. *Microdis Working Papers Series*, Delhi. pp. 78-86.

**Sharma, K., Joshi, P.C., Kaushal, S., Khattri, P. and Guha-Sapir, D. 2009.** 'Stakeholder's Perception on flood Impacts: Qualitative Analysis'. *Microdis Working Papers Series*, Delhi. pp. 87-93.

**Joshi, P.C. 2009.** Contributor in *Indigenous Knowledge for Disaster Risk Reduction in South Asia*. Chakrabarti, PG Dhar, Srivastava, Sanjay and Shakya, Binod. 2009. New Delhi: Macmillan Publishers India Ltd.

**2009.** Contributor in *Infant and Young Children Feeding in Emergencies*. Solution Exchange-UN. August, <http://www.solutionexchange-un.net.in/health/cr/cr-se-mch-drm-13070901.pdf>.

**Joshi, P.C. and Guha-Sapir, D. 2009.** 'Social Impact of Disasters in Holistic Perspective', in *Proceedings of the European Sociological Association*, Lisbon, Portugal. <http://esa.abstractbook.net/abstract.php?aID=1237>.

**Joshi, P.C. 2009.** 'Cultural Profile of Central Himalayas'. In Sharma, M.B., Kaul, V., Sarkar, V. and Joardar, V. (eds) *Bio-cultural Profile of Central and Western Himalayas*. Serials Publication. pp. 68-93.

2009. 'Culture and Nature'. *World Focus*, 30, 9: 351-7.
- Joshi, P.C. and Kaushal, S. 2010.** 'Medical Anthropology and Disaster Management'. *Microdis Working Papers Series*, Delhi. pp. 7-11.
- Joshi, P.C., Aribam, B.S., Kaushal, S. and Guha-Sapir, D. 2010.** 'Flood Impact on cough and cold among under five children in Bahraich district, Uttar Pradesh, India'. *Working Papers Series*, Delhi. pp. 12-28.
- Kaushal, S., Joshi, P.C. and Khattri, P. 2010.** 'Health Impact of Floods in Bahraich district of Uttar Pradesh'. *Working Papers Series*, Delhi. pp. 29-37.
- Minakshi and Joshi, P.C. 2010.** 'Health and Violence against Women in Disaster: Case study of Kosi flood in Bihar'. *Working Papers Series*, Delhi. pp. 38-48.
- Mir, U.A. and Joshi, P.C. 2010.** 'Trauma, Suffering and Medical Anthropology: Some reflections in the context of findings from Jammu and Kashmir'. *Working Papers Series*, Delhi. pp. 50-87.
- Kumar, S. and Joshi, P.C. 2010.** 'Microfinance, women health and empowerment: A case study of Self-Employed Women Association, Bikaner, Rajasthan'. *Working Papers Series*, Delhi. pp. 88-98.
- Joshi, P.C. 2009.** 'Involving Community, Civil Society and NGOs in Disaster Management'. *southasiadisasters.net*. Issue 67, p.15.
- Joshi, P.C., Singh, M. Meghachandra, Guha-Sapir, D and Marx, Michael. 2009.** 'Social Contours of Mental Illness in a Peri-Urban Resettlement Delhi'. *The Eastern Anthropologist*, 62(3): 345-59.
- Lamkang, A.S., Joshi, P.C. and Singh, M.M. 2009.** 'Assessing the Quality of life and Needs of HIV/AIDS Patients in Manipur: A Preliminary Study'. *Journal of Communicable Diseases*, 41(4): 221-7.
- Joshi, P.C. and Sharma, K. 2010.** 'Climate Change Issues Beyond Copenhagen'. *World Focus*, 31, 3: 85-89, [http://www.cnfworldfocus.org/index\\_files/363.htm](http://www.cnfworldfocus.org/index_files/363.htm).
- Joshi, P.C. 2010.** (quoted in). 'Assessing the Impact of Disaster'. *International Innovation: Disseminating Science, Research and Technology*. Bristol, UK, p. 40.
- Kapoor, A.K., Tyagi, R. and Kapoor, S. 2009.** 'Nutritional Status and Cardio-Respiratory Functions among Adult Raji Males, a Hunter and Gatherer Tribe of Indian Himalayas'. *Anthropological Science*, Vol. 117: 1-7.
- Sinha, R. and Kapoor, S. 2009.** 'Gender differences in fat indices as evident in two generations'. *Anthropol. Anz.*, 67(2): 153-63.
- Kapoor, S., Tyagi, R., Saluja, K., Chaturvedi, A. and Kapoor, A.K. 2010.** 'Emerging health threats among a primitive tribal group of central India'. *Journal of Public Health and Epidemiology*, 2(2): 13-19, April. Available online at <http://www.academicjournals.Org/jphe>. © 2010 Academic Journals.

- Singh, M.K. 2009.** 'Is Study of Stone Age Cultures Dead in India?' In *Status of Prehistoric Studies in the Twenty-first Century in India*, Roy, R. and Jayaswal, V. (eds). Oxford: Archaeo Press, pp. 75-6.
- Kapoor, A.K., Singh, M.K., Kaur, J. and Sinha, R. 2010.** 'Natural Selection Indices among Caste Groups of Western Himalaya'.
- Gupta, V., Saraswathy, K.N., Khadgawat, R. and Sachdeva, M.P. 2009.** 'Genome-wide Association: A Revolutionary Approach'. *Int. J. Hum Genet*, 9(2): 97-103.
- Saraswathy, K.N., Kiranmala, N., Murry, B., Sinha, E., Saksena, D., Kaur, H. and Sachdeva, M.P. 2009.** 'A Genomic Insight into the Diversity among Tribal and Non-Tribal Population Groups of Manipur'. *Biochemical Genetics*, 47(9-10): 694-706.
- Md Asghar, Achoubi, N., Meitei, S.Y., Meitei, K.S., Murry, B., Saraswathy, K.N. and Sachdeva, M.P. 2009.** 'Haptoglobin polymorphism among three populations of Manipur, India: a critical analysis'. *Internet Journal of Biological Anthropology*. 3(2).
- Saraswathy, K.N., Meitei, S.Y., Murry, B., Devi, N.K., Sinha, E., Gupta, V., Mukhopadhyay, R., Md Asghar, Devi, N.A., Meitei, K.M. and Sachdeva, M.P. 2009.** 'Population Severance in Manipur at DRD2 locus'. *Genetic Testing and Molecular Biomarkers*, 13(6): 831-39.
- Mukhopadhyay, R., Saraswathy, K.N. and Ghosh, P.K. 2009.** 'MTHFR C677T and Factor V Leiden in Recurrent Pregnancy Loss: A Study Among an Endogamous Group in North India'. *Genetic Testing and Molecular Biomarkers*, 13(6): 861-65.
- Saraswathy, K.N., Samtani, R., Md. Asghar, Walia, G.K. and Saxena, R. 2009.** 'À-Thalassaemia among the Sindhi community in Delhi'. *The National Medical Journal of India*, 22(6): 334-35.
- Saraswathy, K.N., Meitei, S.Y., Gupta, V., Murry, B. and Sachdeva, M.P. 2010.** 'Allelic and haplotypic structure at DRD2 locus among five North Indian caste populations'. *American Journal of Physical Anthropology*, 141(4): 651-57.
- Sinha, E., Walia, G.K., Gupta, B.K., Ghosh, P.K. and Saraswathy, K.N. 2010.** 'LDL-R AvaII and NcoI polymorphisms: An indirect risk factor for coronary heart disease among a Mendelian population of Delhi'. *India Biochemical Genetics* (published online).
- Gautam, K.K., Aggarwal, A., Khurana, P., Huidrom, S.S., Yazdi, M.I., Saraswathy, K.N. and Ghosh, P.K. 2010.** 'Genomic and Linguistic Affinities: A Study of Allelic and Haplotype Diversity at DRD2 Locus Among the Tribes of Gujarat, Western India'. *Genetic Testing and Molecular Biomarkers*, 14 (2): 215-23.
- Singh, H.S. and Saraswathy, K.N. 2010.** 'Haptoglobin Polymorphism among the Brahmins of Solan District, Himachal Pradesh'. *Anthropologist*, 12(3): 211-14.

**Achoubi, N., Md. Asghar, Meitei, S.Y. Sachdeva, M.P., Sarawathy, K.N. and Murry, B. 2010.** 'Haemoglobinopathies and glucose-6-phosphate dehydrogenase deficiency in a malaria endemic region of Manipur, northeast India'. *Anthropological Science*.

### **Reports**

Microdis Working Paper Series. Department of Anthropology.

**Joshi, P.C., Kaushal, S., Aribam, B.S. and Khattri, P. 2010.** 'Medical Anthropology and Disaster Management.

**Joshi, P.C., Saraswathy, K.N., Kumar, R., Samtani, R., Joy, R., Dhall, M. and Ghosh, P.K. 2010.** *Bio-cultural Diversity in a Village of Hamirpur District in Himachal Pradesh*, UGC SAP Report, Department of Anthropology.

## **BOTANY**

### **Major Activities**

#### ***In vitro* technologies**

Rapid micropropagation of *Cymbidium* hybrids (Orchidaceae) by using transverse thin cell layer technology.

Induction and control of vegetative adulthood by rhizome formation in bamboos and axillary shoot proliferation and *in vitro* flowering from the nodal explants of *Bambusa balcooa* Roxb.

*In vitro* propagation of *Cattleya* Summer Song, a commercially important orchid hybrid.

Allelopathic effects of *Parthenium hysterophorus* L., *Trianthema portulacastrum* L. and *Amaranthus spinosus* L. on germination and growth of seedlings of *Bambusa bambos* (L) Voss and *Dendrocalamus strictus* Nees.

*In vitro* optimization of psoralen, an anticancerous compound from callus cultures of *Psoralea corylifolia* using various elicitors and isolation of key enzyme gene (psoralen synthase).

*In vitro* bio-control of malarial and filarial vectors using crude extract and isolated fractions of medicinal herbs (*Spilanthes* spp.) and characterization of the larvicidal compounds.

#### **Mass propagation technologies**

Efficient micropropagation protocols have been developed in some elite medicinal plants such as *Spilanthes* spp., *Stevia rebaudiana*, and *Psoralea corylifolia*.

Developing a cost-effective protocol for mass propagation of orchids by using natural additives.

Achieved somatic embryogenesis, rhizome induction and *in vitro* flowering in various bamboo species and are now concentrating on understanding their physiology.



## **Microbiology**

Microbial antagonism: Application of soil bacteria showing biocontrol potential against *Fusarium* spp.

Production of indole-3-acetic acid (IAA) by a thermophilic bacterium *Thermoactinomyces vulgaris*.

Screening of extracellular hydrolytic enzymes and characterization of amylase from *Thermoactinomyces vulgaris* Tsiklinsky.

Evaluation of antagonistic *Gliocladium virens* against some tropical pathogenic *Fusarium* for biological control.

Production of indole-3-acetic acid (IAA) by a thermophilic bacterium *Thermoactinomyces vulgaris*.

Neutralization of alkaline industrial wastewaters using *Exiguobacterium* sp. Cost effective AMF formulation to improve the yield of commercially important medicinal plants.

Molecular aspects of plant-nematode interaction.

Study of diversity ecology and biology of marine algae of the Andaman and Nicobar Islands.

Culture and cultivation of some economically important seaweeds of Indian coasts.

Seed production through protoplast isolation and tissue culture of some economically important seaweeds of Indian coasts.

## **Plant Developmental Biology and Biotechnology**

Development of mapping population and identification of markers linked to apomixis in *Cenchrus ciliaris*. Embryo-sacs of 310 individuals of *Cenchrus* have been analysed using ovule clearing technique. Obligate apomictic and sexual individuals were identified in the mapping population which was used for AFLP analysis. 37 AFLP fragments associated with apomixis have been identified and they are cloned and sequenced.

Sex-related molecular markers (ISSR) have been developed using physiologically mature male and female plants of jojoba (*Simmondsia chinensis*), a commercially important dioecious petro crop.

Molecular characterization of a large number of *Vigna* species, selected taxa of the family Hyacinthaceae having medicinal value and oil-yielding taxa *Sesamum*.

Proteomics and genomic analysis of Seabuckthorn to search for cold relevant proteins and genes. Profiling of small RNAs unique to Apomictic addition lines in *Pennisetum glaucum* through the subtractive small RNA library.

Isolation of sex linked genes and gender specific DNA markers in *Hippophae rhamnoides*.

Molecular markers and descriptor development in tea.

Transgenic approaches for frost resistance in mustard.

DNA Barcoding of *Dendrobium* by studying intra- and interspecific divergence in selected loci of from chloroplast and nuclear genome of different species of *Dendrobium*.

Proteomics approach to decipher partial S-nitrosoproteome of *Brassica* and *K.pinata* to design pollution quenching trees in future after understanding the NO metabolism in plants.

Profiling of small RNAs unique to Apomictic addition lines in *Pennisetum glaucum* through Subtractive small RNA library.

Plant retrotransposon biology and genome evolution.

Trait manipulation using miRNA genes in *Brassica*.

### **Plant physiology**

Regulation of plant growth and development providing further insights in (i) stress-induced differentiation of epiphyllous buds in Crassulacean leaf succulents and its hormonal relations, (ii) regulation of seed dormancy during pre- and post-harvest phases in balsam and (iii) modulation of root differentiation in mung bean by local anaesthetic agents.

Molecular aspects of potato tuberization.

Biochemical and functional characterization of NDL proteins in plants.

### **Plant Reproductive Biology**

Worked out sexual system in *Schleichera oleosa* (Lour.) Oken (Sapindaceae) by studying (i) phenology and (ii) floral biology by selecting some trees in the population to establish the prevailing sexual system in *Schleichera oleosa* demonstrating that *S. oleosa* exhibits subdioecy comprising male, female and andromonoecious trees which evolved through the gynodioecious pathway.

Reproductive biology in *Oroxylum indicum* (L.) Kurz establishing that short-nosed bat *C. sphinx* is the only legitimate pollinator and successful pollination of *O. indicum* by *C. sphinx* follows the 'lock and key' mechanism. The study indicated that dependence on the single bat pollinator in different regions is probably detrimental to *Oroxylum indicum* in different parts of the tropics causing decreased fecundity and decline in population size.

Reproductive biology of some traditional Indian medicinal plants.

### **Ecology**

Database on forest and agricultural ecosystem dynamics along an altitudinal transect in the Garhwal Himalayas.

Conservation and sustainable management of below-ground biodiversity (CSM-BGBD).

Effect of enhanced CO<sub>2</sub> on some important plant diseases in India.

## Plant systematics

Molecular Systematic study of *Aralia-Panax* complex (Araliaceae) in India based on ITS sequences of nr DNA.

Taxonomic revision of *Inula* complex in India.

Completed taxonomic study on *Nanothamnus sericeus* (Asteraceae), an endemic taxa of the Western Ghats. Based on morphological and molecular markers, the genus is transferred to the genus *Blumea*.

Taxonomic relationships among the genera of subfamily *Cucurbitoideae* (Family *Cucurbitaceae*) from India inferred from ITS sequences of nuclear ribosomal DNA.

Taxonomic study of genus *Crotalaria* in progress.

## Ph.D./M.Phil. Degrees awarded

Ph.D.	-	21
M.Phil.	-	10

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Modulation of plant morphogenetic responses by local anaesthetics: Modelling root differentiation in <i>Vigna mungo</i> .	Prof. S.K. Sawhney	DU
All India coordinated research programme on Reproductive Biology of RET trees.	Prof. A.K. Bhatnagar	Ministry of Environment & Forests
Cost-effective <i>in vitro</i> protocol development and mass propagation of commercial and endangered orchids.	Prof. I. Usha Rao	DBT
Biochemical events associated with oil body biogenesis and mobilization in sunflower seed.	Prof. S.C. Bhatla	CSIR
Barcoding of selected species of <i>Dendrobium</i> , an orchid, for checking the applicability of the concept of plants.	Prof. S.B. Babbar	DBT

Biological control of <i>Fusarium</i> wilt of pigeon pea ( <i>Cajanus cajan</i> ) by rhizospheric bacterial soil isolates: An integrated disease management (IDM) approach.	Prof. V.P. Singh	DST
Database on forest and agricultural ecosystems Dynamics along an altitudinal transect in the Garhwal Himalayas.	Prof. K.S. Rao	DST
Cultural landscapes: The basis for linking biodiversity conservation with sustainable development in Arunachal Pradesh.	Prof. K.S. Rao	MacArthur Foundation, USA through UNESCO
Conservation and sustainable management of below-ground biodiversity (CSM-BGBD).	Prof. K.S. Rao	Global Environment Facility through TSBF Institute of CIAT, Nairobi
Molecular systematic study of <i>Aralia</i> L. in India using ITS sequences of nuclear ribosomal DNA.	Prof. Arun Kumar Pandey	UGC
Taxonomic studies on the genus <i>Duhaldea</i> (Asteraceae) in India.	Prof. Arun Kumar Pandey	R&D
Developmental Biology and phylogenetic analysis of some endemic species of <i>Podostemaceae</i> .	Prof. Arun Kumar Pandey	DU-DST Purse Grant
Molecular aspects of potato tuberization.	Prof. Amar Kumar	
Molecular aspects of plant-nematode interaction.	Prof. Amar Kumar	
Plant retrotransposon biology and genome Evolution.	Prof. Amar Kumar	
Genetic improvement of safflower.	Prof. Amar Kumar	DU
Systematics and evolution of <i>Dioscorea</i> : Evolution of leaf form and development.	Prof. R. Geeta	

Biodiversity and <i>in vitro</i> selection of <i>Psoralea cordylifolia</i> plants yielding high content of anticancerous bioactive compounds genistein, diadzein and psoralen.	Prof. Veena Agrawal	UGC
Survey of North Indian medicinal plants for their larvicidal activity against malaria and filarial vectors.	Prof. Veena Agrawal	ICMR
Development of tissue culture protocol for mass propagation using elite <i>Jatropha</i> line and their biochemical evaluation.	Prof. Veena Agrawal	NOVOD Board
Study of diversity ecology and biology of marine algae of the Andaman and Nicobar Islands.	Dr. D.B. Sahoo	Department of Ocean Development
Culture and cultivation of some economically important seaweeds of Indian coasts.	Dr. D.B. Sahoo	Biotech Ltd. New Delhi
Seed production through protoplast isolation and tissue culture of some economically important seaweeds of Indian coasts.	Dr. D.B. Sahoo	DBT
Molecular cloning of Cold binding Factors in tomato: Over-expression and purification to raise antibodies.	Dr. Renu Deswal	DRDO
Nitric oxide signalling during <i>Bryophyllum</i> bud differentiation.	Dr. Renu Deswal	UGC
Proteomics approach for partial characterization of S-nitrosoproteome of <i>Brassica Juncea</i> and to study the expression of major S-nitrosylated proteins under abiotic and nitrosative stress conditions.	Dr. Renu Deswal	CSIR
Comparison of CBF mediated signaling in two LT tolerant and two LT sensitive crops.	Dr. Renu Deswal	DST

A genomics and proteomics approach to identify, characterize, clone and over-express Seabuckthorn antifreeze proteins (AFPs) for crop improvement and food industry.	Dr. Renu Deswal	DBT
Carbonic anhydrase in <i>Discorea</i> yam tubers and storage proteins (dioscorins) - do they also act as defense chemicals.	Dr. Renu Deswal	DST-DU Purse Grant
To understand the nature of diversity of lac insects of <i>Kerria</i> spp. in India and the nature of insect-host interaction.	Dr. Suman Lakhanpaul	NAIP (World Bank through ICAR)
Programme support in restoration ecology.	Dr. Suman Lakhanpaul	DBT
Reproductive biology of some traditional Indian medicinal plants.	Dr. Rajesh Tandon	DST
Isolation of sex linked genes and gender specific DNA markers in <i>Hippophae rhamnoides</i> .	Dr. Rajesh Tandon	DBT
Genetic transformation of pearl millet with a synthetic homolog of MEGININ2 gene and evaluation of the transgenic plants for resistance to downy mildew.	Dr. Rajesh Tandon	Board of Research in Nuclear Science, Department of Atomic Energy.
Map based cloning of genes controlling apomixis in <i>C. ciliaris</i> and their validation using RNAi approach.	Dr. Vishnu Bhat	DBT
Induction of apomixis in sorghum by down-regulation of somatic bryogenesis receptor kinase (SERK) gene in the ovules.	Dr. Vishnu Bhat	ICAR
Molecular markers and descriptor development in tea.	Dr. Vishnu Bhat	DBT
Molecular characterization of genes associated with apomixis in <i>Cenchrus ciliaris</i> .	Dr. Vishnu Bhat	DBT

Identification of ovule/embryosac specific promoters and their validation in transgenic <i>Cenchrus</i> .	Dr. Vishnu Bhat	DST
Towards the biodiesel in <i>Jatropha curcas</i> .	Dr. Shailendra Goel	DRDO
Profiling of small RNAs unique to Apomictic Addition lines in <i>Pennisetum glaucum</i> through the subtractive small RNA library.	Dr. Shailendra Goel Dr. Manu Aggarwal (Co-PI)	DBT
Isolation of sex linked genes and gender specific DNA markers in <i>hippohae rhamnoides</i> .	Dr. Shailendra Goel	DBT
Molecular markers and descriptor development in tea.	Dr. Shailendra Goel	DBT
Genetic and genomic approaches for improvement of the oil seed crop <i>Carthamus tinctorius</i> (safflower).	Dr. Shailendra Goel	DST-DU Purse Grant
Identification, characterization and validation of candidate genes influencing seed size and seed number in <i>Brassica juncea</i> (Indian mustard).	Dr. Arun Jagannath	DBT
Transgenic approaches for resistance to mustard aphids (satellite project in Centre of Excellence grant awarded to University of Delhi, South Delhi Campus).	Dr. Arun Jagannath	DBT
Genetic and genomic approaches for improvement of the oil seed crop <i>Carthamus tinctorius</i> (safflower).	Dr. Arun Jagannath	DST-DU Purse Grant
Development and stress specific genomics of small non-coding RNAs in <i>Brassica</i> spp., rice and wheat.	Dr. Manu Aggarwal	DBT
Transgenic approaches for frost resistance in mustard.	Dr. Manu Aggarwal	DBT
Effect of enhanced CO <sub>2</sub> on some important plant diseases in India.	Dr. Rupam Kapoor	MoEF

Genetic improvement of safflower.	Dr. Rupam Kapoor	DST-DU Purse Grant
Cost effective <i>Glomus fasciculatum</i> Formulation to improve the yield of three commercially important medicinal plants- <i>Artemisia annua</i> , <i>Stevia rebaudiana</i> and <i>Andrographis paniculata</i> .	Dr. Rupam Kapoor	DBT
Trait manipulation using miRNA genes in <i>Brassica</i> .	Dr. Sandip Das	
Biochemical and functional characterization of NDL proteins in plants.	Dr. Yashwanti Mudgil	

### **New Additions**

Dr. Sandip Das	-	Assistant Professor
Dr. Priya Panjabi Massand	-	Assistant Professor
Dr. Yashwanti Gadgil	-	Assistant Professor
Mr. Ratul Baishya	-	Assistant Professor

### **Honours/Distinctions**

**Prof. A.K. Bhatnagar:** Fellow, National Academy of Sciences, Allahabad.

Distinction Award 2010, Society for the Promotion of Plant Science Research, Jaipur.

Jaswant Singh Rai Memorial Lecture Award 2009, Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar.

**Prof. I. Usha Rao:** Elected Secretary Treasurer of International Society of Plant Morphologists.

**Prof. S.B. Babbar:** Elected Councillor of the Executive Council of International Society of Plant Morphologists.

**Prof. V.P. Singh:** Elected President of International Society of Plant Morphologists.

External Expert, Board of P.G. Studies in Botany, Kurukshetra University, Kurukshetra.

Member, Research Degree Committee, University of Kanpur, Kanpur; Member, Research Degree Committee, Bundelkhand University, Jhansi; and Member, Faculty of Life Sciences, M.D. University, Rohtak.

**Prof. A.K. Pandey:** President, Indian Association for Angiosperm Taxonomy.

Member, Board of Studies, Rajasthan University, Jaipur, and Member, Board of Studies, Allahabad University, Allahabad.



G.Panigrahi Memorial Lecture award, Indian Botanical Society.

National Assessment and Accreditation Council Peer Team Coordinator.

**Prof. Veena Agrawal:** Elected Member of Plant Tissue Culture Association of India.

Expert Member of UGC Committee for Considering Proposal for Assistance of various Universities under XI Five-Year Plan.

#### **Seminars/Conferences held**

**Prof. A.K. Pandey:** International Workshop on 'Molecular Systematics of Flowering Plants', Department of Botany, 5-10 October 2009.

**Dr. D.B. Sahoo:** VII Asia-Pacific Conference on Algal Biotechnology, Department of Botany, 1-4 December 2009.

#### **Seminars/Conferences attended**

**Prof. I. Usha Rao:** XXX Annual Meeting of Plant Tissue Culture Association (India) and National Symposium on 'Plant propagation, conservation, modification and characterization', Institute of Himalayan Bioresource Technology, CSIR, Palampur, HP, 3-4 April 2009.

VIII World Bamboo Congress, Bangkok, Thailand, 16-18 September 2009.

International Conference on 'Plant Biotechnology and Molecular Biology', Kakatiya University, Warangal, AP.

**Prof. S.B. Babbar:** National Conference on 'Orchids: Systematics and Diversity Analysis for Conservation and Sustainable Utilization', organized by the Orchid Society of India at G.B. Pant Institute of Himalayan Environment & Development, Kosi Katarmal, Almora, 19-21 March 2010.

**Prof. V.P. Singh:** National Symposium on 'Biodiversity, Biotechnology and Man: Interdependence and Future Challenges', Lansdowne, Uttarakhand, 26-28 March 2010.

**Prof. Arun Kumar Pandey:** Course Coordinator, International Workshop on 'Molecular Systematics of Flowering Plants', Department of Botany, 5-10 October 2009.

XIX Annual Conference of Indian Association for Angiosperm Taxonomy & International Symposium on 'Angiosperm Systematics and Phylogeny: Retrospects and Prospects', NBRI, Lucknow, 12-14 November 2009.

International Conference on 'Recent Trends in Life Science Researches vis-à-vis Natural Resource Management, Sustainable Development and Human Welfare', Vinoba Bhave University, Hazaribagh, 27-29 June 2009.

National Seminar on 'Impact of Climate Change on Plant Reproductive Biology', Agra, Invited lecture, 7 November 2009.

**Prof. Veena Agrawal:** Chaired the technical session and invited as guest speaker, delivered lecture on 'Bioprospecting of Medicinal plants: Conservation, isolation and biosynthesis of bioactive compounds' during the 2nd International Symposium Medical Nutraceutical Pl. at AIIMS, New Delhi, 25-27 November 2009.

Invited and delivered lecture on 'Emerging Trends in Medicinal Plant Research: Bioprospecting, *In Vitro* Conservation and Biosynthesis of Biomolecules' during the XXXI Meeting of Plant Tissue Culture Association (India) and National Symposium on 'Plant Cell Tissue and Organ Culture: The Present Scenario', University of Calcutta, Kolkata, 3-5 March 2010.

**Dr. Renu Deswal:** Delivered the Keynote address 'Identifying and characterising antifreeze proteins in apo-plastome of seabuckthorn seedlings' in IV International Seabuckthorn Conference in Russia, September 2009.

Awarded best poster award V AOHUPO Congress, XIV ADNAT Convention, 1st PSI Conference on 'New perspectives in proteome research', Centre for Cellular and Molecular Biology, Hyderabad.

National Conference on 'Seabuckthorn & Environment: High Altitude Perspectives' in Leh.

XXXIV FEBS Congress 'Life's Molecular Interactions' at Prague, Czech Republic, 4-9 July 2009.

Oral presentation in the National Conference on 'Seabuckthorn: Proteome Analysis of Hippophae rhamnoides seedlings to analyse antifreeze proteins' at CSKHPKV, Palampur, 16-18 February 2010.

**Dr. Suman Lakhanpaul:** Paper titled 'Evaluation and variation in antioxidative potential of Sesame (*Sesamum indicum* L.) cultivars and wild allies of the genus *Sesamum*' presented at Sixth Indo-Italian Workshop on 'Chemistry and Biology of Antioxidants' at Department of Chemistry, Delhi University, 10-11 December 2009.

**Prof. A.K. Bhatnagar:** 'Impact of climate change on reproduction and grain development in wheat: An assessment', Invited Lecture at National Conference on 'Impact of Climate Change on Plant Reproductive Biology', The Society of Plant Reproductive Biologists, Agra, 7 November 2009.

'Photosynthetic response of diploid, tetraploid and hexaploid wheat varieties to elevated CO<sub>2</sub>', Plenary Lecture at International Conference on 'Climate Change and Sustainable Management of Natural Resources'. ITM University, Gwalior, 10-12 November 2009.

'Why we Indians should accept Bt brinjals and other biotech food crops?' in National Seminar on 'New Biology and Plant Engineering', Jaipur National University, 1-2 December 2009.

'G.M. Crops and their biosafety aspects', Keynote Address at Workshop on 'Environmental Problems and Their Mitigation', Department of Environmental Sciences, M.D. University, Rohtak, 26 March 2010.

**Prof. S.B. Babbar:** 'DNA Barcoding of Orchids' at Workshop on 'Molecular Systematics of Flowering Plants' organized by Department of Botany, 7 October 2009.

'DNA Barcoding of Plants: Concept, Applications, Concerns, Methodology and Current Status', at Refresher Course organized by the Department of Botany, North Eastern Hill University, Shillong, for Botany teachers from all over India.

**Dr. Renu Deswal:** 'Cold stress induced S-nitrosylation mediated Rubisco inhibition in *Brassica juncea* - A potential mechanism for photosynthetic inhibition and yield loss'.

**Dr. Yashwanti Mudgil:** 'Arabidopsis N-MYC DOWN-REGULATED-LIKE1 (NDL1), a Positive Regulator of Auxin Transport in a G-Protein-mediated, Sugar-sensing Pathway', Invited presentation at Duke University, Plant Biology Forum 2009, Duke University, North Carolina.

### **Publications**

**Bhatla, S.C., Kaushik, V. and Yadav, M.K. 2010.** 'Use of oil bodies and oleosins in recombinant protein production and other Biotechnological applications'. *Biotechnology Advances* (Elsevier), 28: 293-300.

**Shakya, R. and Bhatla, S.C. 2010.** 'A comparative analysis of the distribution and composition of lipidic constituents and associated enzymes in pollen and stigma of sunflower'. *Sexual Plant Reproduction* (Springer Verlag), 23: 163-72.

**Kaushik, V., Yadav, M.K. and Bhatla, S.C. 2010.** 'Temporal and spatial analysis of lipid accumulation, oleosin expression and fatty acid partitioning during seed development in sunflower (*Helianthus annuus* L.)'. *Acta Physiologiae Plantarum* (Germany), 32: 199-204.

**Abat, J.K. and Deswal, R. 2009.** 'Differential modulation of S-nitrosoproteome of *Brassica juncea* by low temperature: Change in S-nitrosylation of Rubisco is responsible for the inactivation of its carboxylase activity'. *Proteomics*, 9: 4368-80.

**Kulshreshtha, N.M., Kumar, A., Dhall, P., Gupta, S., Bisht, G., Pasha, S., Singh, V.P. and Kumar, R. 2010.** 'Neutralization of alkaline industrial wastewaters using *Exiguobacterium* sp'. *International Biodeterioration and Biodegradation*, 64 (3): 191-6.

**Roy, R., Agrawal, V. and Gupta, S.C. 2009.** 'Comparison of drought-induced polypeptides and ion leakage in three tomato cultivars'. *Biol. Plant.*, 53: 685-90.

**Shankar, V. and Agrawal, V. 2009.** 'Plant stem cell fate and its regulation'. *Botanica*, 57: 38-41.

**Pandey, A.K., Ali, M.A., Biate, D.L. and Mishra, A.K. 2009.** 'Molecular Systematics of *Aralia-Panax* complex (Araliaceae) in India based on ITS sequences of nr DNA'. *Proc. Nat. Acad. Sci. India, Sect B*, 79: 255-61.

- Ali, M.A., Pandey, A.K. and Lee, J. 2009.** 'Taxonomic relationships among the genera of subfamily Cucurbitoideae (Family Cucurbitaceae) from India Inferred from ITS sequences of nuclear ribosomal DNA'. *Phytomorphology*, 59 (3&4): 127-40.
- Kumari, A., Komal, R., Rajesh, R. and Pandey, A.K. 2009.** 'In vitro pollen germination, pollen tube growth and pollen viability in *Trichosanthes dioica* Roxb. (Cucurbitaceae)'. *The Journal of Plant Reproductive Biology*, 1(2): 5-9.
- Shekhar, S. and Pandey, A.K. 2009.** 'Anther appendages and anther collar in Asteraceae and their taxonomic significance'. *Pleione*, 3(2): 212-8.
- Vyas, S., Guha, S., Bhattacharya, M. and Rao, I.U. 2009.** 'Rapid regeneration of plants of *Dendrobium lituiflorum* Lindl. (Orchidaceae) by using banana extract'. *Sci. Hort.*, 121: 32-7.
- Chugh, S., Guha, S. and Rao, I.U. 2009.** 'Micropropagation of Orchids: A review on the potential of different explants'. *Sci. Hort.*, 122: 507-20.
- Vyas, S., Guha, S., Kapoor, P. and Rao, I.U. 2010.** 'Micropropagation of *Cymbidium Sleeping Nymph* through protocorm-like bodies production by Thin Cell Layer Culture'. *Sci. Hort.*, 123: 551-7.
- Yadav, C.B., Jha, P., Mahalakshmi, C., Vanamala, A. and Bhat, V. 2009.** 'Somatic embryogenesis and regeneration in apomictic and sexual genotypes of *Cenchrus ciliaris* from immature inflorescence explants'. *Biologia plantarum*, 53(4): 603-9.
- Jha, P., Yadav, C.B., Vanamala, A. and Bhat, V. 2009.** 'In-vitro plant regeneration through somatic embryogenesis and direct shoot organogenesis in *Pennisetum glaucum*'. *In vitro cell and dev. biol.-Plant*, 45: 145-54.
- Heikham Evelin, Kapoor, R. and Giri, B. 2009.** 'Arbuscular mycorrhizal fungi in alleviation of salt stress: a review'. *Annals of Botany*, 104(7): 1263-80.
- Kant, S., Kapoor, R. and Banerjee, N. 2009.** 'Transcriptional regulation of cry4A gene of *Bacillus thuringiensis israelensis* by glucose catabolite repression'. *Journal of Bacteriology*, 19(14): 4687-92.
- Sinha, P.G., Kapoor, R., Uprety, D.C. and Bhatnagar, A.K. 2009.** 'Impact of elevated CO<sub>2</sub> concentration on ultrastructure of pericarp and composition of grain in three *Triticum* species of different ploidy levels'. *Environmental and Experimental Botany*, 66(3): 451-6.
- Sharma, D., Kapoor, R. and Bhatnagar, A.K. 2009.** 'Differential response of *Curculigo orchioides* to native arbuscular mycorrhizal fungal (AMF) communities varying in number and fungal components'. *European Journal of Soil Biology*, 45(4): 328-33.
- Saini, R., Majhi, M.C., Kapoor, R., Kumar, A. and Kumar, R. 2009.** 'CSD: A database of CO<sub>2</sub> utilizing strains'. *Environmental Modelling & Software*, 24(9): 1133-4.

**Vir, R., Bhat, K.V. and Lakhanpaul, S. 2009.** 'Analysis of population substructure, genetic differentiation and phylogenetic relationships among selected Asiatic Vigna Savi. Species'. *Genetic Resources and Crop Evolution*, 56: 783-95.

**Sinha, G.P., Kapoor, R., Uprety, D.C. and Bhatnagar, A.K. 2009.** 'Impact of elevated CO<sub>2</sub> concentration on ultrastructure of pericarp and composition of grain in three *Triticum* species of different ploidy levels'. *Environmental and Experimental Botany* (Elsevier Science, UK), 66: 451-56.

**Sharma, D., Kapoor, R. and Bhatnagar, A.K. 2009.** 'Differential growth response of *Curculigo orchoides* to native arbuscular mycorrhizal fungi communities varying in number and fungal components'. *European Journal of Soil Biology* (Elsevier Science, UK), 45: 328-33.

**Koul-Moza, M. and Bhatnagar, A.K. 2009.** 'Species watch groups—key to biodiversity conservation'. *Environews*, 15(2): 5-7.

2009. 'Looking Afresh at Urban Greens'. *Environews*, 15(4): 7-10.

**Agrawal, A., Sanayaima, R., Tandon, R. and Tyagi, R.K. 2010.** 'Cost-effective *in vitro* conservation of banana using alternatives of gelling agent (isabgol) and carbon source (market sugar)'. *Acta. Phys. Plant* (Published online Jan 2010).

**Sengupta, S. and Tandon, R. 2010.** 'Assessment of Ovule Receptivity as a Function of Expected Brood Size in Flowering Plants'. *Journal of Reproductive Biology*, 2: 51-63.

**Love, A., Tandon, R., Banerjee, B.D. and Babu, C.R. 2009.** 'DNA damage in natural populations of *Cassia occidentalis* inhabiting fly ash basin of a coal-fired thermal power plant'. *Ecotoxicology*, 18(7): 791-801.

**Tyagi, R.K., Goswami, R., Sanayaima, R., Singh, R., Tandon, R. and Agrawal, A. 2009.** 'Micropropagation and slow growth *in vitro* conservation of cardamom (*Elettaria cardamomum* Maton)'. *In Vitro. Cell. Bio.-Plant*, 45: 721-9.

**Panjabi-Massand P, Yadava, S.K., Sharma, P., Kaur, A., Kumar, A., Arumugam, N., Sodhi, Y.S., Mukhopadhyay, A., Gupta, V., Pradhan, A.K. and Pental, D. 2010.** 'Molecular mapping reveals two independent loci conferring resistance to *Albugo candida* in the east European germplasm of oilseed mustard *Brassica juncea*'. *Theor. Appl. Genet.*, 121: 137-45.

**Mudgil, Y., Uhrig, J., Zhou, J., Temple, B. and Jones, A.M. 2009.** 'Arabidopsis N-MYC DOWN-REGULATED-LIKE1, a Novel Sugar Regulated Downstream Effector of Gâa-Mediated Auxin Transport in the Root'. *The Plant Cell*, 21: 3591-609.

#### **Communications to Seminars/Conferences**

**Abat, J.K., Gupta, R. and Deswal, R.** 'Proteomics and Genomics Analysis of Seabuckthorn to Search for Cold Relevant Proteins and Genes', Abstract of invited lecture for National Conference on 'Seabuckthorn & Environment: High Altitude Perspectives', Leh, 2009.

**Laisram, N., Kedia, V.K., Kashyap, M. and Singh, V.P. 2010.** 'Biocontrol potential of *Pseudomonas fluorescence* against *Fusarium* spp', National Symposium on 'Biodiversity, Biotechnology and Man: Interdependence and Future Challenges', Lansdowne, Uttarakhand, 26-28 March 2010 (Nellie Laisram was awarded the prize for Best Poster Presentation).

'Production of indole-3-acetic acid (IAA) by a thermophilic bacterium – *Thermoactinomyces vulgaris*', National Symposium on 'Biodiversity, Biotechnology and Man: Interdependence and Future Challenges', p. 68, Lansdowne, Uttarakhand, 26-28 March 2010.

**Vyas, S., Kapai, V.Y., Guha, S. and Rao, I.U. 2009.** 'Rapid micropropagation of *Cymbidium* hybrids (Orchidaceae) by using transverse thin cell layer technology', in Abstracts XXX Annual Meeting of Plant Tissue Culture Association (India) and National Symposium on 'Plant propagation, conservation, modification and characterisation', Institute of Himalayan Bioresource Technology, CSIR, Palampur, HP, 3-4 April 2009.

'Assessing potential of explants for mass scale propagation of orchid hybrids and electron microscopy analysis to study changes accompanying acclimatization' in Abstracts National Conference on 'Orchids: Systematics and Diversity Analysis for conservation and Sustainable Utilization' at G.B. Pant Institute of Himalayan, Environment and Development, Almora, Uttarakhand, 19-21 March 2010.

**Muivah, G., Verma, R. and Rao, I.U. 2009.** 'Allelopathic effects of *Parthenium hysterophorus* L., *Trianthema portulacastrum* L. and *Amaranthus spinosus* L. on germination and growth of seedlings of *Bambusa bambos* (L) Voss and *Dendrocalamus strictus* Nees', in Abstracts VIII World Bamboo Congress, Bangkok, Thailand.

**Chugh, S., Vyas, S., Guha, S. and Rao, I.U.** 'In vitro propagation of *Cattleya* Summer Song, a commercially important orchid hybrid' in Abstracts XXX Annual Meeting of Plant Tissue Culture Association (India) and National Symposium on 'Plant propagation, conservation, modification and characterisation', Institute of Himalayan Bioresource Technology, CSIR, Palampur, HP, 16-18 September 2009.

**Chugh, S. and Rao, I.U.** 'Effect of triiodobenzoic acid, an auxin polar transport inhibitor, in vitro propagation of everlasting daisies', in *Proceedings of the International Conference on Plant Biotechnology and Molecular Biology*, Kakatiya University, Warangal, AP, 2009.

**Kapoor, P. and Rao, I.U. 2009.** 'Age Dependent Rooting and Establishment of Plants in the field in woody species and Micropropagation of Bamboos' in **Abstracts XXX Annual Meeting of Plant Tissue Culture Association (India) and National Symposium on 'Plant propagation, conservation, modification and characterisation'**, Institute of Himalayan Bioresource Technology, CSIR, Palampur, HP, 3-4 April 2009.

**Agrawal, V., Parast, B.M., Sharma, K. and Chetri, S.P.K. 2009.** 'In vitro evaluation of an anticancerous compound psoralen from *Psoralea corylifolia* and molecular analysis of key enzyme gene (psoralen synthase)', pp. 67-8, II International Symposium Med. Nutraceutical Pl. at AIIMS, New Delhi, 25-27 November 2009.

**Agrawal, V. and Pandey, V.** 'In vitro bio-control of malarial and filarial vectors using crude extract and isolated fractions of medicinal herbs (*Spilanthes* spp.) and characterisation of the larvicidal compounds', pp. 101-2, II International Symposium Med. Nutraceutical Pl. at AIIMS, New Delhi, 25-27 November 2009.

**Shankar, V. and Agrawal, V. 2009.** 'In vitro mass production of *Stevia rebaudiana* Bertoni (an antidiabetic endangered herb) and assessment of phytotoxicity of different heavy metals on stevioside synthesis', p. 57, II International Symposium Med. Nutraceutical Pl. at AIIMS, New Delhi, 25-27 November 2009.

**Verma, N., Singh, V., Pushker, A.K., Mandal, N., Bhat, K.V. and Lakhanpaul, S. 2010.** 'Evaluation and variation in antioxidative potential of Sesame (*Sesamum indicum* L.) cultivars and wild allies of the genus *Sesamum*', presented at VI Indo-Italian Workshop on 'Chemistry and Biology of antioxidants' at Department of Chemistry, Delhi University, 10-11 December 2009.

#### **Articles in Edited Books**

**Abat, J.K. and Deswal, R. 2009.** 'Post translational modifications of proteins by Nitric Oxide—a new tool for metabolome regulation'. In *Nitric Oxide in Plant Physiology*, Hayat, S., Mori, M., Pichtel, J. and Ahmad, A. (eds). Germany: Wiley-Vch, pp. 189-200.

**Sharma, R. and Bhat, V. 2009.** 'Double Fertilization and seed development'. In *Seed Science and Technology*, Edited by N.C. Singhal. New Delhi: Kalyani Publishers, pp. 25-52.

**Babbar, S.B., Walia, N. and Kaur, A. 2009.** 'Large-scale *in vitro* multiplication of *Crataeva nurvala*'. In Jain, S.M. and Saxena, P.K. (eds) *Methods in Molecular Biology, Protocols for In Vitro Cultures and Secondary Metabolite Analysis of Aromatic and Medicinal Plants*, Vol. 547. NJ, USA: The Humana Press Inc.

**Tandon, R. and Mohan Ram H.Y. 2009.** 'The saga of pollination biology'. In *Nature at Work: Ongoing Saga of Evolution*, ed., Sharma, V.P. The National Academy of Sciences, India, Springer, pp. 219-40.

**Khanduri, P., Tandon, R., Uniyal, P., Sehgal, A. and Mohan Ram H.Y. 2009.** 'Floral Morphology of Podostemaceae: a conspectus'. In *Flower: Retrospect and Prospect*, ed., Vimla, Y. Delhi: S.R. Scientific Publication, pp. 55-78.

**Tandon, R., Shivanna, K.R. and Mohan Ram H.Y. 2010.** 'Reproductive biology of some gum producing Indian desert plants'. In Ramawat, K.G. (ed.) *Biology and Biotechnology of Desert Plants*. London, New York: Springer.

**Yadav, A.K. and Deswal, R. 2009.** 'Deciphering the low temperature tolerance in Seabuckthorn' in *Proceedings of International Seabuckthorn Conference* by Dr. Thomas Liagrilanada, pp. 47-56.

## CHEMISTRY

### Major Activities

Several faculty members of the department are engaged in the synthesis of novel ligands and their complexes for determining their biological and medicinal importance and as the building blocks for novel heterometallic and supramolecular assemblies.

Some groups of teachers have pioneered the area of biocatalytic chemical transformations, viz. lipase-mediated synthesis of peracylated pentofuranoses which have been transformed into nucleosides, a 'green' amidation protocol of free carboxylic acids and biocatalytic reactions in the generation of novel copolymers for diverse applications. This work has attracted significant funding from ISIS Pharmaceuticals (California, USA) and PPG Industries (Pittsburgh, USA) to develop technologies for economical and 'green' commercial synthesis of modified nucleosides and esters and amides. Several compounds from these groups have shown anti-oxidant, anti-hypertensive, anticancer, antiviral, anti-inflammatory and antimicrobial activities. Recently, the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, has sanctioned a major research project to develop two compounds as therapeutics in the areas of asthma and hypertension in collaboration with two industries.

Development of synthetic methodologies using metals and metal salts is being pursued very actively. A model has been proposed for antiparallel tetrameric quadruplexes, showing possibility of Watson-Crick hydrogen bonds between intervening bases on antiparallel strands. A very strong group has been working on the synthesis of natural products as genotoxic and antigenotoxic agents antimicrobial and tetraoxane antimalarial compounds.

Some faculty have been working in diverse areas of theoretical and computational chemistry. Quantum and molecular dynamic studies on biologically active molecules have been made. Studies have also been conducted on the photophysical aspects of biologically active tryptamine derivatives. Single electron transfer reaction studies have been carried out using ESR and UV spectroscopic techniques.

### Research Schemes

Title	Principal Investigator	Sponsoring Organization
Development of e-Learning material of National Mission on Education through Information and Communication Technology.	Prof. A.K. Bakhshi	HRD
Development of novel therapeutics based upon natural products from Indian medicinal plants.	Prof. V.S. Parmar	DSIR



Novel nucleic acid derivatives as tools for biotechnological and therapeutic applications.	Prof. V.S. Parmar	DBT
Synthesis of selected nucleosides of importance in chemical etiology studies of nucleic acids.	Prof. V.S. Parmar	Danish Natural Science Research Council Copenhagen, Denmark
Synthesis of fluorine based flame-retardant material.	Prof. V.S. Parmar	DRDO
Oligonucleotide synthesis. Pharmaceuticals Inc., Carlsbad, California, USA.	Prof. V.S. Parmar	ISIS
Biocatalytic synthesis and development of PEG-sugar based polymeric architectures for applications in drug delivery.	Prof. V.S. Parmar	DBT
Feasibility study of polymer organosilicate nano composites for oral drug delivery system related to colon disease.	Prof. Monika Datta	DST
Electronic control of thermal Bergman cyclization reactions: A new approach towards the development of novel enediyne anticancer molecules.	Prof. D.S. Rawat	DST
Design and synthesis of Tetraoxanes and Tetraoxane based modular molecules as potential antimalarial agents.	Prof. D.S. Rawat	CSIR
Syntheses and biological evaluation of Phidolopin analogues.	Prof. D.S. Rawat	UGC
Synthesis of substituted tetraoxanes and tetraoxane-aminoquinoline/amine conjugates as potential antimalarial agents.	Prof. D.S. Rawat	DST
Design and synthesis of peptide nucleic acids with improved cell permeability.	Prof. S.K. Sharma	DBT

Design and synthesis of glycerol based building blocks for flame retardant polymers.	Prof. S.K. Sharma	DRDO
Studies on the synthesis of acyloxy polyphenols, the substrates for calreticulin transacylase.	Prof. S.K. Sharma	DU-DST Purse
Development of coordination complexes as building blocks to generate novel heterometallic complexes.	Dr. Rajeev Gupta	DST
Development of indicators for anthropogenic, environmental and chemical stress on urban ecosystem: A study of aquatic and terrestrial ecosystems of Yamuna river catchment from National Capital Region, Delhi.	Dr. Rajeev Gupta	DST – Purse
Synthesis and characterization of Iron complexes with synthetically designed Nitrogen donor ligands: Emphasis to the development of Biomimetic Oxidation catalysts.	Dr. Rajeev Gupta	UGC
Statistical theory of optimized potentials for folding proteins.	Dr. P. Biswas	DST (SERC)
Search for new photocatalysts for the degradation of toxic organics utilizing visible radiation.	Dr. S. Uma	DST
Investigations of magnetic, optical and electrical properties of nanomaterials: Synthesis, characterization and applications.	Dr. S. Uma	DST
Transition-metal catalyzed activation of C(aryl)-Cl bond and its application in C-N, C-O and C-S bond forming reactions' DST Fast Track Scheme for Young Scientists.	Dr. M.D. Milton	DST

DNA Topoisomerase I- design, synthesis and characterization of novel benzimidazoles and an insight into mechanism of selective inhibition of bacterial Topoisomerase I by these molecules.	Dr. Vibha Tandon	CSIR
Synthesis and characterization of modified peptide nucleic acid having pyrazolo (3, 4-d) pyrimidine as base analogues and its antisense effect (PNA) on dimerization and translational frameshifting of HIV-1.	Dr. Vibha Tandon	UGC
Design, synthesis & biological evaluation of novel integrase inhibitors.	Dr. Vibha Tandon	DST
Design and Synthesis of New class of DNA intercalating agents.	Dr. Akhilesh K. Verma	DST
Design, synthesis and antibacterial studies of novel 1,2,3,4-tetrahydropyrazino[1,2-a]indoles on resistant bacterial.	Dr. Akhilesh K. Verma	DST
Design, synthesis and biological evaluation of novel.	Dr. Akhilesh K. Verma	DST
Molecular-based layer by layer assembly.	Dr. Tarkeshwar Gupta	DU
Fabrication of Electro-optical sensors.	Dr. Tarkeshwar Gupta	Department of Atomic Energy
Integration of Electro-chromic films.	Dr. Tarkeshwar Gupta	DST
Molecular film for artificial nucleases.	Dr. Tarkeshwar Gupta	UGC
Metal-organic molecular-based thin films.	Dr. Tarkeshwar Gupta	UGC
Multiple channel sensing devices.	Dr. Tarkeshwar Gupta	Alexander von Humboldt (AvH), Germany.
High molecular weight polymer behaviour in coexisting liquid phases.	Dr. P. Venkatesu	DST

Protein folding/unfolding by the addition of co-solvents.	Dr. P. Venkatesu	CSIR
Polymer behaviour in coexisting liquid phases and Protein folding/unfolding.	Dr. P. Venkatesu	DU/DST– Purse Grant
Effect of polymer chain in the critical region of coexisting liquid phases.	Dr. P. Venkatesu	UGC
Synthesis, characterization and photophysical properties of metallaladderanes	Dr. M. Sathiyediran	DST

### **Programmes taken up involving inter-institutional collaboration**

**Prof. V.S. Parmar:** University of Massachusetts Lowell, USA, University of Southern Denmark, Polytechnic University, Brooklyn, New York, USA, ISIS Pharmaceuticals Inc., Carlsbad, California, USA, University of Copenhagen, Denmark, Long Island University, Brooklyn, New York, USA, Institute for Natural Products (CNR), Catania, Italy, Institute of Genomics and Integrative Biology, CSIR, LaSapienza University, Rome, Italy, Laboratory of Cancerology, University of Gent, Belgium, Free University, Berlin, Germany, University Paris Descartes, Paris, France, University of Leuven, Belgium, University of Rhode Island, Kingston, RI, USA, School of Public Health, Johns Hopkins University, Baltimore, MD, USA, NCI, NIH, Frederick, MD, USA.

**Prof. D.S. Rawat:** A collaborative project dealing with the biological evaluation of natural/natural product analogues was started with Prof. Nilanjan Roy, Department of Biotechnology, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, Punjab, Dr. Sabana Khan, University of Mississippi, USA, and Prof. Sanjay V. Malhotra, NIH, USA, Prof. Winghe Wang, Georgia State University, USA.

**Dr. Vibha Tandon:** A DST-DAAD funded project entitled ‘Validation and testing of novel bis-benzimidazole derivatives as modulators of radiation response in human cells.’ with Prof. George Illiakis, Director, Institute of Medical Radiation Biology, University of Duisberg, Essen, Germany.

**Dr Akhilesh K. Verma:** Iowa State University of Science and Technology, Ames, Iowa, USA, International Centre for Genetics Engineering and Biotechnology (ICGEB), New Delhi.

**Dr. Tarkeshwar Gupta:** Department of Applied Physical Chemistry, University of Heidelberg, Germany.

### **Honours/Distinctions**

**Prof. A.K. Bakhshi:** Awarded Prof. P.K. Bose Memorial Award 2008 by the Indian Chemical Society.

Felicitated by the former President of India Dr. APJ Abdul Kalam for making significant contributions in the e-transformation of the University of Delhi as Director, ILL. 2009.

**Prof. V.S. Parmar:** Visiting Adjunct Full Professor, Institute of Physics and Chemistry, University of Southern Denmark.

Prof. ASR Anjaneyulu 60th Birthday Commemoration Award of Indian Chemical Society.

**Prof. M. Kidwai:** Appointed Vice-Chancellor, Jiwaji University, Gwalior, MP.

**Prof. D.S. Rawat:** Guest Editor, *Anti-Cancer Agents in Medicinal Chemistry*, an international journal published by Bentham.

Member, International Editorial Board, *Anti-Cancer Agents in Medicinal Chemistry*, Published by Bentham. <http://www.bentham.org/cmca/EBM.htm>, Marine Drugs <http://www.mdpi.org/marinedrugs/editors.htm>, *International Journal of Biological and Chemical Sciences* and *The Open Catalysis Journal*, published by Bentham.

**Dr. Akhilesh K. Verma:** Invited by Wiley-Blackwell for coauthorship for editing the 3rd revision of *Comprehensive Organic Transformation*.

**Dr. Tarkeshwar Gupta:** DAE Young Scientist Award, Department of Atomic Energy, Board of Research in Nuclear Science, Mumbai.

Humboldt Fellowship for Experienced Researcher, Alexander von Humboldt Foundation, Germany.

Newton International Fellowship, British Academy, The Royal Academic of Engineering. The Royal Society and Research Council, United Kingdom.

Ramanujan Fellowship, Department of Science and Technology, New Delhi.

#### **Seminars/Conferences held**

III Indo-Italian Seminar on 'Green Chemistry', 9 December 2009.

VI Indo-Italian Workshop on 'Chemistry and Biology of Antioxidants', 10-11 December 2009.

International Symposium on 'Trends in Drug Discovery and Development', 5-8 January 2010.

#### **Seminars/Conferences attended**

**Prof. A.K. Bakhshi:** CII National Conference on Education (Linking Education to Employability), at Hotel Le Meridian, New Delhi, 21 April 2009.

Workshop on 'Green Chemistry in Real World Practice' at Delhi University, 9 May 2009.

'Science Education in the 21st Century', at the National Seminar on 'Recent Renaissance in Teacher Education' at Sri Krishna Engineering College, Chennai, 18 May 2009.

Cambridge ESOL Seminar on 'Enhancing Language Skills And Employability Through Technology Based Teaching' at India Habitat Centre, New Delhi, 22 June 2009.

Technical session on 'Professional Development with ICT' at the 5th e-India 2009 Conference at Hyderabad, 26 August 2009.

Technical session of Conclave of University Leaders on 'Best Practices to Next Practices' at the 5th e-India 2009 Conference at Hyderabad, 27 August 2009.

Attended a Conference on 'Online Examinations: Demystifying the Future' at India Habitat Centre, New Delhi, 2 September 2009.

Brainstorming Session of the National Project on '*Enrichment of Resource Material for Science Education*' of the Ministry of Science and Technology, Govt. of India, UNESCO and CIE, Delhi University at UNDP Hall, New Delhi, 4 September 2009.

Conference on 'Emerging Directions in Global Education', at India Habitat Centre, New Delhi, 3-5 March 2010.

**Prof. V.S. Parmar:** Department of Bioorganic Chemistry, Uppsala University, Sweden, June 2009.

Department of Chemistry, University of Leuven, Heverlee, Leuven, Belgium, June 2009.

Department of Molecular Interactions and Separation Technologies, Universite de Technologie, Compiègne, France, June 2009.

5th Indo-Italian Workshop on Chemistry and Biology of Antioxidants at the LaSapienza University, Rome, Italy, July 2009.

238th Meeting of the American Chemical Society Session on 'Small Molecule Therapeutic Agents' at Washington DC, USA, August 2009.

Joint 4th International Conference on 'Green and Sustainable Chemistry' and the 2nd Asian-Oceanian Conference on 'Green and Sustainable Chemistry (AOGSC-2)' in Beijing, August 2009.

Karolinska Institute, Stockholm, Sweden, August 2009.

Departments of Chemistry and Biology, New York City College of Technology, Brooklyn, NY, USA, September 2009.

XIII BMOS – Brazilian Meeting on Organic Synthesis in Sao Pedro, Brazil, September 2009.

XIII Asian Chemical Congress – Special Session on Chemical Biology and Medicinal Chemistry in Shanghai, China, September 2009.

Department of Chemistry, Long Island University, Brooklyn, New York, USA, October 2009.

Department of Biology, Medgar Evers College, City University of New York, USA, October 2009.

Organic Chemistry Division, National Chemical Laboratory, Pune, India, November 2009.

International Conference on 'Recent Research Trends in Chemical Sciences' and the XLVI Annual Convention of Chemists at VIT University Vellore, India, December 2009.

International Seminar on 'Current Trends in Pharmaceutical Research: Focus on Orphan Diseases' at the National Institute for Pharmaceutical Education and Research, Hajipur, Patna, January 2010.

14th ISCB International Conference (ISCBC - 2010) on 'Chemical Biology for Discovery: Perspectives and Challenges' at the Central Drug Research Institute, Lucknow, January 2010.

Institute of Chemistry and Biochemistry, Free University, Berlin, Germany, September 2009 and January 2010.

Alnylam Pharmaceuticals, Cambridge, Massachusetts, USA, January 2010.

India Lab Expo 2010: International Conference on 'Laboratory & Scientific Instruments' at New Delhi, February 2010.

IV International Symposium on 'Current Trends in Drug Discovery Research' at the Central Drug Research Institute, Lucknow, February 2010.

Unimark Remedies Ltd., Ahmedabad, February 2010.

School of Materials Science, Japan Advanced Institute of Science and Technology, Ishikawa, Japan, March 2010.

College of Pharmacy, The University of Rhode Island, Kingston, RI, USA, March 2010.

Department of Medical Education and Research, Danbury Hospital, Danbury, CT, USA, March 2010.

Department of Biomedical and Pharmaceutical Sciences, The University of Rhode Island, Kingston, RI, USA, March 2010.

Faculty of Pharmacy, University of Toronto, Ontario, Canada, March 2010.

**Prof. Monika Datta:** 'A novel methodology for the total conversion of fly ash into value added product: Zeolite', Paper presented at International Conference on 'Recycling and Reuse of Materials', Kottayam, Kerala, December 2009.

**Prof. J.M. Khurana:** 3rd Indo-Italian Seminar on 'Green Chemistry', Department of Chemistry, December 2009.

VI Indo-Italian Workshop on 'Chemistry and Biology of Antioxidants', Department of Chemistry, December 2009.

International Symposium on 'Trends in Drug Discovery', Department of Chemistry, January 2010.

**Prof. M. Kidwai:** III Indo-Italian Seminar on 'Antioxidants', Rome, Italy, 6-7 July 2009.  
IV International Conference on 'Green Chemistry and Sustainability', Beijing China, 20-24 August 2009.

**Prof. Rama Kant:** XII CRSI National Symposium in Chemistry, Indian Institute of Chemical Technology, Hyderabad, 4-7 February 2010.  
XV National Convention of Electrochemists NCE 15 (VIT University, Vellore), 18-19 February 2010.

'Changing Paradigms of Theoretical & Computational Chemistry: From Atom to Molecular Clusters', TCCC-2009, Department of Chemistry & Interdisciplinary School of Scientific Computing, University of Pune, 18-20 December 2009.

Indo-Russian Workshop on 'Nanotechnology and Laser Induced Plasma', IRNANO-2009, Delhi University, 24-26 November 2009.

National Symposium on 'Electrochemical Science and Technology', Bangalore, 17-18 July 2009.

Centenary Conference on 'Emerging Trends in Chemistry', Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore, 13-15 May 2009.

**Prof. D.S. Rawat:** 'Recent Trends in Chemical Sciences', Department of Chemistry, APS. University, Rewa, MP.

XIV ISCB International Conference (ISCBC-2010), 'Chemical biology for discovery: Perspectives and challenges', Central Drug Research Institute, Lucknow.

T3D International Symposium on 'Trends in Drug Discovery and Development', Delhi University.

National Conference on 'Green and Sustainable Chemistry' (NCGSC-2010), Chemistry Group, Birla Institute of Technology and Science, Pilani, Rajasthan.

IV Uttarakhand State Science and Technology Congress, G.B. Pant University of Agriculture and Technology, Pantnagar.

'Bioprospecting for secondary metabolites', Centre For Environmental Management of Degraded Ecosystem, Delhi University.

Indo-Danish Seminar on 'Bioorganic Chemistry', Delhi University.

XIII ISCBC International Conference on 'Interplay of Chemical and Biological Sciences: Impact on Health and Environment', Delhi University.

'Natural product and organic spectroscopy', CPDHE, Delhi University.

'Tetraoxanes and enediynes: Synthesis and biological activity evaluations', CPDHE, Delhi University.



**Dr. Rajeev Gupta:** 'Heterobimetallic Complexes and Networks via Coordination Complexes as the Building Blocks', National Seminar on 'Recent Trends in Chemical Sciences', APS University, Rewa, MP.

'Coordination Complexes as Building Blocks: Discrete Complexes *versus* Heterobimetallic Networks', National Seminar on 'Confluences of Supramolecular Chemistry and Nanosciences', Gujarat University, Ahmedabad, 2010.

**A.P. Singh, A. Ali, A. Mishra and R. Gupta:** 'Structural Diversity and Topological Control Utilizing Coordination Complexes as Building Blocks', NSC-11 Chemical Research Society of India, NCL-Pune, 2009.

'Coordination Complexes as Building Blocks to Generate Heterobimetallic Complexes of Supramolecular and Catalytic Importance', Indo-German Seminar on 'Supramolecular Chemistry', Delhi University.

'Developing Coordination Complexes as Building Blocks to Generate Heterobimetallic Complexes of Catalytic and Supramolecular Importance', 1st Scientific Meeting of 'Friends of Inorganic Chemistry', Jadavpur University, Kolkata.

**Dr. N. Thirupathi:** 'Synthesis and Structural Characterization of Lewis Base Coordinated Zinc(II)Pivalate Complexes' in *Abstracts, Modern Trends in Inorganic Chemistry*, Department of Inorganic and Physical Chemistry, Indian Institute of Science Bangalore.

**Dr. Mahendra Nath:** 'A simple and efficient green approach to dihydro-1,3-oxazines', ISCBC-2010, Central Drug Research Institute, Lucknow.

**Dr. P. Biswas:** Indian Biophysical Society Symposium.

Theoretical Chemistry Symposium.

**Dr. Vibha Tandon:** An invited talk in II Indo-South Africa workshop on 'Inhibition of HIV-1 using Antisense Approach', INMAS, Delhi, 2009.

An invited talk titled 'Gene expression studies in response to a DNA minor groove binding ligands: Implications for the development of a novel radio protector' in Workshop on 'Heavy Ion Radiation Biology', Inter University Accelerator Centre, New Delhi.

**Dr Akhilesh K. Verma:** 'Copper-Catalyzed Regioselective Tandem Synthesis of Indolo and Pyrrolo[2,1-a]isoquinolines: A Direct Approach to Dibenzopyrrocoline Alkaloids, Cryptaustoline and Cryptowpline', International Conference CTDDR-2010, Central Drug Research Institute, Lucknow, February 2010.

'Regioselective Tandem Synthesis of Fused Polyheterocycles', International Conference T3D-2010, Department of Chemistry, January 2010.

Presented Poster on 'Regioselective tandem synthesis of polyheterocycles by the copper-catalyzed preferential addition of n-heterocycles on ortho-haloalkynes followed by intramolecular arylation' at International Conference X Tetrahedron Symposium, Paris, France, June 2009.

**Dr. Tarkeshwar Gupta:** International Conference and Humboldt Kolleg in 'Frontiers of Environmental and Health Science Useful to Mankind: A Multidisciplinary Approach', University of Lucknow and Humboldt Academy Lucknow and Varanasi, February 2010.

'Modern Trends in Inorganic Chemistry-XIII', Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore, December 2009.

**Dr. P. Venkatesu:** UGC-SAP sponsored National symposium on 'Recent trends in chemical sciences', Aligarh Muslim University, Aligarh, 24-25 February 2010.

Symposium on 'Recent trends in Biophysics', Banaras Hindu University, Varanasi, 13-15 February 2010.

97th Indian Science Congress, Indian Space Research Organization and University of Kerala, Thiruvananthapuram, 3-7 January, 2010.

IV National Conference on 'Thermodynamics of Living and Non-Living Systems', DDU Gorakhpur University, Gorakhpur, 17-18 December 2009.

### **Publications**

**Kaur, A. and Bakhshi, A.K. 2009.** 'Tailoring electrically conducting copolymers using genetic algorithm'. *Indian Journal of Chemistry*, 48A: 631-6.

**Singh, P., Tyagi, G., Mehrotra, R. and Bakhshi, A.K. 2009.** 'Thermal stability studies of 5- Fluorouracil using diffuse reflectance infrared spectroscopy'. *Drug Testing and Analysis*, 1: 240-44.

**Singh, P., Jangir, D., Mehrotra, R. and Bakhshi, A.K. 2009.** 'Development and validation of an infrared spectroscopy based method for the analysis of moisture content in 5- Fluorouracil'. *Drug Testing and Analysis*, 6: 275-78.

**Dhawan, S.K., Singh, K., Bakhshi, A.K. and Ohlan, A. 2009.** 'Conducting polymer embedded with Nanoferrite and Titanium Dioxide nanoparticles for microwave absorption'. *Synthetic Metals*, 159: 2259-62.

**Wazir, M. and Bakhshi, A.K. 2009.** 'Designing model Protein chains using bioinspired ant algorithms'. *Indian J. Chem.*, 48A: 1477-83.

**Kaur, A., Wazir, M., Garg, A. and Bakhshi, A.K. 2009.** 'Designing of Type-I polymeric super-lattices using genetic and ant algorithms: A comparative study'. *Indian J. Chem.*, 48A: 1652-56.

**Singh, K., Ohlan, A., Bakhshi, A.K. and Dhawan, S.K. 2010.** 'Synthesis of conducting ferromagnetic nanocomposite with improved microwave absorption properties'. *Material Chemistry & Physics*, 119: 201-7.

**Arora, V. and Bakhshi, A.K. 2010.** 'Investigation of electronic structures of model polypeptide chain using genetic algorithm'. *Indian J. Chem.*, 49A: 18-25.

- Kaur, A. and Bakhshi, A.K. 2010.** 'Change in optimum genetic algorithm solution with changing band discontinuities and band widths of electrically conducting copolymers'. *Chemical Physics*, 369: 122-55.
- Arora, V. and Bakhshi, A.K. 2010.** 'Molecular designing of novel ternary copolymers of donor acceptor polymers using genetic algorithm'. *Chemical Physics*, 373: 307-12.
- Raj, H.G., Kumar, A., Kumari, R., Bansal, S., Ponnann, P., Gupta, G., Kohli, E., Arora, S., Baghel, A.S., Goel, S., Gulati, R., Singh, U., Tandon, R., Saluja, D., Dwarakanath, B.S., Bhat, A.N., Tyagi, T.K., Singh, P., Priya, N., Verma, A., Rohil, V., Prasad, A.K., Vij, A., Bansal, S.K., Vijayan, V.K., Jain, S.C., Rastogi, R.C. and Parmar, V.S. 2009.** 'Prospects for the development of polyphenolic acetate as the potential drug candidate: A review'. *Comp. Bio. Nat. Pro.*, 7: 92-107.
- Kathuria, A., Gupta, A., Priya, N., Singh, P., Kumar, Raj, H.G., Prasad, A.K., Parmar, V.S. and Sharma, S.K. 2009.** 'Specificities of calreticulin transacetylase to acetoxy derivatives of 3-alkyl-4-methylcoumarins: Effect on the activation of nitric oxide synthase'. *Bioorganic and Medicinal Chemistry*, 17: 1550-56.
- Husain, M., Lahiri, S., Tomar, S., Parmar, V.S. and Datta, D. 2009.** 'Biocatalytic acylation of efavirenz intermediate: Unexpected novel product formation'. *Indian Journal of Chemistry*, 48B: 1174-77.
- Bansal, S., Ponnann, P., Raj, H.G., Weintraub, S.T., Chopra, M., Kumari, R., Saluja, D., Kumar, A., Tyagi, T.K., Singh, P., Prasad, A.K., Saso, L., Rastogi, R.C. and Parmar, V.S. 2009.** 'Autoacetylation of purified calreticulin transacetylase utilizing acetoxy coumarin as the acetyl group donor'. *Applied Biochemistry and Biotechnology*, 152: 170-76.
- Tyagi, T.K., Ponnann, P., Singh, P., Bansal, S., Batra, A., Collin, F., Guillonneau, F., Jore, D., Patkar, S.A., Saxena, R.K., Parmar, V.S., Rastogi, R.C. and Raj, H.G. 2009.** 'Moonlighting protein in *Starkeyomyces koorchalomoides*: Characterization of dihydrolipoamide dehydrogenase as a protein acetyltransferase utilizing acetoxy coumarin as the acetyl group donor'. *Biochimie*, 91: 868-75.
- Goel, A., Prasad, A.K., Parmar, V.S., Ghosh, B. and Saini, N. 2009.** 'Apotogenic effect of 7,8-diacetoxy-4-methylcoumarin and 7,8-diacetoxy-4-methylthiocoumarin in human lung adenocarcinoma cell line: Role of NF- $\kappa$ B, Akt, ROS and MAP kinase pathway'. *Chemico-Biological Interactions*, 179: 363-74.
- Gupta, P., Maity, J., Shakya, G., Prasad, A.K., Parmar, V.S. and Wengel, J. 2009.** 'Synthesis and hybridization studies of  $\alpha$ -configured arabino nucleic acids'. *Organic and Biomolecular Chemistry*, 72: 389-401.
- Singh, B.K., Cavalluzzo, C., Maeyer, M. De., Debyser, Z., Parmar, V.S. and Eycken, E.V. 2009.** 'Microwave-assisted silver(I)-mediated selective O-alkylation of aromatic imidate systems'. *Synthesis*, 2725-28.

- Sharma, D., Khandelwal, A., Sharma, R.K., Bhatia, S., Reddy, L.C., Olsen, C.E., Wengel, J., Parmar, V.S. and Prasad, A.K. 2009. 'Synthesis and regioselective deacylation studies on peracylated 2'-azido *arabino*- and *ribo*-thymine nucleosides: Towards 5'-O, 2'-N-linked oligonucleotides'. *Indian Journal of Chemistry*, 48B: 1712-20.
- Kumar, V., Gupta, B., Sharma, P.K., Mosurkal, R., Parmar, V.S., Kumar, J., Samuelson, L.A. and Watterson, A.C. 2009. 'Nanocomposites and blends of biocatalytically synthesized organosilicone copolymers for flame-retardant applications'. *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, 46: 1199-204.
- Sharma, R.K., Aggarwal, N., Arya, A., Olsen, C.E., Parmar, V.S. and Prasad, A.K. 2009. 'Lipase-catalyzed regio- and stereoselective deacylation: Separation of anomers of peracylated  $\alpha,\beta$ -D-ribofuranosides'. *Indian Journal of Chemistry*, 48B: 1727-31.
- Singh, B.K., Cavalluzzo, C., Maeyer, M.De., Debyser, Z., Parmar, V.S. and Eycken, E.V. 2009. 'Microwave-assisted palladium-catalyzed heterogeneous vinylation of 2(1H)-pyridones'. *European Journal of Organic Chemistry*, 4589-92.
- Prasad, A.K., Arya, P., Bhatia, S., Sharma, R.K., Singh, R., Singh, B.K., Eycken, E.V., Singh, R., Olsen, C.E. and Parmar, V.S. 2009. 'Synthesis and lipase-catalysed enantioselective acylation studies on ethyl 4-aryl-3,4-dihydropyrimidin-2-(1H)-ones'. *Indian Journal of Chemistry*, 48B: 1738-48.
- Mosurkal, R., Samuelson, L.A., Tewari, A., Watterson, A.C., Parmar, V.S. and Kumar, J. 2009. 'Crosslinking of polydimethyl siloxane copolymers with aromatic dianhydrides: The study of thermal and flame-retardant properties'. *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, 46: 1228-32.
- Gupta, S., Pandey, M.K., Levon, K., Haag, R., Watterson, A.C., Parmar, V.S. and Sharma, S.K. 2010. 'Biocatalytic approach for the synthesis of glycerol-based macroamphiphiles and their self-assembly to micellar nanotransporters'. *Macromolecular Chemistry and Physics*, 211: 239-44.
- Shakil, N.A., Singh, M.K., Pandey, A., Kumar, J., Pankaj, Parmar, V.S., Singh, M.K., Pandey, R.P. and Watterson, A.C. 2010. 'Development of poly(ethylene glycol)-based amphiphilic copolymers for controlled release delivery of carbofuran'. *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry*, 47: 241-47.
- Pandey, M.K., Balwani, S., Sharma, P.K., Parmar, V.S., Ghosh, B. and Watterson, A.C. 2010. 'Design, synthesis and anti-inflammatory evaluation of PEGylated 4-methyl- and 4,8-dimethylcoumarins'. *European Journal of Pharmaceutical Sciences*, 39: 134-40.
- Jha, A., Mukherjee, C., Prasad, A.K., Parmar, V.S., Vadaparti, M., Das, U., Clercq, E. De, Balzarini, J., Stables, J.P., Shrivastava, A., Sharma, R.K. and Dimmock, J.R. 2010. 'Derivatives of aryl amines containing the cytotoxic 1,4-dioxo-2-butenyl pharmacophores'. *Bioorganic and Medicinal Chemistry Letters*, 20: 1510-15.

- Singh, U., Kumar, A., Sinha, R., Manral, S., Arora, S., Ram, S., Mishra, R.K., Gupta, P., Bansal, S.K., Prasad, A.K., Biswal, S., Parmar, V.S. and Raj, H.G. 2010.** 'Calreticulin transacetylase catalyzed modification of the TNF- $\alpha$  mediated pathway in the human peripheral blood mononuclear cells by polyphenolic acetates'. *Chemico-Biological Interactions*, 185: 263-70.
- Kumar, A., Pandey, M.K., Anandakathir, R., Mosurkal, R., Parmar, V.S., Watterson, A.C. and Kumar, J. 2010.** 'Sensory response of pegylated and siloxanated 4,8-dimethylcoumarins: A fluorescence quenching study by nitro aromatics'. *Sensors and Actuators B: Chemical*, 147: 105-10.
- Malhotra, S., Calderon, M., Prasad, A.K., Parmar, V.S. and Haag, R. 2010.** 'Novel chemoenzymatic methodology for the regioselective glycine loading on polyhydroxy compounds'. *Organic and Biomolecular Chemistry*, 8: 2228-37.
- Priya, N., Gupta, A., Chand, K., Singh, P., Kathuria, A., Raj, H.G., Parmar, V.S. and Sharma, S.K. 2010.** 'Characterization of 4-methyl-2-oxo-1,2-dihydroquinolin-6-yl acetate as an effective antiplatelet agent'. *Bioorganic and Medicinal Chemistry*, 18: 4085-94.
- Dhand, C., Solanki, P.R., Sood, K.N., Datta, M. and Malhotra, B.D. 2009.** 'Polyaniline nanotubes for impedimetric triglyceride detection'. *Electrochemistry Communications*, 11(7): 1482.
- Kumar, U., Kumari, K., Sharma, S.N., Kumar, M., Vankar, V.D., Kakkar, R. and Kumar, V. 2010.** 'Role of surface modification of colloidal CdSe quantum dots on the properties of hybrid organic-inorganic nanocomposites'. *Colloid Polym. Sci.*, 288(8): 841-49.
- Khurana, J.M. and Kumar, S. 2010. 'Ionic liquid: An efficient and recyclable media for the synthesis of Octahydroquinazolinones and Biscoumarins'. *Monatsch. Chemie*, 141: 561.
- Aggarwal, N., Kumar, R., Srivastava, C., Dureja, P. and Khurana, J.M. 2010.** 'Synthesis of naldixic acid based hydrazones as novel pesticides'. *J. Agric. Food Chem.*, 58: 3056-61.
- Khurana, J.M. and Magoo, D. 2009.** 'Efficient one-pot syntheses of 2H-indazolo[2,1-b] phthalazine-triones by catalytic H<sub>2</sub>SO<sub>4</sub> in water-ethanol or ionic liquid'. *Tetrahedron Lett.*, 50: 7300-03.
- Khurana, J.M., Agrawal, A., and Bansal, G. 2009.** '5, 5-Diaryl and 5-alkyl-3-phenyl-4-imidazolidones: A novel synthesis'. *J. Heterocyclic Chem.*, 46: 10007.
- Khurana, J.M. and Magoo, D. 2009.** 'PTSA catalysed one pot synthesis of 12-Aryl-8,9,10,12-tetrahydrobenzo[a]xanthen-11-ones in ionic liquid and neat conditions'. *Tetrahedron Lett.*, 50: 4777-80.

- Khurana, J.M. and Kumar, S. 2009.** ‘Tetrabutylammonium bromide (TBAB): A neutral and efficient catalyst for the synthesis of biscoumarin and 3,4-dihydropyrano[c]chromene derivatives in water and solvent free conditions’. *Tetrahedron Lett.*, 51: 4125-27.
- Khurana, J.M., Agrawal, A. and Kumar, S. 2009. ‘**Oxidation of Chalcogenides using Peroxo Complex of Molybdenum [Mo(O)(O<sub>2</sub>)<sub>2</sub>(H<sub>2</sub>O)(hmpa)]**’. *J. Braz. Chem. Soc.*, 20: 1256-61.
- Kidwai, M., Bhardwaj, S. and Poddar, R. 2010.** ‘C-Arylation reactions catalyzed by CuO- nanoparticles under ligand free conditions’. *Beilstein J. Chemistry*, 6: doi:10.3762/bjoc.6.35
- Kidwai, M., and Bhatnagar, D. 2010.** ‘Ceric Ammonium Nitrate (CAN) catalyzed synthesis of N-Substituted decahydroacridines in PEG’. *Tetrahedron Lett.* 51: 2700/3.
- Kidwai, M., Bhatnagar, D. and Mishra, N.K. 2010.** ‘Polyethylene Glycol (PEG) mediated green synthesis of 2,5-Disubstituted 1,3,4-Oxadiazoles catalyzed by Ceric Ammonium Nitrate (CAN)’. *Green Chem. Lett. Rev.*, 3: 55-59.
- Kidwai, M., Mishra, N.K., Bansal, V., Kumar, A. and Mozumdar, S. 2009.** ‘Novel One-pot Cu- nanoparticles catalyzed Mannich reaction’. *Tetrahedron Lett.*, 50: 1355-58.
- Kidwai, M., Bansal, V., Mishra, N.K. and Bhatnagar, D. 2009.** ‘An environmentally benign Indium (III) chloride catalyzed one-pot synthesis of quinolines’. *Ind. J. Chem.*, 48B: 746-48.
- Kidwai, M., Poddar, R. and Mothsra, P. 2009.** ‘N-acylation of ethanolamine using lipase: a chemoselective catalyst’. *Beils. J. Org. Chem.*, 5: 10.
- Kidwai, M., Mothsra, P., Gupta, N., Kumar, S.S. and Gupta, R. 2009.** ‘Green enzymatic synthesis of L-Ascorbyl fatty acid ester: An antioxidant’. *Synth. Commun.*, 39: 1-9.
- Kant, R. 2010.** ‘General theory of arbitrary potential sweep methods on an arbitrary topography electrode and its application to random surface roughness’. *J. Phys. Chem. C*, 114: 10894-900.
- Srivastav, S. and Kant, R. 2010.** ‘Theory of Generalized Cottrellian Current at rough electrode with solution resistance effects’. *J. Phys. Chem. C*, 114: 10066-76.
- Jha, S.K. and Kant, R., 2010.** ‘Theory of Partial Diffusion-limited Interfacial Transfer/ Reaction on realistic fractals’. *J. Electroanal. Chem.*, 641: 78-82.
- Singh, R., Singh, R.K., Kumar, J., Kant, R. and Kumar, V. 2010.** ‘The origin of DC electrical conduction and dielectric relaxation in pristine and doped poly(3-hexylthiophene) films’. *Journal of Polymer Science Part B: Polymer Physics*, 48:1047-53.
- Bhandari, S., Deepa, M., Pahal, S., Joshi, A.G., Srivastava, A.K. and Kant, R. 2010.** ‘A dual electrochromic of poly-(3,4-Ethylenedioxythiophene) doped by N,N'-Bis(3-sulfonatopropyl)-4-4'-bipyridinium-redox Chemistry and electrochromism in flexible devices’. *ChemSusChem.*, 3: 97-105.

- Kumar, R. and Kant, R. 2009.** 'Theory of Generalized Gerischer Admittance of realistic fractal electrode'. *J. Phys. Chem. C*, 113: 19558-67.
- Kumar, R. and Kant, R. 2009.** 'Generalized Warburg Impedance on realistic self-affine fractals: Comparative study of statistically corrugated and isotropic roughness'. *J. Chem. Sci.*, 121: 579-88.
- Bhandari, S., Deepa, M., Srivastava, A.K. Joshi, A.G. and Kant, R. 2009.** 'Poly(3,4-ethylenedioxythiophene)-multiwalled Carbon nanotube composite films: Structure-directed amplified electrochromic response and improved redox activity'. *J. Phys. Chem. B*, 113: 9416-28.
- Bhandari, S., Deepa, M., Srivastava, A.K. and Kant, R. 2009.** 'Post-polymerization functionalization of poly(3,4-ethylenedioxythiophene) films by 1-fluoro-2-nitro-4-azidobenzene: electrochromism and redox behaviour'. *J. Material Chem.*, 19: 2336-48.
- Joshi, S., Bisht, G.S., Rawat, D.S., Kumar, A., Kumar, R. and Pasha, S. 2010.** 'Interaction studies of novel cell selective antimicrobial peptides with model membranes and *E. coli* ATCC11775'. *BBA-Biomembranes*, 1792: 1864-75.
- Kumar, D., Joshi, S., Rohilla, R.K., Roy, N. and Rawat, D.S. 2010.** 'Synthesis and antibacterial activity of benzyl-[3 (benzylamino-methyl)-cyclohexylmethyl]-amine derivatives'. *Bioorg. Med. Chem. Lett.*, 20: 893-95.
- Manohar, S., Khan, S.I. and Rawat, D.S. 2010.** 'Synthesis and antimalarial activity and cytotoxicity of 4-aminoquinoline-triazine conjugates'. *Bioorg. Med. Chem. Lett.*, 20: 322-25.
- Kumar, N., Singh, R. and Rawat, D.S. 2010.** 'Tetraoxanes: Synthetic and medicinal chemistry perspective'. *Med. Res. Rev.* DOI 10.1002/med.20189.
- Kumar, N., Khan, S.I., Beena, Rajalakshmi, G., Kumaradhas, P. and Rawat, D.S. 2009.** 'Synthesis, antimalarial activity and cytotoxicity of substituted 3,6-diphenyl-[1,2,4,5]tetraoxanes'. *Bioorg. Med. Chem.*, 17: 5632-38.
- Kumar, N., Khan, S.I., Sharma, M., Aethaya, H. and Rawat, D.S. 2009.** 'Iodine-catalyzed one-pot synthesis and antimalarial activity evaluation of symmetrically and asymmetrically substituted 3,6-diphenyl [1,2,4,5]tetraoxanes'. *Bioorg. Med. Chem. Lett.*, 19: 1675-77.
- Agarwal, N., Kumar, R., Dureja, P. and Rawat, D.S. 2009.** 'Schiffs bases as potential fungicides and nitrification inhibitors'. *J. Agric. Food Chem.*, 57: 8520-25.
- Kumar, N., Khan, S.I., Sharma, M., Aethaya, H. and Rawat, D.S. 2009.** 'Iodine-catalyzed one-pot synthesis and antimalarial activity evaluation of symmetrically and asymmetrically substituted 3,6-diphenyl [1,2,4,5]tetraoxanes'. *Bioorg. Med. Chem. Lett.*, 19: 1675-77.

- Beena, Kumar, N., Rohila, R.K., Roy, N. and Rawat, D.S. 2009.** 'Synthesis and antibacterial activity evaluation of metronidazole-triazole conjugates'. *Bioorg. Med. Chem. Lett.*, 19: 1396-98.
- Mamgain, R., Singh, R. and Rawat, D.S. 2009.** 'DBU-catalyzed three-component one pot synthesis of highly functionalized pyridines in aqueous ethanol'. *J. Heterocyclic Chem.*, 46: 69-73.
- Calderon, M., Quadir, M.A., Sharma, S.K. and Haag, R. 2010.** 'Biomedical applications of dendritic polyglycerols'. *Advanced Materials*, 22: 190-218.
- Priya, N., Gupta, A., Chand, K., Singh, P., Kathuria, A., Raj, H.G., Parmar, V.S. and Sharma, S.K. 2010.** 'Characterization of 4-methyl-2-oxo-1,2-dihydroquinolin-6-yl acetate as an effective antiplatelet agent'. *Bioorg. Med. Chem.*, 18: 4085-94.
- Husain, M., Kumar, V., Kumar, R., Shakil, N.A., Sharma, S.K., Prasad, A.K., Olsen, C.E., Malhotra, S.V., Eckyen, E.V., Levon, K., DePass, A.L. and Parmar, V.S. 2010.** 'Enantioselective biocatalytic reactions on ( $\pm$ )-aryl alkyl ketones by native and modified PPL'. *Biocatalysis and Biotransformation*, 28: 172-84.
- Kumari, R., Bansal, S., Gupta, G., Arora, S., Kumar, A., Goel, S., Singh, P., Ponnann, P., Priya, N., Tyagi, T.K., Baghel, A.S., Manral, S., Tandon, R., Joshi, R., Rohil, V., Gaspari, M., Kohli, E., Tyagi, Y.K., Dwarakanath, B.S., Saluja, D., Chatterji, S., Sharma, S.K., Prasad, A.K., Rastogi, R.C., Raj, H.G. and Parmar, V.S. 2010.** 'Calreticulin transacylase: Genesis, mechanism of action and biological applications'. *Biochimie*. (Online pub.: 16-FLB-2010, DOI: 10.1016/j.biochi.2010.01.016).
- Gupta, S., Pandey, M.K., Levon, K. Haag, R., Watterson, A.C., Parmar, V.S. and Sharma, S.K. 2010.** 'Biocatalytic Approach for the Synthesis of Glycerol-based Nanomicellar Self-assembly Systems'. *Macromolecular Chemistry & Physics*, 211: 239-44.
- Kathuria, A., Gupta, A., Priya, N., Singh, P., Raj, H.G., Prasad, A.K., Parmar, V.S. and Sharma, S.K. 2009.** 'Specificities of acetoxy derivatives of 3-alkyl-4-methylcoumarins for acetoxy drug: Protein transacetylase and their role in activation of Nitric Oxide Synthase'. *Bioorg. Med. Chem.*, 17: 1550-56.
- Singh, A.P., and Gupta, R. 2010.** 'Copper(I) in the Cleft: Syntheses, structures and properties of  $\{Cu^+-Co^{3+}-Cu^+\}$  and  $\{Cu^+-Fe^{3+}-Cu^+\}$  Heterobimetallic Complexes'. *European Journal of Inorganic Chemistry*, DOI: 10.1002/ejic.201000547.
- Munjal, M. and Gupta, R. 2010.** Dinuclear Ni(II) and Cu(II) complexes with Indolecarboxamide ligand: Synthesis, structure and properties'. *Inorg. Chim. Acta*, DOI: 10.1016/j.ica.2010.04.022.
- Sharma, S.K., Hundal, G. and Gupta, R. 2010.** 'The effect of ligand architecture on the structure and properties of square-planer Nickel(II) complexes of amide-based macrocycles, Part 2: Electronic effects'. *European Journal of Inorganic Chemistry*, 621-36.



- Ali, A., Singh, A.P. and Gupta, R. 2010.** 'Lewis acidic metal catalyzed organic transformations by designed multi-component structures and assemblies'. *Journal of Chemistry Society*, 122: 311-20.
- Gopi, K., Rathi, B. and Thirupathi, N. 2010.** 'Synthesis and conformational features of *sym N,N<sub>c</sub>,N<sub>2</sub>*-Triarylguanidines'. *J. Chem. Sci.* 122: 157-67.
- Kumar, U., Thomas, J. and Thirupathi, N. 2010.** 'Factors dictating the nuclearity/aggregation and acetate coordination modes of lutidine-coordinated zinc(II) acetate complexes'. *Inorg. Chem.*, 49: 62-72.
- Mathew, B.P. and Nath, M. 2009.** 'One-pot three-component synthesis of dihydrobenzo- and naphtho[e]-1,3-oxazines in water'. *J. Heterocycl. Chem.*, 46: 1003/6.
- Vats, I.D., Snehlata, Karar, J., Nath, M., Pasha, M.A.Q. and Pasha, S. 2009.** 'Endogenous chimeric peptide: Met-enkephalin-Arg-Phe, differently regulate expression of opioid receptors on chronic treatment'. *Neuropeptides*, 43: 355-62.
- Vats, I.D., Snehlata, Nath, M., Pasha, M.A.Q. and Pasha, S. 2010.** 'Effect of chronic intra-peritoneally administered chimeric peptide of met-enkephalin and FMRFa-[<sub>D</sub>-Ala<sup>2</sup>]YFa-on antinociception and opioid receptor regulation'. *Eur. J. Pain*, 14: 295.e1-295.e9.
- Mathew, B.P., Kumar, A., Sharma, S., Shukla, P.K. and Nath, M. 2010.** 'An eco-friendly synthesis and antimicrobial activities of dihydro-2*H*-benzo- and naphtho-1,3-oxazine derivatives'. *Eur. J. Med. Chem.*, 45: 1502/7.
- Bhattacharjee, A. and Biswas, P. 2010.** 'Neutrality and Evolvability of Designed Protein Sequences'. *Phys. Rev. E.*, 82(1): 011906-011911.
- Bhattacharjee, A. and Biswas, P. 2009.** 'Combinatorial Design of Protein Sequences with Applications to Real and Lattice Proteins'. *J. Chem. Phys.*, 131(12): 125101-10.
- 2009.** 'Structural Patterns in  $\alpha$  – Helices and  $\beta$ - Sheets in Globular Proteins'. *Prot. and Pept. Lett.* 16(8): 953-60.
- Rawat, N. and Biswas, P. 2009.** 'Size, Shape and Flexibility of Proteins and DNA'. *J. Chem. Phys.*, 131(16): 165104/9.
- Snehlata, Vats, I.D., Chopra, M., Biswas, P. and Pasha, S. 2009.** 'Effect of Varying Chain Length between P1 and P1' Position of Tripeptidomimics on Activity of Angiotensin Converting Enzyme Inhibitors'. *Bioorg. and Med. Lett.*, 19: 4364-66.
- Nagarajan, R., Uma, S. and Kharkwal, M. 2010.** 'Comments on "Visible light-induced photo catalyst based on Nickel Titanate nanoparticles". *Industrial & Engineering Chemistry Research*, 49: 1995-96.
- Kharkwal, M., Uma, S. and Nagarajan, R. 2010.** 'Use of a chelating agent for the synthesis of high surface area pyrophanite MnTiO<sub>3</sub> powders'. *Materials Letters*, 64: 692-94.

- Uma, S., Singh, J. and Thakral, V. 2009.** 'Facile room temperature ion-exchange synthesis of Sn<sup>2+</sup> incorporated pyrochlore-type oxides and their photocatalytic activities'. *Inorganic Chemistry*, 48: 11624-30.
- Singh, J. and Uma, S. 2009.** 'Efficient photocatalytic degradation of organic compounds over silver containing mixed metal oxide under UV and visible light/irradiation'. *J. Phys. Chem. C.*, 113: 12483-88.
- Anand, P., Murali, K.Y., Tandon, V., Murthy, P.S. and Chandra, R. 2010.** 'Insulinotropic effect of cinnamaldehyde on transcriptional regulation of pyruvate kinase, phosphoenolpyruvate carboxykinase, and Glut4 translocation in experimental diabetic rats'. *Chemico Biologico Interactions*, 186: 72-81.
- Bansal, S., Tawar, U., Singh, M. and Nikraves, A., Good, L. and Tandon V. 2010.** 'Old class but new dimethoxy analogue of benzimidazole: A bacterial topoisomerase I inhibitor'. *International Journal of Antimicrobial Agents*, 35: 186-90.
- Jain, A.K., Gupta, S.K. and Tandon, V. 2009.** 'Evaluation of Electronic Effect of Phenyl Ring Substituents on the DNA Minor Groove Binding Properties of Novel Bis and Terbenzimidazoles: Synthesis and Spectroscopic Studies of ligand-DNA interaction'. *Oligonucleotides*, 19(4): 329-40.
- Jain, A.K., Gupta, S.K., Tawar, U., Dogra, S.K. and Tandon, V. 2009.** 'Benzimidazoles: A minor groove-binding ligand-induced stabilization of triple helix'. *Oligonucleotides*, 19(1): 53-62.
- Gupta, M., Sajid, A., Arora, G., Tandon, V. and Singh, Y. 2009.** 'Forkhead-associated domain-containing protein Rv0019c and polyketide-associated protein PapA5, from substrates of serine/threonine protein Kinase PknB to interacting proteins of *Mycobacterium tuberculosis*'. *Journal of Biological Chemistry*, 50: 34273-734.
- Verma, A.K., Aggarwal, T., Rustagi, V. and Larock, R.C. 2010.** 'Iodine-catalyzed and solvent-controlled selective electrophilic cyclization and oxidative esterification of ortho-alkynyl aldehydes: An easy access to pyranoquinolines, pyranoquinolinones and isocumarins'. *Chem. Comm.*, 46: 4064-66.
- Verma, A.K., Keshwarwani, T., Singh, J., Tandon, V. and Larock, R.C. 2009.** 'Copper-catalyzed tandem synthesis of N-Fused Isoquinolines, SYNFACTS, 4, 0434-0434 (Highlight of Angew. Chem Int. Ed. 2009, 48, 1138-43).
- Keshwarwani, T., Verma, A.K., Emrich, D. and Larock, R.C. 2009.** 'Studies in Acyl C-H activation via Aryl to Acyl through space migration of Palladium'. *Org. Lett.*, 11(12): 2591-93.
- Verma, A.K., Singh, J. and Larock, R.C. 2009.** 'Benzotriazole: An Excellent Ligand for the Copper-Catalyzed N-Arylation of Indoles'. *Tetrahedron*, 65: 8434-39.

- Verma, A.K., Keshwarwani, T., Singh, J., Tandon, V. and Larock, R.C. 2009.** 'A Copper-catalyzed tandem synthesis of Indolo- and Pyrrolo[2,1-a]isoquinolines'. *Angew. Chem Int. Ed.*, 48: 1138-43.
- Singh, A.P., Kaushik, N.K., Verma, A.K., Hundal, G. and Gupta, R. 2009.** 'Synthesis, structure and biological activity of copper(II) complexes of 4-(2-pyridylmethyl)-1,7-dimethyl-1,4,7-triazonane-2,6-dione and 4-(2-pyridylethyl)-1,7-dimethyl-1,4,7-triazonane-2,6-dione'. *European Journal of Medicinal Chemistry*, 44: 1607-14.
- Gupta, T., Tartakovsky, E., Iron, M.A. and van der Boom M.E. 2010.** 'A monolayer-based setup for optical amplification'. *ACS Appl. Mater. Interfaces*, 2(1): 7-10.
- Gupta, T. 2010.** 'Reversible electrochemical and chemical addressing of optical properties of ternary Os(II) polypyridyl complexes'. *Inorg. Chem. Commun.*, 13(6): 724-26.
- Kikkeri, R., Kamena, F., Gupta, T., Hossain, L.H., Boonyarattanakalin, S., Gorodyska, G., Beurer, E., Coullerez, G., Textor, M. and Seeberger, P.H. 2010.** 'Ru(II)-Glycodendrimers as Probes to Study Lectin-Carbohydrate Interactions and Electrochemically Measure Mono- and Oligosaccharide Concentrations'. *Langmuir*, 26(3): 1520-23.
- Attri, P., Reddy, P.M., Venkatesu, P., Kumar, A. and Hofman, T. 2010.** 'Measurements and molecular interactions for N,N-dimethylformamide with ionic liquid mixed solvents'. *Journal of Physical Chemistry B.*, 114: 6126-33.
- Attri, P., Reddy, P.M. and Venkatesu, P. 2010.** 'Density and ultrasonic sound speed measurements for N,N-dimethylformamide with ionic liquids'. *Indian Journal of Chemistry*, 49A: 736-42.
- Attri, P., Venkatesu, P. and Lee, M.J. 2010.** 'The influence of osmolytes and denaturants on the structure and enzyme activity of  $\alpha$ -chymotrypsin'. *Journal of Physical Chemistry B.*, 114: 1471-78.
- Kumari, P.G., Venkatesu, P., Hofman, T. and Prabhaka Rao M.V. 2010. '**Excess molar enthalpies and vapor liquid equilibrium for N-methyl-2-pyrrolidone with ketones**'. *J. Chem. Eng. Data.*, 55: 69-73.
- Venkatesu, P., Lee, M.J. and Lin, H.M. 2009.** 'Counteracting effects of trimethylamine N-oxide and betaine on the interactions of urea with zwitterionic glycine peptides'. *Thermochimica Acta.*, 491: 20-28.
- Bhattacharya, Sathiyendiran, M., Luo, T.T., Chang, C.H., Cheng, Y.H., Lin, C.Y., Lee, G. H., Peng, S.M., and Lu, K.L. 2009.** 'Ground and excited electronic states of Quinone-containing Re(I)-based rectangles: A comprehensive study of their preparation, electrochemistry and photophysics'. *Inorg. Chem.*, 48: 3731-42.
- Sathiyendiran M., Wu J.Y., Velayudham M., Lee G.H., Peng S.M., and Lu K.L. 2009.** 'Neutral metallacyclic rotors'. *Chem. Commun.*, 3795-97.

**Kidwai, M.** Chapter IV: 'Nanoparticles in Green Catalysis' in Paul Anastas edited. USA: Wiley-VCH.

**Rawat, D.S.** 'Synthetic and Clinical Status of Marine Derived Anticancer Peptides' in *Compendium of Bioactive Natural Products*. USA: Studium Press LLC.

'Marine Natural Alkaloids as Anti-Cancer Agents' in *Opportunity, Challenge and Scope of Natural Products in Medicinal Chemistry*.

**Verma, A.K.** (ed.) *Larock's Comprehensive Organic Transformation (COT-III)*, 3rd Revision Wiley-Blackwell.

**Gupta, T.** 'Surface-confined inorganic-organic hybrid materials for sensor functionalities', in *Advanced Organic-Inorganic Composites: Materials and Applications*. USA: Nova Science Publication (review article).

### **Patents**

**M.E. van der Boom, Gupta, T. and Graham de Ruiter.** Selective optical recognition, quantification and detoxification Cr<sup>6+</sup> in aqueous media, U S Pat. Appl. Publ., 68pp., CIP Appl. No. PCT/IL09/000122 (2009).

**Lu, K.L., Sathiyendiran, M., Lee, C.C., Chang, C.H., Tseng, T.W., Peng, S.M. and Lee, G.H.** Metallacycles and methods of making the same. Pub. No.: US 2009/0082574 A1.

## **Dr. B.R. AMBEDKAR CENTRE FOR BIOMEDICAL RESEARCH**

### **Major Activities**

In addition to the publications in different areas of research being pursued at the Centre, Dr. Manisha Tiwari has been awarded the patent in 2009 for preparation of novel diallyl sulphide compounds having antilipidemic and antioxidant activity (Indian patent No: 236214). The total publications from the Centre in 2009-10 is 46. The faculty of the Centre have undertaken collaborative projects with faculties of other departments of the University as well as outside the University. The 'Catch Them Young' programme, a collaborative programme for human resource development between ACBR and CSIR has been sanctioned for three years, 2010-13, which enables the Centre to provide ten merit-based fellowships each to M.Sc. Previous and Final students. The bioinformatics infrastructure facility is successfully running for the third year and training workshops were organized this year.

### **Ph.D. Degrees awarded**

Ph.D. - 12

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Mining the human genome for global regulatory genes: Identification, characterization and functional analysis.	Prof. Vani Brahmachari	DST
Functional analysis of dINO80, a chromatin remodeling protein through P-element excision and RNAi mediated gene silencing using transgenic approach.	Prof. Vani Brahmachari	CSIR
Analysis of repeat expansion and epigenetic modifications around triplet repeat regions using transgenic mice.	Prof. Vani Brahmachari	CSIR
To understand the regulation of gene expression by RUNX-1 (AML) and its mutants.	Prof. Daman Saluja	ICMR
Understanding the mechanism of hydrophobic drug resistance in the clinical isolates of <i>Neisseria gonorrhoeae</i> .	Prof. Daman Saluja	UGC
Identification and characterization of stem cells in pre-cancer and cancer of the uterine cervix: Contribution of stem cells in the HPV- associated cervical cancer.	Prof. B.C. Das	DST
Development of folate receptor-mediated system for targeted delivery of curcumin in cancer cells.	Prof. B.C. Das	ICMR
Prevalence of high-risk human Papillomavirus (HR-HPV) types in healthy adolescents and women with cervical carcinoma in Tamil Nadu.	Prof. B.C. Das	ICMR
Synthesis and biological evaluation as potential anti-Parkinsonian agents.	Prof. Pratibha Mehta Luthra	DBT
Synthesis of DNA intercalator and cyto-toxicity of brain tumours.	Prof. Pratibha Mehta Luthra	DST

Antibacterial action of ar-turmerone and in vivo studies of curcuminoids.	Prof. Pratibha Mehta Luthra	DU-DST-Purse
Animal house facility development.	Prof. Pratibha Mehta Luthra	DST-FIST
Development of anticancer therapeutics: Targeting drug loaded nanocarriers to CD44, a Hyaluroan receptor.	Dr. Madhu Chopra	DU-DST-Purse
Creation of bioinformatics infrastructure facility at ACBR, working as Coordinator. Institutional Project.	Dr. Madhu Chopra	DBT
Potent antitumour agents.	Dr. Madhu Chopra, Aruna Chhikara, Anil Mishra	DBT
<i>Programmes taken up involving Inter-institutional collaboration</i>		
WHO project on development of regional HPV laboratory for monitoring HPV Vaccine Programme.	Prof. B.C. Das	WHO
ICMR-DKFZ (Indo-German) project on development of chimeric genetic vaccine against human Papillomavirus Type 16.	Prof. B.C. Das	Indo-German
PATH/Bill & Melinda Gates Foundation, USA, project on screening for cancer of cervix by Fast HPV and aided visual tests in a rural community: A demonstration project.	Prof. B.C. Das	PATH, USA
Merck project on Clinical Trial: Evaluation of tolerability and immunogenicity of 'Gardasil' in healthy females between 16 and 23 years of age, in India.	Prof. B.C. Das	ICMR
Project to evaluate the antianxiety activity of some novel aryl piperazines, in collaboration with DIPAS.	Dr. Manisha Tiwari	DU
Survey of North Indian medicinal plants for their larvicidal activity against malaria and filarial vectors.	Dr. Madhu Chopra Dr. Veena Aggarwal	ICMR
Computational design and prediction of activity of novel opioid receptor antagonists and angiotensin converting enzyme inhibitors.	Dr. Madhu Chopra Dr. Santosh Pasha	

## **New Addition**

Prof. K. Natarajan

## **Appointment of faculty member to higher Posts/Assignments**

**Prof. B.C. Das:** Member, Board of Studies in 'Chromosomal and Molecular Diagnostics' of Banaras Hindu University.

## **Honours/Distinctions**

**Prof. Vani Brahmachari:** Elected Fellow of the National Academy of Sciences, India.

**Prof. B.C. Das:** FICCI Award for Innovative R&D in Life Sciences/Applied Research.

SAASCR award of Society of American Asian Scientists in Cancer Research.

## **Seminars/Conference held**

**Dr. Madhu Chopra:** Secretary 2nd Workshop on 'Bioinformatics in Drug Design and Development', 22-24 December 2009.

**Dr. Amitava Adhikary:** 'Current trends in DNA radiation chemistry', Department of Chemistry, Oakland University, Rochester, Michigan, USA.

**Rakesh Singh:** 'Cellular origin and molecular perturbations in myelodysplastic syndromes (MDS) stem cells', Bitr. Forskare (Asst. Research Scientist), Stem Cell Center, BMC, B10 Klinikgatan 26, SE- 221 84 Lund Sweden.

## **Seminars/Conferences attended**

**Prof. B.C. Das:** Workshop on 'Promoting Dual Use Education in Life Sciences', organized by Polish Academy of Sciences, Staszic Palace, Nowy Swiat 72, Warsaw, Poland, 15-18 November 2009.

'Natural Antivirals and Immunomodulators in Cervical Cancer' in IV Biennial Conference of Asia Oceania Research Organization on 'Genital Infections and Neoplasia' AOGIN, Delhi, 26-28 March 2010.

**Prof. Pratibha Mehta Luthra:** Bio-essay: 'Guided HPLC Purification of turmerones from turmeric oil of *Curcuma longa*'.

**Prof. Pratibha Mehta Luthra, Rambir Singh and Jyotsna Singh:** XIII International Meeting on Rapid Development in Pharmaceutical Analysis (RDPA), University of Milan via Festa del Perdono 7, Milan, Italy, 9-12 September 2009.

**Prof. Daman Saluja:** XVIII ISSTDR in conjunction with BASHH Congress in London, 28 June-1 July 2009.

'Evaluation of a new point of care solution for diagnosis of chlamydia trachomatis and identification of possible vaccine candidates'.

'Prevalence of African-plasmid and multiple mutations at mtr locus leads to high.

Embo workshop on runx transcription factors in development and disease, St. Anne's College, Oxford, UK, 16-19 August 2009.

**Vineet Kumar, Mashook Ali, Leena Vig, Harish Batra, Nidhi Bansal and Daman Saluja:** 'Role of CBFA2T2 AND CBFA2T1 in the regulation of neuronal development', XIX European Congress of Clinical Microbiology and Infectious Diseases, Helsinki, Finland, 16-20 May 2009.

**D. Sachdev, J. Zack, P. Sachdeva, U. Chaudry, U. Bala, M., A.L. Patel and D. Saluja:** Penicillin resistance in clinical isolates of neisseria gonorrhoeae.

**A.L. Patel, D. Sachdev, P. Sachdeva and Daman Saluja:** 'High prevalence of Chlamydia trachomatis and Neisseria gonorrhoeae infections in patients visiting gynecology department of hospitals in Delhi using an in-house PCR assay and ELISA based method of detection'.

**Prof. Vani Brahmachari:** 'Trends in Drug Discovery', T3D International Conference, Chemistry Department, Delhi University, January 2010.

**Prof. B.C. Das:** 'HPV, HPV Vaccines and its prospects in India' at Serum Institute and Jehangir Hospital, Pune, 25 May 2009.

'Applying Principles of Stem Cell Biology to Human Disease' in Workshop on 'Application of Culture Techniques in Plant, Animal and Bacterial Systems', Miranda House, Delhi University, 14 July 2009.

'Rethinking Curriculum: Redefining Fundamentals to Strengthen the New Age Knowledge Foundation', workshop organized by *Economic Times*, Delhi, 11 August 2009.

'HPV and Cervical Cancer' in workshop on 'Hands-on Training Workshop in Advanced Molecular techniques' sponsored by DST, Govt. of India, 1 October 2009.

'Transcriptional Regulation of HPV: Role of fra-1 and c-fos' in LXXVIII Annual Meeting of Biological Chemist at YASHADA, Pune, 30 October–1 November 2009.

'First Successful Vaccine against Human Cancer' in Annual Techno-Literary festival, In Cyte 2009, at the Institute of Biotechnology of Amity University, Noida, 29 October 2009.

'Molecular Targeting of Cancer Cells by Herbal Derivatives' in International Symposium on 'Molecular Pathology and Applied Genomics organized by SRL, New Delhi, 7 November 2009.

'Stem Cell Biology in Human Health and Disease' at Miranda House, Delhi University, 23 November 2009.

'Applying the Principles of Stem Cells Biology in Cancer' at XIV All India Congress of Cytology and Genetics Conference, Kolkata, 1-4 December 2009.



'The cross-talk between NF- $\kappa$ B/AP1 and HPV during oral carcinogenesis' in International Symposium on 'Cancer Chemoprevention and Translational Research', at JNU, 21 December 2009.

'Molecular biology tools in the prevention of women cancer' in a Conference on 'Applications and Special Effects of Advanced Tools and Techniques in Current Zoology', Hindu Girls College, Sonapat, 23 January 2010.

'Molecular Targeting of Cancer Cells by Herbal Derivatives', National Seminar at Allahabad University, Allahabad, 30 January 2010.

'Molecular Targeting of Cancer Cells by Herbal Derivatives' in the 'Reorientation Training Programmes on Research Methodology in Applied Ayurveda' at Central Council for Research in Ayurveda and Siddha, Janakpuri, New Delhi, 17 February 2010.

'The Cross talk between NF- $\kappa$ B/ AP-1 during epithelial carcinogenesis' in a symposium on 'DNA Repair, Genomic Instability and Cancer' at Department of Zoology, Banaras Hindu University, Varanasi, 4-5 March 2010.

'Transcriptional Targeting in Epithelial Cell Carcinoma' in a Symposium (under UGC-SAP programme) on 'Development of molecular strategies to combat various human diseases', Department of Biochemistry, Delhi University, New Delhi, 17 March 2010.

'DNA Science in Biotechnology' in the National Conference on 'Leads for Futuristic Biotechnological Inputs: Indian Context' organized by IAMR Institute, Ghaziabad, 26-27 March 2010.

**Prof. Pratibha Mehta Luthra:** 'Targeting A<sub>2A</sub> receptor, a novel therapeutic approach to prevent neuronal cell death in PD', International Conference on Neuroscience Updates and Annual Meeting of Society for Neurochemistry (India), Cochin University Science & Technology, Cochin, Kerala, 12-14 December 2009.

**Dr. Madhu Chopra:** Invited Lecture 'Design and Development of Cyclooxygenase-2 Inhibitors Using Pharmacophore Modeling And Virtual Screening' at International Conference on 'Trends in Drug Discovery and Development' (T3D-2010), Department of Chemistry, 5-8 January 2010.

**Prof. B.C. Das:** Chairperson of Scientific session on 'Viral Immunology and Drug Discovery' in 'Emerging Frontiers in Immunogenomics of Infectious Diseases' at XVI Annual Symposium of Ranbaxy Science Foundation at NII, New Delhi, 4 November 2009.

Expert member in Panel on 'EU-India S&T Co-operation Days-Round table discussion' at JNU, Delhi, 6 November 2009.

Chairperson of Scientific session on 'HPV Diagnostics' in the IV Biennial Meeting of the Asia Oceania Research Organization on Genital Infections and Neoplasia, New Delhi, 26-28 March 2010.

**Prof. Daman Saluja:** 'Members of myeloid translocation gene family, the putative tumor suppressors, function as co-repressors in modulation of wnt signaling', Indian Association of Cancer Research, Kochi, 2010.

### **Publications**

**Mehta, A.K., Majumdar, S.S., Alam, P., Gulati, N. and Brahmachari, V. 2009.** 'Gene, Epigenetic regulation of Cytomegalovirus major immediate-early promoter activity in transgenic mice', 428: 20-24.

**Sohal, J.S., Sheoran, N., Krishnamoorthy, N., Brahmachari, V., Singh, S. and Subodh, S. 2009.** 'Veterinary Microbiology Genetic analysis of local isolate of *Mavium* subspecies *paratuberculosis*', 134 (3-4): 375-82.

**Kapoor, G., Maitra, A., Somlata and Brahmachari, V. 2009.** 'Application of SNaPshot technique for analysis of thiopurine methyltransferase gene polymorphism'. *IJMR*, 129: 500-05 (Commentary by Sonja Pavlovic, *IJMR*, 129: 478-80).

**Ahluwalia, J., Hariharan, M., Bargaje, R., Pillai, B. and Brahmachari, V. 2009.** 'Incomplete penetrance and variable expressivity: is there a micro RNA connection'. *BioEssays*, 31: 981-92.

**Gurudutta, G.U., Saluja, D. and Tripathi, R.P. 2009.** 'PU.1 and Partners: Regulation of Hematopoietic Stem Cell Fate in Normal and Malignant Hematopoiesis'. 13(11-12): 4349-63.

**Mishra, A., Bharti, A.C., Saluja, D. and Das, B.C. 2009.** 'Trans-activation and expression patterns of jun and fos/AP-1 supere-family proteins in human oral cancer'. *Int. J. Cancer*, [Epub ahead of print] 119: 2840-50.

**Sachdeva, P., Patel, A.L., Sachdev, D., Ali, M., Mittal, A. and Saluja, D. 2009.** 'Comparison of an in-house PCR assay, direct fluorescence assay and the Roche AMPLICOR *Chlamydia trachomatis* kit for detection of *C. trachomatis*'. *J. Med Microbiol.*, 867-73.

**Singhal, S., Kohaar, I., Bharadwaj, M., Shukla, D.K., Das, B.C. and Kar, P. 2009.** 'Association of TNF-alpha gene promoter polymorphisms with acute viral hepatitis in Indian Population'. *Digestive Diseases and Sciences*.

**Kohaar, I., Hussain, S., Thakur, N., Tiwari, P., Nasare, V., Batra, S., Singh, V., Bhambani, S., Das, B.C., Sarkar, D.P. and Bharadwaj, M. 2009.** 'Association between human leukocyte antigen class II alleles and human papillomavirus-mediated cervical cancer in Indian women'. *Human Immunology*, 70: 222-29.

**Salam, I., Hussain, S., Mohd. Mir, M. Dar, N.A., Abdullah, S., Siddiqi, M.A., Lone, R.A. Zargar, S.A., Sharma, S., Hedau, S., Basir, S.F., Bharti, A.C. and Das, B.C. 2009.** 'Aberrant Promoter Methylation and Reduced Expression of p16 Gene in Esophageal Squamous Cell Carcinoma from Kashmir Valley: a high-risk area', *Mol. Cell. Biochemistry*, 332: 51-58.

- Shukla, S., Bharti, A.C., Hussain, S., Mahata, S., Hedau, S., Kailash, U., Kashyap, V., Bhambani, S., Roy, M., Batra, S., Talwar, G.P. and Das, B.C. 2009.** 'Elimination of High-Risk Human Papillomavirus type HPV16 Infection by 'Praneem' Polyherbal Tablet in Women with early Cervical Intraepithelial Lesions', *J. Cancer Res. Clin. Oncol.*, 135: 1701-9.
- Hussain, I., Rehman, S.U., Afroze, D., Zahoor, L., Abdullah, S., Hafiz, A., Shah, Z.A., Iqbal, S., Shaffi, M., Das, B.C. and Siddiqi, M.A. 2009.** 'Mutational spectrum of conserved regions of TP53 and PTEN genes in Kangri cancer (of the skin) in the Kashmiri population', *Mutation Research*, 676: 5-10.
- Sardana, S., Sharma, S., Sodhani, P., Sehgal, A. and Das, B.C. 2009.** 'An epidemiological study to identify the risk factors with two different types of controls in high-grade cervical lesions including invasive cancer', *Eur. J. Cancer Care*, 18: 620-24.
- Singhal, S., Chakravarty, A., Das, B.C. and Kar, P. 2009.** 'Tumour necrosis factor-alpha and soluble Fas ligand as biomarkers in non-acetaminophen-induced acute liver failure', *Biomarkers*, 14: 347-53.
- Hussain, S., Bharti, A.C., Irfana, S., Bhat, M.A., Mir, M.M., Hedau, S., Siddiqi, M.A., Basir, S.F. and Das, B.C. 2009.** 'Transcription factor AP-1 in esophageal squamous cell carcinoma: Alteration in activity and expression during human papillomavirus infection'. *BMC Cancer*, 9: 329-41.
- Md. Neyaz K, Hussain, S., Md. Hassan, I., Das, B.C., Hussain, S.A. and Bharadwaj, M. 2009.** 'Novel missense mutation in FHIT gene: interpreting the effect in HPV-mediated cervical cancer in Indian women', *Molecular Cellular Biochemistry*.
- Sobti, R.C., Singh, N., Hussain, S., Suri, V., Bharti, A.C. and Das, B.C. 2009.** 'Overexpression of STAT3 in HPV-mediated cervical cancer in a North Indian population. *Mol. Cell. Biochemistry*, 330: 193-99.
- Luthra, P.M., Barodia, S.K. and Raghbir, R. 2009.** 'Antagonism of haloperidol-induced swim impairment in L-dopa and caffeine treated mice: a pre-clinical model to study Parkinson's disease'. *J. Neurosci Methods*, 178(2): 284-90.
- Luthra, P.M., Kumar, R. and Prakash, A. 2009.** 'Demethoxycurcumin induces Bcl-2 mediated G2/M arrest and apoptosis in human glioma U87 cells'. *Biochem Biophys Res Commun*, 384(4): 420-25.
- Luthra, P.M., Prakash, A., Barodia, S.K., Kumari, R., Mishra, C.B. and Kumar, J.B.S. 2009.** 'In silico study of naphtha [1, 2-d] thiazol-2-amine with adenosine A<sub>2A</sub> receptor and its role in antagonism of haloperidol-induced motor impairments in mice'. *Neuroscience Letters*, 463: 215-18.
- Aneja, R., Luthra, P.M. and Ahuja, S. 2009.** 'High performance liquid chromatography separation of enantiomers of mandelic acid and its analogs on a chiral stationary phase', *Chirality*, (DOI) 10.1002/chir.20767.

**Luthra, P.M., Mishra, C.B., Jha, P.K. and Barodia, S.K. 2009.** 'Synthesis of novel 7-imino-2-thioxo-3, 7-dihydro-2H-thiazolo [4, 5-d] pyrimidine derivatives as adenosine A2A receptor antagonists', *Bioorganic & Medicinal Chemistry Letters*.

**Dahiya, S., Chuttani, K., Khar, R.K., Saluja, D., Mishra, A.K. and Chopra, M. 2009.** 'Synthesis and evaluation of Ciprofloxacin derivatives as diagnostic tools for bacterial infection by Staphylococcus Aureus. *Metallomics*, 1: 409–17, DOI: 10.1039/b908474f, [Royal Society of Chemistry].

**Snehlata, Vats, I.D., Chopra, M., Biswas, P. and Pasha, S. 2009.** 'Effect of Varying Chain Length between P1 and P1' Position of Tripeptidomimics on Activity of Angiotensin Converting Enzyme Inhibitors', *Bioorganic Medicinal Chemistry Letters*, 19: 4364-66, [Elsevier Sciences].

**Bansal, S., Ponnann, P., Raj, H.G., Weintraub, S.T., Chopra, M., Kumari, R. and Saluja, D. 2009.** 'Autoacetylation of Purified Calreticulin Transacetylase Utilizing Acetoxycoumarin as the Acetyl Group Donor'. *Applied Biochemistry and Biotechnology*, 157: 285-98, [Springer].

**Mathur, R., Suman, S., Beaume, N., Ali, M., Bhatt, A.N., Chopra, M., Saluja, D. and Dwarakanath, B.S. 2010.** 'Interaction and structural modification of topoisomerase II $\alpha$  by peptidyl prolyl isomerase, pin1: An In Silico study'. *Protein and Peptide Letters*, 17(2): 151-63.

**Wilkinson, D.E., Baylis, S.A., Padley, D., Heath, A.B., Ferguson, M. and Pagliusi, S.R. 2010.**

'Quint WG, Wheeler CM, WHO Collaborative Study Group (B.C. Das), Establishment of the 1st World Health Organization international standards for human papillomavirus type 16 DNA and type 18 DNA'. *International Journal of Cancer*, 15: 126(12): 2969-83.

**Ohaar, I., Thakur, N., Hussain, S., Md. Niyaz K, Das, B.C., Sengupta, S. and Bharadwaj, M. 2010.** 'Homocysteine levels are associated with Cervical Cancer independent of Methylene Tetrahydrofolate Reductase gene (MTHFR) polymorphisms in Indian population', *Biomarkers*, 15: 61-68.

**Aish, M., Dhillon, V.S., Ahmad, A., Ansari, M., Mudassar, S., Batra, V., Gupta, P., Shukla, N.K., Das, B.C. and Husain, S.A. 2009.** 'Promoter Hypermethylation in tumour suppressing genes p16 and FHIT, and their relationship with estrogen receptor (ER) and progesterone receptor (PR) status in breast cancer patients'. *Translational Oncology*, 2: 264-70.

**Shukla, S., Bharti, A.C., Mahata, S., Hussain, S., Kumar, R., Hedau, S. and Das, B.C. 2009.** 'Infection of human papillomaviruses in cancers of different human organ sites', *Indian J. Med. Res*, 130: 222-33.

**Bharti, A.C., Shukla, S., Mahata, S., Hedau, S. and Das, B.C. 2009.** 'Anti-human papillomavirus therapeutics: Facts & future', *Indian J. Med Res*, 130: 296-310.

**Bharadwaj, M., Hussain, S., Nasare, V. and Das, B.C. 2009.** 'HPV & HPV vaccination: Issues in developing countries', *Indian J. Med Res*, 130: 327-33.

**Kumar, S., Guleria, R., Singh, V., Bharti, A.C., Mohan, A. and Das, B.C. 2009.** 'Efficacy of plasma vascular endothelial growth factor in monitoring first-line chemotherapy in patients with advanced non-small cell lung cancer', *BMC Cancer*, 9: 421-32.

**Kumar, S., Guleria, R., Singh, V., Bharti, A.C., Mohan, A. and Das, B.C. 2010.** 'Plasma nucleosome levels might predict response to therapy in patients with advanced non-small-cell lung cancer'. *Clin Lung Cancer*, 11: 36-44.

**Sobti, R.C., Singh, N., Hussain, S., Suri, V., Bharadwaj, M. and Das, B.C. 2010.** 'Deregulation of STAT-5 isoforms in the development of HPV-mediated cervical carcinogenesis'. *J. Recept Signal Transduct Res.* 30(3): 178-88.

**Srivastava, R., Saluja, D., Bilikere, S., Dwarakanath and Chopra, M. 2010.** 'Inhibition of Human Cervical Cancer Cell Growth by Ethanolic Extract of *Boerhaavia diffusa* Linn. (Punarnava) Root'. *Evidence-based Complementary and Alternative Medicine*, doi: 10.1093/ecam/nep223.

### **Review Articles**

**Bharti, A.C., Shukla, S., Mahata, S., Hedau, S. and Das, B.C. 2010.** 'Human Papillomavirus and control of cervical cancer in India', *Expert Reviews In Obstet & Gynaecology*, 5(3), 329-46.

Guest Editor of a special issue on a topic 'Human Papillomavirus', *Indian Journal of Medical Research (IJMR)* Vol.130(3): 209-349, September 2009.

**Bhatia, S. and Brahmachari, V. 2009.** 'Epigenetics as a cause for the eloquent silence of stem cells', In *Stem Cells: Basics and Applications*. Deb, K.D. and Totey, S.M., (eds). Delhi: Tata McGraw Hill Education Ltd., pp. 505-37.

## **GEOLOGY**

### **Major Activities**

Prof. Tandon's main work has been to infer Holocene climatic instability in the sediments of the southern Ganga plains. He has also found interlinkages between the tectonics and geomorphology in the Pinjaur Dun of NW Himalayas and dated the major event around  $\sim 55.7 \pm 6$  ka BP. Prof. C.S. Dubey has worked on the arsenic content in the groundwaters in NCR. He has also delineated the structural features associated with earthquakes in NCR. Dr. A Chattopadhyay has continued his work on a highly innovative project on 'digital mapping' and structural analysis of a classical continental basement shear zone, the Canisp Shear Zone in NW Scotland. Dr. D.K. Sinha has contributed to refinement of the Global Cenozoic Time Scale by providing planktic foraminiferal dates for the last six million years.

He has also documented teleconnections between ENSO, Western Pacific Warm Pool, Indonesian Throughflow and northern hemisphere glaciations (NHG). In addition, he has carried out detailed taxonomic studies of the stratigraphically important *Globorotalia* group from Neogene of the eastern Indian Ocean. Dr. V. Jain has worked out the landscape evolution pattern in response to climate and tectonic changes during late quaternary time period. Dr. Pankaj Srivastava inferred paleoclimatic changes based on the analyses of alluvial fans and paleosols from the Late Quaternary of the Kangra Basin. Prof. Talat Ahmad inferred provenance of Late Archean Aravalli mafic rocks from Rajasthan, India, based on Nd isotopes and provided evidence for enriched mantle reservoirs. In addition he deciphered the tectonic implications of Palaeoproterozoic anatexis and Late Miocene metamorphism in the Lesser Himalayan Sequence, Sutlej Valley, NW India. Prof. A.M. Bhola inferred the occurrence of Kink Bands from the Chamba region and related it to the thrusts. In addition, he was involved in Uranium exploratory work in the Narnaul region. Dr. P.P. Chakraborty has contributed immensely in the field of sequence stratigraphy and worked in Chattisgarh and parts of Orissa. He has also worked towards the understanding of sedimentary environments of Paleogene Himalayan sediments. Dr. Vimal Singh has contributed in preparing an evolutionary landform model at the Himalayan mountain front and showed its relationship with drainage readjustment in the area. Dr. Ashutosh Kumar has contributed in the field of climate studies.

#### **Ph.D./M.Phil. Degrees awarded**

Ph.D.	-	5
M.Phil.	-	5

#### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Development of indicators for anthropogenic, environmental and chemical stress on urban programme ecosystem: A study of aquatic and terrestrial ecosystems of Yamuna river catchment from National Capital Region (Delhi).	Dr. Vikrant Jain	DU-DST-Purse
River dynamics and flood risk evaluation of the Kosi river, north Bihar plains: An integrated approach.	Dr. Vikrant Jain	Ministry of Earth Sciences

Control of stream power distribution pattern on river types and landscape patterns in the Ganga River basin, India, and role of basin Geology.	Dr. Vikrant Jain	DST
Morphotectonic variability along the NW Himalayan Front: Tectonics-Climate Coupling	Dr. Vikrant Jain	DST
Geochemistry and Geochronology of magmatic input in the craton-mobile belt supracrustal ensemble around Eastern margin of Bastar craton: clues for crust-mantle interaction.	Dr. P.P.Chakraborty	DST
Stratigraphic and sedimentological appraisal for the siliciclastic successions of Singhora, Khariar and Ampani Basins, Central India: Inter-basinal correlation.	Dr. P.P. Chakraborty	DST
Study of corrosion mechanism in borosilicate nuclear waste glass for long term performances assessments in geological repository.	Prof. J.P. Srivastava	BARC, Mumbai
Paleomagnetic, compositional and tectonomagmatic setting of basaltic lava sequence from Mandla Lobe of the Eastern Deccan Volcanic Province.	Prof. J.P. Srivastava	DST
Petrochemistry and petrogenesis of mafic dykes from the Eastern Deccan Volcanic Province between Narmada-Son and Tapti lineaments.	Prof. J.P. Srivastava	DST
Magmatism and hydrothermal activity on the fast spreading East Pacific Rise.	Prof. J.P. Srivastava	DST
Structural evolution of Gavilgarh-Tan Shear zone, Central India: Field, micro structural and experimental approach.	Dr. A. Chattopadhyay	DST

Interfluvial stratigraphy, sedimentology, and geochemistry of the Central and Southern Ganga Plains.	Dr. P. Srivastava	DST
Pedosedimentary evolution of quaternary alluvial fans of Kangra Intermontane Basin, NW Himalayas.	Dr. P. Srivastava	DST
Holocene climatic changes based on planktic foraminiferal variation from ODP Hole 723 (leg 117), Oman margin Western Arabian Sea.	Dr. D.K. Sinha	DU
Systematic of late Neogene Planktic foraminifera from Eastern Indian Ocean.	Dr. D.K. Sinha	DU
Inherent geological control on the stream power distribution pattern and its effect on river types and processes.	Dr. V. Jain	DU
Lithostructural studies of the uraniumiferous metamorphites of Delhi Super Group rocks, Haryana, Rajasthan utilizing aerospace data in the GIS platforms.	Prof. A.M. Bhola	BRNS, Govt. of India
Analysis of factors controlling occurrence and availability of groundwater in North district of NCT Delhi: assessment of groundwater development potential, and groundwater management options.	Dr. Shashank Shekhar	DU
Conceptual assessment of the impact on groundwater regime of a part of the underground Delhi Metro tunnel using numerical modeling approach.	Dr. Shashank Shekhar	DU
River dynamics and hazard assessment in the Himalayan foreland.	Prof. S.K.Tandon	UK-India Education and Research Initiative



Variability of Indian monsoon since last \Glacial Maximum (LGM) based on quantitative and stable isotopic analyses of depth related planktic foraminiferal assemblage from Western Arabian Sea and Bay of Bengal. (In Collaboration with PRL, Ahmedabad).	Dr. D.K. Sinha	ISRO-GBP
Trace elements and Nb-Sr.Pb Isotopic Compositional studies on basalts from Eastern Deccan volcanic province.	Prof.J.P.Srivastava	University of Hawaii
Assessment of groundwater potential of Yamuna flood plain, NCT, Delhi.	Dr. Shashank Shekhar	In collaboration with NIH Roorkee, IIT Delhi, CGWB, NRL, IARI Sponsored by Delhi Jal Board

### **Appointment of faculty members to higher Posts/Assignments**

**Dr. D.K. Sinha:** Expert member, CSIR–Net Syllabus restructuring Committee.

**Prof. J.P. Shrivastava:** Expert in AMD, BARC-DAE, Bombay, for promotion of Scientist C, D and E., Expert in DRDO for the post of scientist B and C., Expert in the selection committee for Lecturer and Reader in Pune University and Banaras Hindu University, Expert in UPSC for the selection of Junior Geologists.

Paper setter and evaluation work in the UPSC, Chhattisgarh PSC examination, Manipur PAC examination, HP PSC examination, J&K examination, GATE examination.

**Prof. C.S. Dubey:** Co-ordinator, Ist MoU Delhi University and Joseph Fourier University, France, and Co-Coordinator, PAC on Seismology, Ministry of Earth Sciences, Govt. of India.

Expert Member, IMD-EREC, MOES telemetry network station programme and Expert Member, Fresh SAP Induction Review Committee, UGC.

Advisory Expert, UGC SAP programme, Earth Sciences, Goa University.

### **Honours/Distinctions**

**Prof. S.K. Tandon:** Elected Vice-President of the Geological Society of India and Elected to the Council of IUGS.

Serving President of the Indian Association of Sedimentologists.

Invited Member of the Technical Advisory Committee (Physics and Earth Sciences) of ISI, Calcutta, Invited Presidential Lecture in the Indian Association of Sedimentologist, M S University, Baroda, Centennial Lecture Series in IISc, Bangalore.

Elected Chairperson of the Young Scientists Committee (Earth Sciences) of DST, Elected Member of the Advisory Committee, HRDG (CSIR, New Delhi).

### **Seminars/Conferences attended**

**Prof. S.K. Tandon:** Delivered an invited talk at ISI, Calcutta, on 'Interfluves and Valleys of the Southern Ganga Plains: Expression of Landscape Dynamics in Late Quaternary Stratigraphic Records' (SKT).

**Dr. D.K. Sinha:** Delivered an invited talk at the Micropaleontology Colloquium, Trichy.

Gave an invited talk on Paleoclimatic Modelling of Pliocene at CMMACS, Bangalore.

**Prof. C.S. Dubey:** Keynote Address on 'Anthropogenic arsenic Menace in Yamuna Flood Plains', CGWB 2009.

**A. Saikia:** Attended 4th Asia-Oceania Geoscience.

Indian Colloquium on Micropaleontology and Stratigraphy, Tiruchy, Tamilnadu, 2009.

### **Publications**

**Shashank, S., Mohiddin, S.K. and Singh, P.N. 2009.** 'Variation in concentration of Fluoride in groundwater of South West district of NCT Delhi: A case study', In *Assessment of Groundwater Resources and Management*, Edited by Ramanathan, A.L., Bhattacharya, P., Keshari, A.K., Bundschuh, J., Chandrashekharan, D. and Singh, S.K. New Delhi: I.K. International Publishing House Ltd.

**Mohiddin, S.K., Shekhar, S., Kapoor, U. and Singh, P.N. 2009.** 'Enhancing the Recharge Capabilities of Aravalli Ridge Around the National Capital Territory, Delhi, India', In *Assessment of Groundwater Resources and Management*, Edited by Ramanathan, A.L., Bhattacharya, P., Keshari, A.K., Bundschuh, J., Chandrashekharan, D. and Singh, S.K. New Delhi: I.K. International Publishing House Ltd., pp. 26-39.

### **Articles in Journals/Periodicals**

**Alam, M., Naushad, M., Wanjari, N. and Ahmad, T. 2009.** 'Geochemical characterizations of mafic magmatic rocks of the Central Indian Shield: Implication for Precambrian crustal evolution'. In: (eds) Ahmad, T., Hirsch, F. and Punya Charusiri, P. 'Geological Anatomy of India and the Middle East', *Journal of the Virtual Explorer*, Electronic Edition, ISSN 1441-8142, 32(8).

**Prabhakar, B.C., Jayananda, M., Shereef, N.M. and Kano, T. 2009.** 'Synplutonic mafic injections in to crystallizing granite pluton form Gurgunta area, northern part of Eastern Dharwar craton: implications for magma chamber processes'. *Jour. Geol. Soc. of India*, 74: 171-88.

**Boyer, D.M., Prasad, G.V.R., Goswami, A., Krause, D.W., Godinot, M., Verma, O. and Flynn, J.J. 2010.** 'New postcrania of Deccanolestes from the Late Cretaceous of India and their bearing on the evolutionary and biogeographic history of euarchontan mammals'. *Naturwissenschaften* (Berlin).

**Chattopadhyay, A. and Holdsworth, R.E. 2009.** 'Photo-of-the-month: Ductilely deformed pseudotachylite layer in sheared granite of Gavilgarh-Tan Shear Zone, central India'. *Jour. Struct. Geol.*, 31: 353.

**Chattopadhyay, A., Holdsworth, R.E., McCaffrey, K.J.W. and Wilson, R.W. 2010.** 'Recording and analyzing geospatially accurate structural data through 'Digital Mapping' technique: a case study from the Canisp Shear Zone, NW Scotland'. In: Mamtani, M.A. (ed) 'Structural Geology: From Classical to Modern Concepts'. *Spl. Issue, Jour. Geol. Soc. Ind.*, 75: 43-59.

**Cina, Sara E., Yin, A., Grove, M., Dubey, C.S., Shukla, D.P., Lovera, O.M., Kelty, T.K., Gehrels, G.E. and Foster, D.A. 2009.** 'Gangdese Arc Detritus within the Eastern Himalayan Neogene Foreland Basin: Implications for the Neogene Evolution of the Yalu-Brahmaputra River System', *Earth Planetary Science Letters*, 285(1-2): 150-62 doi:10.1016/j.

**De Lapparent de Broin, F., Prasad, G.V.R., Bajpai, S. and Verma, O. 2009.** 'Chelonian remains from the Upper Cretaceous Deccan Intertrappean Beds of peninsular India: Review, new material and comparisons'. *Proceedings of Gaffney Turtle Symposium*, Special Publication of the Royal Tyrrell Museum, pp. 95-97 (Alberta).

**Dhir, R.P., Singhvi, A.K., Andrews, J.E., Kar, A., Sareen, B.K., Tandon, S.K., Kailath, A. and Thomas, J.V. 2010.** 'Multiple episodes of aggradation and calcrete formation in Late Quaternary aeolian sands, Central Thar Desert, Rajasthan, India'. *Journal of Asian Earth Sciences*, 37(1): 10-6.

**Dinkar, G.K., Bhola, A.M. and Singh, V.K. 2009.** 'Progressive vein development and their implications to the tectonic framework of Delhi Supergroup Rocks, India'. *Proceedings of 2nd International Conference on Precambrian Continental Growth and Tectonism*, Bundelkhand University, pp. 24-8.

**Dubey, C.S., Villa, I.M. and Singh, N.P. 2009.** 'Petrochemistry and Origin of K-rich Syenites in Sikkim, Eastern Himalayas', in *Magmatism, Tectonism and Mineralization*, editor Santosh Kumar. New Delhi: Macmillan Publishers. pp. 56-73.

**Hussain, M. and Ahmad, T. 2009.** 'Geochemical characteristics of the Granitoids of Mikir Hills massif of Shillong Plateau, Northeast India: Implication for Pan-African Magmatic Activity'. In: (eds) Ahmad, T., Hirsch, F. and Charusiri, P. *Geological Anatomy of India and the Middle East, Journal of the Virtual Explorer*, Electronic Edition, ISSN 1441-8142, Vol. 32(4).

- Kashyap, M., Shrivastava, J.P. and Kumar, R. 2010.** 'Occurrence of small scale pahoehoe lava flows in the Mandla lobe of the eastern Deccan volcanic province', *Current Science*, 97 (12): 67-72.
- Khosla, A., Sertich, J.J.W., Prasad, G.V.R. and Verma, O. 2009.** 'Dyrosaurid remains from the intertrappean beds of India and the Late Cretaceous distribution of the Dyrosauridae'. *Journal of Vertebrate Paleontology*, 29(4): 1321-6 (Chicago).
- Kumar, P., Saraswati, P.K. and Banerjee, S. 2009.** 'Early Miocene Shell Concentration in The Mixed Carbonate-Siliciclastic System of Kutch and Their Distribution in Sequence Stratigraphic Framework'. *Journal of The Geological Society of India*, pp. 433-44.
- Kumar, R. and Shrivastava, J.P. 2009.** 'Geochemistry of basaltic dykes from Betul-Jabalpur area in the Deccan volcanic province'. *J. Geological Society of India*, 7: 194-206.
- Jayananda, M., Miyazaki, T., Gireesh, R.V., Mahesha, N. and Kano, T. 2009.** 'Synplutonic mafic dykes from late Archaean granitoids in the Eastern Dharwar craton, southern India'. *Jour. Geol. Soc. India*, 73: 117-31.
- Mohanty, William, K., Prakash, R., Suresh, G., Shukla, A.K., Walling, Y.M. and Shrivastava, J. P. 2009.** 'Estimation of coda wave attenuation for National Capital Region, Delhi, India using local earthquakes'. *Pure and Applied Geophysics*, 166: 1-21.
- Pal, T. and Deb, M. 2009.** 'Breithauptite: a rare antimonide in the Dariba-Rajpura-Bethumni belt, Rajsamand district, Rajasthan'. *Jour. Geol. Soc. India*, 74: 35-38.
- Pandey, S.K., Shrivastava, J.P. and Roonwal, G.S. 2009.** 'Petrography and mineral chemistry of neovolcanics occurring between pacific and Nazca plate boundaries', *J. Geol. Soc. of India*, 74 (5): 559-72.
- Prasad, G.V.R. and Sahni, A. 2009.** 'Late Cretaceous continental vertebrate fossil record from India: Palaeobiogeographical insights'. *Bulletin de la Societe Geologique de France*, 180(4): 369-81 (Paris).
- Prasad, G.V.R. 2009.** 'Divergence time estimates of mammals from molecular clocks and fossils – Relevance of new fossil finds from India'. *Journal of Biosciences*, 34(5): 649-59 (Bangalore).
- Prasad, G.V.R., Verma, O., Gheerbrant, E., Goswami, A., Khosla, A., Parmar, V. and Sahni, A. 2010.** 'First mammal evidence from the Late Cretaceous India for biotic dispersal between India and Africa at the K/T transition'. *Comptes Rendus Palevol.* (Paris).
- Rahman, W., Singh, S.K., Sinha, R. and Tandon, S.K. 2009.** 'Climate control on erosion distribution over the Himalaya during past ~100 ka', *Geology*, 37(6): 559-62. DOI: 10.1130/G25425A.1.

- Chatterjee, R., Gupta, S.K., Mohiddin, S.K., Singh, P.N., Shekhar, S. and Purohit, R. 2009.** 'Dynamic groundwater resources of National Capital Territory, Delhi: assessment, development and management Options'. *Environ Earth Sci. J*, 59(3): 669-86.
- Rani, N., Shrivastava, J.P. and Bajpai, R.K. 2009.** 'Corrosion mechanism in the obsidian and its comparison with the nuclear waste glass for long-term performance assessment in geological repository', *The open Corrosion Journal*, 2: 234-45.
- Ranjan, N. and Banerjee, D.M. 2009.** 'Central Himalayan crystallines as the primary source for the sandstone-mudstone suites of the Siwalik Group: New geochemical evidence', *Gondwana Research*, 16 (3-4): 687-96.
- Shekhar, S. and Prasad, R.K. 2009.** 'The groundwater in Yamuna flood plain of Delhi (India) and the management options', *Hydrogeology J*, 17: 1557-60.
- Chatterjee, R., Gupta, B.K., Mohiddin, S.K., Singh, P.N. Shekhar, S. and Purohit, R. 2009.** 'Dynamic groundwater resources of National Capital Territory, Delhi: assessment, development and management Options', *Environ Earth Sci. J.*, 59(3): 669-86.
- Saikia, A., Frost, D.J., Boffa, B.T. and Rubie, D.C. 2009.** 'A compressibility study of (Al, Fe)-MgSiO<sub>3</sub> perovskite single crystals: implications for lower mantle', *Physics of Earth and Planetary Interiors*, 173(1-2): 153-61.
- Saini, H.S., Tandon, S.K., Mujtaba, S.A.I., Pant, N.C. and Khorana, R.K. 2009.** 'Reconstruction of buried channel-floodplain systems of the northwestern Haryana Plains and their relation to the 'Vedic' Saraswati', *Current Science*, 97(11): 1634-43.
- Shekhar, S. and Prasad, R.K. 2009.** 'The groundwater in Yamuna flood plain of Delhi (India) and the management options, *Hydrogeology J.*, 17: 1557-60.
- Shrivastava, J.P. 2010.** 'Discussion on Petrography and mineral chemistry of neovolcanics occurring between Pacific and nazca plate boundaries by S. Vishwanathan', *J. Geol. Soc. of India*, 75: 441-42.
- Singh, B.P., Tandon, S.K., Singh, G.P. and Pawar, J.S. 2009.** 'Palaeosols in early Himalayan foreland basin sequences demonstrate latitudinal shift-related long-term climate change'. *Sedimentology* doi: 1111/J. 1365-3091. 2008. D 1042.
- Singh, T. and Jain, V. 2009.** 'Tectonic constraints on watershed development on frontal ridges: Mohand Ridge, NW Himalaya, India. *Geomorphology*', *Geomorphology*, 106: 231-41.
- Singh, V. and Tandon, S.K. 2010.** 'Integrated analysis of structures and landforms of an intermontane longitudinal valley (Pinjaur dun) and its associated mountain fronts in the NW Himalaya'. *Geomorphology*, 114(4): 573-89.
- Sinha, R., Kettanah, Y., Gibling, M.R., Tandon, S.K., Jain, M., Bhattacharjee, P.S., Dasgupta, A.S. and Ghazanfari, P. 2009.** 'Craton-derived alluvium as a major sediment source in the Himalayan Foreland Basin of India'. *GSA Bulletin*, doi: 1130/B 26431.1

**Srivastava, P., Rajak, M.K. and Singh, L.P. 2009.** 'Late Quaternary alluvial fans and paleosols of the Kangra basin, NW Himalaya: Tectonic and paleoclimatic implications'. *Catena*, 76(2): 135-54.

**Srivastava, R.K. and Ahmad, T. 2009.** 'Precambrian mafic magmatism in the Indian shield: Retrospect and prospect'. *Journal of the Geological Society of India*, 73(1): 7-11.

**Vijaya, Prasad, G.V.R. and Singh, K. 2009.** 'Late Triassic palynoflora from the Pranhita-Godavari valley, India: evidence from vertebrate coprolites'. *Alcheringa*, 33: 91-111 (Australia).

**Yin, A., Dubey, C.S., Kelty, T.K., Webb, A.A.G., Harrison, T.M., Chou, C.Y., C  lerier, Julien and Burgess, W.P. 2010.** 'Geologic Correlation of the Himalayan Orogen and Indian Craton (part 2): Structural Geology, Geochronology and Tectonic Evolution of the Eastern Himalaya Himalayap1-36'. *Bull. Geological Society of America*, 122 (3/4): 360-95.

**Yin, A., Dubey, C.S., Webb, A.A.G., Grove, M., Gehrels, G.E. and Burgess, W.P. 2010.** 'Geologic Correlation of the Himalayan Orogen and Indian Craton (part 1): Structural Geology, U-Pb Zircon Geochronology, and Tectonic Evolution of the Shillong Plateau and its Neighboring Regions in NE India', *Bulletin Geological Society of America*, 122(3/4): 336-59.

**Shekhar, S., Purohit, R.R. and Kaushik, Y.B. 2010.** 'Groundwater Management in NCT Delhi', Paper included in the special session on Groundwater in the 5th Asian Regional Conference of Indian National Committee on Irrigation and Drainage (INCID), Vigyan Bhawan, New Delhi, 9-11 December 2009.

## PHYSICS & ASTROPHYSICS

### Major Activities

Several high-end research instruments, high performance computing facility and Astronomical observatory facility have been set up in the Department. These facilities are used extensively by the faculty and research scholars working in the frontier research areas of High Energy Physics, Complex Systems, Condensed Matter Physics, Astrophysical Turbulence, Astronomical data analysis, Experimental Nuclear Physics, and other areas. The Department strengthened its public outreach activities during the year. The new state-of-the-art Astronomical Observatory held its SKYWATCH programme from 9 February to 3 March 2010.

The Faculty is involved in both theoretical and experimental research. Active research is being pursued in the thrust areas of Condensed Matter Physics, Electronic Materials, Solid State Physics, Plasma Processing for Nano-materials, High Energy Physics, Nuclear Physics, Atomic and Molecular Physics, Biological Systems, String Theory, Astrophysics, Cosmology and Advanced Mathematical Physics. Activities towards the development of smart structures

and nanomaterials for various device applications are in progress. Different kinds of sensor structures for effective detection of toxic gases, bio-molecules, harmful radiations, pressures and acoustic vibrations have been fabricated using good quality materials and nanostructures. The development of solid-state batteries and super capacitors using novel materials are in progress. Multi-component materials and nanostructures in bulk and thin film form have been fabricated exhibiting semiconducting, ferroelectrics and ferromagnetic properties using various routes. Single crystal of ferroelectric materials have been grown and characterized for photonics application. Activities towards the development of the solar cell with enhanced efficiency have also been initiated using various design structures.

#### **Ph.D. Degrees awarded**

Ph.D. - 14

#### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Strategies for search of Physics beyond the standard model.	Prof. Debajyoti Choudhary	DST(Ramanna-Fellowship)
Physics beyond the standard model.	Prof. Debajyoti Choudhary	DST (SERC)
Polymer composites with mixed ion + electron conduction -for device applications.	Dr. Amita Chandra	UGC
Novel Si-based nano electronic devices in confined geometry.	Dr. Amita Chandra	CSIR
Investigation of magnetic, optical and electrical properties of nanomaterials synthesis, characterization and applications.	Dr. Amita Chandra	DST
Random matrix model with gaps and applications.	Dr. Nivedita Deo	CSIR
Polymeric gel electrolytes based solid state redox supercapacitors using composite conducting polymer electrodes.	Dr. S.A. Hashmi	DST
Polymeric gel electrolytes based solid state Rechargeable Magnesium Batteries.	Dr. S.A. Hashmi	CSIR

Electrical double Layer Capacitors using large Area Carbon Composite electrodes and Polymeric Gel Electrolytes.	Dr. S.A. Hashmi	UGC
Black Holes and D-Braneworld.	Dr. S.K. Kar	DST
Synthesis of high performance piezoelectric ceramic and crystals for device fabrication.	Dr. Binay Kumar	DST
Growth of device level non linear optical organic/Semi-Organic Single Crystals by various methods.	Dr. Binay Kumar	PURSE
Magnetic rotational bands crossing and role of the proton and neutron orbital in magnetic rotation (MR phenomena near $A=135$ '.	Dr. Suresh Kumar	UGC-DAE CSR-KC
Pre-operative programme for Indian participation in the FAIR Project at GSI, Darmstadt, Germany.	Dr. S.K. Mandal	DST
Exploring the dynamics of time-delay coupling in nonlinear systems.	Dr. Awadhesh Prasad	DST
Development of indicators for anthropogenic, environmental and chemical stress on urban environmental and chemical stress on urban ecosystem: A study of aquatic and terrestrial ecosystems of Yamuna River Catchment from National Capital Region.	Dr. Awadhesh Prasad	DU-DST- PURSE
Nanocrystalline porous silicon for optical biosensing.	Dr. Shyama Rath	UGC
SHI modification of $In_2O_3$ films.	Dr. Shyama Rath	IUAC
Optical, electrical, magnetic properties of nanomaterials.	Dr. Shyama Rath	DST



3 Dimensional simulation of convection in Sun-like Stars.	Prof. H.P. Singh	ISRO
Design & development of functional materials.	Prof. Vinay Gupta	DRDO
Development of prototype saw sensor for NO <sub>x</sub> gas.	Prof. Vinay Gupta	DST
Development of PLD CeO <sub>2</sub> films for biosensor and CeO <sub>2</sub> thin films for mediator-less glucose biosensor.	Prof. Vinay Gupta	UGC
Magnetron source for metal films.	Prof. Vinay Gupta	DST
Multifunctional ZnO film for AO & OE device.	Prof. K. Sreenivas	DST
Synthesis and characterization of quantum dots.	Prof. R.P. Tandon	LASTEC
Semiconductor quantum dots for optical storage applications.	Prof. R.P. Tandon	DST
Oxide films for infrared applications	Prof. R.P. Tandon	DST
Synthesis, microstructural and physical properties of monolithic SiC foams.	Prof. R.P. Tandon	DRDO
Synthesis and characterization of nanocrystalline lead titanate ceramics.	Prof. R.P. Tandon	DRDO

*Programmes taken up involving Inter-institutional Collaboration*

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Indian Neutrino Observatory.	Prof. Debajyoti Choudhury	DAE
Multifunctional Zinc Oxide(ZnO) films for acoustic and optoelectronic sensing device applications.	Prof. K.Sreenivas	ANU, Canberra, Australia
Integration of piezoelectric Zinc Oxide films with MEMS device structure.	Prof. Vinay Gupta	
Carbon di oxide decomposition by plasma methods.	Prof. M.P. Srivastava & Prof. Akira Kobayasi	

## **New Additions**

Dr. Mohd. Naimuddin

Dr. Jyoti Rajput

Dr. Sourav Sur

Dr. Sanjeev Verma

## **Honours/Distinctions**

**Prof. Debajyoti Choudhury:** Elected Fellow of the Indian Academy of Science (Bangalore) in 2010.

**Dr. Amita Chandra:** Member, Selection Committee, Alexander von Humboldt Foundation, Germany, International Climate Protection Fellowships.

Humboldt Ambassador Scientist

**Dr. Awadhesh Prasad:** Member of Editorial Board 'Chaos, Soliton and Fractal' published by Elsevier Science.

**Dr. Shyama Rath:** Paper entitled 'Experimental investigation of the electromagnetic spectral interference law,' Received Best Paper Award in International Conference on Optics and Photonics, 2009, Chandigarh, India. B. Kanseri, S. Rath and H.C. Kandpal.

**Prof. M.P. Srivastava:** Visiting Professor to Osaka University, Japan, January to March 2010 on JSPS invitation.

Executive Member of VII International Symposium on Applied Plasma Science, Hamburg, Germany, 2009; Executive Member of Institute of Applied Plasma Sciences, Japan.

Member, National Advisory Committee for XXIV National Symposium on Plasma Science and Technology, Hamirpur, 2009; Member, National Advisory Committee for XXV National Symposium on Plasma Science and Technology, BITS Patna, 2010; Member, Editorial Board for *Frontier of Applied Plasma Technology*, Japan, 2010.

Associate Editor, *Plasma Applications and Hybrid Functionally Materials*, Korea, 2010.

## **Seminars/Conferences held**

**Dr. Awadhesh Prasad:** SERC School on Nonlinear Dynamics, Delhi University, 8-24 December 2009.

Dynamics Day Delhi, SPS, JNU, 7 November 2009.

**Prof. R.P. Tandon:** Organized International Conference on Electroceramics at Delhi University, 13-17 December 2009.

## **Seminars/Conferences attended**

**Prof. Debajyoti Choudhury:** International Linear Collider, Beijing, March 2010.

**Dr. Nivedita Deo and Prof. Sanjay Jain:** School and Conference From Biological Networks to Cellular Function: Evolution, Dynamics and Spatial Organisation, ICTP Trieste, Italy, 8-12 June 2009.

**Prof. Sanjay Jain:** Invited talk: 'Structure and Boolean dynamics of E. coli's genetic regulatory network: Origin of homeostasis and flexibility of response'.

School on 'Steps in Evolution', Jacobs University, Bremen, Germany, 28 June-5 July 2009.

Invited Talk 1: 'From Randomness to complexity in chemical networks'.

Invited Talk 2: 'Rules of Growth and Selection'.

**Dr. S.K. Kar:** Conference in Honour of Murray Gellman's LXXX Birthday on 'Quantum Mechanics, Elementary Particles, Quantum Cosmology & Complexity', at N.T.U., Singapore, 24-27 February 2010.

**Dr. Awadhesh Prasad:** International Workshop on 'Delayed Complex Systems' at the Max Planck Institute for the Physics of Complex Systems in Dresden, Germany, 5-9 October 2009.

**Prof. M.P. Srivastava:** Delivered an Invited lecture during International Workshop on 'Plasma Diagnostics and Applications' at Nanyang Technological University, Singapore, 2-3 July 2009.

Delivered an Invited lecture during Seventh International Symposium on Applied Plasma Science (ISAPS'09), University of Hamburg, Germany, 31 August-4 September 2009.

Delivered a lecture entitled 'Carbon dioxide decomposition by Plasma Route' at JWRI, Osaka University, Japan, 8 February 2010.

Delivered a lecture entitled 'Plasma Route to Nanostructures' at Department of Electrical Engineering, University of Saga, Saga, Japan, 10 February 2010.

Delivered a Plenary Lecture during Third International Workshop on 'Plasma Application and Hybrid Functionally Materials' and XVII Annual Meeting of Institute of Applied Plasma Science at Centum Hotel, Busan, Korea, 26-28 February 2010.

Presented an oral paper during third International Conference on 'Plasma Nano Technology and Science' at Meijo University, Nagoya, Japan, 11-12 February 2010.

**Dr. Binay Kumar:** XVII American Conference on Crystal Growth and Epitaxy, at Lake Geneva, Wisconsin, USA, 9-14 August, 2009.

**Dr. Kirti Ranjan:** 'Projected exclusion limits on the SM Higgs boson cross sections obtained by combining the H to WW and ZZ decay channels.' By Ranjan, K. and Kumar, A. HCP2009 - Hadron Collider Physics Symposium, Evian, France, 16-20 November 2009.

**Prof. Debajyoti Choudhury:** Workshop on 'High Energy Physics Phenomenology', Ahmedabad, January 2010.

**Dr. Nivedita Deo:** International Conference on 'Physics Biology Interface', Saha Institute of Nuclear Physics, Kolkata, 13-16 December 2009.

'Frontiers in Quantum Science 2009', Institute of Mathematical Sciences, Chennai, 21-22 December 2009.

ICTS Inaugural Event, JN Tata Auditorium, Bangalore, 27-31 December 2009.

**Prof. Sanjay Jain:** International Conference on 'Physics Biology Interface', Saha Institute of Nuclear Physics, Kolkata.

Invited Talk: 'Structure and dynamics of the large scale regulatory network of *E. Coli*', Science Without Boundaries, International Centre for Theoretical Sciences, Bangalore, 27-31 December 2009.

'Breaking Barriers: From Physics to Biology', National Centre for Biological Sciences, Bangalore, 9-11 January 2010.

Workshop on 'Evolution of Complex Systems', Indian Institute of Science, Bangalore, 13-15 January 2010.

Invited Talk: 'Formalizing the notion of "innovation" in an evolutionary model'.

**Dr. S.K. Kar:** Invited talk, Alok Kumar Memorial Meeting at Institute of Physics, Bhubaneswar, 17-19 January 2010.

**Dr. Shyama Rath:** 'On the optical and electrical characterization of Indium oxide films', N. Tripathi, Rath, S., Kumar, R. and Avasthi, D.K., International Conference on 'Transport and optical properties of nanomaterials', Allahabad University, 5-8 January 2009.

**N. Tripathi, S.S. Islam, R. Kumar and S. Rath:** 'SHI irradiation induced defect emission in Indium oxide thin films', International Conference on 'Multifunctional oxide material', Department of Physics, Himachal Pradesh University, Shimla, 16-18 April 2009.

**Neeti Tripathi, Chaman Singh and Shyama Rath:** 'X-ray diffraction and Raman study of ZnO film fabricated by chemical bath deposition', Fifteenth International workshop on 'Physics of semiconductor devices', Jamia Millia University, 15-19 December 2009.

'Optical investigations of Ge nanocrystals formed by thermal annealing of GeOx films', Vijayrangamuthu K.S. Rath, Fifteenth International workshop on 'Physics of semiconductor devices', Jamia Millia University, 15-19 December 2009.

**Dr. Binay Kumar:** 'Pb-based and Pb-free piezoelectric systems for high performance applications' Invited Talk in International Conference on Electroceramics, Delhi, 13-17 December 2009.

**Dr. S.A. Hashmi:** Invited talk on 'Conducting Polymer for Supercapacitor Applications' in the one-day workshop on 'Advanced Materials & Nano Technology' at Jaypee Institute of Information Technology, Noida, 21 November 2009.

Invited talk on 'Electrical Double Layer Supercapacitors: Some Issues and Challenges', VIII National Conference on Solid State Ionics, H.S. Gour University, Sagar, 7-9 December 2009.

Invited talk on 'Polymer Gel Electrolytes based batteries and Supercapacitors' in Workshop on 'Solid State Ionics', at M.S. University, Baroda, 20-22 March 2010.

**Prof. Debajyoti Choudhury:** 'LHC and New Frontiers of Particle Physics', Calcutta University, Kolkata, December 2009.

'New Horizons', Allahabad, January 2010.

**Dr. S.K. Kar:** National String Meeting at IIT Bombay, Mumbai, 10-15 February 2010.

**Dr. Suresh Kumar:** Workshop on 'Physics with HIRA' at IUAC, New Delhi, 29-30 May 2009.

School-cum-Workshop on 'Nuclear Yrast and Near Yrast States –YRAST, 09', Department of Physics, Indian Institute of Technology Roorkee, 24-30 October 2009.

**Dr. Awadhesh Prasad:** Lectures in SERC-NLD School, Delhi University, 8-24 December 2009.

**Prof. M.P. Srivastava:** Participated as a Member of National Advisory Committee, Chairman of a Session and as a Judge for selecting candidates for 'Buti Award' 2009 during 24th National Symposium on 'Plasma Science and Technology' at National Institute of Technology, Hamirpur, HP, 8-11 December 2009.

Chairman of a session in International Workshop on 'Plasma Diagnostics and Applications' at NTU, Singapore, 2009, and attended a Council meeting of Asian African Association for Plasma Training, Malaysia, as its Vice President.

Chairman of a session in Third International Workshop on 'Plasma Application and Hybrid Functionality Materials', Busan, Korea, 2010.

**Dr. Binay Kumar:** 'Need of Technologically Important Crystals', Keynote address at UGC sponsored National Conference on 'Recent Trends in Material Synthesis and Characterization', at Nagpur, 4-5 December 2009.

Invited Talk 'Development of high performance piezoelectric single crystals for applications', at Variable Energy Cyclotron Centre, Kolkata, 18 June 2009.

Invited Talk 'High performance piezoelectric crystals: Growth, Characterization and Applications' in National Conference on 'Advanced Materials – Processing, Characterisation and Applications'. Tirunelveli, Tamil Nadu, August 2009.

Five Invited Talks at Crystal Growth Center, Anna University, as Senior Associate in UGC:CGC-AU Facility, March 2009. (a) 'Enhancement of crystalline and material properties of superconducting Bi-2212 and piezoelectric LiNbO<sub>3</sub> single crystals through post growth

treatments', (b) 'Piezoelectric, dielectric and structural characterization of flux grown PZNT single crystals', (c) 'Morphology and growth features on variously grown crystals', (d) 'Quality control of semiorganic NLO single crystals through optimization of pH-value', (e) 'Need of Pb-free high performance piezoelectric system'.

## **Publications**

### **Books**

**Hashmi, S.A., Chandra, A. and Chandra, A. (eds). 2009.** *Electroactive Polymers: Materials and Devices*, Vol.3, New Delhi: Macmillan.

*Noncommutative Geometry: A Perspective in String and Field Theories*, Singapore: World Scientific.

### **Research Articles**

**Basu, R., Choudhury, D. and Mani, H.S. 2009.** 'Fermionic un-particles, gauge interactions and the  $\beta$  function,' *Eur. Phys. J. C* **61**, 461.

**Biswal, S.S., Choudhury, D., Godbole, R.M. and Mamta, 2009.** 'Role of polarization in probing anomalous gauge interactions of the Higgs boson,' *Phys. Rev. D* **79**, 035012.

**Bhattacharya, S., Chauhan, S.S., Choudhary, B.C. and Choudhury, D. 2009.** 'Quark

Excitations Through the Prism of Direct Photon Plus Jet at the LHC', *Phys. Rev. D* **80**, 015014.

**Bhattacharya, S., Chattopadhyay, U., Choudhury, D., Das, D. and Mukhopadhyaya, B. 2010.** 'Non-universal scalar mass scenario with Higgs funnel region of SUSY dark matter: a signal-based analysis for the Large Hadron Collider', *Phys. Rev. D* **81**, 075009.

**Ohlan, A., Singh, K., Chandra, A., Singh, V.N. and Dhawan, S.K. 2009.** 'Conjugated polymer nanocomposites: Synthesis, dielectric and microwave absorption studies'. *Journal of Applied Physics*, 106: 044305.

**Ohlan, A., Singh, K., Chandra, A. and Dhawan, S.K. 2010.** 'Microwave absorption behavior of core-shell structured poly (3,4-ethylenedioxy thiophene)-barium ferrite nanocomposites'. *ACS Applied Materials and Interfaces*, 2: 927.

**Rawat, S. and Chandra, A. 2010.** 'Study of surface morphology of ferrofluid deposited etched ion tracks in dielectric layers'. *Radiation Measurements*, 45: 844.

**Garg, I. and Deo, N. 2009.** 'A Random Matrix Approach to RNA Folding with Interaction', *Pramana Journal of Physics*, 73: 533.

- 2009.** 'Scaling, phase transition and genus distribution functions in matrix models of RNA with linear external interactions', arXiv: 0911.3710v1 [q-bio.BM] 2009.
2009. 'RNA matrix models with external interactions and their asymptotic behavior', *Phys. Rev. E* 79, 061903 2009.
- Kumar, S. and Deo, N. 2009.** 'Multifractal Properties of the Indian Financial Market', *Physica A* 388, 1593 2009.
- Poonam, P. and Deo, N. 2010.** 'Effect of gas flow on electronic transport in a DNA-decorated carbon nanotube', arXiv:0811.0656v3 [14 May 2010,cond-mat.mtrl-sci].
- 2009.** 'Experimental investigations on ionic liquid based magnesium ion conducting polymer gel electrolyte'. Pandey, G.P. and Hashmi, S.A. *J. Power Sources*, 187: 627-34.
- Pandey, G.P., Agarwal, R.C. and Hashmi, S.A. 2009.** 'Magnesium ion conducting gel polymer electrolytes dispersed with nanosized MgO'. *J. Power Sources*, 187: 563-72.
- Pandey, G.P., Hashmi, S.A. and Kumar, Y. 2010.** 'Multiwalled carbon nanotube electrodes for electrical double layer capacitors with ionic liquid based gel polymer electrolyte'. *J. Electrochem. Soc.*, 157(1): A105-A114.
- Kumar, D. and Hashmi, S.A. 2010.** 'Ionic liquid based sodium ion conducting gel polymer electrolytes'. *Solid State Ionics*, 181: 416-23.
- 2010.** 'Ion transport and ion-filler-polymer interaction in PMMA based sodium ion conducting gel polymer electrolytes dispersed with SiO<sub>2</sub> nanoparticles'. *J. Power Sources*, 195: 5101-8.
- Mehrotra, R., Soni, V. and Jain, S. 2009.** 'Diversity begets stability in an evolving network'. *Journal of the Royal Society Interface*, 6: 793-99.
- Kar, S. 2009.** 'Noncommutative D-brane world, black holes and extra dimensions'. (Delhi U.). 6pp. *International Journal of Modern Physics A* 24 2009 3571.
- Kar, S., Pandey, K.P., Singh, A.K. and Sunita, S. 2010.** 'Gravity dual D3-braneworld and Open/Closed string duality', arXiv:1002.1906 [hep-th].
2010. 'Emergent gravity/Non-linear U(1) gauge theory correspondence', arXiv:1002.3976 [hep-th].
- Singh, B.K., Kumar, K., Sinha, N. and Kumar, B. 2009.** 'Flux growth and low temperature dielectric relaxation in piezoelectric Pb[(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)<sub>0.91</sub>Ti<sub>0.09</sub>]O<sub>3</sub> single crystals' Cryst'. *Res. Technol*, 44 (9): 915-24.
- Gupta, M.K., Sinha, N., Singh, B.K., Singh, N., Kumar, K. and Kumar, B. 2009.** 'Piezoelectric, dielectric, optical and electrical characterization of solution grown ZnO nano crystals'. *Material Letters*, 63: 1910-13.

- Singh, B.K. and Kumar, B. 2009.** 'Evidence of additional phase transitions at lower temperatures in the flux grown  $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})_{0.91}\text{Ti}_{0.09}\text{O}_3$  single crystal'. *Materials Letters*, 63: 625-28.
- Sinha, N., Sahas, B.K., Singh, N., Singh, K., Kumar, M.K., Gupta, G.C., Budakoti and Kumar, B. 2009.** 'Solution Growth and Comparative Characterisation of L-HFB Single Crystals'. *Cryst. Res. Technol.* 44: 167-72.
- Mohd. Shakir, Singh, B.K., Kumar, B. and Bhagavannarayana, G. 2009.** 'Ferroelectricity in glycine picrate: An astonishing observation in a centrosymmetric crystal'. *Applied Physics Letters*, 95, 252902:1-3.
- 2010.** 'Organic Ferroelectrics: A Big Surprise', *NPG Asia Materials Research Highlight*, doi: 10.1038/asiamat.2010.48.
- Mythili, K.P., Kumar, B. and Gopalakrishnan, R. 2010.** 'Effect of ion irradiation on the m-Nitroaniline single crystals'. *Nucl. Instr. and Meth. in Phys. Res.*, B B 268 36-41.
- Rajesh, P., Ramasamy, P., Kumar, B. and Bhagavannarayana, G. 2010.** 'Effect of cobalt and DL-malic acid on the growth rate, crystalline perfection, optical, mechanical, dielectric, piezoelectric properties and SHG efficiency of ADP single crystals'. *Physica B* 405: 2401-06.
- Gupta, M.K., Sinha, N., Singh, B.K. and Kumar, B.** 'Synthesis of K-doped p-type ZnO nanorods along (100) for ferroelectric and dielectric applications'. *Materials Letters*, 64: 20101825-28.
- Chaudhary, G.K. and Ramakumar, R. 2010.** 'The effects of next to nearest neighbor hopping on Bose-Einstein condensation in cubic lattices', *Pramana-J. Phys.* 74: 11-18.
- Negi, D., Trivedi, T., Dhal, A., Kumar, S., Kumar, V., Roy, S., Raju, M.K., Appannababu, S., Mohanto, G., Kaur, J., Sinha, R.K., Kumar, R., Singh, R.P., Muralithar, S., Bhati, A.K., Pancholi, S.C. and Bhowmik, R.K. 2010.** 'High spin spectroscopy and shears mechanism in  $^{107}\text{In}$ '. *Phys. Rev. C* 81, P. 054322.
- Kalkal, S., Mandal, S., Madhavan, N., Prasad, E., Verma, S., Jhingan, A., Sandal, R., Nath, S., Gehlot, J., Behera, B.R., Saxena, M., Goyal, S., Siwal, D., Garg, R., Pramanik, U.D., Kumar, S., Varughese, T., Golda, K.S., Muralithar, S., Sinha, A.K., Singh, R. 2010.** 'Channel coupling effects on the fusion excitation functions for  $^{28}\text{Si}+^{90,94}\text{Zr}$  in sub- and near-barrier regions', *Phys. Rev. C* 81, 044610.
- Trivedi, T., Palit, R., Negi, D., Naik, Z., Yang, Y.-C., Sun, Y., Sheikh, J.A., Dhal, A., Raju, M.K., Appannababu, S., Kumar, S., Choudhury, D., Maurya, K., Mahanto, G., Kumar, R., Singh, R.P., Muralithar, S., Jain, A.K., Jain, H.C., Pancholi, S.C., Bhowmik, R.K. and Mehrotra, I. 2010.** 'Lifetime measurement of high spin states in  $^{75}\text{Kr}$ ', *Nuclear Physics, A* 834: 72.



- Palit, R., Deo, A.Y., Naik, Z., Sihotra, S., Kumar, S., Joshi, P.K., Mehta, D. and Jain H.C. 2010.** 'Structure of degenerate dipole bands in  $^{106}\text{In}$  and investigation of similar structure in neighbouring odd-odd isotopes', *Nuclear Physics, A* 834: 81.
- Sihotra, S., Naik, Z., Palit, R., Deo, A.Y., Kumar, S., Joshi, P.K., Mehta, D. and Singh, N. 2010.** 'Level structures in  $^{107}\text{In}$  nucleus and their macroscopic description'. *Eur. Phys. J A* 43: 45.
- Trivedi, T., Palit, R., Negi, D., Naik, Z., Yang, Y.-C., Sun, Y., Sheikh, J.A., Dhal, A., Raju, M.K., Appannababu, Kumar, S., Choudhury, D., Maurya, K., Mahanto, G., Kumar, R., Singh, R.P., Muralithar, S., Jain, A.K., Jain, H.C., Pancholi, S.C., Bhowmik, R.K. and Mehrotra, I. 2009.** 'Shape evolution of the highly deformed  $^{75}\text{Kr}$  nucleus examined with the Doppler-shift attenuation method', *Phys. Rev., C* 80: 047308.
- Chakrabarti, R., Mukhopadhyay, S., Krishichayan, A. Chakraborty, A., Ghosh, S., Ray, S.S., Ghugre, A.K., Sinha, L., Chaturvedi, A.Y., Deo, I., Mazumdar, P.K., Joshi, R., Palit, Z., Naik, S., Kumar, N., Madhavan, R.P., Singh, S., Muralithar, B.K., Yogi, U. and Garg, R. 2009.** 'Experimental study of nuclei in the vicinity of the 'island of inversion' through the fusion-evaporation reaction'. *Phys. Rev., C* 80: 014320.
- Dhal, R.K., Sinha, L., Chaturvedi, P., Agarwal, S., Kumar, A.K., Jain, R., Kumar, I.M., Govil, S., Mukhopadhyay, A., Chakraborty, Krishichayan, S. Ray, Ghugre, S.S., Sinha, A.K., Kumar, R., Singh, R.P., Muralithar, S., Bhowmik, R.K., Pancholi, S.C., Gupta, J.B. 2009.** 'High spin states in  $^{139}\text{Pm}$ ', *Phys. Rev., C* 80: 014320.
- Deo, A.Y., Palit, R., Naik, Z., Sihotra, S., Kumar, S., Joshi, P.K., Mazumdar, I., Chakrabarti, R., Kshetri, R., Mehta, D. and Jain, H.C. 2009.** 'Structure of dipole bands in  $^{106}\text{In}$ '. *Phys. Rev., C* 79: 067304.
- Rath, P.K., Santra, S., Singh, N.L., Tripathi, R., Parkar, V.V., Nayak, B.K., Mahata, K., Palit, R., Kumar, S., Mukherjee, S., Appannababu, S. and Choudhury, R.K. 2009.** 'Suppression of complete fusion in the  $^6\text{Li}+^{144}\text{Sm}$  reaction', *Phys. Rev., C* 79: 051601.
- Staesche, H., Murugavel, S. and Roling, B. 2009.** 'Non-linear conductivity and permittivity Spectra of ion conducting glasses', *Z. Phys. Chem.*, 223: 1229-38.
- Bekaert, E., Balaya, P., Murugavel, S., Maier, J. and Ménétrier, M. 2009.** ' $^6\text{Li}$  MAS-NMR investigation of electrochemical lithiation of  $\text{RuO}_2$ : evidence for interfacial storage mechanism', *Chemistry of Materials*, 21: 856-61.
- Kumar, P., Prasad, A. and Ghosh, R. 2009.** 'Strange bifurcation and phase-locked dynamics in mutually coupled diode laser systems'. *Journal of Physics B: Atomic, Molecular and Optical Physics*, 42: 145401.

- Suyal, V., Prasad, A. and Singh, H.P. 2009.** ‘Nonlinear Time Series Analysis of Sunspot Data’, *Solar Physics*, 160: 441.
- Karnatak, R., Ramaswamy, R. and Prasad, A. 2009.** ‘Synchronization regimes in conjugate coupled chaotic oscillators’, *CHAOS* 19: 033143.
- Agrawal, M., Prasad, A. and Ramaswamy, R. 2010.** ‘Quasiperiodic forcing of coupled nonlinear systems’, *Phys. Rev., E*. 81: 026202.
- Prasad, A., Dhamala, M., Adhikari, B.M. and Ramaswamy, R. 2010.** ‘Amplitude death in nonlinear oscillators with nonlinear coupling’, *Phys. Rev., E*. 81: 027201.
- Cruz, J.M., Escalona, J., Parmananda, P., Karnatak, R., Prasad, A. and Ramaswamy, R. 2010.** ‘The phase—flip transition in coupled electrochemical cells’. *Phys. Rev., E*. 81: 046213.
- Shrimali, M.D., Sharan, R., Prasad, A. and Ramaswamy, R. 2010.** ‘Delay—coupled discrete maps: Synchronization, bistability, and quasiperiodicity’. *Phys. Lett., A* 374: 2636.
- Rath, S., Sen, S., Nozaki, S., Tona, M., Ohtani, S. and Jain, K.P. 2009.** ‘Enhanced Raman scattering from a Ge monolayer of low-density nanocrystals’, *Advanced Science Letters*, 2: 377.
- Kanseri, B., Rath, S. and Kandpal, H.C. 2009.** ‘Direct determination of the generalized Stokes parameters from the usual Stokes parameters’. *Optics Letters*, 34: 719.
- Kanseri, B., Bisht, N.S., Rath, S. and Kandpal, H.C. 2009.** ‘A modified version of Young’s interferometer to study the Fresnel and Arago interference laws’, *European Journal of Physics*, 30: 835.
- Kaml, N., Tripathi, N.S, Rath, S. and Annapoorni, S.** ‘Structural, optical and morphological characterization of ZnO nanostructure fabricated by electrochemical deposition’, *J. of Nanoscience and Nanotechnology*, 9: 12009.
- Kanseri, B., Rath, S. and Kandpal, H.C. 2009.** ‘Determination of the amplitude and the phase of the electric cross-spectral density matrix by spectral measurements’, *Optics Communication*, 282: 3059.
- Tewari, S.P., Dhingra, G., Silotia, P. and Sood, J. 2009.** ‘Microdynamics of a monatomic liquid metal’, *Journal of Non-crystalline Solids*, 355: 2522-27.
- Malik, A., Prakash, J., Silotia, P. and Biradar, A.M. 2009.** ‘Enhanced memory effect in conducting polymer coated surfaces of ferroelectric liquid crystals’, *Applied Physics Express*, 2: 121401-(1-3).
- Kumar, A., Prakash, J., Goel, P., Khan, T., Dhawan, S.K., Silotia, P. and Biradar, A.M. 2009.** ‘Polymeric nanoparticles-induced vertical alignment in ferroelectric liquid crystals’, *EPL*, 88: 26003 (p1-6).

- Deb, S. and Singh, H.P. 2010.** 'Physical parameters of the Small Magellanic Cloud RR Lyrae stars and the distance scale'. *MNRAS*, 402: 691.
- 2009.** 'Light curve analysis of variable stars using Fourier decomposition and principal component analysis'. *A&A*, 507: 1729.
- Suyal, V., Prasad, A. and Singh, H.P. 2009.** 'Nonlinear Time Series Analysis of Sunspot Data', *Solar Physics*, 260: 441.
- Bora, A., Gupta, R., Singh, H.P. and Duorah, K. 2009.** 'Automated star-galaxy segregation using spectral and integrated band data for TAUDEX/ASTROSAT satellite data pipeline'. *New Astronomy*, 14: 649.
- Deb, S., Tiwari, S.K. and Singh, H.P., Seshadri, T.R. and Chaubey, U.S. 2009.** 'Photometry of the delta Scuti star HD 40372'. *BASI*, 37: 109.
- Chowdhuri, A., Singh, S.K., Sreenivas, K. and Gupta, V. 2010.** 'Contribution of adsorbed oxygen and interfacial space charge for enhanced response of SnO<sub>2</sub> sensors having CuO catalysts for H<sub>2</sub>S gas'. *Sensors Actuators B*, 145: 155-66.
- Saha, S., Mehan, N., Sreenivas K. and Gupta, V. 2009.** 'Temperature dependent optical properties of (002) oriented ZnO thin film using surface plasmon resonance', *Applied Physics Letter*, 95: 071106.
- Matharu Zimple, Jairaj Bhandodkar, Sumana G., Solanki P., Ekanayake E.M.I., Kaneto, K., Gupta, V. and Malhotra, B.D. 2009.** 'Low density Lipoprotein detection based on antibody immobilized self-assembled monolayer: Investigations of kinetic and thermodynamic properties', *J. Phys. Chem. B*, 113: 14405-12.
- Saha Shibu, Arya, S.K., Singh, S.P., Sreenivas, K., Malhotra, B.D. and Gupta, V. 2009.** 'Zinc oxide-Potassium ferricyanide composite thin film matrix for biosensing applications', *Analyt. Chim. Acta*, 65: 2212-16.
- Meena, P.L., Kumar, R., Prajapat, C., Sreenivas, K. and Gupta, V. 2009.** 'Dielectric studies of Co<sub>3-x</sub>Mn<sub>x</sub>O<sub>4</sub> (x = 0.1 to 1.0) cubic spinel Multiferroi', *J. Applied Physics*, 106: 024105.
- Chowdhuri, A., Haridas, D., Sreenivas, K. and Gupta, V. 2009.** 'Mechanism of trace level H<sub>2</sub>S gas sensing using Rf sputtered SnO<sub>2</sub> thin films with CuO catalytic overlayer', *Intl. J. Smart Sensing & Intelligent Syst.*, 2: 540-48 (ISSN 1178-5608).
- Shandilya, S., Tomar, M., Sreenivas, K. and Gupta, V. 2009.** 'Purely hopping conduction in c-axis oriented LiNbO<sub>3</sub> thin film', *J. Applied Physics*, 105: 094105.
- 2009.** 'Structural and interfacial defects in c-axis oriented LiNbO<sub>3</sub> thin films grown by pulsed laser deposition on Si using Al:ZnO conducting layer', *J. Phys. D*, 42: 095303.
- Haridas, D., Chowdhuri, A., Sreenivas, K. and Gupta, V. 2009.** 'Enhanced LPG response characteristics of SnO<sub>2</sub> thin film based sensors loaded with Pt clusters', *Intl. J. Smart Sensing & Intelligent Syst.*, 2: 503-14 (ISSN 1178-5608).

- Tanwar, A., Sreenivas, K. and Gupta, V. 2009.** 'Effect of orthorhombic distortion on dielectric and piezoelectric properties of  $\text{CaBi}_4\text{Ti}_4\text{O}_{15}$  ceramics', *J. Applied Physics*, 105: 084105.1-7.
- Matharu Zimple, Pandey, P., Pandey, M.K., Gupta, V. and Malhotra, B.D. 2009.** 'Functionalized Gold Nanoparticles Modified Langmuir-blodgett Film For Enzyme Sensor', *Electroanalysis*, 21: 1587-96.
- Matharu Zimple, Sumana, G., Pandey, M.K., Gupta, V. and Malhotra, B.D. 2009.** 'Low Density Lipoprotein Sensor Based on Surface Plasmon Resonance', *Thin Solid Films*, 518: 719-23.
- Joshi, P., Chakraborti, S., Chakrobarti, P., Haranath, D., Shanker, V., Ansari, Z.A., Singh, S.P. and Gupta, V. 2009.** 'Role of Surface Adsorbed Anionic Species in Antibacterial Activity of ZnO Quantum Dots against Escherichia coli', *J. Nanoscience & Nanotechnology*, 9: 6427-33.
- Chowdhuri, A., Tomar, M., Sreenivas, K. and Gupta, V. 2009.** 'Role of catalysts and their nanoscale dispersal on the response characteristics of SnO<sub>2</sub> thin film H<sub>2</sub>S gas sensor', *Philosophical Nature*, 1: 195-204.
- Bansal, M., Lal, C., Tanwar, L.S. and Gupta, V. 2009.** 'Investigation of water-assisted synthesis of high quality carbon nanotubes', *Materials Sc. & Engg. B*, 157: 93-5.
- Verma, M., Sreenivas, K. and Gupta, V. 2009.** 'Influence of La doping on structural and dielectric properties of  $\text{SrBi}_2\text{Nb}_2\text{O}_9$  ceramics', *J. Applied Physics*, 105: 024511-1.6
- Matharu, Z., Arya, S.K., Singh, S.P., Gupta, V. and Malhotra, B.D. 2009.** 'Langmuir-Blodgett film based on MEH-PPV for cholesterol biosensor', *Analytica Chimica Acta*, 634: 243-49.
- Shibu, S., Arya, S.K., Singh, S.P., Sreenivas, K., Malhotra, B.D. and Gupta, V. 2009.** 'Nanoporous Cerium Oxide Thin Film for Glucose Biosensor', *Biosensors and Bioelectronics*, 24: 2040-45.
- Yadav, H.K., Sreenivas, K., Gupta, V. and Katiyar, R.S. 2009.** 'Structural studies and Raman spectroscopy of forbidden zone boundary phonons in Ni doped ZnO ceramics', *J. Raman Spectroscopy*, 40: 381-86.
- Kaushik, A., Khan, R., Gupta, V., Malhotra, B.D., Ahmad, S. and Singh, S.P. 2009.** 'Hybrid cross-linked polyaniline-WO<sub>3</sub> nanocomposite thin film for NO<sub>x</sub> gas sensing', *J. Nanosc. & Nanotech.*, 9: 1792-96.
- Arora, A., George, P.J., Dwivedi, V.K. and Gupta, V. 2009.** 'Post-deposition treatment behaviour of Zinc Oxide thin films in hydrogen peroxide solution', *Mater. Sc. Tech.*, 25: 591-94.

- Rai, C., Sreenivas, K. and Dharmaprakash, S.M. 2009.** 'Growth of 4-(dimethylamino) benzaldehyde doped triglycine sulphate single crystals and its characterization' *Physica B: Condensed Matter*, 404 (21): 3886-89.
- Choudhary, A., Coondoo, I., Prakash, J., Sreenivas, K. and Biradar, A.M. 2009.** 'Electrically tunable spatially variable switching in ferroelectric liquid crystal/water system'. *Applied Physics Letters*, 94 (17): 174101.
- Mahajan, S., Thakur, O.P., Bhattacharya, D.K. and Sreenivas, K. 2009.** 'Ferroelectric relaxor behaviour and impedance spectroscopy of Bi<sub>2</sub>O<sub>3</sub>-doped barium zirconium titanate ceramics'. *Journal of Physics D: Applied Physics*, 42(6): 065413.
- Mahajan, S., Thakur, O.P., Bhattacharya, D.K. and Sreenivas, K. 2009.** 'Study of structural and electrical properties of conventional furnace and microwave-sintered BaZr<sub>0.10</sub>Ti<sub>0.90</sub>O<sub>3</sub> ceramics'. *Journal of the American Ceramic Society*, 92(2): 416-23.
- Srivastava, M.P. 2009.** 'Plasma Route to Nanoscience and Nanotechnology Frontiers'. *Journal of Plasma and Fusion Research Series*, 8: 512-16.
- Singh, W.P., Srivastava, M.P. and Roy, S. 2009.** 'Nanoparticles and Nanostructured Cobalt deposition using Dense Plasma Focus Device'. *Journal of Plasma and Fusion Research Series*, 8: 526-29.
- Malhotra, Y., Roy, S., Srivastava, M.P., Kant, C.R. and Ostrikov, K. 2009.** 'Extremely-non equilibrium synthesis of luminescent zinc oxide nanoparticles through energetic ion condensation in a dense plasma focus device', *Journal of Physics D: Applied Physics*, 42: 155202-09.
- Naorem, B.D., Roy, S. and Srivastava, M.P. 2009.** 'Deposition of Germanium Nanostructures using Dense Plasma Focus Device and their characterization', *Advances in Applied Plasma Science*, 7: 247-50.
- Malhotra, Y. and Srivastava, M.P. 2009.** 'Fabrication of Bilayer Magnetic/Graphite Nanostructure using Dense Argon Plasma on Si<111> Substrate', *Advances in Applied Plasma Science*, 7: 255-8.
- Malhotra, Y., Roy, S., Srivastava, M.P. 2010.** 'Deposition and surface characterisation of nanoparticles of Zinc Oxide in nitrogen atmosphere', *Journal of Physics C. S.*, 208.
- Singh, W.P., Roy, S. and Srivastava, M.P. 2010.** 'Formation of Iron nanoparticles on quartz substrate using dense plasma focus device', *Journal of Physics C.S.*, 208.
- Naorem, B.D., Roy, S. and Srivastava, M.P. 2010.** 'Deposition of Aluminium nanoparticles Using dense Plasma Focus device', *Journal of Physics: C.S.*, 208.

**Srivastava, M.P. 2010.** 'Plasma Processing of Nanomaterials under Extremely Non-Equilibrium Plasma Conditions with high Temperature and Density'. *Plasma Application and Hybrid Functionally Materials*, 19: 3-6.

**Dhawan, T., Vedeshwar, A.G., Singh, V.N., Mehta, B.R. and Tandon, R.P. 2010.** 'Quantum confinement in Amorphous InSb, Manuscript', *Scripta Materialia*, 63: 97-100.

**Dhawan, T., Tyagi, R., Bag, R.K., Singh, M., Mohan, P., Haldar, T., Murlidharan, R. and Tandon, R.P. 2010.** 'Growth of InAs Quantum Dots on Germanium Substrate Using Metal Organic Chemical Vapor Deposition Technique', *Nanoscale Res. Lett.*, 5(1): 31-37.

**Kashyap, R., Dhawan, T., Arora, M.K., Thakur, O.P. and Tandon, R.P. 2010.** 'Electrical conduction behaviour of  $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$  ceramics with different sintering times', *Integrated Ferroelectrics*, 24(12): 1267-73.

**Ranjan, K. 2010.** 'Double Parton Interactions in  $\gamma+3$  Jet Events in pp Collisions at  $\sqrt{s} = 1.96$  TeV'. Published 3/31/10: *Phys. Rev. D*, 81, 052012 2010, arXiv.org: 0912.5104.

**2010.** 'Search for the Standard Model Higgs Boson in the  $ZH \rightarrow \nu\bar{\nu}bb$  Channel in 5.2 fb<sup>-1</sup> of pp Collisions at  $\sqrt{s} = 1.96$  TeV'. Published 2/18/10: *Phys. Rev. Lett.*, 104, 071801, arXiv.org:0912.5285.

**2010.** 'Search for Higgs Boson Production in Dilepton and Missing Energy Final States with 5.4 fb<sup>-1</sup> of pp Collisions at  $\sqrt{s} = 1.96$  TeV'. Published 2/12/10: *Phys. Rev. Lett.*, 104, 061804, arXiv.org:1001.4481.

**2010.** 'Combination of Tevatron Searches for the Standard Model Higgs Boson in the  $W+W-$  Decay Mode Co-authors: DØ and CDF collaborations'. Published 2/12/10: *Phys. Rev. Lett.*, 104, 061802, arXiv.org:1001.4162 plots 4.8–5.4 fb<sup>-1</sup>.

**2010.** 'Search for a Resonance Decaying into WZ Boson Pairs in pp Collisions', *Phys. Rev. Lett.*, 104, 061801 2.

## ZOOLOGY

### Major Activities

The Department of Zoology was established in the year 1947 as a premier centre for teaching and research in animal sciences. The Department was the first one in the country to be recognized as the Centre for Advanced Studies (CAS) in 1963 and continues to enjoy this status by special assistance from the UGC-SAP programme. UGC extended its CAS status in 2005 by providing special assistance for another five years. The department has a well equipped central instrument facility from grants under the DST-FIST programme, which has recently been upgraded and a number of new instruments have been added. The current areas of research and teaching in the Department include Animal Physiology, Animal Behaviour, Aquaculture, Cell Signalling, Chromatin and Cancer Biology, Computational

Biology, Endocrinology, Entomology, Genomics and Metagenomics, Systematics, Evolution and Biodiversity, Microbiology, Molecular Cell Biology, Radiation Biology, Reproductive Physiology and Toxicology.

A new, well equipped central facility has been established. Well equipped laboratories for conducting practicals for postgraduate students have been developed. Lecture theatres have been upgraded and equipped with LCD projectors. The library has been modernized with 30 computer terminals and complete access to more than 2000 journals.

### **Ph.D./M.Phil. Degrees awarded**

Ph.D.	-	14
M.Phil.	-	8

### **Research Schemes**

**Prof. K. Muralidhar:** Hormone research laboratory under our group has achieved in the past two decades complete characterization of buffalo pituitary hormones. Our laboratory has developed procedures for indigenous production of buffalo hormones like LH, FSH, TSH, GH, and PRL, sensitive homologous immunoassays and heterologous bioassays for these hormones besides characterizing their physico-chemical and immunochemical features. Our laboratory is among the first to report that LH and PRL were sulphated and that this contributes to microheterogeneity. Our laboratory discovered the presence of Tyrosine-O-sulphate in sheep and buffalo PRL. Using biophysical techniques, this group has studied the protein unfolding and folding of buffalo GH. Naturally occurring size isoforms of buffalo Prolactin, Cathepsin derived peptides from buffalo prolactin and a synthetic peptide based on the internal sequence of buffalo prolactin were discovered to be powerful inhibitors of angiogenesis stimulated by VEGF or Bradykinin. Our work led to the development of the most sensitive RIA for HCG, a pregnancy hormone. We also demonstrated the immune contraceptive vaccine potential of DS5-hCG beta subunit. In the next phase, our group has initiated research to produce recombinant hormones and investigate their biosynthesis.

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Genotyping and isolation of sphingomonads from HCH contaminated agricultural soils and their application in bioremediation.	Prof. Rup Lal	NBAIM ICAR
Enabling technologies for the enzymatic bioremediation of cyclic organochlorine residues.	Prof. Rup Lal	DBT (IACB)

Screening for bio-molecules from microbial collected from different diversity ecological niches.	Prof. Rup Lal	DBT
Construction of bacterial biosensors for detection of aromatic hydrocarbons.	Prof. Rup Lal	DBT
Molecular analysis of agrocin producing <i>Agrobacterium radiobactor</i> for biological control of crown gall in stone fruits.	Prof. Rup Lal	ICAR
Soil diversity biofertilizers (XIth Plan).	Prof. Rup Lal	ICAR
Understanding individual & community genomes of bacteria using new generation sequencing technologies.	Prof. Rup Lal	University of Delhi under DU/ DST – PURSE Grant.
Orientation of <i>Cotesia plutellae</i> to different food sources and their effectson longevity, parasitisation and flight activity of adult parasitoid.	Prof. A. K. Singh	DST
Development of <i>in vivo</i> system for studying inflammation: mechanism of oscillatory response of the key regulator, the Nuclear factor kappa B.	Prof. M. M. Chaturvedi	DST PURSE
A study on bidirectional communication between Leydig cells and immune cells in the testis of wall lizard, <i>Hemidactylus flaviviridis</i> .	Prof. Umesh Rai	DST
Characterization of digestive proteases of Indian major carps and their capacity to digest plant protein.	Prof. Rina Chakarbarti	DST
Evaluation of immunostimulatory and disease resistance properties of an Indian medicinal plant <i>Achyranthes aspera</i> in carps.	Prof. Rina Chakarbarti	DBT
Yolk proteolysis and Oocyte hydration in the Indian freshwater fish.	Prof. Neeta Sehgal	DST



Development of indicators for anthropogenic, environmental and chemical stress on urban ecosystem: A study of aquatic and terrestrial ecosystems of Yamuna River catchments from National Capital Region.	Prof. Neeta Sehgal	PURSE scheme of University of Delhi.
Avian circadian seasonal systems: From behaviour to molecules.	Prof. Vinod Kumar	IRHPA DST
Immunohistochemical study of seasonal system in birds.	Prof. Vinod Kumar	CSIR
Evaluation of various bio-characteristics of radio-sterilized lepidopteran pest, <i>Spodoptera litura</i> and its progeny to establish the quality traits for a critical appraisal of 'F <sub>1</sub> sterility technique' for pest suppression.	Prof. R.K. Seth	IAEA
Validation of F1 Sterility Technique (a modified SIT- i.e., Sterile Insect Technique) for the management of <i>Spodoptera litura</i> (Fabr.) in cotton ecosystem [Under NISPM (Bt Cotton) -TMC-MM-II].	Prof. R.K. Seth	Ministry of Agriculture
Development of generic irradiation doses for Phytosanitary treatment of MealyBug Spp. infesting agricultural commodities.	Prof. R.K. Seth	Intern. Atomic Energy Agency (IAEA), Vienna
Microbial degradation of Endosulfan.	Dr. D. K. Singh	DBT
Differential protein profiling of plasma from patients with tissue specific Cancer, Medical Biotechnology human genome and genetics.	Dr. Rita Singh	DBT
Cross-Talk between Insulin receptor and Gonadotropins in Rat Granulosa Cells.	Dr. Rita Singh	DBT Animal Biotechnology.
Recombinant Pituitary prolactin of Water Buffaloes.	Dr. Rita Singh	( <i>Bubalus bubalus</i> ) UGC, Animal Sciences.

Polycystic ovary syndrome: Molecular determinants of abnormal follicular growth reflected in granulosa cell gene expression profiles.	Dr. Rita Singh	Indo-US CRHR Programme DBT.
Heme oxygenase-1 in rodent embryogenesis.	Dr. Sharmila Basu-Modak	DST
Heme oxygenases in mouse development.	Dr. Sharmila Basu-Modak	R&D
Regulation of c-Jun N-Terminal Kinase signaling in breast cancer progression.	Dr. Anju Shrivastava	DST
Differential regulation of JNK signaling in macrophages under normal and during stress condition (Infection/or Interaction with tumor cells).	Dr. Anju Shrivastav	R&D
Effect of melatonin on macrophage functions in normal versus tumor environment.	Dr. Anju Shrivastav	R&D
Cloning expression and characterization of the selected Lipase genes (Lip D & Lip Q) of Mycobacterium tuberculosis H37 Rv and its possible role in virulence.	Dr. Anju Shrivastav	
Evaluation of potential applications of inorganic nanoparticles in Nanomedicine.	Dr. Anju Shrivastav	DU/DST-Purse Grant
Cost of selection response to simultaneous selection on two divergent life-history traits in <i>Drosophila melanogaster</i> .	Dr. Mallikarjun Shakarad	CSIR
Division of labour in termites: How is it achieved?	Dr. Mallikarjun Shakarad	DST
A model lower termite to understand division of labour amongst workers	(Co. PI with Crossland, M.W J., & Traniello, J.F.A.).	Research Grant Council of Hong Kong
Studies on the Ecology and Taxonomy of white fly <i>Bemisia tabaci</i> in India, its symbiosis with various obligate and facultative bacterial symbionts.	Dr. Rajgopal Raman	World Bank-NAIP (ICAR).

**Dr. Namita Agarwal:** The research in 'Fly lab' at DU mainly focuses on understanding the mechanism and treatment of neurodegenerative diseases, mainly Huntington's disease (HD), using transgenic *Drosophila* as a model system. *Drosophila melanogaster*, which has recently been called 'the little person with the wings' because comparative genome analysis reveals that at least 50% of fly genes have similar genes in human. In addition to the contribution of fly model in several diseases like cancer etc., the fly is also an excellent choice for modelling neurodegenerative disease because it contains a fully functional nervous system with an architecture that separates specialized functions such as vision, olfaction, learning and memory in a manner not unlike that of mammalian nervous systems.

The Huntington's disease (HD) protein, Huntingtin (Htt), is subject to various post-translational modifications, including ubiquitination, which normally targets proteins for degradation, and sumoylation. Sumoylation is a post-translational modification system that is biochemically similar to, but functionally distinct from, ubiquitination. They have found that a pathogenic fragment of Huntingtin (Httex1p) can be modified either by SUMO-1 or by ubiquitin on identical lysines. In a *Drosophila* model of Huntington disease (HD), sumoylation exacerbates while ubiquitination relieves neurodegeneration. Further, mutations that prevent both sumoylation and ubiquitination dramatically reduce pathology, indicating that the contribution of sumoylation extends beyond simply preventing ubiquitination (Steffan, Agrawal et al., 2004).

They are trying to address the following key questions on the role of Sumoylation in HD pathogenesis: (i) Determine the relative contribution of the 3 lysines of Htt that are capable of being SUMO modified to pathogenesis by testing the effect of different SUMO blocked transgene combinations, (ii) Effect of modification of individual lysine or combination of lysines on accumulation/clearance and sub cellular distribution of Htt protein, (iii) Evaluate the effect of relevant lysine after getting results from Aim1 on other post-translational modification like phosphorylation.

**Dr. Shibnath Mazumdar:** In his laboratory, they are trying to understand the pathogenicity of *A. hydrophila* using both fish and mouse models. They have been able to identify the role of virulence plasmid in the pathogenicity and suggested mechanisms by which the bacterium induces host cell apoptosis. They are also working on the mechanisms of arsenic toxicity. His group has reported how arsenic induces apoptosis and immunosuppression and is currently engaged in studying the signal transduction pathways induced by arsenic with the aim of using this information to induce apoptosis of cancer cell, especially of the chemo-resistant variety.

**Dr. Sanjay Katiyar:** Cancer is a consequence of a cascade of genetic events gone haywire due to external/internal stimuli that had potentially transformed the normal cells cancerous, finally invoking their uncontrolled proliferation. Over the last one decade, substantial progress was made in cancer biology resulting in better management of some, cure for others and insight into their biology. Cancer is a multi-step process, therefore the current approaches are directed towards its control at the initial stages as well as suppressing its growth in the

advanced stages. A spectrum of genetic changes that occur during oncogenic transformation of normal cells to cancerous cells require intensive efforts to search the events that had finally transformed normal cells into cancer cells. Understanding these changes is therefore pivotal in our fight against various cancers, and for providing novel target to pharmacologists for new drugs design.

Most of the advanced research and drug trials were conducted in developed countries but remain economically viable and scientifically competent they feel that there is an urgent need to conduct high quality, truly translation research on various cancers in India in order for us to remain scientifically competent with others.

They (or laboratory) therefore plan to engage in translation research that covers the following three essential aspects of cancers development and control. These are: (i) Cancer epidemiology and etiological agents that result in various cancers. (ii) Signal transduction and study of carcinogenic events that that lead to development of final cancer phenotype and (iii) Cancer prevention and treatment by discovery of novel drug targets and gene targets for gene therapy.

### **New Additions**

Prof. Vinod Kumar  
Dr. Shibnath Mazumdar  
Dr. Sanjay Katiyar

### **Seminars/Conferences attended**

**Prof. Rup Lal:** 'From developing cloning vectors to engineering rifamycin biosynthetic gene cluster in *Amycolatopsis mediterranei*: An incomplete story' Presented at Oregon State University, Corvallis, USA, 2 June 2009.

'Microbial degradation of Hexachlorohexane (HCH) and prospects for bioremediation', Presented poster in the 3rd Congress of European Microbiologists - FEMS 2009 Conference at Gothenburg, Sweden, 28 June–2 July 2009.

'Genomic analysis for soil contaminants', Presented at Technical meeting of AINP on Soil Biodiversity-Biofertilizers, CRIDA, Hyderabad, 25 July 2009.

**Watson, A., Forter, M., Lal, R., Jopkova, M., Joao, T., Li, Y., Roland, W. and John, V.** 'Global mapping of former HCH production sites and their waste dumps', Presented at X International HCH and Pesticides Forum, Brno, Czech Republic, 7 September 2009.

**Prof. Rup Lal:** 'Microbial Degradation of Hexachlorocyclohexane (HCH) & Prospects for Bioremediation', Presented at X International HCH and Pesticides Forum, Brno, Czech Republic, 9 September 2009.

'The problem of Hexachlorocyclohexane (HCH) contamination and its possible solutions for the developing world', Presented at IV Indo-Japan International Symposium on 'Nanotechnology and Healthcare in the Developing World' at Biyani Girls College, Jaipur, 21 September 2009.

'Mining *lin* genes from Hexachlorocyclohexane (HCH) dumpsite & developing enzymatic bioremediation technologies', Presented during the winter school on 'Bioprospecting for microorganisms with agriculturally important traits using polyphasic approaches' at the Indian Agricultural Research Institute, New Delhi, 27 November 2009.

'From developing cloning vectors to engineering rifamycin biosynthetic gene cluster in *Amycolatopsis mediterranei*: An incomplete story'. Presented at International Seminar on 'Current trends in pharmaceutical research: focus on orphan diseases' organised by NIPER Hajipur, Patna, and Department of Chemistry, Delhi University, 10 January 2010.

'Development of Bioremediation Technology for Decontamination of Hexachlorocyclohexane (HCH)'. Presented a keynote lecture during the Symposium on 'Animal Biodiversity: Physiological aspects of environmental strategies' organized by the Department of Zoology, M.M.H. College, Ghaziabad, UP, 19 February 2010.

'Microbial Degradation of Hexachlorocyclohexane (HCH) and Prospects for Bioremediation' and 'Developing Enzymatic Bioremediation Technology for the decontamination of organochlorine pesticide – Hexachlorocyclohexane (HCH)'. Presented as a chief guest at a Seminar on 'Recent Trends in Bioremediation' organized by the Department of Biochemistry, Gulbarga University, Gulbarga, Karnataka, 5-6 March 2010.

'Bioremediating Hexachlorocyclohexane (HCH): Possible Solutions and Challenges Ahead'. Presented at Seminar on 'Current Scenario of Microbial Technology' organized by the Department of Microbiology, Guru Nanak Dev University, Amritsar, Punjab, 18 March 2010.

'Use of microbes for developing a bioremediation technology for the decontamination of Hexachlorocyclohexane (HCH)'. Presented at Seminar on 'Microbes, metabolites and their applications' organized by the Department of Microbiology, Punjab University, Chandigarh, 27 March 2010.

**Prof. Umesh Rai:** 2009. 'Humoral and cellular control of testicular functions in reptiles'. International Conference on 'Novel Updates in Reproductive biology and Comparative Endocrinology' and The XXVII Annual Meeting of the Society for Reproductive Biology and Comparative Endocrinology-XXVII, University of Hyderabad, p. 19.

**Prof. M.M. Chaturvedi:** Inaugural lecture entitled 'Phytochemicals and Changing Concepts in Cancer Therapeutics' at IV National Conference on 'Recent Trends in Chemistry' at JA College of Women, Periakulam, Tamil Nadu, 18-19 February 2010.

Invited lecture entitled 'Design of Living Systems' at II Convention of Indian Association of Teachers in Biological Sciences, Homi Bhabha Centre for Science Education (TIFR), Mumbai, 2-3 May 2009.

## Publications

**Rai, U. and Roy, B. 2009.** 'Immunosuppressive role of melatonin in spotted murrel, *Channa punctatus*'. Symposium on Functional Biodiversity and Ecophysiology of Animals, Department of Zoology, BHU, Varanasi, p. 87.

**2009.** 'Dual mode of cortisol action in regulation of phagocytosis in freshwater teleost *Channa punctatus*'. Functional Biology: Comparative aspects. Department of Zoology, University of Lucknow, p. 30.

**Kumar, S. and Rai, U. 2009.** 'Immunomodulatory role of dynorphin and its downstream signalling mechanism in regulation of phagocytosis in the wall lizard'. National Symposium on 'Comparative Endocrinology and Reproductive Physiology: Current Advances' organized by The Institute of Science, Mumbai, p. 43.

**Gautam, M., Bhattacharya, I., Shankar, P.B., Rai, U. and Majumdar, S.S. 2009.** 'A comparative study to evaluate hormone responsiveness of immature, prepubertal and mature rat Sertoli cells'. National Symposium on 'Comparative Endocrinology and Reproductive Physiology: Current Advances' organized by The Institute of Science, Mumbai, p. 51.

**Singh, R. and Rai, U. 2009.** 'Leucine-enkephalin modulates the innate immune response of teleost *Channa punctatus*'. National Symposium on 'Comparative Endocrinology and Reproductive Physiology: Current Advances' organized by The Institute of Science, Mumbai, p. 130.

**Rai, U. 2010.** 'Cross talk between Leydig cells and testicular macrophages in reptiles'. 6th Intercongress Symposium of the Asia and Oceania Society for Comparative Endocrinology, Massey University, Palmerston North, New Zealand, p. 51.

**Kumar, S. and Rai, U. 2010.** 'Delta opioid receptor mediated met enkephalin effect on splenic macrophage phagocytic activity in wall lizards'. 6th Intercongress Symposium of the Asia and Oceania Society for Comparative Endocrinology, Massey University, Palmerston North, New Zealand, p. 52.

**Chakrabarti, R. and Labh, S.N. 2009.** 'Effects of vitamin C L-ascorbate 2-triphosphate calcium on the growth, biochemical composition, and tissue ultrastructure of hybrid carp'. In: *Larvi'09 Fish & Shellfish Larviculture Symposium* (eds, Hendry, C.I., Stappen, G.V., Wille, M. and Sorgeloos, P.). European Aquaculture Society, Special Publication No. 38, Oostende, Belgium, pp. 41-44.

**Lukram, I.M., Hamre, K., Ronnestad, I., Chakrabarti, R., Nordgreen, A., Mangor-Jensen, A. and Saele, O. 2009.** 'Uptake and metabolism of predigested lipid in the Atlantic cod, *Gadus morhua*'. *Larvi'09 – Fish & Shellfish Larviculture Symposium* (eds, Hendry, C.I., Stappen, G.V., Wille, M. and Sorgeloos, P.). European Aquaculture Society, Special Publication No. 38, Oostende, Belgium. pp. 238-41.

- Singh, R. 2010.** Invited Speaker, International symposium on 'Endocrinology and Reproduction: Molecular Mechanisms to Molecular Medicine', SRBC 2010, JNU, New Delhi, 4-6 February 2010.
- Agarwal, S., Roy, S., Ray, A., Mazumder, S. and Bhattacharaya, S. 2009.** 'Arsenic trioxide and lead acetate induce apoptosis in adult rat hepatic stem cells'. *Cell Biol. Toxicol* (Springer), DOI 10.1007/s10565-008-9094-6.
- Aggarwal, A., Misro, M.M., Maheshwari, A., Sehgal, N. and Nanadan, D. 2009.** 'Adverse effects associated with persistent stimulation of Leydig cells with hCG in vitro'. *Molecular Reproduction and Development*, 76(11): 1076-83.
- Agrawal, V., Jaiswal, M.K., Chaturvedi, M.M., Tiwari, D.C. and Jaiswal, Y.K. 2009.** 'Lipopolysaccharide alters the vaginal electrical resistance in cycling and pregnant mice'. *Am J Reprod Immunol*. Feb, 61(2): 158-66.
- Archana, Singh, A.K., Paul, A.V.N. and Jain, A. 2009.** 'Synomonal effect of nine varieties of rice on *Trichogramma japonicum* Ashmead and *Trichogramma chilonis* (Ishii) (Hymenoptera: Trichogramma)'. *Acta Entomologica Sinica*, 52(6): 656-66.
- Arora, N., Hoque, M.E., Rajagopal, R., Sachdev, B. and Bhatnagar, R.K. 2009.** 'Expression, purification and characterisation of pro-phenol oxidase activating serine protease from *Spodoptera litura*'. *Arch Insect Biochem Physiol.*, 72: 61-7.
- Awasthi, S.K., Mishra, N., Kumar, B., Sharma, M., Bhattacharya, A., Mishra, L.C. and Bhasin, V.K. 2009.** 'Potent antimalarial activity of newly synthesized substituted chalcone analogs in vitro'. *Medicinal Chemistry Research*, 18: 407-20.
- Bala, K., Sharma, P. and Lal, R. 2010.** '*Sphingobium quisquiliarum* sp. nov., P25<sup>T</sup> a hexachlorocyclohexane (HCH) degrading bacterium isolated from HCH contaminated soil'. *Int. J. Syst. Evol. Microbiol.*, 60: 429-33.
- Bhattacharya, A., Mishra, L.C., Sharma, M., Awasthi, S.K. and Bhasin, V.K. 2009.** 'Antimalarial pharmacodynamics of chalcone derivatives in combination with artemisinin against *Plasmodium falciparum* in vitro'. *European Journal of Medicinal Chemistry*, 44: 3388-93.
- Budki, P., Rani, S. and Kumar, V. 2009.** 'Food deprivation during photosensitive and photorefractory life history stages affects reproductive cycle in the migratory redheaded bunting (*Emberiza bruniceps*)'. *Journal of Experimental Biology*, 212: 225-30. IF 2.8
- Chauhan, P., Sodhi, A. and Shrivastava, A. 2009.** 'Cisplatin primes murine peritoneal macrophages for enhanced expression of nitric oxide, proinflammatory cytokines, TLRs, transcription factors and activation of MAP kinases upon co-incubation with L929 cells'. *Immunobiology*, 214: 197-209.
- Dadhwani, M., Jit, S., Kumari, H. and Lal, R. 2009.** '*Sphingobium chinhatense* sp. nov., a hexachlorocyclohexane (HCH) degrading bacterium isolated from an HCH dump site'. *Int. J. Syst. Evol. Microbiol.*, 59: 3140-44.

- Dadhwal, M., Singh, A., Prakash, O., Gupta, S.K., Kumari, K., Sharma, P., Jit, S., Verma, M., Holliger, C. and Lal, R. 2009.** 'Proposal of biostimulation for hexachlorocyclohexane (HCH)-decontamination and characterization of culturable bacterial community from high-dose point HCH-contaminated soils'. *J. App. Microbiol.*, 106: 381-92.
- Datta, S., Mazumder, S., Ghosh, D., Dey, S. and Bhattacharya, S. 2009.** 'Low concentration of arsenic could induce caspase-3 mediated head kidney macrophage apoptosis with JNK-p38 activation in *Clarias batrachus* Toxicol'. *Appl. Pharmacol. (Elsevier)*, 241: 329-41.
- Dutta, S., Ghosh, D., Saha, D.R., Bhattacharaya, S. and Mazumder, S. 2009.** 'Chronic exposure to low concentration of arsenic is immunotoxic to fish: Role of head kidney macrophages as biomarkers of arsenic toxicity to *Clarias batrachus*'. *Aquat. Toxicol. (Elsevier)*, 92: 86-94.
- Ghosh Modak, S., Satish, K.M., Mohan, J., Dey, S., Raghavendra, N., Shakarad, M. and Joshi, A. 2009.** 'A possible tradeoff between developmental rate and pathogen resistance in *Drosophila melanogaster*'. *Journal of Genetics*, 88: 253-6.
- Goswami, S. and Singh, D.K. 2009.** 'Biodegradation of  $\alpha$  and  $\beta$  Endosulfan in broth medium and soil microcosm by *Bordetella sp.*B9'. *Biodegradation*, 20: 199-207.
- Goswami, S., Vig, K. and Singh, D.K. 2009.** 'Biodegradation of  $\alpha$  and  $\beta$  Endosulfan by *Aspergillus syndoni*'. *Chemosphere*, 75: 883-88.
- Singh, J., Rani, S. and Kumar, V. 2010.** 'Presence of a conspecific renders survival advantages in the migratory redheaded bunting: test through the effects of restricted feeding on activity pattern and survivorship'. *Chronobiology International*, 27: 111-27. IF 3.5.
- Jaiswal, Y.K., Jaiswal, M.K., Agrawal, V. and Chaturvedi, M.M. 2009.** 'Bacterial endotoxin (LPS)-induced DNA damage in preimplanting embryonic and uterine cells inhibits implantation'. *Fertil Steril. May*, 91(5 Suppl): 2095-103.
- Kaushik, M.C., Misro, M.M., Sehgal, N. and Nanadan, D. 2010.** 'Effect of chronic estrogen treatment on AR expression in reproductive organs and pituitary of male adult rats'. *Andrologia*, 42: 3.
- Kumar, P., Singh, B., Lal, R., Rembhotkar, G.W. and Singh, A.B. 2009.** 'Association between reduced levels of total serum IgE and FcepsilonRI expression in non-releaser basophils'. *Immunobiol.*, 214: 377-83.
- Kumari, H., Gupta, S.K., Jindal, S., Katoch, P. and Lal, R. 2009.** 'Description of *Sphingobium lactosutens* sp. nov., isolated from a hexachlorocyclohexane dump site and *Sphingobium abikonense* sp. nov. isolated from oil contaminated soil'. *Int. J. Syst. Evol. Microbiol.*, 59: 2291-96.
- Kumarswamy, R., Seth, R.K., Dwarakanath, B.S., Chandna, S. 2009.** 'Mitochondrial regulation of insect cell apoptosis: Evidence for permeability transition pore independent Cytochrome-c release in the Lepidopteran Sf9 Cells'. *The International Journal of Biochemistry & Cell Biology*, 41: 1430-40 (IF: 4.009).



- Lal, R., Pandey, G., Sharma, P., Kumari, K., Malhotra, S., Pandey, R., Raina, V., Kohler, H.P.E., Holliger, C., Jackson, C. and Oakeshott, J.G. 2010.** 'The biochemistry of microbial degradation of hexachlorocyclohexane (HCH) and prospects for bioremediation'. *Microbiol. Mol. Biol. Rev.*, 74: 58-80.
- Leslie Michels Thompson, Charity T. Aiken, Linda S. Kaltenbach, and Agrawal, N. et. al. 2009.** 'IKK phosphorylates Huntingtin and targets it for degradation by the proteasome and lysosome'. *J. of Cell Biology* online 21 December 2009.
- Shrivastava, M. and Singh, A.K. 2009.** 'Kairomonal effect of certain organic acids on the egg parasitoid, Trichogramma chilonios Ishii. Hymenoptera, Trichogrammatidae'. *J. Biol. Control*, 23(4): 361-64.
- Majumdar, T., Chattopadhyay, P., Saha, D.R., Sau, S., Mazumder, S. 2009.** 'Virulence plasmid of *Aeromonas hydrophila* induces macrophage apoptosis and helps in developing systemic infection in mice'. *Microbial Pathogenesis* (Elsevier).
- Mishra, L.C., Bhattacharya, A., Sharma, M. and Bhasin, V.K. 2010.** 'HIV protease inhibitors, indinavir or nelfinavir, augment antimalarial action of artemisinin in vitro'. *American Journal of Tropical Medicine and Hygiene*, 82(1): 148-50.
- Mishra, L.C., Bhattacharya, A. and Bhasin, V.K. 2009.** 'Phytochemical licochalcone A enhances antimalarial activity of artemisinin in vitro'. *Acta Tropica*, 109(3): 194-98.
- Nigam, A., Jit, S. and Lal, R. 2010.** '*Sphingomonas histidinilytica* sp. nov. isolated from hexachlorocyclohexane (HCH)-dumpsite India'. *Int. J. Syst. Evol. Microbiol.*, 60: 1038-43.
- Rajagopal, R., Arora, N., Sivakumar, S., Rao, N.G.V., Nimbalkar, S.A. and Bhatnagar, R.K. 2009.** 'Resistance of *Helicoverpa armigera* to Cry1Ac toxin from *Bacillus thuringiensis* is due to improper processing of the protoxin'. *Biochemical J.*, 419: 309-16.
- Rani, A., Sharma, A., Rajagopal, R., Adak, T. and Bhatnagar, R.K. 2009.** 'Bacterial diversity analysis of larvae and adult midgut micro-flora using culture-dependent and culture-independent methods in lab-reared and field-collected *Anopheles stephensi*-an Asian malarial vector'. *BMC Microbiology*, 9: 96. doi:10.1186/1471-2180-9-96.
- Rathore, R.M. and Chakrabarti, R. 2010.** 'Ontogenic changes in the digestive enzyme pattern and characterization of proteases in Indian major carp *Cirrhinus mrigala*'. *Aquaculture Nutrition* Blackwell Science Ltd. doi: 10.1111/j.1365-2095.2009.00694: 1-13.
- Reynolds, S.E., Brown, A.M., Seth, R.K., Riddiford, L.M. and Hiruma, K. 2009.** 'Induction of supernumerary larval moulting in the tobacco hornworm *Manduca sexta*: interaction of bisacylhydrazine ecdysteroid agonists with endogenous juvenile hormone'. *Physiological Entomology*, 34: 30-38) (IF: 1.410).
- Gautam, S., Singh, A.K. and Gautam, R.D. 2009.** 'Comparative life table of chrysopids reared on *Phenococcus solenopsis* Tinsley in laboratory'. *J. Biol. Control*, 23(4): 393-402.

- Rani, S., Singh, S., Malik, S., Singh, L. and Kumar, V. 2009.** 'Synchronization of Indian weaver bird circadian rhythms to food and light zeitgebers: Role of pineal'. *Chronobiology International*, 26: 653-65. **IF 3.5.**
- Seth, R.K. and Barik, T.K. 2009.** 'Assessment of infective behaviour and reproductive potential over successive generations of entomopathogenic nematodes, *Steinernema glaseri* Rhabditida: Steinernematidae, reared within radiosterilized host larvae, towards *Spodoptera litura* Lepidoptera: Noctuidae', *Biocontrol Science and Technology*, 19(S1):111-25 (IF: 1.087).
- Seth, R.K., Barik, T.K. and Chauhan, S. 2009.** 'Interaction of entomopathogenic nematodes, *Steinernema glaseri* Rhabditida: Steinernematidae, cultured in irradiated hosts, with 'F1 sterility: Towards management of a tropical pest, *Spodoptera litura* (Fabr.) Lepidoptera: Noctuidae', *Biocontrol Science and Technology*, 19 (S1): 139-55 (IF: 1.087).
- Sharma, J.G., Rao, Y.V., Kumar, S. and Chakrabarti, R. 2010.** 'Impact of UV-B radiation on the digestive enzymes and immune system of larvae of Indian major carp *Catla catla*'. *International Journal of Radiation Biology, Informa Healthcare*, 86: 181-86.
- Sharma, J.G. and Chakrabarti, R. 2009.** 'Comparative growth performance and proteolytic enzyme activity of Indian major carp *Catla catla* larvae, fed with live food and refrigerated plankton food'. *Indian Journal of Animal Sciences Indian Council of Agricultural Research, ICAR*, 79: 1185-88.
- Sharma, P., Verma, M., Bala, K., Nigam, A. and Lal, R. 2010.** '*Sphingopyxis ummariensis* sp. nov., isolated from hexachlorocyclohexane (HCH)-dumpsite in north India'. *Int. J. Syst. Evol. Microbiol.*, 60: 780-84.
- Singh, A. and Lal, R. 2009.** '*Sphingobium ummariense* sp. nov., a hexachlorocyclohexane (HCH)-degrading bacterium, isolated from HCH-contaminated soil'. *Int. J. Syst. Evol. Microbiol.*, 59: 162-66.
- Srivastava, A., Roy, D. and Chakrabarti, R. 2009.** 'Phospholipids assay of *Daphnia carinata* using 1-D and 2-D NMR techniques'. *Journal of Biotechnology and Biochemistry* (Research India Publications), 5: 117-14.
- Suman, S., Khaitan, D., Pati, U., Seth, R.K. and Chandna, S. 2009.** 'Stress response of a p53 homologue in the radioresistant Sf9 insect cells'. *International Journal of Radiation Biology*, 85(3): 238-49. (IF: 2.170).
- Swain, V., Seth, R.K., Raghavendra, K. and Mohanty, S.S. 2009.** 'Characterisation of biochemical based insecticide resistance mechanism by thermal bioassay and the variation of esterase activity in *Culex quinquefasciatus*'. *Parasitology Research*, 104: 1307-13 (IF:1.512).
- Verma, M., Kumar, M., Dadhwal, M., Kaur, J. and Lal, R. 2009.** '*Devosia albogilva* sp. nov. and *Devosia crocina* sp. nov., isolated from hexachlorocyclohexane (HCH) dump site'. *Int. J. Syst. Evol. Microbiol.*, 59: 795-99.

# FACULTY OF LAW

## LAW

### Major Activities

The Faculty undertook the task of complete revision of courses of studies both for LL.B. and LL.M. The case materials were thoroughly revised. Prof. S.N. Singh revised case materials in Constitutional Law–I &II, Administrative Law, Environmental Law, Business Association–II, Company Law and Consumer Protection. Many foreign delegates and visitors came to the Faculty of Law and interacted with faculty members and students. These included the visits of Prof. Dr. Rudiger Woifrum, Director at the Max Planck Institute for Comparative Public Law and International Law; Dr. Walter Doralt, Max Planck Institute for Comparative Public Law and International Private Law and Prof. Dr. Ulrich Sieber, Max Planck Institute for Foreign and International Criminal Law, Freiburg, Germany. Prof. Debra A. Beauregard, Director of Graduate Program and Prof. Sharon Callahan, Director of Alumni Relations, Pierce Law. Franklin Pierce Law Center, visited the Faculty. Justice Elyakim Rubinstein of the Supreme Court of Israel visited the Faculty and interacted with teachers and students regarding the justice delivery system in his country. Woo, Yoon Keun, Yoon S. Chang and Park, Min-shik, Members, National Assembly of the Republic of Korea, along with Park Kyongsig, Second Secretary, Embassy of the Republic of Korea visited this Faculty. Tri Hayati, Head of Undergraduate Extension Programme visited the Faculty to explore the possibility of exchange programme between India and Indonesia. A delegation of 45 officers and members of courts, legislatures and other departments from 34 countries visited this Faculty. They included officers and members from Afghanistan, Argentina, Armenia, Bangladesh, Cambodia, Congo, Ethiopia, Fiji, Guatemala, Indonesia, Iraq, Jamaica, Lithuania, Mauritius, Mongolia, Myanmar, Nigeria, Oman, Peru, South Africa, Sri Lanka, Sudan, Surinam, Swaziland, Tajikistan, Tanzania, Thailand, Tunisia, Uganda, Ukraine, Uzbekistan, Zambia and Zimbabwe, besides officers from the Indian Parliament and state legislatures. The most significant visit was from Moscow, Russia. Ms. Gracheva Elena, Vice Rector Kutafin Moscow State Law Academy and Ms. Sokolova Natalis, Vice Director of the Institute of Jurisprudence of Kutafin Moscow State Law Academy visited the Faculty and entered into a Memorandum for Cooperation for joint activities, including exchange of students and faculty, publications, teaching materials, information on educational and research activities and participation in conferences, symposia and seminars.

### Ph.D. Degrees awarded

Ph.D. - 7

### Lecturers /Workshops/Conferences

A lecture was organised on “Right to Information Act – Accountability in Government” on Wednesday, October 21, 2009. The Chief Guest was Hon’ble Mr. Wajahat Habibullah Chief Information Commissioner. He spoke on the role of Right to Information Act in

bringing about transparency and accountability in the functioning of the Government. Prof. Ashwani Kr. Bansal, Prof-in-Charge, Law Centre-I also spoke on the topic and gave an in-depth insight as to how the Right to Information Act is becoming a folklore in the governmental functioning.

3 day Workshop-cum-Conference on “ Information Technology Laws and Related Intellectual Property” was organised on March 19-21, 2010 as “Training the Trainers programme’ in collaboration with CLIPTRADE ( Cyber law, Intellectual property and Trade Institute). The Hon’ble Law Minister of India, Shri Veerappa Moily inaugurated the programme. 4 VCs, 9 Heads of Law Faculties, 3 High Court Judges, 4 Eminent Legal Professionals and 4 bureaucrats acted as resource persons with 210 participants from all over the country.

The purpose of the Workshop cum conference was to build a knowledge base in law teachers and legal professionals to utilize the potential of Information Technology (IT) in the economy, e-commerce and e-Governance. This programme was launched in the nature of “training the trainers” programme with the initiative to make the future trainers.

### **Legal Aid Committee programmes**

Twenty students of Law Centre-I participated in four weeks Internship programme conducted by Delhi Legal Services Authority during June-July, 2009 and worked on the following live projects:

- i) Legal Literacy Camps in Tihar and Rohini Jails.
- ii) Awareness programmes in GRC (Slum and labour colonies)
- iii) Visits to Juvenile Justice Boards and Tis Hazari Courts (Lok Adalat)

Student members participated in the ‘Gender Sensitization Programme’ organized by Women Studies and Development Centre on 31 October, 2009 at Shafa Home (An NGO) at Rohini and conducted a Legal awareness workshop for dependents and codependents of alcoholic and drug addicts.

### **Moot Court**

Our team represented the country in the Jessup International Moot Court Competition in 2009-10 where in zonal rounds at National level it stood as Runner-ups.

Our Team won ‘the 10th P. Govind Menon Client Counselling and Interviewing Competition’ in 2009-10 and the ‘Best Speaker Award in R.K. Jain Memorial Moot Court Competition’ in 2009-10.

We conducted annual General Body meeting where we invited Supreme Court and High Court Judges and Lawyers to distribute prize

## **LAW CENTRE-I**

In academic year 2009-10, the students and teachers engaged themselves in various educational activities.

### **Lecturers /Workshops/Conferences**

A lecture was organised on “Right to Information Act – Accountability in Government” on Wednesday, October 21, 2009. The Chief Guest was Hon’ble Mr. Wajahat Habibullah Chief Information Commissioner. He spoke on the role of Right to Information Act in bringing about transparency and accountability in the functioning of the Government. Prof. Ashwani Kr. Bansal, Prof-in-Charge, Law Centre-I also spoke on the topic and gave an in-depth insight as to how the Right to Information Act is becoming a folklore in the governmental functioning.

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We conducted annual General Body meeting where we invited Supreme Court and High Court Judges and Lawyers to distribute prize among students and have a talk on several legal issues.

## FACULTY OF EDUCATION

### EDUCATION

#### Major Activities

CIE, as an institution, completed sixty-two years of its existence. The year was replete with a number of programmes, activities and initiatives taken up by the faculty, students and scholars of the Department.

As part of its attempt to reconceptualize and evolve a new model of teacher education, a draft document 'Two-Year B.Ed. Programme: A Conceptual Framework' was developed, which will be further strengthened in light of the recent National Curriculum Framework on Teacher Education.

The Regional Resource Centre for Elementary Education is part of the University School Resource Network established to address issues of equity and quality in school education. Several programmes have been organized which include public lectures, film series and study sessions.

The Department was visited by several representatives from different Faculties of Education, such as the New York University, USA, University of Augsburg, Germany, University College, Dublin, Ireland, University of Wales, UK, University of Calgary, Canada, a delegation from China and a delegation from Taiwan. The purpose of the visits was to promote academic exchanges and explore areas of cooperation between Delhi University and the respective foreign universities.

The computer lab equipped with Internet facility has been widely utilized by students, teachers, M.Ed., M.Phil., and Ph.D. scholars.

#### Ph.D./M.Phil. Degrees awarded

Ph.D.	-	7
M.Phil.	-	3

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Mentoring in Delhi schools: An in-service Teacher Education.	Prof. Rama Mathew	UK-Indian Education and Research Initiative
Enrichment of resource material for popularization of Science.	Dr. Nirupma Jaimini	DST and UNESCO

### *Programmes taken up involving inter-institutional collaboration*

Regional Resource Centre for Elementary Education is part of the University School Resource Network (USRN), Principal Investigator Prof. Poonam Batra, Sponsoring Organization Sir Ratan Tata Trust

## New Additions

Prof. S. R. Mittal	Dr. Yukti Sharma nee Gosain
Mr. Ashish Ranjan	Dr. Haneet Gandhi
Mr. M. Rajendran	Ms. Preeti Vivek Mishra

## Seminars/Conferences held

Workshop on 'International Understanding of Diversity in Higher Educational Institutions with a Special focus on Teacher Training Programme in the Institutes' in the Department of Education, Delhi University, 20 March 2010.

## Seminars/Conferences attended

**Prof. Anita Rampal:** Chaired a session on 'Education Policy-making: Contexts, Processes and Dynamics' at the National Seminar on 'Education Policy and Practice: Emerging Scenarios', at School of Social Sciences, Jawaharlal Nehru University.

Participated in the Research Network and International Seminar on 'Children's Participation' at the University of Cape Town, South Africa.

Participated in the International Workshop on Community Learning organised by the Uttarakhand Sewa Nidhi, Almora, and dolcelab Lab for Design of Learning, Collaboration and Experience, New York University.

Delivered the Safdar Hashmi Memorial Lecture on 'Education and Culture' organized by Janam.

Participated in the International Workshop on 'Transformative Education' at Institute for Development Studies, Sussex University, UK.

'Reaffirming the Vision for Quality and Equality in Education', presented paper at the National Seminar on 'Education for All: Mid Decade Assessment', NUEPA and MHRD, 2009.

Conducted sessions on 'Developing the Curriculum, Syllabus and Textbooks' at the National Workshop for State Secretaries and State Project Directors of Sarva Shiksha Abhiyan.

Chaired the session on 'Perspectives on Quality' at the National Seminar on 'Life-skills and Adolescence Education' organized by UNFPA and NCERT.

Chaired the session on 'Pedagogic Interventions: Teaching and Learning Mathematics and Science' at the USRN 'Linking Universities and Schools: Towards Equity and Quality', Seminar at Jawaharlal Nehru University.

Chaired the session on 'Issues in School Education' at the National Conference on 'Issues of Muslim Minority Education' at NUEPA.

Delivered a Keynote address on 'Education for Empowerment' at the Development Studies Forum at Tata Institute for Social Sciences, Mumbai.

Participated as Member of the Round Table on Education set up by the MHRD.

Made a presentation on 'Curriculum, syllabi and textbooks at different stages of school education', at the International Seminar on 'School Curriculum Policies and Practices in South Asian Countries' at NCERT.

Conducted sessions on 'Integrating Education for Sustainable Development in Curriculum and Textbooks' at the Asia Regional Workshop for Resource Persons from Asian countries at Centre for Environment Education, Ahmedabad.

Conducted a session on 'Issues on Urban Governance and Education of Disadvantaged Groups', at the National Workshop for SSA planners at NUEPA.

Participated in the National Consultation on the 'Committee Report on Renovation and Rejuvenation of Higher Education in India' at NUEPA.

Chaired a session at the National Seminar on 'School Education in Rural India', at NCERT.

Participated National Consultation on Women's Literacy organized by Nirantar.

Participated in Regional Seminar on 'National Higher Education and Research Bill' at NUEPA.

**Prof. Bharati Baveja:** Delivered the Professorial Lecture at the Department of Education and Humanities School of Education, University of Wales, Newport, November 2009.

Presented a Paper and conducted a workshop 'Methodology and Didactics: Approaches and Methods to Learn/Teach to Activate Resources for Lifelong Learning in India', at Faculty of Education, Free University of Bozen, Italy, December 2009.

**Prof. Poonam Batra:** Reclaiming the Space for Teachers to address the UEE Teaching – Learning Quality Deficit, Theme Paper, Education for All: Mid-Decade Assessment, NUEPA, New Delhi, September 2009.



Seminar Presentation: 'Social Science: the subject and perspective', Workshop for School Teachers, St. Mary's School, New Delhi, 4 July 2009.

Seminar Presentation: 'Education in India: Historical and Contemporary Reflections', Delhi University Study Programme for students of the University of Edinburgh, 27 August 2009.

Seminar Presentation: 'Placing ICTs in Perspective: Professionalising and supporting teachers', South India Workshop on 'Software for Public Sector with Focus on Public Education', Bangalore, 1-2 February 2010.

Seminar Presentation: 'The Idea of a Teacher', Workshop on 'Developing Pre-service Teacher Education Curriculum', Uttarakhand, organized by Azim Premji Foundation, Bangalore, 22 February 2010.

**Prof. Rama Mathew:** Presented a paper on 'Testing language Proficiency: Models for Indian Higher Education Sector' at the English for Progress: Third Policy Dialogue, British Council, Delhi, 19-20 December 2009.

Workshop on Assessment and Evaluation for college teachers of Kolkata University, leading to a Certificate Course in the Teaching of English, Institute of English, Kolkata, 3-4 December 2009.

Panelist in the Panel Discussion on 'Equal Education Opportunity and Quality in Elementary Education' at the National Consultation on Equal Opportunity and Inclusion in Education, Save the Children, Finland-South Asia Regional Office, Delhi, 10-11 December 2009.

**Prof. Sadhna Saxena:** 'Constructivism and Science Education in India', in Tenth International History Philosophy and Science Teaching Conference, University of Notre Dame, USA, 24-28 June 2009.

'Status of Girls Education in Madhya Pradesh' presentations made at Vidya Bhawan Society Udaipur, Lucknow University and Bhopal, 2009.

Presented a paper in the form of keynote address at Mahatma Gandhi International Hindi University, Wardha, Maharashtra, on Women and Education, September 2009.

**Prof. Namita Ranganathan:** Invited Speaker at National Discussion Meet on 'Emerging Issues in Foundations of Education', NUEPA, December 2009.

Invited Plenary Speaker at National Seminar on 'Life Skills Education in Adolescence Education Programmes', UNFPA-NCERT, December 2009.

**Prof. Gaysu R. Arvind:** 'Democracy, Participatory Governance and Prospects for Change', IV International Conference on Public Policy and Management at IIM-Bangalore, 9-12 August 2009.

**Dr. Nirupma Jaimini:** Guest Speaker on 'Quality in Teacher Education and Role of Universities', Conference on 'Challenges in Higher Education, North East Region' organized in Kohima, Nagaland, October 2009.

Coordinator, National Project, 'Enrichment of Resource Material for Science Education and its Popularization', supported by the National Council for Science and Technology Communication, conducted workshops in 'Enrichment of Science Kits' with Teacher Educators and Teachers in Science, November–December 2009.

**Dr. Neera Narang:** Participated in a Seminar 'All India Consultation on Building a Movement For Right to Education' organized by All India Forum for Right to Education in collaboration with Equal Opportunity Cell, Delhi University, November 2009.

**Dr. Pankaj Arora:** Presented a Paper on 'Safety Education In Schools' at a Workshop on 'Inclusion of Knowledge about Police, Law And Human Rights In School Curriculum' organized by NACDOR, Delhi, July 2009.

Participated in the Expert Group Consultation on Cultural Relevance of Adolescence Education Programme in Schools in workshop organised by UNFPA, July 2009.

Participated in a workshop on the theme 'Revisiting of General Framework of Adolescence Education', organized by NCERT, August 2009.

Resource Person for a Workshop on 'Adolescence education for visual impaired school students', organized by BRA, Delhi, October 2009.

Participated in the workshop on 'The Concept of Community Colleges in India' organized by NUEPA, November 2009.

**Dr. Vandana Saxena:** Convened a sessions on 'Will the Children of Today be living in a World Powered by Renewable Fuels?' Energy Farming Summit, New Delhi, 12-13 April 2009.

**Shri Rumesh Chander:** Organized two tele conferences for Visually Challenges at the behest of Rehabilitation Council of India, New Delhi.

**Dr. Susmita Lakhyani:** Participated in the International Conference on 'Micro Finance-Achievements, Prospects and Challenges', Indian Council of Social Science Research and National Bank for Agriculture and Rural Development, 2009.

Participated in the National Seminar on 'Wetlands of India–Economics of Management and Conservation', organized by Department of Economics, Jamia Millia Islamia, in collaboration with the Ministry of Environment and Forests, 2009.

**Shri Sandeep Kumar:** Participated in the National Seminar on 'Human Rights and Social Security in the Age of Globalization' at Jamia Millia Islamia University, New Delhi, November 2009.

Presented a paper entitled 'Social Constructivism in Teaching of Political Science in Indian Classroom' in the Asian Conference on Education in Osaka, Japan, October 2009.

Paper titled 'Effective Teaching Learning Processes: A Constructivist Perspective' presented at the National Seminar on 'Ways and Means for Excellence in Teaching' at Kasturi Ram College of Higher Education, Indraprastha University, Delhi, December 2009.

Presented paper titled 'Role of Socio cultural Context in Process of Concept Development' at the National Conference on 'Challenges in Human Development' at Dr. SRK Govt. Arts College, Yanam, January 2010.

Presented paper titled 'Right to Education: A Critical Review with Special Reference to Socio-Economic Development' at the National Seminar on 'Global Economic Challenges: Implications for India' at ILLL, organized by Shyam Lal College (Eve.), February 2010.

Presented paper titled 'How Children Construct Meaning' at the National Seminar on 'Quality Elementary Education and Constructivism' at Regional Institute of Education, Bhubaneswar.

**Shri Vinod Kumar Kanvaria:** Participated in Workshop on 'Vetting of Multimedia Programmes Audio and Video', CIET, NCERT, New Delhi, 2009.

Participated in INET Asia Regional Conference, ISOC, New Delhi, September 2009.

Presented a Paper and Resource Person at the National Seminar at RIMT, Punjab, 2009.

**Shri Ashish Ranjan:** Invited Speaker at the World Innovative Summit on Education, Doha, Qatar, 'Revisiting Issues in Plurality, Sustainable Development and Pedagogy of History'.

**Dr. Haneet Gandhi:** Participated in the 'Mathematics Seminar' organized jointly by Eklavya, Homi Bhabha, Digantar and Vidya Bhawan Society, July 2009.

Participated in the Development of Mathematics Curriculum for Chattisgarh Teacher Education Programme, Vidya Bhawan Society, Udaipur, May 2009.

Conducted a workshop for Allahabad mathematics teachers titled 'Learning Mathematics through Activities', October 2009.

**Shri M. Rajendran:** Participated in 'Using Internet for Applied Development Research' organized by Centre for Developmental Studies, Trivandrum and ICSSR (WRC), Mumbai, 1-3 April 2009.

Presented a paper on 'Theoretical Foundations of Life Skills Education for Children and Adolescents' at the International Conference of Life Skills Education in RGNIYD, Chennai, 4-5 April 2009.

Presented a paper on 'Improving the Quality of Research: A Critical View' at the National Seminar on 'Research, Innovation and Development in Education in CASE', The M.S. University of Baroda, Vadodara.

Resource person for 'Workshop to develop Training Packages for Primary and Upper Primary Teachers of the North Eastern Region' organized by the Department of Teacher Education and Extension, NCERT, New Delhi, July 2009.

## Publications

**Gaysu, A. 2009.** 'Democracy, People's Agency and Prospects of Change: A Quest for Inclusion', in Kahn, R. et. al. (eds), *The Practical Science of Society*. Grand Forks: University of North Dakota, pp. 41-74.

2009. 'Educational Code, Classroom Discourse and Children's Thinking: *Recreating Pedagogy as a Social Practice*', *Perspectives in Education*, 25(1): 62-71, Silver Jubilee Issue.

**Batra, P.** 2009. Co-author and member of Drafting Committee: *National Curriculum Framework for Teacher Education: towards preparing professional and humane teachers*, NCTE, New Delhi.

2009. Monograph, 'Reclaiming the Space for Teachers to address the UEE Teaching-Learning Quality Deficit', Theme Paper for the *Mid-term Review of EFA*, Published by NUEPA, September 2009.

2009. 'Teacher Empowerment: The Education Entitlement-Social Transformation Traverse', *Contemporary Education Dialogue*, Vol. 6(2), Spring 2009. pp. 121-56.

2010. Editor, *Social Science Learning in Schools: Perspective and Challenges*. New Delhi: Sage Publications.

**Mathew, R. 2009.** 'Issues in the Implementation of TEYL: A Case Study of Two States of India', In Enever, J., Moon, J. and Raman, U. (eds) *Young Learner English Language Policy and Implementation: International Perspectives*. Reading: Garnet Publishing Ltd., Co-author Pani, S.

2009. 'Constructing a personal theory: Some initial steps'. In *English Teaching Professional*.

**Mittal, S.R. 2009.** Two chapters on Visual Impairment in a Handbook published by National Institute of Visually Handicapped, NIVH, Rajpur Road, Dehradun.

**Parimala, D. (ed.). 2009.** *Equity and Education in India: Policy Issues and Challenges*. Delhi: Kanishka Publishers.

**Mohan, R.P. 2009.** 'Death Anxiety among Ethiopian Youngsters', *Psychological Reports 2009*, 105: 144-50.

2009. 'Ethiopian Early Career Teachers' Quit Intentions: Implications for Teacher Education'. *International Journal of Educational Management*, 24(6).

2009. 'Recalled test-anxiety in relation to achievement, in the context of general academic self-concept, study habits, parental involvement and socio-economic status among Grade 6 Ethiopian students'. *Education 3-13*, 37(3): 269-85.

**Rampal, A. 2009.** 'An Indigenous Discourse to Cradle our Cognitive Heritage and Script our Aspirations: Reflections from India and South Africa'. In Cowen, R. and Kazamias, A.M. (eds), *International Handbook of Comparative Education*. Springer, pp. 739-53.

2009. Monograph: 'Reaffirming the Vision for Quality and Equality in Education'. Theme Paper, *Education For All : Mid Decade Assessment*, NUEPA and MHRD.
2010. 'Curriculum, Economic and Cultural Development', *International Encyclopedia of Education*, 3rd Edition. (eds) McGraw, B., Baker, E. and Peterson, P. Elsevier.
- Saxena, S. and Jain, M. 2010.** 'Politics of Low Cost Schooling' 2010. *EPW*, 45 (18).
- Saxena, S. 2010.** 'State and Public Education in India' in *Social Development Report 2010* (Editor Prof. Manoranjan Mohanty). New Delhi: Council of Social Development.
2010. 'Teacher as a Constructor of Innovative Pedagogy' in *Knowledge Language and Learning* by Agnihotri, R. and Hridaya Kant Diwan, H.K. (eds), Delhi: Macmillan.
2010. 'Literacy, Engaging Pedagogy and Empowerment' in Anastasia Nikolopoulou, (University of Cyprus), Farid Mirbagheri, (Inter-college, Cyprus) & Taisha Abraham, (Jesus & Mary College, Delhi University) (eds), *The Challenge to Globalization: Education for Sustainable Development*, New Delhi: Sage.
- Sharma, Y. 2009.** 'Published paper, titled 'Revisiting the Concept of Giftedness and its stature in the Post-Modern Era' in *Gifted Education International*, 25(3), UK.

## FACULTY OF SOCIAL SCIENCES

### ADULT CONTINUING EDUCATION & EXTENSION

#### Major Activities

The Department has organized a series of capacity and life skills programmes for SC/ST and minority students in various colleges. It has organized a national-level workshop on 'Changing Nature of Work and Lifespan period'. A-ten day workshop was organized for SC/ST and other backward class teachers and research scholars during the period.

The academic schedule also incorporated a two-day workshop on 'Interdisciplinary Researches in Adult, Continuing Education' in collaboration with ICSSR, MHRD, Government of India.

#### Ph.D. Degrees awarded

Ph.D. - 4

#### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Technology transfer for the elderly persons.	Dr. Rajesh, Dr. V.K. Dixit (Co-PIs)	DST

Capacity building for SC/ST students in Delhi.	Dr. Rajesh	DU
An assessment of health needs of villagers in Gautam Budh Nagar.	Dr. J.P. Dubey	Moser Baer Trust
Holistic approach for improving livelihood security through livestock based farming system in Bara Banki and Rae Bareli district of UP.	Dr. J.P. Dubey (Co-PI)	NAIP-ICAR
An assessment of vocational training Kendra programme in Ghaziabad.	Dr. J.P. Dubey	Gram Niyojan
Development study and spiritual intelligence: An empirical study.	Dr. V.K. Dixit	DU
A study of the technological interventions in relation to health psycho-social well being.	Dr. V.K. Dixit (Co-PI)	DST

### **Honours/Distinctions**

**Dr. Rajesh:** Fellow, International Institute of Adult and Lifelong Learning.

**Dr. J.P. Dubey:** Fellow, International Institute of Adult and Lifelong Learning.

Member, Board of Studies of Jiwaji University, Gwalior, MP; Member, Board of Studies, HNBU, Garhwal University; Advisory Committee Member to the Course Development of Extension Services in Higher Education of Indira Gandhi National Open University, New Delhi and Member, Board of Studies, CJSM, Kanpur University, UP.

### **Seminars/Conferences attended**

**Dr. D.D. Aggarwal:** Presented a paper on 'Developing Mechanism for Consumer Rights of Silent Suffering Masses', National Seminar on 'Role of Consumer for Issues, Challenges and Opportunities', organized by JNU, 12-13 March 2010.

**Dr. Rajesh:** Presented refereed paper in Stirling University, Centre for Research in Lifelong Learning, United Kingdom, on Gender Resource Centre, NCT of Delhi, 23-26 June 2009.

Presented paper on 'Female Literacy for Empowerment: A Case Study' in International Conference in Chennai, 24-25 November 2009.

Presented paper on 'Decent Employment Opportunities for Women', International Conference organized by Punjabi University, Patiala, 26-27 March 2010.

National Conference on 'Exclusionary Perspectives for Muslim and Marginalized Groups' on 'A Study of Non-formal Education for the Marginalized People' by Maulana Azad National Urdu University, 22-24 February 2010.

Attended National Level Curriculum Development for a Distance Learning course on Family Life Education by Management Institute of Population and Development, 18 January 2010.

**Dr. J.P. Dubey:** Organized Annual Conference cum National Seminar of IUACE on 'Rural Youth Entrepreneurship' at MJP, Rohilkhand University, Bareilly, UP, 30-31 October 2009.

Organized Seminar on 'Rights of Older Persons for UN Convention on Older Persons,' IUACEE-DACEE, Jiwaji University, Gwalior, 20 April 2009.

Presented a paper at Seminar on 'Rights of Senior Citizens' organized by Jiwaji University, Gwalior, Indian University Association for Continuing Education and all India Senior Citizen Confederating at DACEE, Jiwaji University, Gwalior, 5 April 2009.

Presented a paper entitled 'Productive Aging: Searching the Answer' at National Seminar on 'Income Security of Aged' at SV University, Tirupati, 28-29 January 2009.

**Dr. V.K. Dixit:** Presented a paper in a National Seminar on 'Interdisciplinary Researches', organized by Department of Adult, Continuing Education and Extension, Delhi University, sponsored by ICSSR, 6-7 February 2010.

### **Publications**

#### **Book**

**Rajesh 2009.** *From Campus to the Community*. Delhi: Delhi University Press.

**Dubey, J.P. 2010.** *University Extension Education: Structural and Functional Perspective*, Germany: Lambert Academic Publication (LAP).

#### **Research Paper /Articles/Chapter in books**

**Dubey, J.P. 2009.** 'Impact of Exposure Programme on stake-holders of university extension'. *Journal of Indian Adult Education Association*, 67(1-2): 6-13.

2009 'Rights of Older Persons: Advocacy Issues'. In *UN Convention on the Rights of Senior Citizens*, edited by Sharma, A.K. Gwalior, (MP): University Press Jiwaji University.

**Rajesh, 2010.** 'A study of Youth Research Centre in Higher Education', *Indian Journal of Youth Affairs*, January-June 2010, Vishwa Yuvak Kendra, New Delhi.

**2009.** 'Comparative Adult and Lifelong Learning' in *Readings in Life Learning*. Delhi: Delhi University Press, pp. 11-18.

## **AFRICAN STUDIES**

### **Major Activities**

The Department, established by the First Prime Minister of India, (Late) Pandit Jawaharlal Nehru, is specializing on the history, politics, society, economy, geography and literature on African affairs. The Department received Hashim Mbita Project, sponsored by Southern Africa Development Community (SADC) to work on India, NAM and its role in the liberation

of Southern Africa. The main thrust of the Department is to carry out inter-disciplinary research and set up Study Groups such as India African Relation, Group on South Africa, Human Rights and Refugees and Sudan Study Units.

### **Ph.D./M.Phil. Degrees awarded**

Ph.D.	-	4
M.Phil.	-	5

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Hashim Mbita Project.	Dr. Suresh Kumar	SADC
Political economy and social issues in Eritrea.	Dr. Suresh Kumar	DU
Geopolitics federalism: A vision of North and South Sudan.	Dr. Suresh Kumar	DU

### **Seminars/Conferences held**

National Seminar on 'Development Cooperation: Past, Present and Future Vision', 25 February 2010.

### **Seminars/Conferences attended**

**Dr. Suresh Kumar:** III International Yoga Festival, organized by Bali-India Foundation Indonesia. Topic: 'Climate Change and Role of Yoga for Sustainable Environment in Afro-Asia Region', 3-10 March 2010.

International Policy Dialogue History and Culture of African Studies: Centre of African & Oriental Studies, El-Salvador, Brazil. Topic: 'The History of Afro-India Past, Present and Future of African Studies in India', October 2009.

International Policy Dialogue History and Culture of African Studies: Sao Paulo, Brazil. Topic: 'The Indian Africa: the History of Afro-Indo Relations and the State of Art in African Studies in India', 28-29 September 2009.

Topic: 'Diversity, Diffusion and Challenges in African Culture under Globalization', 3rd Festival of Theatre and Cultures in Africa, University of Casablanca, Morocco, 8-16 May 2009.

International Conference on 'Conclave on India-Africa Project Partnership 2010', Taj Palace, New Delhi, organized by African Development Bank, Ministry of Commerce and Industry, Ministry of External Affairs, Govt. of India, Confederation of Indian Industry, Delhi, and EXIM Bank of India, 13-15 March 2010.

International Conference on 'India and Africa: Developing Scenarios', 5 March 2010. Topic: 'Siddis Culture: African Diaspora in India'.



2nd International Theatre Festival of Kerala (ITFOK), Keynote Address: 'Land Trajectories and Culture of Africa and India: Semantics Connectivity', Trissur, Kerala, 25 December-5 January 2010.

2nd International Theatre Festival of Kerala (ITFOK), Topic: 'Similitude of India and Africa: A Cultural Connection', Trissur, Kerala, 25 December-5 January 2010.

Topic: 'India's Role in Developing human and Social Resources in Africa', International Seminar on 'India and Africa: Partnership for Capacity Building and Human Resource Development', IIC Delhi, 9-10 February 2010.

Topic: 'Civil Society (Education, Land Reform and Health) and the Issues of Governance in South Africa', International Seminar on 'Role and Importance of South Africa', JNU Delhi, 11-12 November 2009.

Topic: 'India and SADC: Emerging Areas of Economic and Production Cooperation', International Seminar on 'India and SADC: Role and Importance of South Africa', Punjabi University, Patiala, 9-10 October 2009.

Topic: 'Academic Programmes in Department of African Studies: From Past to Today', Workshop on 'Teaching, Researching and Resourcing African Studies in India', SIS, JNU, 19 March 2010.

Topic: 'India's Foreign Policy in Africa: A Critical Analysis', National Conference on 'India and Africa: Past, Present and Future Vision', organized by Centre for African Studies, Delhi University, 25 February 2010.

Presented paper titled 'A perspective on Indian trade and investments in East Africa (Kenya, Tanzania and Uganda)', National Conference on 'India's Changing Relationship with East Africa: Shifting Patterns and New Players', ORF's, Delhi, 5 June 2009.

**Dr. A.S. Yaruvingam:** Presented a paper titled 'India's Cultural diplomacy toward South Africa', International Seminar at Patiala, 9-10 October 2009.

Presented paper titled 'Dilemma of PIO in South Africa', International Seminar at JNU, 11-12 November 2009.

## **Publications**

### **Books**

**Kumar, S. 2010.** 'Climate Change and Environmental Challenges'. In Saifuddin Soz, et. al., (eds), *SAARC Emerging Challenges*. FPSD.

### **Articles**

**Kumar, S. 2010.** 'African Agriculture: An Abiding Investment Avenue for India', *Indo-African Business*, **EXIM Bank**, February-April 2010.

**2009.** 'Globalisation and African Culture', *Africa Quarterly*, Vol. 49, No. 2-3, May-October 2009.

## ECONOMICS

### Major Activities

The Department of Economics, Delhi School of Economics, is considered to be one of the premier academic institutions in terms of teaching and research and members of the Department continue to contribute to the promotion and dissemination of knowledge on the field of Economics in a significant way. Several faculty members published their research works in leading national debates and policy through writings in popular journals, production of two well-regarded economic forecasts, and memberships of national committees.

The two-year M.A. course, with its large student enrolment, is the mainstay of the teaching programme. It places emphasis on quantitative methods, state-of-the-art economics, and hands-on training in the use of econometric software. Continuous efforts are made to familiarize students to the latest techniques of the field both theoretical as well as quantitative. Students have undertaken field trips in some of these courses which gave them a clearer idea about the functioning of the real economy. The Department has been very successful in placing its Master's graduates in corporate jobs as well as in Ph.D. programmes in the top-grade US universities.

The Centre for Development Economics organized an International Workshop, called Winter School 2009, during 11-14 December 2009. The workshop consisted of two parts. The first part consisted of a series of expository lectures by invited eminent economists on their fields of research expertise. The second part consisted of short presentations of current research papers by scholars from India and abroad.

**Professor Charles Manski** of Northwestern University delivered a series of lectures on econometric theory, entitled 'Identification for Prediction and Decision'. **Professor William Thomson** of Rochester University delivered a series of lectures on cooperative game theory, entitled 'Adjudication of Conflicting Claims'. In addition to these lectures, short research talks were given by scholars from Centre de Sciences Humanities, New Delhi, Dartmouth College Hanover, USA, Delhi School of Economics, Institute of Financial Management and Research, Chennai, Indian Statistical Institute, Delhi, Indian Statistical Institute, Kolkata, Indira Gandhi Institute of Development Research, Mumbai, International Monetary Fund, National University of Singapore and Universit'e Paris I Sorbonne.

The Centre hosted a special series of three lectures by Professor Debraj Ray on 'Distribution and Development' between 22-23 March 2010. Professor Ray is Julius Silber Professor of Economics at New York University, and the author of numerous academic papers and books, including *Development Economics*, the leading textbook on economic development used in undergraduate curricula all over the world. The lecture series was sponsored by a special grant from the University of Delhi, and attracted students and scholars from within Delhi University as well as outside.

The Centre organized a refresher training course based on 'Recent Developments in Index Numbers' during 1-5 February 2010, for in-service ISS Officers and Senior Officers nominated by the National Academy of Statistical Administration, Central Statistics Organization, Ministry of Statistics and Programme Implementation, Government of India.

Prof. Suresh D. Tendulkar, Former Faculty Member and Director, Delhi School of Economics, and Ex-Chairman of the Council of Economic Advisers to the Prime Minister, delivered the inauguration lecture, while Prof. Amitabh Kundu, Faculty at the Centre for the Study of Regional Development, School of Social Sciences, JNU, and Member, National Statistical Commission, Government of India, delivered the valedictory lecture to the participants.

Two field surveys were conducted by M.A. (Economics) students of the Delhi School of Economics during the summer vacation of 2009.

The first study is entitled 'A Comparative Study Assessing the Quality of Public Health Facilities and Health Practices of the Households Across Two Indian Villages' (under the supervision of Aditya Bhattacharjea).

The second study is entitled 'An Analysis of Health Seeking Behaviour, Health Decision Making and Health Attitudes of Individuals' (under the supervision of J.V. Meenakshi).

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Impact of court mandated conversion to LPG fuel for Kolkata's auto-rickshaws.	Parikshit Ghosh Rohini Somanathan	Centre for Development Economics & DSE
The impact of school meals on attendance, learning and health outcomes in Delhi.	Rohini Somanathan	Directorate of Education, Govt. of NCT of Delhi
International Econometric India Link Model.	Pami Dua N.R. Bhanumurthy	Forecasts are developed as part of World Project LINK

The following activities were undertaken during the year:

Updation and reformulation of the model using higher frequency data quarterly.

Report on *India Link Macroeconomic Outlook for 2009-10 & 2010-11*, October 2009.

Publication of Outlook and Mid-Year Review: *India Link: Economic Outlook 2009-10 to 2010-11*, October 2009.

Presentation of forecasts in the World Project *Link* International Meeting held at UNESCAP, Bangkok, in October 2009.

Presentation of paper titled 'Synchronization of Recessions in Major Developed and Emerging Economies' by Pami Dua at the World Project LINK International Meeting held at UNESCAP, Bangkok, in October 2009.

#### **Honours/Distinctions**

**Ashwini Deshpande:** V.K.R.V. Rao Award for Economics, January 2010.

**Ram Singh:** Erasmus Mundus Scholarship 2010 in Economics.

#### **Seminars/Conferences held**

**Pami Dua:** 'Synchronization of Recessions in Major Developed and Emerging Countries', 10 September 2009.

**T.C.A. Anant and Ram Singh:** 'Distribution of Highways Public Private Partnerships in India: Key Determinants'.

**Guilhem Cassan:** 'British Law and Caste Identity Manipulation in Colonial India: The Punjab Alienation of Land Act', Paris School of Economics and LEA-INRA.

**Ramgopal Agarwala:** 'Managing Risks Facing the Indian Economy: Towards a Better Balance between Public and Private Sectors', Research and Information System for Developing Countries, New Delhi, 22 October 2009.

**Shasikanta Nandeibam:** 'Randomized Rationality', University of Bath, UK.

**Jean-Marie Baland:** 'The Distributional Implications of Group Lending', University of Namur, Belgium, 29 October 2010.

**Peter Lanjouw:** 'Revisiting between Group Inequality Measurement: An Application to the Dynamics of Caste Inequality in Two Indian Villages', The World Bank, Washington D.C., 12 November 2009.

**Gurbachan Singh:** 'Banking Crisis and Liquidity: A Perspective', Jawaharlal Nehru University, 3 December 2009.

**Jean-Philippe Platteau:** 'Transformation of the Family under Rising Land Pressure: A Theoretical Essay', University of Namur, Belgium, 24 December 2009.

**Neha Khanna:** 'Income Inequality and Consumer Behavior: A Model of Conspicuous Consumption', Binghamton University, 14 January 2010.

**Timothy Dalton:** 'Active Learning Education and Soil Conservation in Asian Cassava Systems', Kansas State University, Manhattan, 15 January 2010.

**Sudhir A. Shah:** 'Comparative Riskiness of Random Vector Outcomes', Delhi School of Economics, 28 January 2010.

**Arup Sen:** 'Moral Hazard in Long term Guaranteed Contracts: Theory and Evidence from the NBA', Boston University, 4 February 2010.

**Yukinobu Kitamura:** 'How to Make the Japanese Public Pension System Reliable and Workable', Hitotsubashi University, Tokyo, 18 February 2010.

**Anmol Rattan:** 'Reference-Dependent Preferences in First Price Auctions', University of Maryland, 19 February 2010.

**Reetika Khera:** 'BPL Census: A Possible Alternative', Delhi School of Economics, 25 February 2010.

**V. Bhaskar:** 'Sex Selection and Gender Balance', University College London, 4 March 2010.

**Manimay Sengupta:** 'How Long is the Spell that the Poor are Poor: The Time Dimension in the Measurement of Poverty', Indian School of Business and Finance, Delhi, 11 March 2010.

**S. Subramanian:** 'A Chakravarty-D'Ambrosio View of Multidimensional Deprivation', Madras Institute of Development Studies, Chennai, 19 March 2010.

**Suchismita Tarafdar:** 'Optimization in Economies with Nonconvexities', Arizona State University, 26 March 2010.

#### **Seminars/Conferences attended**

**Pami Dua:** 'Determinants of Weekly Yields on Government Securities in India', International Conference on 'Quantitative Methods in Money, Banking, Finance and Insurance', Indian Business School, Hyderabad, March 2010.

'Synchronization and Intensity of the Global Recession and Recovery', Dayalbagh Educational Institute, February 2010.

'Synchronization of Recessions in Major Developed and Emerging Economies', Project LINK International Meeting, UNESCAP, October 2009.

'Synchronization of Recessions in Major Developed and Emerging Economies', Centre for Development Economics, Delhi School of Economics, September 2009.

'Exchange Rate Policy and Modelling in India', Reserve Bank of India, Mumbai, August 2009.

'Synchronization of Recessions in Major Developed and Emerging Economies', Workshop on 'India in the G-20: Macroeconomic Policy Coordination, Regulation and Global Governance', Centre for Economic Policy Research, (UK) and National Council of Applied Economic Research, New Delhi, June 2009.

Lectures on 'Analysis of Business Cycles Using Coincident and Leading Indexes: An Application to the Global Recession', Workshop on 'Indexes for CSO Officers', Centre for Development Economics, Delhi, October 2009-February 2010.

'Econometric Modelling and Forecasting', Refresher Programme in Economics, Centre for Professional Development in Higher Education, Delhi University, October 2009.

'Analysis of Business Cycles using Coincident and Leading Indexes: An Application to the Global Recession', Refresher Training Programme on 'Index Numbers' for ISS Officers and Senior Officers of State Govts./UTs, Centre for Development Economics, Delhi School of Economics, February 2010.

**Parikshit Ghosh:** 'Democracy, Free Speech and the Right to Information: Rights as Self Interested Gifts', Conference on 'Rights in Economics and Law', Jawaharlal Nehru University, March 2010.

**B.L. Pandit:** 'Outward Foreign Direct Investment', United Nations Conference on Trade and Development, UNCTAD, Geneva, Switzerland, March 2010.

Chaired Session on 'Towards a Theory of MNC', UNCTAD Conference, March 2010.

**Santosh C. Panda:** Invited Lecture 'India Development Strategy: Big Country Issues', International Conference on 'Economics of Big Countries', Hunan University of Commerce, Changsha, China, November 2009.

'Distribution of Highways Public Private Partnerships in India: Key Determinants' with T.C.A. Anant, Planning Commission, Government of India, August 2009 at Ministry of Finance, Govt. of India, October 2009.

'Economic Analysis of Contracts for Expressways', V Annual Conference on 'Economic Growth and Development', Indian Statistical Institute, 16-18 December 2009.

'Litigations Over Land Acquisition: Causes and Consequences', Conference on 'Rights in Economics and Law', Centre for Economic Studies and Planning, JNU, 5 March 2010.

**Uday Bhanu Sinha:** 'Patent Protection and Southern Innovation: A Strategic Analysis', Conference on 'Frontier Issues in Technology, Development and Environment', Madras School of Economics, Chennai, 19-21 March 2010.

'Economics of R&D and Innovation', Academic Staff College, Jamia Millia Islamia University, New Delhi, October 2009.

**Rohini Somanathan:** 'Public Goods Access and Juvenile Sex Ratios in Rural India: Evidence from the 1991 and 2001 Village Census Data', Fifth Annual Conference on 'Economic Growth and Development', Indian Statistical Institute, New Delhi, 18 December 2009.

'Repayment Incentives and the Design of Microfinance Institutions', at University of Melbourne, February 2010; and, at Conference on 'Economic Theory, Markets and Institutions of Governance', Jawaharlal Nehru University, New Delhi, March 2010.

'Repayment Incentives and the Design of Microfinance Institutions', University of Sydney, February 2010.

**Sugata Bag:** 'Two sided Informational Asymmetry, Bilateral Investment, Simple Incomplete Contract and the Legal Remedies', 4th French-German Talk in Law & Economics, University of Trier, Germany, December 2009.

'Whither Contract Damages: Contracts with Reliance and One-sided Private Information', Conference on 'Economic Theory, Markets and Institutions of Governance', Jawaharlal Nehru University, New Delhi, March 2010.

**Ashwini Deshpande:** 'Does Affirmative Action Lower Productivity in Indian Railways', at British Academy Conference, London, October 2009, at Institute of Development Studies, Jaipur, December 2009, at 'Winter School 2009', Centre for Development Economics, Delhi School of Economics, December 2009, at Annual Conference, Indian Statistical Institute, Delhi, December 2009.

'Growth, Reforms, Inequality: Comparing India and China', at International Chinese Studies Conference, New Delhi, December 2009, at Indian Institute for Development Studies, Kolkata, December 2009, at The New School, New York, March 2010.

Keynote address 'Caste Discrimination in Urban Labour Markets', Annual Conference of the Indian Society of Labour Economics, Patiala, December 2009.

**Sunil Kanwar:** 'Intellectual Property Protection and Overseas R&D', Centre for Economic Studies and Planning, Jawaharlal Nehru University, New Delhi, 5 March 2010.

'Intellectual Property Protection and Overseas R&D: An Economic Analysis', Indian Institute of Technology (Bombay), Shailesh J. Mehta School of Management, 22 December 2009.

Invited discussant Workshop on 'Study Design and Methodology of Coordinated Projects Assigned 2009', Ministry of Agriculture, Government of India, Session on 'Possibilities for and Constraints on Increasing the Production of Pulses in India, and the Impact of the National Food Security Mission on Pulses', Institute of Economic Growth, 11 February 2010.

**Anirban Kar:** 'How Level Should the Playing Field Be? Initial Positions and Fairness in Ultimatum Games', Economics Department, Seoul National University, November 2009.

**Sudhir A. Shah:** 'Dual Representations of Cardinal Preferences when Outcomes are Vectors', Far Eastern and South Asian Meetings of the Econometric Society, Tokyo, August 2009.

**Aditya Bhattacharjea:** 'Economics of Competition Law', to officers of the Competition Commission of India, Indian Institute of Corporate Affairs, New Delhi, March 2010.

## **Publications**

### ***Refereed Journals***

**Dua, P. 2010.** 'Determination of Inflation in an Open Economy Philips Curve Framework: The Case of Developed Asian Countries', (with Gaur, U.), *Macroeconomics and Finance in Emerging Market Economies*, 3: 33-51.

2010. 'Synchronization of Recessions in Major Developed and Emerging Economies', (with Banerji, A.), *Margin: The Journal of Applied Economic Research*, 4: 197-223.

### **Research Publication**

**Banerji, A. 2009.** 'Local Network Externalities and Market Segmentation' (with Dutta, B.), *International Journal of Industrial Organization*, Vol. 27, No.5.

**Meenakshi, J.V. 2009.** 'Cost-Effectiveness of Biofortification', Best Practice Paper, Copenhagen Consensus Centre.

**2010.** 'How Cost-Effective is Biofortification in Combating Micronutrient Malnutrition? An Ex ante Assessment' (with Nancy L. Johnson, Victor M. Manyong, Hugo DeGroot, Josyline Javelosa, David R. Yanggen, Firdousi Naher, Carolina Gonzalez, James Garcia and Erika Meng), *World Development*, Vol. 38(1): 64-75, January 2010.

**Panda, S.C. 2009.** 'India's Growth Story: Challenges and Prospects', *International Journal of Economic Policy Studies*, Vol. 4.

**Singh, R. 2009.** 'Comparative Vigilance' (with Allan Feldman, Brown University), *American Law and Economics Review*, 11(1): 134-61.

**2010.** 'A High-handed Approach to National Highways', *Economic and Political Weekly*, 45(8): 19-21.

**2010.** 'Delays and Cost Overruns in Infrastructure Projects in India: Extents, Causes and Remedies' (special article), *Economic and Political Weekly*, 45(21): 43-54.

**Sinha, U.B. 2009.** 'Attitude to Schooling, Wage Premium and Child Labour' (with Mukherjee, D.), *Indian Growth and Development Review*, 2(2): 113-25.

**2010.** 'Strategic Licensing, Exports, FDI and Host Country Welfare', *Oxford Economic Papers*, 62(2): 114-31.

**Somanathan, R. 2009.** 'Climate Change: Challenges Facing India's Poor' (with E. Somanathan), *Economic and Political Weekly*, 44(31): 51-58.

**2009.** 'Mapping Indian Districts across Census Years, 1971-2001' (with Hemanshu Kumar), *Economic and Political Weekly*, Vol. 44, No. 41.

## **EAST ASIAN STUDIES**

### **Major Activities**

The Department held two international conferences, one national conference and one workshop during the year. The conferences were funded by the ICSSR, ICCR and from the Area Studies Grant of the UGC at the Department of East Asian Studies.



The Japanese Overseas Cooperation Volunteer provided the Department with a voluntary language teacher to teach Japanese.

Our scholars visited Taiwan, Japan, Korea, Australia, Singapore, Malaysia, Canada and the US as well as Guwahati, Srinagar, Kolkata, Leh and Vadodara as visiting fellows and for presenting papers at international and national conferences.

Received book grants from the Taipei Economic and Cultural Centre, Toshiba Foundation, Japan Foundation, Shinyo-en (Buddhist Organization), Japanese Literature Publishing and Promotion Centre, Japan International Cooperation Agency and the Korea Foundation.

The Department signed an MoU with the Korea Foundation for a five-year support Programme for a visiting Professor in Korean Studies and for language related programmes in the Department. This is in addition to the existing Korea Foundation visiting fellow who the Department has had for the last eight years.

We graduated our first batch in Masters in East Asian Studies. All our graduating students were placed at Delhi's leading think tanks and research institutions over the summer of 2010.

The students of our Department got scholarships from Mitsubishi Corporation (8 students), LG (9 students), JENESYS Programme of Japan Foundation (4 students), Japanese Embassy (1 student), Sinh an Bank (S students), Korea Foundation (1 student) and Ministry of HRD Exchange Programme (1 student).

The Department initiated the following research projects:

- (i) Education in East Asia
- (ii) A Study of Silk Road's Sino-Indian Cultural Exchange
- (iii) China and the Indian Ocean Region: Evolving Strategic and Political Dynamics

### **Ph.D. Degrees awarded**

Ph.D. - 3

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
China and the Indian Ocean.	Prof. Madhu Bhalla	
EU and Asian Security.	Prof. Madhu Bhalla	
Buddhist settlements: A study of the travels of Xuanzang in India.	Prof. Anita Sharma	UGC
Security Training Module for senior Indian Foreign Service officers on India-China Relations.	Prof. Anita Sharma	LBSNAA

Study of Engaged Buddhist movements, peacebuilding activities, social development and transnational voluntary activities by Buddhist organizations, monks and laity. Dr. Ranjana Mukhopadhyay

Meiji Buddhists' experiences in India and China: Historical and bibliographical survey of 'Pan-Asianism' of Japanese Buddhism. Dr. Ranjana Mukhopadhyay

### **Appointments of faculty members to higher Posts/Assignments**

**Prof. Madhu Bhalla:** Member, Executive Council, Institute for Defence Studies and Analyses, Ministry of Defense, New Delhi

**Prof. Sreemati Chakrabarti:** Appointed Visitor's Nominee by the President of India for the English and Foreign Languages University, Hyderabad, Andhra Pradesh.

**Prof. Anita Sharma:** Delegation Leader of Indian University Students Delegation to China to participate in Sino-Indian University Students Forum I, 20-23 May 2009.

Co-Chairperson, The First National Congress on Role of Women in Disaster Preparedness, All India Foundation for Peace and Disaster Management in association with Delhi Disaster Management Authority and Delhi Commission for Women, Govt. of NCT of Delhi, New Delhi, 15-16 December 2009.

### **Seminars/Conferences held**

International Seminar on '60 Years of the People's Republic of China', 7 October 2009.

Workshop on 'Japan's General Elections 2009', 12 October 2009.

'Korea Week' 23-27 November 2009.

International Conference on 'Inter-Regionalism between East Asia & SAARC: Perspective, Challenges and Implications for the Future', 26-27 November 2009.

International Conference on 'Buddhism in East Asia: Traditions, Changes and Challenges', 12-13 February 2010.

Workshop on 'Translation and Methodologies', 8 March 2010.

National Seminar on 'East Asian Languages and Translations', 29 March 2010.

### **Seminars/Conferences attended**

**Prof. Madhu Bhalla:** Paper presented on 'China and the Contemporary World' at the Conference on 'Regionalism in Asia: Towards Greater Sino-Indian Interaction', Department of International Relations, Jadavpur University, Kolkata, 4-5 March 2010.

Paper on 'The Case for India-Japan-China Trilateralism' at the International Conference 'India-Japan-China Dialogue on East Asia Summit Process: The Leadership Conundrum', ICRIER, New Delhi, 6-7 April 2010.

Paper presented on 'China's Position on Major Global Issues and Challenges' at Conference on 'China's Foreign Policy and Foreign Relations', ORF, New Delhi, 4-5 December 2009.

**Prof. Anita Sharma:** Convener, Workshop on Kumarajiva organized by K.J. Somaiya Institute of Management Studies and Research, Mumbai, at University of Delhi, 11 March 2010.

Coordinator, International Conference on 'Buddhism in East Asia: Traditions, changes and challenges', Department of East Asian Studies, University of Delhi, 12-13 February 2010.

Presented a paper 'Merchants and monks: Spread and Development of Buddhism in China via the Silk Road' at the XVIII Annual World History Association Conference, Salem State College, Salem MA, USA, 25-28 July 2009.

Presented a paper 'Continuity and Change: Role of Women in Buddhism of Taiwan' at the IX Conference of Indian Congress of Asian and Pacific Studies, Allahabad University, UP, 4-5 September 2009.

Presented a paper 'Kashmir in Early Chinese Records', at the 3-day National Seminar on 'The Contribution of Kashmir to Buddhist Thought and Religion', organized by Institute of Kashmir Studies, University of Kashmir, in collaboration with Central Institute of Buddhist Studies, Choglamsar, Leh (Ladakh), 14-16 September 2009.

Presented a paper 'Kashmir as Reflected in the Accounts of Xuanzang and Oukong', at the IX Conference of the Indian Society of Buddhist Studies, University of Kashmir, Srinagar, 5-7 October 2009.

Presented a paper 'Buddhism and China Studies in India' at the International Conference on Emerging China, Indian Council for World Affairs and Association of Asian Scholars, 21--23 November 2009.

Presented a paper 'Buddhism and Deep Ecology with Special Reference to Dalai Lama' at the 3rd International Lay Buddhist Forum, Kuching Buddhist Society, Kuching, Malaysia, 18-22 December 2009.

Presented a paper 'Buddhism in Gujarat as Described in Chinese Accounts' at the International Seminar on 'Buddhist Heritage', Government of Gujarat and the Department of Archaeology and Ancient History, Maharaja Sayajirao University of Baroda, Vadodra, Gujarat, 15-17 January 2010.

Presented a paper 'Religious Tolerance, Pluralism and Buddhism' at the International Seminar on 'Inter Cultural and Inter Religious Dialogue specially In Buddhism, Hinduism and Islam: The India, Iran, Afghanistan, South East Asia and Central Asia Context', Department of Persian, Gauhati University, Assam, 4-6 February 2010.

**Ms. V. Ramalakshmi:** 'Women and the Political Process in Japan' at the National Seminar on 'Japan's General Elections 2009', organized by the Department of East Asian Studies, 12 October 2009.

'Teaching Translation Techniques to Students' at the National Conference on 'East Asian Languages and Translation Techniques', organized by the Department of East Asian Studies, 29 March 2010.

**Dr. Madhavi Thampi:** Presented a paper on 'Indian soldiers and policemen in China in the Colonial Period', in Workshop on 'Indian and Chinese Immigrant Communities: A Comparative Perspective', at Nalanda - Sriwijaya Centre, Institute of South East Asian Studies, Singapore, 27-29 January 2010.

Presented paper on 'Indian traders in Xinjiang in the 19 and 20 centuries' for 3rd China-South Asia Forum, India International Centre, New Delhi, 6-8 December 2010.

**Dr. Abanti Bhattacharya:** 'China's Foreign Policy in the Era of Globalization', Seminar on 'Emerging Dominance of the Dragon in South Asia and India's Measures to Meet the Challenge', Headquarters 17 Mountain Division, Sikkim, Gangtok, 28-29 January 2010.

'China's Foreign Policy Choices and Security Strategy in East Asia', ORF Seminar Series on China III, 'China's Foreign Policy And Foreign Relations', New Delhi, 4-5 December 2009.

'Taiwan in China Studies in India', International Conference on 'Emerging China: Prospects for Partnership in Asia', Indian Council of World Affairs and Association of Asian Scholars, New Delhi, 21-23 November 2009.

**Dr. Ranjana Mukhopadhyay:** 'From 'Funeral Buddhism' to 'Engaged Buddhism': Understanding Engaged Buddhist Movements in the Japanese Context'. Panel Theme: 'Religious Initiatives and Social Activism in Contemporary Japan'. Annual Meeting of American Academy of Religion Montreal, Canada, 7--10 November 2009.

'Soteriology and Social Action: Textual Interpretation and Social Engagements of a Buddhist temple in Japan', International Conference on 'Buddhism in East Asia Traditions, Changes and Challenges', Department of East Asian Studies, 12-13 February 2010.

**Dr. Janardan Sahu:** Presented paper entitled 'Contemporary India-China Relations' at Graduate Institute of International Politics, National ChungHsing University, Taichung, Taiwan, 6 January 2010.

Participated and made a presentation on 'National Perspectives of China's Future Development,' at the Center for Security Studies, Institute of International Relations, Taipei, Taiwan, 24 December 2009.

**Dr. Shreeparna Roy:** 'Changing Perceptions: Networking Educational and Research Institutions', International Conference on 'Inter-regionalism between East Asia and SAARC: Challenges and Implications for the Future' at University of Delhi, 26-27 November 2009.

'Translating Classical Chinese Texts into English: A Challenge to Translators', National Conference on 'East Asian Languages and Translation Techniques', at University of Delhi, 29 March 2010.

'Language in Mainland China Today: Changes since the Establishment of the People's Republic and Challenges Ahead', National Conference on '60 Years of the PRC' at Institute of Chinese Studies, Delhi, 7 October 2009.

**Dr. Sandip Kumar Mishra:** 'Track II Diplomacy: East and South Asian Experiences', International Seminar organized by the University of Delhi on the theme 'Inter-regionalism between SAARC and East Asia', 26-27 November 2009.

'Old Ally and New Partner: A Triangular Relationship among South Korea, China and the US', International Conference organized by the Korean Political Science Association at Seoul, South Korea, on the theme 'Korea at the Crossroads', 20-22 August 2009.

'China in the Inter-Korean Relations and Changing East Asian Security Architecture', International Conference organized by International Society of Korean Studies at Fudan University, Shanghai, 27-28 August 2009.

'South Korea's North Korea Policy and Issue of Korean Identity', at the Sejong Institute, Seoul, Korea, 8 July 2009.

### **Publications**

**Ramalakshmi, V., Jain S. and Kyoko Suzuki et al. 2009.** *Sakura: Japanese for Class VIII* (2 parts). Delhi: The Japan Foundation in collaboration with CBSE.

**Ramalakshmi, V. 2009.** 'Merging of Words and Emotions: Works of Takenishi Hiroko'. In *Japan: The Living Culture*, (ed.) Suhama Jain, Delhi: Har-Anand Publications Ltd., pp. 53-57.

**Thampi, M.** *China and the Making of Bombay* (co-authored with Shalini Saksena). Mumbai: K.R. Cama Oriental Institute, 2009.

**Bhattacharya, A. 2010.** 'Chinese Discourse on Regionalism: What it means for India'. *Asia-Pacific Review*, 17(1): 96-122.

**2009.** 'The Chinese Diaspora in Southeast Asia: Chinese Nationalism Reinforced'. *Diaspora Studies*, 2(2): 119-42.

**2009.** 'Impressions of China Visit'. *Strategic Analysis*, 33(3): 191-95.

2009. 'Chinese Nationalism: A force to contend with'. Asian Security Conference, 26 October 26 October 2009, IDSA. <http://www.idsa.in/asc/opinion9.html>

2010. 'As China Prepares for post-Dalai Lama Tibet, What is India to do with the Tibetan Exiles?', *IDSAs Strategic Comment*, 25 March 2010. <http://www.idsa.in/>

2009. 'China's Inroads into Nepal: India's Concerns'. *IDSAs Strategic Comment*, 18 May 2009. <http://www.idsa.in/>

**Mukhopadhyaya, R. 2010.** 'Fuji Nichidatsu: Seiten Indo Kaikyo no Taiken' ('Fuji Nichidatsu: The Experience of Proselytizing in Western Paradise [India]'). In (ed. Masamichi Ogawara) *Kindai Nihon no Bukkyo: Ajia Taiken to Shiso no Benyo Buddhists of Modern Japan: Their Experiences of Asia and Ideological Transformation*. Tokyo, Japan: Keio University Publication. {in Japanese}

2009. 'Shakai Sanka Bukkyo: Ajia Bukkyoto no Shakaitekikodo soshite Nihon Bukkyo no Kanosei' (Engaged Buddhism: Social Activism of Buddhists in Asia and the Possibilities of Japanese Buddhists). *Gendai Shukyo (Contemporary Religion)* (Publication of Kokusai Shukyo Kenkyujo) Tokyo, Japan: Akiyama Shoten Publication. {in Japanese}

**Sahu, J. 2009.** 'XVII National Congress of the Communist Party of China with special emphasis on leadership change and new strategies', *Asia Pacific Panorama*, New Delhi, Vol. 48, No. 1 June 2009, pp. 8-27.

**Narsimhan, R. 2009.** One chapter titled 'Development of Japan's Education Culture' in Jain, Sushama (ed.), *Japan: The Living Culture*. New Delhi: Haranand Publications.

## GEOGRAPHY

### Major Activities

The Department traces its origin to October 1959. The Department acquired a name and a distinctive identity in India and abroad. The Department draws students from different parts of India as well as from abroad.

The Department has expanded considerably since 1973. The name of the Department was changed to the Department of Geography in 1976 to indicate the widening scope of teaching and research activity in physical and human aspects of Geography. The Department has evolved many new courses, which have been widely acclaimed as a frontier in Geography. The Faculty members undertake research projects from various agencies including University Grants Commission, Indian Council of Social Science Research, Council for Scientific and Industrial Research, Indo-Canadian Shastri Institute and Ministries of Govt. of India, which include Indian Space Research Organisation, Department of Science and Technology and Planning Commission.

### Ph.D./M.Phil. Degrees awarded

Ph.D.	-	4
M.Phil.	-	9

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Impact of urban sprawl on groundwater in Faridabad city.	Dr. S.C. Rai	DU
Remote Sensing – GIS based landslide inventory mapping and susceptibility zonation using Analytical Hierarchy Process in a Himalayan terrain.	Dr. Ashis Kumar Saha	DU

## Honours/Distinctions

**Dr. Barkatullah Khan:** Member, Editorial Board of *Journal of Ocean Studies*; Member, Editorial Board of Journal, *The Deccan Geographers* and Board of Research Studies, M.D. University, Rohtak.

All India Convenor, Geography, C.B.S.C.

**Dr. Ashis Kumar Saha:** German Academic Exchange Service (DAAD).

## Seminars/Conferences held

International Seminar 'Contextualizing Geographical Approaches to Studying Gender in Asia' in collaboration with IGU (International Geographical Union) and ANU (Australia National University).

## Seminars/Conferences attended

**Dr. R.B. Singh:** Indo-German Seminar at UNU, Bonn, Germany.

International Symposium at The University of Tokyo.

Coupled Human Environment (CHE), Kunming, China.

IGU Seminar at CMD PG College, Bilaspur.

IGU Seminar at Delhi University.

Indian Geography Congress at Jabalpur.

Indo-Korean Research Seminar at IIC, Delhi.

**Dr. Anu Kapur:** Disasters Development and People: A critical Review of Experiences from India at the Centre for Regional Studies, School of Social Sciences, University of Hyderabad.

Disaster Management, State Training Institute, All India Radio, Bhubaneswar.

Disaster Management, State Training Institute, All India Radio, Delhi.

Disaster Mitigation and Management: Past and Present, Satyawati College, University of Delhi.

**Dr. S.C. Rai:** A joint International Convention, 8th IAHS Scientific Assembly and 37th IAH Congress at Hyderabad.

National Association of Geographers, India, at Department of Geography, Rani Durgawati University, Jabalpur.

**Dr. Ashis Kumar Saha:** 2nd India Disaster Management Congress, Vigyan Bhawan, New Delhi.

**Mr. Kiran Bhairannavar:** Contextualizing Geographical Approaches to Studying Gender in Asia at University of Delhi.

### **Publications**

**Singh, R.B. and Mal, S. 2010.** *Environmental Change and Biodiversity*. Jabalpur: Rawat Publication.

**Panwar, M., Sharma, S.K. and Singh, R.B. 2010.** *Medicinal Plants and Sustainable Livelihood*. New Delhi: R.K. Books.

**Himiyama, Y., Singh, R.B., Kanda, F. and Hindson, J. (eds). 2010.** *Global Environmental Education*. Jaipur: Rawat Publication.

**Singh, R.B. 2009.** 'Integrated water Resources Management in the Vulnerable Indian Environment'. *IAHS Pub.*, 330: 187-93.

**2010.** 'Land Use Environment and Development in the Uttarakhand Himalayas, India'. In *Towards Sustainable Land Use in Asia* (ed. Himiyama, Y.), *SLUAS Science Report 2010*: 47-64. Hokkaido University of Education. Asahikwa.

**2010.** 'Designing and Shaping Global to Local Environmental Education: The Indian Experience'. In *Global Environmental Education* (eds. Himiyama, Y. et. al.), Jaipur: Rawat Publications, pp. 62-80.

**Singh, R.B., Mal, S. and kala, C.P. 2009.** 'Community Response to Mountain Tourism- A Case in Bhyundar Valley, Indian Himalay'. *Journal of Mountain Science*, 6(4): 394-404.

**Kapur, A. 2009.** *On Disasters in India*. New Delhi: Cambridge University Press.

**2010.** *Vulnerable India: A Geographical Study of Disasters*. New Delhi: Sage India.

**Rai, S.C. 2009.** *Land Use and Climate Change*. New York, USA: Nova Science Publishers Inc.

**Kaur, M. and Rai, S.C. 2009.** 'Impact of land Use/cover change on human health in the state of Punjab, India'. *Pakistan Geographical Journal*, 63(1): 41-54, Pakistan.

**Rai, S.C. and Dubey, A. 2009.** 'Impact of land Use change on groundwater quality in the Indo-Gangetic Plains, India'. In: *Improving Integrated Surface and Ground Water*



*Resources Management in a Vulnerable and Changing World* (eds. Gunter Blochl, Nick Van De Giesen, D. Muralidharan, Liliang Ren, Frederique Seyler, Uttam Sharma and Jaroslav Vrba). IAHS Publication, pp. 130-35.

**Arora, M.K., Saha, A.K., Gupta, P. and Gupta, R.P. 2009.** 'Landslide safe Intelligent Route Finder for mountains terrain in GIS environment'. In *Terrestrial Mass Movements* (eds. Pradhan, B., Buchroithner, M. and Lee, S.). under Peer-Review, Springer.

## POLITICAL SCIENCE

### Major Activities

After carrying out a review of the activities of the Department by a specially appointed Committee, UOC has awarded the status of 'Centre of Advanced Studies' (CAS) to the Department initiated from the academic year 2010-11.

### Ph.D./M.Phil. Degrees awarded

Ph.D.	-	7
M.Phil.	-	25

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Federation in South Asia: A Comparative Study of India and Pakistan.	Dr. Veena Kukreja	UGC
Mapping Social Exclusion and Rights of Representation: A Study of Student's Union Body In Central Universities of India.	Dr. N. Sukumar	UGC

### Appointment of faculty member to higher Posts/Assignments

**Dr. Satyajit Singh:** Joined Ambedkar University, Delhi, as Professor and Dean of School of Development Studies

### Honours/Distinctions

Swami Prabhananda Award extended to Prof. Chandhoke for her outstanding contribution in the field of Political Science.

## **Seminars/ Conferences attended**

**Prof. Achin Vanaik:** Invited by the World Forum on Democratization in Asia (WFDA) to make a presentation on 'Sustaining Democratization in Asia: Challenges of Economic and Social Justice' in the plenary of their International Conference in Seoul, South Korea, in September 2009.

Presented a paper on 'India and Global Nuclear Disarmament', invited by the Nagasaki Global Citizens Assembly, Japan, 5-9 February 2010.

**Prof. Neera Chandhoke:** 'Global Justice', workshop on Cosmopolitanism, Sociology Department, University of Warwick, July 2009.

Special Lecture, 'Secession in the Post Colonial World' Centre for Ethics and Global Politics', Luiss, University, Rome, Italy, June 2009.

Concluding Address, 'Civil Society in Conflict Cities', SHUR Conference, Centre for Ethics and Global Politics, Luiss University, Rome, Italy, June 2009.

'What sort of a right is the right to secede?', International College University Turin, June 2009.

Inaugural Address, 'What are the Preconditions of Civil Society?' Conference on 'Beyond Good Governance', Brown University, Rhode Island, USA, May 2009.

**Dr. Rekha Saxena:** Invited Resource Person to speak on 'The Role of the Second Chambers' in a workshop organized for the Constituent Assembly Members of Nepal in Delhi on 4 December 2009.

## **Publications**

### **Books**

**Vanaik, A. 2010.** *Understanding Contemporary India: Critical Perspectives*. New Delhi: Orient Blackswan.

**Chandhoke, N. 2009.** *Contemporary India Edited*, Pearsons, Praveen Priyadarshi.

**Chakrabarty, B. 2009.** *Maoism in India: Changing contour of the red corridor*. London and New York: Routledge.

2009, *Modern Indian political thought: Text and context*. New Delhi & Thousand Oaks: Sage.

**Singh, U.K. (ed.). 2009.** *Human Rights and Peace: Ideas, Laws, Institutions and Movements*. Delhi: Sage.

**Behera, N.C. 2009.** *Facing Global Environmental Change: Environment, Human, Energy, Food, Health and Water Security Concepts* (Vol. II), Heidelberg: Springer Verlag.

**2009.** 'India the Superpower', *Europa World Year Book 2009*. UK: Routledge Publishers.

**2009.** 'Regional And Global Nuclear Disarmament: Going Beyond the NPT', *EPW*.

- 2009.** 'Misconceiving Asia', *New Left Review*.
- 2010.** 'Building a Nuclear Disarmament Movement: Learning Lessons Since 1998', In *Bridging Partition: People's Initiative for Peace Between India and Pakistan*. New Delhi: Orient Black Swan.
- 2010.** 'Some Reflections On the notion of an 'inclusive political pact': A perspective from Ahmedabad', [www.crisisstates.com](http://www.crisisstates.com) (W.P 71, Series 2, March).
- 2009.** 'Civil Society in Conflict Cities: The case of Ahmedabad', [www.crisisstates.com](http://www.crisisstates.com) (W.P 64, series 2, November).
2009. 'What is the Relationship Between Participation and Representation?' in Olle Tornquist, Neil Webster and Kristian Stokke (eds), *Rethinking Popular Representation*. New York: Palgrave Macmillan, pp. 24-38.
2009. 'Why Should People Not Be Poor?' in Thomas Pogge (edited), *Freedom from Poverty as a Human Right*, series editor Pierre Sané. Paris: UNESCO.
2009. 'Equality for What? Or the troublesome relation Between Egalitarianism and Respect' in Gopal Guru (edited), *Humiliation: Claims and Contexts*. New Delhi: Oxford University Press, pp. 140-62.
2009. 'Civil Society in Conflict Cities', *Economic and Political Weekly*, XLIV(44): 99-108, 31 October.
2009. 'Participation, Representation, and Democracy in Contemporary India', *American Behavioural Scientist*, 52(6): 807-25 DOI 10.1177/0002764208327660.
2010. 'Constitutionalising Difference: The Indian Experiment' in Achin Vanaik and Rajeev Bhargava (eds), *Contemporary India: Critical Perspectives*. New Delhi: Orient Blackswan.
- 2010.** 'Classical Conception of Citizenship', in Ashok Acharya (ed.), *Citizenship in a Globalizing World*. New Delhi: Pearson.

## SOCIOLOGY

### Major Activities

The Department has consolidated its teaching curriculum by re-structuring both the M.A. and M.Phil. courses. At the master's level, we have increased the number of elective courses, added newer areas of teaching, and also restructured core syllabi. At the M.Phil. level, we have streamlined the courses and included a number of new electives and themes, increasing the possibility for students to explore their research interests in depth.

Continuing our emphasis on a rigorous research culture, we have successfully had another research students' workshop where both new and advanced research students presented their ongoing work.

In addition, we have held two national/international conferences in the Department and faculty have also organized major conferences in the University and in the city.

The Faculty has also initiated several research projects, individually or in collaboration with universities in India and abroad. They have presented their ongoing work in a large number of national and international conferences and institutions, both In India and abroad. Several books and articles have also been published.

#### **Ph.D. Degrees awarded**

Ph.D.	-	2
M.Phil.	-	3

#### **Research Schemes/Projects**

**Atluri Tara:** Making Maps for Social Change. An activist/arts-based initiative run through the Centre for Information Studies and Khoj International Arts Foundation, Delhi.

**Yasmeen Arif:** Organizer and Participant in the 'Frames of Violence' Project, Consortium of Asian Studies, University of Minnesota (Twin Cities), USA. Available at <http://www.framesofviolence.org>

**Rita Brara, Roma Chatterji, Deepak Mehta, Rajni Palriwala, Rabindra Ray, Meenakshi Thapan:** The European Studies Programme, a project to develop fieldwork-based research and pedagogy on continental Europe, funded by the EU. The inaugural workshop was held on 28-30 January and two working papers have been brought out.

**Tulsi Patel:** Undesired Daughters: The Paradox of Modern India, in collaboration with Neelambar Hatti from the University of Lund, Sweden.

Rising Caesarian Section Births, R&D, Delhi University.

**Radhakrishna Meena:** Urban and Forest Nomadic Tribes: Contemporary issues and concerns, research project funded by DU.

**Meenakshi Thapan:** Conducted fieldwork (with two M.A. final year students of the Department of Sociology) in a school for girls run by a Muslim Trust in Ahmedabad as part of an ongoing *The Schools Project*, funded by the Annual Delhi University R&D Grant.

Data collection through a survey for students in selected undergraduate colleges and universities in Chennai, Bangalore, Pondicherry and Delhi for work package II on *Mental Maps of the World*. Part of the EUFP 7 project on Euro Broadmap.

Fieldwork with potential transnational migrants in Delhi and Pondicherry (ongoing) for EU FP7 project on Euro Broadmap work package 3, *Migrants and Borders*.

**Sudha Vasan:** 'Nation at the margins: Nationalism, ethnicity and development'. Research project funded by DU. Fieldwork was conducted in Ladakh and Delhi in 2009 and continues in 2010. Collaborative Research Project with the University of Oslo, Norway.

The Department is collaborating with the Centre for Environment and Development, University of Oslo, Norway, on the research project on 'Explaining Differential Immunization Coverage in India and Malawi'. This project offers a Ph.D. fellowship for a four-year period. Dr. Arima Mishra is the Principal Investigator for this project.

### **New Additions**

Dr. Yasmeen Arif - Associate Professor  
Dr. Janaki Abraham - Associate Professor  
Kamei Aphun - Assistant Professor

### **Seminars/Conferences held**

'Undesired Daughters: the Paradox of Modern India' was organized by Tulsi Patel in collaboration with Neelambar Hatti from the University of Lund, Sweden, India International Centre, New Delhi, 12-13 February 2010.

Workshop on 'Civilians and Citizenship: Ethnographic and Political Economy Perspectives on Civil War in South Asia'. The workshop was jointly organized by Nandini Sundar at the Sociology Department, Delhi University, and Aparna Sundar at the Department of Politics, Ryerson University, Toronto, and funded by the Wenner Gren Foundation, New York, Delhi University, and the CAS programme within the Department of Sociology, 18-20 February 2010.

'Marginalities', Speakers from various institutions presented theoretical and empirical concerns related to Dalit, Adivasi, homosexual, disabled, women, religious minorities, peripheral and informal sector labourers were presented and discussed in this two-day workshop, 25-26 March 2010.

### **Seminars/Conferences attended**

**Janaki Abraham:** Made presentations in the sessions on 'Engendering Sociology: Institutional, Curricular and Pedagogical Issues' in the regional and national level workshops on 'Engendering Disciplines' organized by Krantijyoti Savitribai Phule Women's Studies Centre, University of Pune, 18-19 November 2009.

**Roma Chatterji:** Presentation on 'Folklore Representations and Patua Identity' at Minority Cultures at Centre of Social Sciences, Calcutta, 27-30 June 2009.

Spoke on 'Manasa in Patua Art' at a meeting of the Global Women's Association, 19 February 2010.

Spoke on 'Patua Art and the Graphic Novel' at the Bengal Studies Congress.

**Radhika Chopra:** 'Transitions to illegality: Transnational migrations and labouring men', International workshop on 'Gendering Neoliberal Life worlds', Institute for Gender and Women's Studies, American University in Cairo, 19-22 May 2009.

Presentation on 'Commemorating Hurt. After 1984?' Sikh Studies Conference, University of California, Berkeley, 12 September 2009.

**Satish Deshpande:** Plenary Paper: 'Class and its Colleagues in the Complex 21st Century: A View From India', in the Conference on 'Comprehending Class', Centre for Social Research, University of Johannesburg, Johannesburg, 24 June 2009.

Keynote Address 'Sharing Sovereignty: Negotiating Inequality and Difference in Post National Societies', XV Annual Congress of the South African Sociological Association, University of the Witwatersrand, Johannesburg, 28 June 2009.

Keynote paper on 'Outside Capital, Inside the City? Theorizing the Possible Futures of Urban India' in the Workshop titled 'Opening Up or Ushering In? Interrogating Discourses of Public Consultation and Citizen Participation (PC and CP) in Urban Governance' Madras Institute of Development Studies and French Institute, Puducheri, Puducheri, 25-26 July, 2009.

Presented paper on 'The Social Sciences in Postnational Contexts: A View From India' in Seminar on 'The Social Sciences in the Contemporary World: Revisions and Prospects', Institute of Social Sciences, University of Brasilia, Brazil, 22-25 September 2009.

Presentation on 'Empirical Injustice, Practical Politics and Theoretical Justice' in International Seminar on 'Inequality and Affirmative Action' at the Centre for the Study of Political Systems, JNU, Indian Institute of Dalit Studies, Delhi, and the British Academy, 9 November 2009.

Paper on 'Aukaat, Jugaad aur Sanskar: Samakaleen Jati Vishamta aur Samajik Nyaya ka Sawaal' (in Hindi), in National Seminar on 'Repositioning Subalternity in Globalized India: The Dynamics of Social Inclusion', Centre for the Study of Social Exclusion and Inclusive Policy, Banaras Hindu University, Varanasi, 19-21 November 2009.

Presentation on 'Social Dimensions of Higher Education: Inclusion and Inequality' in Joint seminar by ICSSR and Maison Des Sciences De L'Homme, Paris, on 'Challenges in Public Higher Education: An Interdisciplinary Perspective' at ICSSR, 21-22 December 2009.

Presentation on 'Sharing Sovereignty in Postnational Contexts' in National Seminar on 'Dr. Babasaheb Ambedkar and Dalit Politics Today' at CSSEIP and Ambedkar Study Centre, Mangalore University, 5 February 2010.

**Deepak Mehta:** 'Self-Dissolution, Politics and the Work of Affect: The Life and Death of Sufi Baba', Workshop on 'Religion/Politics: Sexuality/Affect', Johns Hopkins University, USA, 19 September 2009.

'Naming Conversion: Being Muslim in Old Delhi', Colloquium presentation, Department of Anthropology, Johns Hopkins University, USA, 21 September 2009.

**Arima Mishra:** 'Media Narratives of Health: A Discourse Analysis', presented at the Discourse Reading Group seminar, Glasgow Caledonian University, UK, 25 March 2009.

'Pranayam works! The rhetoric of science and efficacy in a contemporary healing system in India', presented at the weekly seminar of the Centre for South Asian Studies, University of Edinburgh, 30 April 2009.

'Is this healthy?: Situating anxiety in the everyday practices of health care in India', presented at the Panel of Health Systems in South Asia and Diaspora at the British Sociological Association for South Asian Studies Conference, 30-31 March 2009 and also at a Special Seminar in the Department of Social Medicine, University of Bristol, UK, 11 May 2009.

'Making sense of illness: Listening to stories of illness among cardiac patients in India', presented at the weekly seminar of the Institute for Advanced Studies in Humanities, University of Edinburgh, UK, 13 May 2009.

'Community Perceptions of illness and prevention: Analytical Entry Points' presented at the workshop on 'Assessing Immunization Coverage in India and Malawi', University of Oslo, Norway, 26-28 November 2009.

**Rajni Palriwala:** 'State, Market, Family: The Care Regime in India', IHC – ISST Gender Policy Forum, India Habitat Centre, May 2009.

'Caught between a rock and a hard place: The risks of passion and the security of the mundane' at an International workshop on 'The Politics of Passion', at the University of Potsdam, July 2009.

'The other side of diversity or cultural pluralism is as patriarchy does', presented at the 3rd NRCT – ICSSR Joint Seminar on 'Cultural Pluralism and Diversity in Contemporary Asian Societies', held at Chainman, Thailand, August 2009. Another version of this paper was presented at the 35th All India Sociological Conference, Research Committee 03: Economy, Polity and Society, the University of Kashmir, Srinagar, October 2009.

'Gendered familiarise, social policy, and child care in India' at the Symposium on 'Political Economy of Care in Asian Societies' held as part of the Kyoto University GCOE Symposium 'Family and Intimacy in Asia', November 2009.

'Mapping the care diamond in India' at a workshop entitled, 'Who Cares for the Child? Gender and the Care Regime in India' on 7-9 December 2009 with ISST and UNICEF.

'Conceptual Concerns in Care' at a workshop entitled, 'Who Cares for the Child? Gender and the Care Regime in India' on 7-9 December 2009 with ISST and UNICEF.

Conducted a workshop on developing a research design for a study on the sex ratio and on Qualitative Methods in Social Science Research, in December 2009 at the BRAC Development Institute, BRAC University, and Dhaka, Bangladesh.

'Love, care, and relatedness', a research proposal at the inaugural workshop of the European Studies Programme, at Delhi University, January 2009.

**Tulsi Patel:** Presented a paper on 'Gender, Development and Reproductive Rights' Development Studies, University of Davis, USA, 14 May 2009.

Presented paper on 'Gender, Family and the Hindu way of Life', in a Seminar on 'Gender, Development and Reproductive Rights', at the First Congregational Church of Berkeley, 13 May 2009.

'Family, Marriage and Gender: A Perspective on the Middle class, Bollywood and Soaps', Gender Studies, University of Davis, USA, 14 May 2009.

'Whatever happened to worshipping the virgin goddess: Female foeticides in India', Centre for Global Studies, University of California, Santa Barbara, 19 May 2009.

'Evading laws against Sex Selective Abortion in India', Department of Social and Behavioural Sciences, University of California, San Francisco, 10 September 2009.

Co-panelist on 'The Legacy of Son Preference and Daughter Discrimination', at the Centre for South Asian Studies, University of California, Berkeley, 16 September 2009.

Presented a paper on 'Marriage and Ritual Transformation' at the International Conference on 'Ritual Transformation', University of Heidelberg, Germany, 28 September to 2 October 2009.

'Situating familial practice of child sex preference in Delhi', at the workshop on 'Undesired Daughters: The paradox of modern India' at India International Centre, New Delhi, 12-13 February, as a research collaboration with University of Lund and Delhi University.

**Radhakrishna, Meena:** 'Revisiting the 'Criminal Tribes of India' under South Asia Colloquium's themed occasional series called 'Classicism/Anti-Classicism', Department of South Asia Studies, University of Pennsylvania, 23 April 2009.

Distinguished Lecture Series, lecture entitled 'Tribes of the criminal kind, Tribes of the criminal mind...Denotified Communities and State Policy in India' at the South Asia Institute, Columbia University, New York, 27 April 2009.

'The Hunter and the Hunted: Nomadic Communities and Indian Conservation Strategies' at an International Conference on 'Terrestrial Environments and their Histories in Modern India', 1-2 May 2009, organized by South Asian Studies Council and the MacMillan Centre, Anthropology Department, Yale University, 2 May 2009.

'Social Exclusion of Denotified Tribes: Historical Context and Democratic Response' in a seminar on 'Increasing Dalits-Stake and Space in Economy and Civil Society', organized by **National Confederation of Dalit Organizations (NACDOR)**, Community Centre, Nehru Vihar, Delhi, 19 June 2009.

'Human Rights violations, Tag of Criminality: Engaging with Ministry of Social Justice and Empowerment' in 'Chalking Out a Road Map For Intervention On Issues And Concerns Of Nt-Dnt Communities', organized by Econet, IIC, New Delhi, 18 July 2009.



'The Marginalized among the Marginalized' in Specialist Conference on 'Assessing the Marginalisation of Dalits in Economy and Private Sector' organized by National Confederation of Dalit Organizations (NACDOR), India International Centre, New Delhi, 10-11 August 2009.

'Thought for Food: Primitive Tribal Groups and Starvation Deaths' in an International Seminar on 'Adivasi/ST Communities in India: Development And Change', organized by Institute for Human Development (IHD), New Delhi, and supported by the Planning Commission, Government of India, International Fund for Agricultural Development (IFAD) and UNICEF, 27 August 2009.

'Perceptions, Policies and Practices: Hunting Communities as "Criminal Tribes"' in an International Workshop entitled 'Livelihoods and the Environment: Debating Interdisciplinary perspectives', organized by the Centre for Studies in Science Policy (JNU), Department of History (Delhi University) and the Department of History (Uppsala University), JNU, New Delhi, 16 October 2009.

Kunda Datar Memorial Lecture, 'Invented Pasts and Fabricated Presents' Kale Auditorium, Gokhale Institute of Politics and Economics, Pune, 9 December 2009.

**Rabindra Ray:** 'Sexual Asymmetry and Complementarity: Limits of the Discourse on Gender and Equality' at the Ethnographic and Folk Culture Society Conference in Lucknow, March 2009.

**Nandini Sundar:** 'Citizenship in a Looking Glass World' presented at the Conference on 'Citizenship', Max Planck Institute, Halle, at the University of Texas, Austin, 8 April 2009 and Cornell University, Ithaca, 27 April 2009.

'Civil War in Central India', at the AID Conference, Duke University, 23-25 May 2009.

'The Rule of Law and Citizenship Struggles: Law-making and law-breaking', Conference on 'Citizenship, Rule of Law and Civil Society', Aberdeen University, 24-26 August 2009.

'Counter Insurgency and Grouping: Experiences from India'. Boreas Conference, Rovaniemi, Finland, 28-30 October.

**Meenakhi Thapan:** 'The Body as a Weapon: Embodiment, Womanhood and Identity in Contemporary India' at the Department of Sociology, Kyoto University, Japan, 16 December 2009, under the auspices of the Global COE programme for 'Reconstruction of the Intimate and Public Spheres in 21st Century Asia'.

'Embodiment, Work and Identity: Womanhood in Contemporary India' at the Hyogo University of Teacher Education, Japan, 18 December 2009.

Organized International Symposium on 'Being Alive to Responsible Citizenship: J. Krishnamurti and the Challenge for Education' at Delhi University, 4-6 February 2010.

Presentation of broad conclusions from Indian data in the meeting of the EU FP7 project on 'EuroBroadMap, work package 2 on Mental Maps of the World' at the University of Rouen, France, 24-26 February 2010.

**Sudha Vasan:** 'Democratic decision making in climate change: Avoiding the delusion of local participation', presented paper at National Conference on 'Forestry Solutions: Strategies for Mitigation and Adaptation of the Impacts of Climate Change in the Western Himalyan States'. Shimla, 19-21 November 2009.

**Xaxa, Virginius:** Presentation on 'Tribe and Middle Class' at a seminar on 'Middle Class' at ICSSR Regional Centre, Mumbai, June 2009.

Made a presentation on 'Status of Development and Change in Tribal Society' at an International Seminar on 'Development and Change in Tribal Society' held at IIC, New Delhi, 27-29 August 2009.

Presentation on 'Social Exclusion and Subaltern' at a National Seminar on 'Subalternity and Social Exclusion' held at Banaras Hindu University, Varanasi, 19-21 November 2009.

'Modernization and Tradition' at a National Seminar on 'Modernity and Tradition of Tribal Society' held at KRITADAS, Kozhikode, 16-18 December.

Gave Valedictory Address at a National Seminar on 'Tribal Health' at Tribal Research Institute, Bhopal.

### **Publications**

**Brara, R. 2009.** 'Why a cousin becomes a spouse: Elementary, says Levi-Strauss: A Tribute to Claude Levi-Strauss from India and Vistas of the Road Ahead', *Asian Journal of Women's Studies*, 15(2): 62-86.

**Chatterji, R. 2009.** *Writing Identities. Folklore and the Performing Arts of Purulia*, IGNC and Aryan, Delhi.

2009. 'Of Coconuts, Heads and Circles.' In Jain, P. (ed.), *Magic Makers. Folk and tribal art from the collection of Arpana Cau*, Delhi: Academy of Fine Arts and Literature, pp. 110-20.

**2009.** 'Global Events and Local Narratives: 9/11 and the Picture Storytellers of Bengal', *Indian Folklore Research Journal*, December 2009, (9): 1-26.

**Chopra, R. 2009.** 'Lives in Dialogue: Discourses of Masculinity in India', *Indian Journal of Human Development*, Institute for Human Development, New Delhi.

**Deshpande, S. 2009.** 'The Moral Meanings of Majorities', in *Seminar*, n. 602: 20-24.

2009. 'Inclusion vs. Excellence: Caste and the Framing of Fair Access in Indian Higher Education', *South African Review of Sociology*, 40(1): 127-47.

**Cybil, K.V. 2009.** 'Defining Untouchability in Relation to the Body', *Economic and Political Weekly*, Vol. 51, 19 December.

- Mehta, D. 2009.** 'Words That Wound: Archiving Hate in the Making of Hindu-Indian and Muslim-Pakistani Publics in Bombay', in Naveeda Khan (ed.), *Beyond Crisis: Re-evaluating Pakistan*. New York: Routledge.
- Mishra, A. 2009.** 'Studying cultural synthesis: Evidence from a boarder village in South Orissa', *Lokaratna* (Journal of the Folklore Foundation), 2(2): 1-14.
- Palriwala, R. 2009.** (with Mary E. John, Ravinder Kaur, Saraswati Raju), 'Dispensing with Daughters: Technology, Society, Economy in North India', *Economic and Political Weekly* 44(15): 16-9.
- 2009.** 'The Spider's Web: Seeing dowry, fighting dowry', In T. Bradley, E. Tomalin and M. Subramaniam (eds), *Dowry: Bridging the Gap between Theory and Practice*. New Delhi: Women Unlimited.
- 2010.** 'The Anti-Dowry Movement in Delhi', In Oommen, T.K. (ed.), *Social Movements II: Concerns of Equity and Security*, Oxford in India Readings in Sociology and Social Anthropology. New Delhi: Oxford University Press.
- 2010.** 'Gendering Sociological Practice: A Case Study of Teaching in the University', In A. Baviskar and Tulsi Patel (eds), *Understanding Indian Society-Past and Present: Essays in Honour of A.M. Shah*. New Delhi, Orient Blackswan.
- Patel, T. 2009.** 'Risky Lives: Indian girls caught between individual rationality and public good', In Hatti, N. and Sekhar, T.V. (eds), *Unwanted Daughters: Gender Discrimination in Modern India*. Delhi: Rawat.
- 2010.** Edited with B.S. Baviskar, *Understanding Indian Society: Past and Present*. Delhi: Orient Blackswan.
- 2010.** With B.S. Baviskar. 'Introduction'. In Baviskar, B.S. and Patel, T. (eds), *Understanding Indian Society: Past and Present*. Delhi: Orient Blackswan.
- 2010.** 'Rosy dreams and fearful hearts: Life of Muslim rural women in Bangladesh', in Baviskar, B.S. and Patel, T. (eds), *Understanding Indian Society: Past and Present*. Delhi: Orient Blackswan.
- 2010.** 'The power in ritual in marriage', In Brosius, C. and Husken, U. (eds), *Ritual Matters*. Delhi: Taylor and Francis.
- R, Meena. 2009.** 'Starvation among Primitive Tribal Groups', *Economic and Political Weekly*, Vol. XLIV (18), May 2.
- Aitihasic Nalbandi* (in Marathi), A compilation of recent research papers translated from English. Econet, Pune, released by Centre for Study of Social Discrimination, Gokhale Institute of Politics and Economics, December 2009.
- Sundar, N. 2009.** *Legal Grounds: Natural Resources, Identity and the Law in Jharkhand*. New Delhi: Oxford University Press.

- Thapan, M.** 2009. *Living the Body. Embodiment, Womanhood and Identity in Contemporary India*. New Delhi: Sage Publications.
- 2009.** 'Youth Cultures and the Making of Citizens', in *Economic and Political Weekly*, (May 2-8), 44(18): 10-13.
- 2010.** 'Imagining Citizenship: Being Muslim, Becoming Citizens in Ahmedabad', In *Economic and Political Weekly of India*, (January 16), 45(3): 45-50.
- 2010.** (with Deka, M.) *South Asian Migrants in Europe: Heterogeneity, Multiplicity and the Overcoming of Difference*. Working Paper Series, 2010, European Studies Programme, Delhi University, 2010.
- Vasan, S.** 2009. 'Forest, Ideology and Practice' in Nandini Sundar (ed.) *Legal Grounds: Natural Resources, Identity and the Law in Jharkhand*. New Delhi: Oxford University Press.
- Xaxa, V.** 2009. 'Tribes, Conversion and the Sangh Parivar', In Kumar, D. and Yemuna Sunny (eds), *The Proselytisation in India: The Process of Hinduisation in Tribal Societies*. Bhopal: Aaker Books.
2009. 'Tribal Identity and Cultural Changes: Aspects of Exclusion and Inclusion', In Singh, Y. (ed.), Vol. XIV, Part 2: *Social Sciences: Communication, Anthropology and Sociology*, as part of the study on 'History of Sciences, Philosophy and Culture in Indian Civilization', (General Editor- D.P. Chattopadhyaya).
2009. 'Tribes and poverty discourse', In *Global Civil Society 2009, poverty and activism*'. New Delhi: Sage Publications.

## SOCIAL WORK

### Major Activities

The Department of Social Work (earlier known as the Delhi School of Social Work) was established in the year 1946 at Lucknow by the YWCA. It was then known as the National YWCA School of Social Work. The Department is presently executing an innovative action project UDAI-II in the flood affected villages of Bihar (2009, and on going). DSSW has again been ranked 2nd among the top 15 professional colleges for Social Work in the country in a survey conducted by *Outlook GFK Mode*.

The Department has introduced a semester-based system with a revised syllabus from this academic session. Despite more than full-time engagement of our faculty members, they have devoted extra time in research and action projects. While 13 research projects were completed by faculty members this year, they are presently engaged in completing 13 more research projects. These projects are supported by agencies like the Delhi Government, Ministry of Social Justice and Empowerment, Planning Commission, ILO, Mission Convergence, NACO, R&D division of the University of Delhi, and national and international

NGOs. The Department has responded to the call of Kosi flood victims from Bihar and executed a long-term relief and rehabilitation project named UDAI-II (University for Development and Action and Integrated Learning).

### **Ph.D. Degrees awarded**

Ph.D.	-	2
M.Phil.	-	2

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Need assesment study for child help line services in Ghaziabad, Faridabad & Noida.	Prof. Sanjai Bhatt	Child Line Foundation, Mumbai and Noida.
Impact assessment of Rashtriya Swasthya Bima Yojana in Haryana.	Prof. Sanjai Bhatt	Department of Labour & Employment, Govt. of Haryana
Exit to Impact: Evaluation of sustainable health intervention by effective community action.	Prof. Sanjai Bhatt	NEEDs, Deoghar, Jharkhand and Miseror
Social workintervention with adolescents, developing module for better school adjustment.	Prof. Sushma Batra	R&D
Due diligence process for the CII Women Exemplar Award 2010.	Dr. Manoj K. Jha	Confederation of Indian Industries
Images of welfare: An assessment study of the welfare programmes and services.	Dr. Pamela Singla	R&D
Assessment of girls' education Programme of Room to Read at Delhi and Uttaranchal.	Dr. A. Malathi	Room to Read, Delhi
A study on contributions of the elderly in social life in two contrasting neighbourhoods of Delhi.	Dr. Archana Kaushik	R&D
Corporate Social Responsibility in India: Identifying linkages between theory practice.	Dr. Seema Sharma	R&D

National evaluation study of Indira Awas Yojana. Dr. A. Shahin Sultana Planning Commission

National study on aspirations of Muslim young women. Ms. Ghazala Jamil Action Aid India and Bharatiya Muslim Mahila Aandolan

### **New Additions**

Ms. Shashi Rani - Assistant Professor

### **Appointments of faculty members to higher Posts/Assignments**

**Prof. Sanjai Bhatt:** Member Advisory Board for the Control and Eradication of Leprosy and Rehabilitation of Leprosy affected Person, Govt. of NCT of Delhi, Department of Social Welfare, Delhi; Member, Standing Committee on Police Research, Bureau of Police Research and Development, Govt. of India, Ministry of Home Affairs, New Delhi; Member, Selection Board for members of various committee juvenile justice care and protection of children; Member, Governing and Advisory Board NTPC Foundation, Delhi; Member, Board of Governors, Lala Ram Swarup, Institute for T.B.; Member, Peer, Team to TISS Mumbai; National Assesment and Accreditation Council, Bangalore; Member, Board of Studies in Social Work at Kurukshetra University, Aligarh Muslim University, B.R. Ambedkar University, Agra, H.P. University, Shimla; and Board Member, School of Social Work, IGNOU, New Delhi.

Treasurer, National Association of Professional Social Workers in India.

**Prof. Sushma Batra:** Member, Board of the Governing Body of the Madras School of Social Work, Autonomous, Chennai.

**Dr. Manoj K. Jha:** Member, Research Council, TISS, Mumbai, and Member, BRS, School of Planning and Architecture, Delhi.

**Dr. Neera Agnimitra:** Secretary, Delhi School of Social Work Society.

Member, National Association of Professional Social Workers in India; Member, Executive Committee, Delhi Society for Promotion of Rational Use of Drugs; Member, Board of Studies, Department of Regional and Urban Planning, School of Planning and Architecture, New Delhi; Member, National Selection Panel for Ford Foundation International Fellowship Program, 2009; Expert and Academic Counsellor, Community Development, Ford Foundation International Fellowship Program; Member, Editorial Advisory Board, Centre for Management Research and Development *Journal of Management Research* (CJMR), Pune; and Member, Board of Research Studies for Social Sciences, Delhi University.

Hon. Director, Centre for Community Development and Action, Department of Social Work, University of Delhi, and Project Director, Gender Resource Centre.

Visiting Faculty, Department of Regional and Urban Planning, School of Planning and Architecture, New Delhi.

Visiting Faculty, CAPART Institute for Poverty Alleviation and Rural Technology, Ministry of Rural Development, Govt. of India.

**Dr. Pamela Singla:** Member, Delhi School of Social Work Society; Member, Advisory Board, All India Women's Conference (Helpline); Member, Advisory Board, Self Employed Women's Association, Delhi; and Member, Delhi University Women's Association.

**Dr. A. Shahin Sultana:** Member, Delhi School of Social Work Society; Member, Professional Social Workers Association, Chennai; Member, Tamil Sangam, Delhi; Sub Committee Member, Harijan Sevak Sangh, Delhi; Member, Association for Writers and Illustrators for Children, Delhi; Member, Association for Early Childhood Education and Development, Mumbai; Member, Editorial Board, *Journal of School Social Work*, Chennai; and Member, Editorial Board, *Women's Link*, Delhi.

**Dr. Archana Kaushik:** Life member, National Association for Professional Social Workers (NAPSWI).

**Dr. A. Malathi:** Associate Member, IIPA, New Delhi, and Member, Delhi School of Social Work Society.

**Dr. Seema Sharma and Ms. Nemthianngai Guite:** Life member, Indian Public Health Association; Life member, Indian Association for Preventive and Social Medicine; and Life member, National Association for Professional Social Workers.

**Ms. Shashi Rani:** Regional Member of consultative committee of DFID Poorest Area Civil Society Programme 2009-2014.

Life member of National Association of Professional Social Workers in India (NAPSWI).

#### **Seminars/Conferences attended**

**Dr. A. Malathi:** Attended Conference on National Consultation on Right to Education, 6-7 November 2009.

#### **Publications**

**Bhatt, S. 2010.** *Patterns of Mobility, Migration and HIV Risk in India*, co-authored with Akash Gulalia and G.V.L. Narshimha Rao. New Delhi: Mohit Publication.

**Batra, S.** *Nurturing Practicum: Common Manifesto for Social Work Practice*, Batra, S. and Agnimitra, N. (ed). Delhi University: Department of Social Work.

'Role of Social Worker in Community Based Rehabilitation Services for dissolved in India' by Batra, S. and Agnimitra, N., *Journal of Rehabilitation Council of India*, Vol. (4), No. 1&2.

**Jha, M.K. 2009.** *Riots as Rituals*. Delhi: Manak.

2009. *In Opposition to Silence* (Co-edited), Delhi: Alternotes Press.

**Agnimitra, N.** *Nurturing Practicum: Common Manifesto for Social Work Practice* (Co-Edited). Delhi University: Department of Special Assistance, Department of Social Work.

**Singla, P. 2010.** 'Women's Rights and Gender based Violence in India-Issues and Challenges', *The Journal of National Women's Education Center of Japan*, Vol. 14.

**Sultana, A.S. 2010.** 'Early Childhood Care and Education in Delhi' in *Situational Analysis of Children Under Six in Delhi A Citizens' Report, 2002-2007*. New Delhi: Mobile Creches Publication.

**2010.** 'Developing Reading, Writing and Oral language in a Classroom setting: Perspectives for Intervention', *Navtika, Journal of Early Childhood Care and Education*, Vol. 10, No.1.

**2009.** 'Living Dangerously: Migrant Families with Young Children in India – The brunt of the economic upheavals of the 1990s', South Korea: Korean Academy of Social Welfare.

**2009.** 'Promoting Mother and Young child friendly communities through Nutrition and Health Entrepreneurs' in *Small and Medium Enterprises under Globalisation: Challenges and Opportunities*. Delhi: Kalpaz Publications.

**Kaushik, A. 2009.** 'A situational analysis of health needs and their service utilization by elderly women in India', in *Privatization on Health Services–Implications on the Marginalized*. ISI Publication.

'Social work approaches to reduce vulnerability among elderly women' in *Perspectives in Social Work*. Mumbai: Nirmala Niketan.

'Determinants of Social Intelligence among elderly' (co-author Sanwal, T.) in *Indian Journal of Gerontology*, Jaipur.

**Dr. A. Malthi:** Contributed to the IGNOU Course Material for MSW curriculum.

Concept of Community and Community work, Urban Communities, Tribal Communities, Rural Communities, Community Development and Accountability.

**Nemthianngai, G. 2010.** *Indigenous Medicine and Health Care in Manipur*, New Delhi: Concept Publishing Company.

**Sharma, S. and Jha, M.K.** (edited) *In Opposition to Silence: An Omnibus*. Delhi: Alternotes.

### **Articles**

**Jha, M.K. 2010.** 'Communal Violence and Inter-Community Relations', *Social Action*, Vol. 60, No. 1, January-March 2010.

2010. 'Social Topography of Delineated Others: Muslims in Contemporary India' in Abdul Waheed (ed.) *Minority Education in India*, Serials.



'Community Organisation in Split Societies', *Community Development Journal*, Vol. 44, No. 3 July 2009, Oxford University Press.

**Guite, N. 2009.** 'Impact of Structural Adjustment Programme on Health of the Poor in India A Future Strategy', In Sinha, A. and John, T.A. (eds), *Health Matters: India's Health Services, Who Benefits*, Indian Social Institute, pp. 227-49.

**2009.** Units on 'HIV/AIDS: Nature and Demography', 'HIV/AIDS: Treatment and Care, Vaccine Issues' in *Social Work and HIV/AIDS* for M.A Social Work Course Material. New Delhi: IGNOU Publication.

**2009.** Review of the article 'An alternative paradigm for integrating orthodox and traditional medicine into primary health care system' published by Academic Journals.

**Sharma, S. and Jha, M.K. (eds).** 'Social Exclusion and Development: A case study of Seelampur' in Sharma, S. and Jha, M.K. (edited) *In Opposition to Silence: An Omnibus*. Delhi: Alternotes.

### **Research Monograph**

**Jha, M.K. 2009.** *Why are Children out of School?* Plan India.

**2010.** *Excluded We Are*. Delhi: Alternotes.

## **FACULTY OF MUSIC & FINE ARTS**

### **MUSIC**

#### **Ph.D. Degrees awarded**

Ph.D. - 20

#### **Seminars/Conferences attended**

**Prof. Najma Perveen Ahmad:** Presented a paper on 'Contribution of Amir Kuusrau to Indian Music', Calicut University, Kerala, February, 2010.

**Prof. Anupam Mahajan:** Presented a paper 'Indraprastha to New Delhi', Department of History, 2009.

**Prof. Anjali Mittal, Prof. Najma Perveen Ahmad, Prof. Sunita Dhar, Prof. Anupam Mahajan, Prof. Manjushree Tyagi, Prof. Uma Garg, Prof. Suneera Kasliwal, Prof. Deepti Bhalla, Prof. V. Radha, Dr. Nupur Roy Choudhury, Dr. Rajeev Verma, Dr. Alka Nagpal, Dr. Prateek Chaudhuri, Dr. Vasanthi Krishna Rao, Dr. R.K. Adeshra, Dr. P.B. Kanna Kumar, Dr. T.V. Manikandan, Dr. Sudepta Sharma, Dr. Shailender Kumar Goswami, Dr. Ojesh Pratap Singh and Dr. Hari Kishan Goswami:** Attended National Seminar on 'Tala in Indian Music and Dance: It's Significance in relation to compositional form', Department of Music.

# FACULTY OF MEDICAL SCIENCES

## ANAESTHESIOLOGY & CRITICAL CARE (UCMS)

### Major Activities

The Department organized a national-level teaching programme 'EORCAPS' in September 2009. This nine-day 'Examination Oriented Refresher Course for Anaesthesia Postgraduate Students' is a well recognized and tremendously successful programme and attracted over 200 students from all over the country for the course.

### New Additions

Dr. U.C. Verma - Director Professor  
Dr. Ashok Kumar - Lecturer  
Dr. J.P. Sharma - Lecturer

### Honours/Distinctions

**Dr. Ashok Kumar:** Visiting honorary professor to Department of Anaesthesiology, Nagasaki University School of Medicine, Nagasaki, Japan, 8-14 October 2009.

**Dr. Ashok Saxena:** Expert Review Member of WHO Panel for reviewing and updating WHO Guidelines on chronic pain management, cancer pain management and pediatric pain management.

**Dr. A.K. Sethi:** Member, Editorial Board and Peer Review Committee, *Indian Journal of Anaesthesia* and Member, National Advisory Board, *Medical Journal*, D.Y. Patil University, Kolhapur, Maharashtra.

### Seminars/Conferences attended

**Dr. Sharmila Ahuja:** Delivered lecture 'Teaching Anaesthesiology, what more can we do?', Annual Conference of RSACPCON-2009, Delhi, 9-11 October 2009.

**Dr. Sharmila Ahuja, Dr. Sujata Chaudhary, Dr. Mahendra Kumar, Dr. Medha Mohta, Dr. A.K. Sethi, Dr. Jai Prakash Sharma and Dr. Asha Tyagi** Attended XLVIII Conference of Indian Society of Anaesthesiologists, Delhi Chapter, New Delhi, 4-5 April 2009.

**Dr. Sujata Chaudhary and Dr. Asha Tyagi:** 1st Annual Conference of the Indian College of Anaesthesiologists, Sir Ganga Ram Hospital, New Delhi, 21-22 November 2009.

**Dr. Medha Mohta:** 2nd Chongqing International Clinical Neuroscience Forum and International Neuro Drug Conference, Chongqing, China, 20-21 March 2010.

Annual Congress of European Society of Regional Anaesthesia, Salzburg, Austria, 9-12 September 2009.

Annual Conference of Japanese Society of Anaesthesiologists, Nagasaki, Japan, 9-10 October 2009.

North Zonal Annual Conference of Anaesthesia, Patiala, Punjab, October 2009.

**Dr. A.K. Sethi:** Delivered a lecturer on 'Interpretation of Arterial Blood Gases', LVII Annual National Conference of ISA, Chennai, 26-29 December 2009.

Chaired a scientific session in the Annual Conference of Indian Society of Anaesthesiologists, Delhi Chapter, New Delhi, 4-5 April, 2009.

'Interpretation of Arterial blood Gases', XXII Bihar & Jharkhand Society of Anaesthesiologists, Annual Conference 2009, Muzaffarpur, 31 October-1 November 2009.

**Dr. Asha Tyagi:** LVII Annual National Conference of ISA, Chennai, 26-29 December 2009.

### **Publications**

**Agarwal, D., Mohta, M., Tyagi, A. and Sethi, A.K. 2010.** 'Subdural block and the anaesthetist'. *Anaesth Intensive Care*, 38: 20-26.

**Chaudhary, S., Azad, R., Kumar, A. and Bhattacharya, N. 2009.** 'Efficacy and effect on autonomic functions by paravertebral block with or without opioid neuroaugmentation for inguinal herniorrhaphy'. *J. Anaesth Clin Pharmacol*, 25: 316-20.

**Choudhury, S., Ahuja, S., Bhattacharya, N., Motiani, P. and Joshi, C. 2009.** 'Perioperative evaluation of autonomic functions in controlled hypertensive patients undergoing cholecystectomy under general anaesthesia'. *J. Anaesth Clin Pharmacol*, 25:148-53.

**Garkoti, R., Sethi, A.K., Tyagi, A., Mohta, M. and Agarwal, D. 2009.** 'Depth of Femoral and Sciatic Nerves and its Correlation with Anthropometric Parameters'. *J. Anaesth Clin Pharmacol*, 25: 59-62.

**Girotra, G., Saxena, N., Hayaran, N. and Saxena, A.K. 2009.** 'Mind body energy intervention of cancer pain management'. *Indian J. Pain*, 23: 282-93.

**Jain, N. and Saxena, A.K. 2009.** 'Advances in understanding and management of migraine: current concepts and future aspects'. *Indian J. Pain*, 23: 209-17.

**Kochhar, A. and Saxena, A.K. 2009.** 'Review of non pharmacological methods of pain relief in labour: Current status and future perspectives'. *Indian J. Pain*, 23: 370-74.

**Kumar, M., Mandhyan, R., Shukla, U., Kumar, A. and Rautela, R.S. 2009.** 'Delayed pulmonary oedema following attempted suicidal hanging: A case report'. *Indian Journal of Anaesthesia*, 53: 355-57.

**Mohta, M., Agarwal, D., Gupta, L.K., Sethi, A.K. and Tyagi, A. 2009.** 'Potency of mephentermine for prevention of post spinal hypotension'. *Anaesth Intensive Care*, 37: 568-70.

- Mohta, M., Verma, P., Saxena, A.K., Sethi, A.K., Tyagi, A. and Girotra, G. 2009.** 'Prospective, randomized comparison of continuous thoracic epidural and thoracic paravertebral infusion in patients with unilateral multiple fractured ribs a pilot study'. *J. Trauma*, 66: 1096-1101.
- Mohta, M. 2009.** 'Up-down study: Is the analysis adequate? Reply. *Anaesth Intensive Care* 2010, 38.
- Saxena, A.K. 2009.** 'All in one' Pregabalin: working anywhere (Neuropathic Pain), anytime (Neuropathic Cancer Pain), and offering new possibilities in neuropathic cancer pain management'. *Indian J. Pain*, 23: 267-69.
2009. 'Burning vulva syndrome, a chronic biopsychosocial phenomenon of vulvodynia and vulvar pain clinics'. *Indian J. Pain*, 23: 192-95.
2009. 'Sigma -1 receptor as a new potential target for the treatment of neuropathic pain: Is it too early to raise such a hope?' *Indian J. Pain*, 23: 350-51.
- Sethi, A.K., Mohta, M. and Tyagi, A. 2009.** 'Geriatric trauma A short review'. *Medical Journal DY Patil University*, 04: 3-9.
2009. 'Management of Septic Shock: What is new?' *Medical Journal DY Patil University*, 03: 3-12.
- Sharma, J.P. and Gupta, N. 2009.** 'Pharyngeal bleeding after attempted blind nasal intubation as a result of lacerated tonsillar mass'. *Asian Archives of Anaesthesiology and Resuscitation*.
- Sharma, J.P. and Saxena, A.K. 2010.** 'Acute pain management and Cancer pain-Recent advances and its future prospects'. In: *Emergency Surgery*. (1st edn). Edited by Prof. U.K. Srivastava and Dr. Sudipto Saha.
- Singh, M., Rautela, R.S. and Kumar, S. 2010.** 'Head extension is essential for adequate ventilation through laryngeal tube'. *Sri Lanka J. Anaesth*, 18: 53-54.
2009. 'Laryngeal tube pilot balloon kinking in the presence of a bite block!' *Can J. Anesth*, 56: 880-81.
- Tyagi, A., Behl, N., Dey, D. and Sethi, A.K. 2010.** 'Esophageal Foreign Body masquerading as Myocardial Infarction with AV block'. *Anesth Analg*, 110: 641-42.
- Tyagi, A., Girotra, G., Kumar, A., Kumar, S., Sethi, A.K. and Mohta, M. 2009.** 'Single-shot spinal anaesthesia, combined spinal-epidural and epidural volume extension for elective caesarean section: a randomized comparison'. *Int J. Obstet Anesth*, 18: 231-36.
- Tyagi, A., Sethi, A.K., Girotra, G. and Mohta, M. 2009.** 'The microcirculation in sepsis'. *Indian Journal of Anaesthesia*, 53: 281-93.

## ANAESTHESIOLOGY AND INTENSIVE CARE (MAMC)

### Honours/Distinctions

**Dr. Rakesh Kumar:** Awarded WHO Fellowship for 'Poisoning Patient Management' at Hanoi, Vietnam, June-July 2009.

**Dr. Kirti. N. Saxena:** Awarded WHO Fellowship for Trauma in 2009 at Liverpool Hospital, New South Wales, Australia, June-July 2009.

Awarded UICC Fellowship under supervision of Dr. Charles Berde at Children's Hospital, Boston, Harvard Medical School, United States, November-December 2009.

### Seminars/Conferences attended

**Dr. Raktima Anand:** Chaired a session of ISA Delhi Branch Annual Conference, April 2009.

**Dr. Poonam Bhadoria, Dr. Divya Jain, Dr. Kirti N. Saxena and Dr. Bharti Taneja:** 2nd National Conference of Association of Obstetric Anaesthesiologists, PGIMER, Chandigarh, 18-20 September 2009.

**Dr. Raktima Anand, Dr. Poonam Bhadoria and Dr. Kirti N. Saxena:** 1st Annual National Conference of Indian College of Anesthesiologists, November 2009.

**Dr. P. Bhadoria:** 3rd Biennial National Lung Cancer Conference (NALCCON-09), at Indira Gandhi Medical College, Shimla, 25-26 April 2009.

Delhi Critical Care Symposium 2009, Delhi Heart and Lung Institute, New Delhi, 4 September 2009.

XLII Annual Conference of Gujarat State Branch, ISA (GISACON 2009) at Anand, Gujarat, 26--27 September 2009.

XI National Conference of Indian Chest Society and National College of Chest Physicians (India) (NAPCON 2009), Calicut, Kerala, 5-8 November 2009.

### Publications

**Kumar, R., Agarwal, M., Sharma, S.D., Kumar, S., Gupta, N.R. and Grewal, A. 2009.** *Basic Life Support-An Atlas Based Approach* (1<sup>st</sup> edn).

2009. *Recent advances in paediatric anaesthesia*, Edited by Dr. Kirti N. Saxena. New Delhi: Jaypee Brothers.

**Dali, J.S., Kumar, R., Saxena, Kirti N., Agarwal, M., Sharma, Kavita R., Bhalotra, A., Wadhawan, S. and Taneja-, B.** *Airway MAMC 2009 - CME book*, contributed a chapter.

**Bhadoria, P.** Contributed a chapter on 'Basic Life Support' in *Bhavnagar CME book*.

Contributed a chapter on 'Igel- three in one airway device', *GISACON CME* book.

Contributed a chapter on 'Airway management in the periphery', *GISACON CME* book.

**Kumar, R. 2009.** Contributed chapter on "Pediatric CPR" in *CME Proceedings*, ISA Delhi Annual Conference, pp. 67-72.

**Saxena, Kirti N.** Contributed a chapter on 'Anaesthetic management of fetal surgeries' in *CME booklet*, Indian Society of Anaesthesiologists, Delhi Branch Annual Conference.

**2009.** Contributed a chapter 'Acid aspiration prophylaxis-current concepts and controversies', *CME booklet*, National Conference of the Association of Obstetric Anaesthesiologists.

**2009.** Contributed a chapter 'Update on anesthetic management of the preeclamptic parturient', *Proceedings of the 1st Annual National Conference* of Indian College of Anaesthesiologists.

**2009.** Contributed a chapter 'Ophthalmic anesthesia guidelines', in *Guidelines for Safe Practice of Anesthesia*. Indian College of Anaesthesiologists.

**Agarwal, M. 2010.** Contributed a chapter on 'Multicasualty Triage' in *Manual for Healthcare Providers for Common Wealth Games-2010*.

**Taneja, B. 2009.** Contributed a chapter on 'Anaesthesia for Paediatric Laparoscopic Surgery in Recent Advances' in *Paediatric Anaesthesia*. Delhi: JP Publication, pp.145-61.

#### **Articles in Journals**

**Kapoor, D., Kumar, A., Anand, R., Girdhar, K.K., Wadhawan, S. and Rabal, A. 2009.** 'Intubation with Bonfils Retromolar Intubation Fiberscope after Topicalization with in circuit nebulized lidocaine in an adult with fracture zygoma'. *Journal of Anaesthesiology Clinical Pharmacology*, 25(1): 93-94.

**Gupta, N., Saxena, K.N., Panda, A.K., Anand, R. and Mishra, A. 2009.** 'Myotonic Dystrophy: An Anaesthetic Dilemma'. *Indian Journal of Anaesthesia*, 53(6): 688-91.

**Goel, N., Gupta, K., Bhadoria, P., Raktima Anand, R.** 'Anaesthetic management of a patient with metabolic syndrome X-peripheral Nerve Straulation still remains an asset'. *Indian Journal of Anaesthesia*, August 2009, pp. 537-39.

**Chaudhary, K., Bhalotra, A., Girdhar, K.K., Anand, R., Manchanda, G. and Misra, A.** 'Low tracheostomy: Anaesthesiologists Jeopardy' *Bri. J. Anaes*, 3855.

**Chaudhary, K., Bhalotra, A., Girdhar, K.K., Anand, R., Manchanda, G. and Misra, A.** 'Montando Laryngectomy tube insertion may be difficult in patients with a fresh (low) tracheostomy'. *Bri.J.Anaes*, 3855.

- Kohli, Amlan Swain, P. Subramaniam, S. Thakur, Khambra, S. and Bhadoria, P.** 'Parkinsonian crises for emergency laparotomy: A case report'. *Internet Journal of Anaesth.*, Vol. 21(1).
- Gupta, K., Thakur, S., Bhadoria, P., Khambra, S. and Raktima Anand, R.** 'Neonate with Tracheo oesophageal fistula, Down's Syndrome and Congenital heart disease An anaesthetic challenge'. *India Journal of Anaesthesia*, August 2009, pp. 539-40.
- Goel, N., Gupta, K., Wadhawan, S., Sachdeva, P. and Raktima Anand, R.** 'Undiagnosed Takayasu Arteritis: An Anaesthetic Challenge'. *J. Anaesth. Clin Pharmacology*, Oct. 2009, 25(4): 505-6.
- Gupta, N., Wadhawan, S., Kumar, A., Girdhar, K.K., Anand, R. and Srikant Shrinivas, S. 2009.** 'Anaesthetic Management of Peripartum Cardiomyopathy'. *Journal of Anaesthesiology Clinical Pharmacology*, 25(1): 97-98.
- Garg, R., Bhalotra, A., Bhadoria, P., Gupta, N. and Anand, R.** 'Reasons for cancellation of cases on the day of surgery: A prospective study'. *Indian Journal of Anaesthesia*, Feb. 2009, 53(1): 35-36.
- Gupta, L., Verma, S., Bhalotra, A. and Bhadoria, P. 2009.** 'Anaesthetic Management of a case of Dilated Cardiomyopathy with Global Hypokinesia'. *The Internet Journal of Anaesthesiology*, Vol. 19(2).
- Goel, N., Bhagwat, A., Gupta, L. and Bhadoria, P. 2009.** 'An unusual cause of leak in high pressure system of anaesthesia machine'. A letter to editor, *India Journal of Anaesthesia*, 53(3): 377.
- Bhagwat, A., Kohli, A., Singh, R. and Bhadoria, P. 2009.** 'Forearm IVRA, using 0.5% lidocaine in a dose of 1.5mg. per kg. with ketoralac 0.15mg/kg for hand and wrist surgery'. *Minerva Anesthesiol*, 75: 1-6.
- Varshney, M., Varshney, P., Gupta, L. and Bhadoria, P. 2009.** 'A successfully managed case of brittle bone disease and associated abnormalities'. *Internet Journal of Anaesthesiology*, 22(1).
- Varshney, P., Varshney, M. and Bhadoria, P. 2009.** 'Comparison of total intravenous anaesthesia (TIVA), Spinal Anaesthesia and local block for day care inguinal herniorrhaphy'. *Internet Journal of Anaesthesiology*, 22.
- Gupta, L. and Bhadoria, P.** 'The I-gel Airway for difficult intubation'. *Britannica Encyclopaedia 2009*. [http://www.Britannica.com/bps/additional\\_content/18/34616777/the\\_igel\\_airway\\_for\\_difficult\\_intubation](http://www.Britannica.com/bps/additional_content/18/34616777/the_igel_airway_for_difficult_intubation).
- Gupta, L., Kohli, A. and Bhadoria, P.** 'Use of sign language for fiberoptic intubation'. *Britannica Encyclopaedia. 2009*. [http://www.Britannica.com/bps/additional\\_content/18/35245398/use\\_of\\_sign\\_language\\_for\\_awake\\_fiberoptic\\_intubation](http://www.Britannica.com/bps/additional_content/18/35245398/use_of_sign_language_for_awake_fiberoptic_intubation).

- Jain, D. and Bhadoria, P. 2009.** Review Article 'Anaesthesia for In-vitro fertilization'. *Indian Journal of Anaesthesia*, 53(4): 408-13.
- 2009.** 'Case Report: Blind faith can be fatal'. *Indian Journal of Anaesthesiology*, Vol. 21.
2009. Case Report: Use of dexmedetomidine for attenuation of stress response to laryngoscopy, Vol. 21.
- Kumar, R., Gupta, K., Kumar, S., Gupta, N.R. and Taneja, B. 2009.** 'Comparison of Ambu Laryngeal mask with Classic Laryngeal mask airway during general anaesthesia and muscle relaxation in adults'. *IJACP*, 25.
- Sharma, K., Varshney, M. and Kumar, R. 2009.** 'Tracheal tube fixation, the effect on depth of insertion of midline fixation compared to the angle of the mouth anaesthesia'. 64: 383-86.
- Kumar, R., Kumar, S., Bharti, M. and Luckwal, M. 2009.** 'An unusual case of patient discomfort (pain) during regional anaesthesia', *Anaesthesia Intensive Care*, 37: 139-40.
- Saxena, K.N. 2009.** 'Laryngeal mask airway vs endotracheal tube for airway management in syringing and probing'. *J. Anaesth Clin Pharmacology*, 25(1): 69-70.
- Aggarwal, P., Saxena, K.N. and Sethi, A. 2009.** 'Pulmonary oedema following topical phenylephrine administration in a child anaesthetized for cataract extraction'. *Paediatric Anaesthesia*, 19(2): 181-82.
- Saxena, K.N., Kumar, S., Taneja, B. and Gaba, P. 2009.** 'Non-cardiac surgery 2 weeks after percutaneous cardiac intervention'. *British Journal of Anaesthesia*, 102(5): 719-20.
- Saxena, K.N. and Taneja, B.** 'Anesthesiology centric ACLS'. *ISA News Bulletin*, June 2009.
- Saxena, K.N., Nischal, H. and Batra, S. 2009.** 'Intracutaneous Injections of Sterile Water over the sacrum for Labour Analgesia'. *Indian Journal of Anaesthesia*, 53(2): 94-98.
- Taneja, B., Goel, N., Saxena, K.N., Kohli, A. and Gaba, P. 2009.** 'Spinal Anaesthesia for Caesarean Section in an mv positive parturient on Antiretroviral Therapy'. *Indian Journal of Anaesthesia*, 53(2): 186-87.
- Nischal, H. and Saxena, K.N.** 'Use of Ryle's tube to aid nasal intubation after nasopharyngeal mucosal tear: A Case Report'. Letter URL: [http://bj.oxfordjournals.org/80/cgi/qa-display/brjana\\_forum](http://bj.oxfordjournals.org/80/cgi/qa-display/brjana_forum), 1.
- Gupta, M., Saxena, K.N. and Dua, C.K. 2009.** 'Anaesthetic management of Caesarian Section in a patient with corrected Tetralogy of Fallot'. *J. Anaesth Clin Pharmacol*, 25(3): 353-54.



- Saxena, K.N. and Dua, C.K. 2009.** 'Technique of fiberoptic intubation in TM Joint Ankylosis in children'. *J. Anaesth Clin Pharmacol*, 25(4): 471-72.
- Saxena, K.N. and Gupta, A. 2009.** 'Combined Spinal Epidural for cesarean section in patients with kyphoscoliosis'. *J. Anaesth Clin Pharmacol*, 25(4): 501-2.
- Taneja, S., Agarwal, M., Dali, J.S. and Agarwal, G. 2009.** 'Ease of Proseal Laryngeal Mask Airway and its fiberoptic view after placement using Gum Elastic Bougie: a comparison with conventional techniques'. *Anaesthesia & Intensive Care*, 37: 435-40.
- Varshney, M., Girdhar, K., Taneja, S. and Agarwal, M. 2009.** 'Anaesthetic management of a pediatric patient with Congenital insensitivity to pain'. *-Paediatric Anaesth.*, 19(19): 552-53.
- Agarwal, M., Sharma, R., Panda, A. and Gupta, A. 2009.** 'Laryngeal Web associated with Simpson- Golabi - Behmel Syndrome in a child'. *Anaesthesia & Intensive Care*, 37: 4.
- Jain, S., Agarwal, M. and Dali, J.S. 2009.** 'Role of nasopharyngeal Oxygen insufflation on haemoglobin desaturation following preoxygenation'. *Journal of Anaesthesiology Clinical Pharmacology*, 25(4): 454-58.
- Chakarvorty, A. and Wadhawan, S. 2009.** 'A Novel Technique of Flexible reinforced laryngeal mask airway insertion'. *Anaesth. Intensive Care*, 37(4): 669-70.

## ANATOMY (UCMS)

### Research Schemes

<i>Title</i>	<i>Sponsoring Organization</i>
Effect of ECT on islets of Langerhans of Pancreas in albino rat—A Histomorphometric study.	UCMS
Effect of MSG on Thyroid gland in albino rat A Histomorphometric study.	UCMS

### Appointments of faculty member to higher Posts/Assignments

**Dr. Jugesh Khanna:** Professor of Anatomy at Al-Tahaddi University, Libya, 22-23 October 2010.

### Seminars/Conferences attended

**Dr. K. Khatri and Dr. M. Nagar:** Attended the Conference and CME on 'Inside the Human Body—through endoscopy eye' and chaired a session at LVII Conference of Anatomical Society of India at Belgaun, 25-28 December 2009.

**Dr. S. Wadhwa:** Attended CME on 'Journey from Dissection Hall to Multimedia' at PGIMER, Chandigarh, 25 July 2009.

## Publications

**Bharihoke, V., Khatri, K. and Singh, L. 2009.** 'Effect of therapeutic doses of ECT on liver and pancreas'. *J. Anat.Soc. India*, 58(1): 56.

**Khatri, K., Khanna, J., Chauhan, R. and Bhargava, S.K. 2009.** 'Determination of sex by calcification pattern of costal cartilages in Indian population'. *Journal of Forensic Medicine and Toxicology*, 26(2): 18-22.

**Mahindra, M. and Mungalang, M. 2009.** 'Renal morphology in carbaryl treated Albino rats'. *J. Anat.Soc. India*, 58(1): 78.

'Histomorphological study of the testis in Sevin treated Albino rat'. *J. Anat. Soc. India*, 58(1): 78.

**Mungalang, M., Mahindra, M. and Prakash, R. 2009.** 'Hepatic histomorphometry in rats administered with Sevin'. *J. Anat.Soc. India*, 58(1): 77.

2009. 'Liver in carbaryl treated rats – A morphological and morphometric study'. *J. Anat. Soc. India*, 58(1): 6-9.

## ANATOMY (MAMC)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Evaluation of effects of environmental pollutants in the pathogenesis of various cardiorespiratory diseases in traffic police personnel.	Dr. Dinesh Kumar	Ministry of Environment & Forest

### Seminars/Conferences held

Organized a workshop entitled 'Embalming, Plastination and Organ donation in present day Scenario', 26-27 March 2010.

**Dr. J.M. Kaul:** Organized a workshop as joint collaboration between Anatomy and ENT in oto-rhino-laryngology lab to demonstrate hands-on skills for dissection of microsurgery of ear including cochlear implant.

Organized a workshop on sinus endoscopic surgery on cadavers with Department of ENT and Dr. Sood Nasal Research Foundation.

### Seminars/Conferences attended

**Dr. J.M. Kaul:** Presented paper on 'Development of the gastroesophageal junction and histogenesis of the mucosal cells of the human stomach during midgestation', with Dr. Sabita Mishra and Dr. Babita, 42nd Congress of Clinical Anatomists at Istanbul, Turkey, 2-5 September 2009.

**Dr. Sabita Mishra:** Presented paper on 'Morphogenesis and expression of NCAM in the developing human auditory cortex' with Dr. J.M. Kaul and Dr. S. Prakash, XLII Congress of Clinical Anatomists at Istanbul, Turkey, 2-5 September 2009.

**Dr. K.K. Rana:** Chaired a session at LVII NATCON in JN Medical College, Belgaum, 25-28 December 2009.

### **Publications**

**Mishra, S. 2009.** Contributed a chapter entitled 'Morphological maturation of auditory pathway' in *Advances in Neurosciences*. Ananya Publications.

**2009.** Reviewed *Atlas of Anatomy*, South Asian Edition, (ed.) Tank, Patrick W., Gest, T.R. and Woller Kluver. Lippincott Williams and Wilkins. p. 216.

### **Research Articles**

**Mahajan, A., Paul, S. and Das, S. 2009.** 'An anatomical variation in the branching pattern of celiac trunk'. *Archives of Medical Science*, Vol. 5(1).

## **ANATOMY (LHMC)**

### **Seminars/Conferences attended**

**Dr. Anita Tuli:** Presented a paper on 'Clinical Implications Morphology and Imaging of Bony Projections on the Sigmoid Sinus', at XIII Congress of European Federation of Neurological Sciences, at Florence, Italy, 12-15 September 2009.

**Dr. Shipra Paul, Dr. Anita Tuli and Dr. Shashi Raheja:** Chairpersons in CME on 'Journey from Dissection Hall to Multimedia' at PGIMER, Chandigarh, 25 July 2009.

**Dr. Shipra Paul (Co-ordinator) and Dr. Anita Tuli:** Panelist in a panel discussion on 'Need for Dissection for UGs & PGs in present scenario' at PGIMER, Chandigarh.

**Dr. Shashi Raheja:** Chairperson in a Symposium on 'Current topics and controversies in oral Pathology', Dental Department, LHMC, 20 June 2009.

**Dr. Anita Tuli and Dr. Shashi Raheja:** Participated in a Symposium on 'Advances in IT in Medical Sciences' at LHMC.

**Dr. Shashi Raheja and Dr. Sneh Agarwal:** Attended workshop on 'Adolescent friendly reproductive health services' at KSCH, Delhi.

**Dr. Shipra Paul, Dr. Anita Tuli, Dr. Shashi Raheja, Dr. Sneh Agarwal and Dr. Kulwinder Kaur:** Attended workshop on 'Embalming, Plastination and Organ donation in present day scenario' at MAMC, New Delhi, 26-27 March 2010.

## Publications

**Mahajan, A., Paul, S. and Das, S. 2009.** 'An anatomical variation in the branching pattern of the celiac'. Case report. *Arch. Med. Sci.*, 5: 117-19.

**Agarwal, B.B. and Agarwal, S. 2009.** 'Recurrent laryngeal nerve, phonation and voice preservation–energy devices in voice surgery: A note of caution'. *Langenbecks Arch Sug.*, 394(5): 911.

**Paul, S. 2009.** 'Surgical Anatomy of Lateral wall of Nose'. *XXI National Endoscopic Sinus study Course (An Advanced Course)*.

**Paul, S. and Agarwal, S. 2009.** 'Surgical Anatomy of Nose'. *XXXII All India Rhinoplasty Course (An Advanced Course)*. November 2009, pp. 77-80.

**Kalra, S., Tuli, A., Chaudhry, R. and Raheja, S. 2009.** A comparative study to evaluate the anticardiolipin antibody IgG in pregnant and non pregnant women with first trimester recurrent abortions.

## COMMUNITY MEDICINE (MAMC)

### Ph.D. Degrees awarded

Ph.D. - 3

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Postgraduate Diploma in Maternal and Child Health students.	Dr. G.K. Ingle, Dr. S. Garg Dr. V.K. Gupta, Dr. S.V. Singh Dr. M.M. Singh, Dr. Jugal Kishore	IGNOU
Fellowship in HIV Medicine Students care centre for P.L.H.A., Amritsar.	Dr. G.K. Ingle, Dr. S. Garg, Dr. G.S. Meena, Dr. S.V. Singh, Dr. M.M. Singh	RCH
Non-pharmaceutical intervention in management of diabetes mellitus in LNJP hospital, Delhi.	Dr. V.K. Gupta	ICMR
WHO Biennium Project on State of Art Review of Rubella.	Dr. Suneela Garg	

### **Honours/Distinctions**

**Dr. Jugal Kishore:** Fellowship of Indian Association of Preventive and Social Medicine.

Fellowship of Indian Medical Association Academy of Medical Specialists.

Honoured Dr. S. Radhakrishnan Memorial National Social Service Award.

**Dr. Bratati Banerjee:** WHO In-country Fellowship Training Programme on Certificate Course in Epidemiology of Non-Communicable Diseases.

### **Seminars/Conferences held**

**Dr. G.K. Ingle and Dr. Jugal:** Chaired sessions at National Conference on 'Management of Water, Air, Noise, Solid Waste and Plastic Waste during Commonwealth Games at New Delhi', in collaboration with IDC Foundation at India International Centre (Annexes), New Delhi.

**Dr. Suneela Garg and Dr. G.K. Ingle:** Workshop organized on 'Cervical Cancer and Preventive Strategies'.

### **Seminars/Conferences attended**

**Dr. Suneela Garg:** Attended International Conference of IIHMR, at India Habitat Centre, New Delhi, November 2009.

**Dr. Jugal Kishore:** Attended XIV 'World Conference on Tobacco or Health' at Mumbai.

**Dr. G.K. Ingle, Dr. Suneela Garg, Dr. D.K. Taneja and Dr. B. Banerjee:** Chaired sessions LIII National Conference of Indian Public Health Association, at Kempegowda Institute of Medical Sciences, Bangalore.

**Dr. G.K. Ingle, Dr. Suneela Garg, Dr. D.K. Taneja, Dr. Nandini Sharma, Dr. P. Lal and Dr. B. Banerjee:** Attended and chaired sessions at XXXVI Annual National Conference of IAPSM at GMC, Aurangabad, Maharashtra, and abstracts published in Souvenir.

**Dr. V.K. Gupta and Dr. M.M. Singh:** Symposium on 'H1N1 update' organized by Heart Care Foundation of India, New Delhi.

**Dr. Suneela Garg, Dr. V.K. Gupta and Dr. M.M. Singh:** CME programme on 'Updates in cardio-vascular diseases' organized by IMA-EDB, Delhi, on Co-ordinators meeting, Fellowship in HIV Medicine at MAMC, New Delhi.

**Dr. Suneela Garg:** Participated in International Conference on 'Occupational & Environmental Health', WHO, Drexel University and Colegio Rama Zania, Govt. of India & WHO Collaborative Biennium Conference 2010 by NPPCD.

**Dr. Nandini Sharma:** Participated in All India Seminar on 'Integrated Water Resources Management' organized by National Productivity Council and gave a talk on Health Aspects.

**Dr. Jugal Kishore:** Co-Chairperson of Scientific Committee of National Conference on 'Management of Water, Air, Noise, Solid Waste and Plastic Waste during Commonwealth games at New Delhi' organized by IDC Foundation in Collaboration with MAMC, Central Pollution Control Board and CSI at India International Centre (Annexe), New Delhi, 6-7 November 2009.

LXXXIV Annual National Conference of Indian Medical Association, Hyderabad.

CME on 'Disaster Management: Challenges and Strategies' organized by Department of Community Medicine, GR Medical College, Gwalior.

'Mental Health: Integration of mental health with primary care' in 2nd Indo-US Health Care Summit 2009 organized by IMA and American Medical Association of Indian Origin, New Delhi.

**Mrs. Renuka Saha:** XXVII Annual National Conference of Indian Society for Medical Statistics, at Banaras Hindu University.

**Dr. Rajesh Kumar:** Participated in National Dissemination Event, 'Achieving Nutrition and Health Outcomes at scale: Evidences and Lessons learnt from INHP' at IHC.

Symposium on 'Nutrition and physical performance in school age children'.

### **Publications**

**Garg, S., Gupta, V.K., Lal, P. and Singh, M.M.** Contributed chapters in the textbook *Demedicalizing women's health*, Vol. 2, edited by Singh, A., Walia, I. and Dhaliwal, L. New Delhi: Gyan Publishing House.

**Taneja, D.K.** Revised and Dr. G.S. Meena contributed *Health Policies and Programmes in India*, 8th edition.

**Kishore, J. 2010.** *Practical and Viva Community Medicine* (1st edn). New Delhi: Century Publications.

**Banerjee, B.:** Contributed chapters in the textbook *Recent Advances in Pediatrics*, Special Vol. 20, edited by Gupta, S. New Delhi: Jaypee Brothers Publishers.

Contributed chapters in the textbook *Pediatric Gastroenterology, Hepatology and Nutrition*, 1st edition, (ed.) by Gupta, S. and Horvath, K. Delhi: Peepe Publishers and Distributors Ltd.

Book Translated 'Affirmation' Paul Kurtz was translated as 'Anand Jivan Jine Ki Kala' by Lal, P. and Kishore, J., New Delhi: Century Publications.

**Kaur, R. and Garg, S. 2009.** 'Domestic Violence Against Women: A Qualitative Study in a Rural Community'. *Asia Pacific Journal Public Health*, Vol. 20(10).

**Singh, M.M., Garg, S., Nath, A. and Gupta, V.K.** 'An Assessment of Felt Needs and Expectations of People Living with HIV Seeking Treatment at NGOs in Delhi', *Asia Pacific Journal Public Health*.

- Pakseresht, S., Ingle, G.K., Bahadur, A.K., Ramteke, V.K., Singh, M.M., Garg, S. and Agarwal, P.N. 2009.** 'Risk factors with breast cancer among women in Delhi'. *Indian Journal of Cancer*, 46: 132-38.
- Rahbar, T., Garg, S., Singh, M.M., Malhotra, S., Gupta, V.K., Tripathi, R. 2009.** 'Effectiveness of HIV counseling services on knowledge, attitude, behaviour and practice among pregnant women attending PPTCT program'. *J Commun Dis*, 41: 175-82.
- Nath, A. and Garg, S. 2009.** 'Microbicides in India: Present and Future'. *Indian Journal of Medical Microbiology*, 27(3): 251-53.
- Uppal, Y., Garg, S., Malhotra, S., Singh, M.M., Gupta, V.K., Mishra, B., Singh, S.V. 2009.** 'Hepatitis B and C virus infection in an urban slum of northern India'. *J Commun Dis*, 41: 201-4.
- Laskar, A.R., Gupta, V.K., Singh, M.M., Kumar, D. and Ingle, G.K. 2009.** 'Treatment seeking pattern among parents of children with locomotor disability'. *Indian Journal of Community Medicine*, 34: 258-60.
- Kaur, R., Kaur, P., Gill, A.K., Kaur, K. and Lal, P. 2009.** 'Status of Knowledge, Attitude and Practices regarding Universal Work Precautions among Nurses and Laboratory Technicians in a Teaching Hospital of Patiala, Punjab'. *The Indian Practitioner*, 62(6): 355-59.
- Sharma, N., Nath, A., Taneja, D.K. and Ingle, G.K. 2009.** 'A Qualitative evaluation of Information, Education, and Communication component of the Tuberculosis Control Programme in Delhi', *APJPH*, 21(3): 321-32.
- Malhotra, S., Uppal, Y., Taneja, D.K., Khurana, C. and Malhotra, R. 2009.** 'Utilizing Paramdical Worker for Screening Visual Status of Adults in a Village of Delhi'. *Indian J Pub. Health*, 53(4): 223-25.
- Banerjee, B. 2009.** 'CME. Physical hazards in employment and pregnancy outcome'. *Indian J Community Medicine*, 34(2): 89-93.
- Banerjee, B., Pandey, G.K., Dutt, D., Sengupta, B., Mondal, M. and Deb, S. 2009.** 'Teenage pregnancy: A socially inflicted health hazard'. *Indian J Community Medicine* 2009, 34(3): 227-31.
- Banerjee, B. 2009.** 'Information, Education and communication services in MCH care provided at an urban health centre'. *Indian J Community Medicine*, 34(4): 298-300.
- Kishore, J. and Mishra, P. 2009.** 'Obesity as a social disease'. *Journal of Community Medicine*.
- Rai, M. and Kishore, J. 2009.** 'Myths about diabetes and its treatment in North Indian Population'. *International Journal of Diabetes in Developing Countries*, 29(3): 129-32.
- Kishore, J. and Mamta. 2009.** 'Swine Influenza H1N1: Preparedness'. *DMA News Bulletin*.

## COMMUNITY MEDICINE (UCMS)

### Major Activities

A new dimension has been added with the activation of a Rural Health Training Centre of the college in Narela. Residential postings of the interns of the college have begun at the RHTC, which gives them a unique opportunity to learn about health care delivery in a rural community setting.

### New Additions

Dr. Rahul Sharma

Dr. Somdatta Patra

Dr. Khan Amir Maroof

Dr. Madhu Upadhyay

### Honours/Distinctions

**Dr. S.K. Bhasin:** Fellowship of International Medical Science Academy.

**Dr. Sanjay Chaturvedi:** Member, High Powered Committee on Costing of Health Care and Allied Matters in NCT Delhi and Chair Sub-committee on Non-Health Determinants of Health Care; Member, Technical Advisory Group, International Clinical Epidemiology Network Research Capacity Building Initiative; Member, Expert Panel to recruit six National Level Consultants for National Vector Borne Disease Control Program under National Rural Health Mission and Member Central Advisory Group for Govt. of Uttarakhand on Preparedness for Mahakumbh 2010, with special reference to H1N1 pandemic.

### Seminars/Conferences attended

**Dr. Sanjay Chaturvedi:** IDRC-INCLIN Workshop on 'Governance of Health Systems in Ethiopia', Kutchesar, 2 February 2010.

WHO-SEARO Conference on Epidemiology, New Delhi, 8-10 March 2010.

Canadian Institute of Health Research-ICMR Protocol Development Consultation on Childhood Obesity, New Delhi, 6-7 March 2010.

UNICEF-ASAID-PHFI Workshop on 'Methodologies for Synthesizing Evidence for Advocacy to Improve Newborn and Child Health', New Delhi, 11 February 2010.

Swedish International Development Agency-GOI-PHFI Workshop on 'Public Health and Alcohol Policy', New Delhi.

WHO-GOI Workshop on 'Violence and Injury Prevention', Chandigarh, 6-8 October 2009.

USAID-Govt. of Jharkhand Dissemination Workshop on 'Undernutrition in Jharkhand', Ranchi, 30 September 2009.

Dissemination Workshop of Preliminary Recommendations of High Powered Committee on 'Costing of Health Care and Allied Matters in NCT Delhi', New Delhi, 29 September 2009.

MCH-STAR/USAID Workshop on 'Qualitative Methods', Gumla, 22-25 July 2009.



MCH-STAR/USAID/INCLIN Workshop on 'Respondent Validation for Undernutrition', Ranchi, 14-15 March 2010.

**Dr. S.K. Bhasin:** International Conference on 'Preventing Emerging Occupational and Environmental risks in South Asia' at MAMC organized by Centre for Occupational and Environmental Health in collaboration with Collegium Ramazzini, Italy, and Drexel University School of Public Health, Philadelphia, 17-19 December 2009.

International workshop on 'Micronutrients and child health' organized by Department of Human Nutrition Unit, AIIMS, New Delhi, 20-23 October 2009.

Annual Conference of International Medical Science Academy at Govt. Medical College, Chandigarh, 24-25 October 2009.

National Workshop on 'HIV/AIDS in Medical Curriculum' at Hotel Country Inn organized by Department of Community Medicine UCMS & WHO India Country Office, 9-11 November 2009.

**Dr. Pragti Chhabra:** International workshop on 'Micronutrients and child health' organized by Department of Human Nutrition Unit, AIIMS, New Delhi, 20-23 October 2009.

Workshop on 'Impact of Rubella as a cause of Congenital Deafness in India' organized by MAMC, New Delhi, in collaboration with WHO at MAMC, New Delhi, 24 April 2009.

LIV Annual National Conference of Indian Public Health Association at Andhra Medical College, Visakhapatnam, 22-25 January 2010.

**Dr. O.P. Rajoura:** Global Health Care Summit, New Delhi, 2-3 January 2010.

Workshop on 'Clinical Trial and Statistical Computing', organized by National Institute of Health Statistics, ICMR, New Delhi, 15-19 March 2010.

LIV Annual National Conference of IPHA organized by Andhra Medical College, Visakhapatnam, 22-25 January 2010.

**Dr. N.K. Saini:** Presented paper entitled 'Prevalence of Stress among resident doctors working in Medical Colleges of Delhi', LIV Annual National Conference of IPHA organized by Andhra Medical College, Visakhapatnam, 22-25 January 2010.

### **Publications**

**Chaturvedi, S., Dasgupta, R., Kumar, A. and Garg, S. 2009.** 'Non-health Determinants of health and health care'. In Roychaudhury, R. (ed.). *Report of High Powered Committee for Costing of Health Care and other Allied Matters*. Delhi: Govt. of Delhi.

**Arora, N.K., Chaturvedi, S. and Dasgupta, R. 2010.** 'Global lessons from the polio eradication campaign in India (perspective)'. *Bull World Health Organization*, 88: 232-34.

**Chaturvedi, S. 2010.** 'Vaccines as tools to reduce ARI burden: merits and some inherent verticality in the debate (editorial)'. *Indian Pediatr.*, 47: 33-37.

**Chaturvedi, S., Dasgupta, R., Adhish, V., Ganguly, K.K., Rai, S., Sushant, L., Srabasti, and Arora, N.K. 2009.** 'Deconstructing Social resistance to pulse polio campaign in two North Indian Districts'. *India Pediatr.*, 46: 963-74.

**Chaturvedi, S. 2009.** 'Indian Academy of Pediatrics. Recommendations on curriculum on adolescent health for UG and PG medical education, 2009'. *Indian J. Public Health*, 53: 115-21.

**Bhasin, S.K. 2009.** 'New Poverty Line and Growth Chart Bring Forth Sharp Inequalities in the Indian Population', *India J. Com Med.*, 34: 171-72.

**Bhasin, S.K., Grover, S., Sharma, R. and Singh, N.P. 2009.** 'Hygiene Status and Food handling Practices Among Street Food Vendors in East Delhi: An Observational Study'. *J. Commun. Dis.*, 41: 229-37.

**Bhasin, S.K., Sharma, R. and Saini, N.K. 2010.** 'Depression, Anxiety and Stress among Adolescent Students belonging to Affluent Families: A School-based study'. *Indian J. Pediatr.*, 77: 161-65.

## DERMATOLOGY & STD (UCMS)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Assessment of sub-clinical atherosclerosis in patients of Psoriasis.	Archana Singal	Intra Mural Research Grant UCMS
Comparative efficacy of continuous and intermittent dose terbinafine for toenail onychomycosis: A randomized, double blind controlled trial.	Archana Singal	Intra Mural Research Grant UCMS
Polymorphism of estrogen receptor alpha and beta and dihydroepiandrosterone sulphate and testosterone levels in patients with mild to moderate acne.	Dr. Chaitanya Namdeo Dr. S.N. Bhattacharya	Intra Mural Research Grant UCMS
A study of ASST and outcome of three months therapy in Chronic Urticaria.	Dr. Neha Kumar Dr. S.N. Bhattacharya	Intra Mural Research Grant ICMR

## Honours/Distinctions

**Dr. Sidharth Sonthalia:** Received the International Society of Dermatology Travel Scholarship to attend International Congress of Dermatology at Prague, Czech Republic, and presented his paper in Rapid Communications Session (Oral presentation–Free paper), 20-24 May 2009.

**Dr. Lipy Jain:** Received the American Academy of Dermatology Travel Scholarship to attend AAD Annual meeting at Miami, Florida, February 2010.

**Dr. Namrata Chhabra:** Received the American Academy of Dermatology E-poster scholarship to attend AAD Annual meeting at Miami, Florida in February 2010, and present her e-poster.

**Archana Singal:** Elected President of Indian Association of Dermatologists, Venereologists, and Leprologists (IADVL), Delhi State Branch, for the year 2009 and this was adjudged as the Best Branch of the country.

Nominated Member, Editorial Board of *Indian J. Dermatol Venereol Leprol*, Pubmed indexed journal, 2010, and Open J Infect Ds

Nominated Member, Central Scientific Committee, IADVL-2010 and nominated Member, Academic Committee, IADVL-2010.

## Seminars/Conferences attended

**Chander Grover:** Delivered invited lecture on ‘Nail Surgery for Cosmetologists’, International Workshop on ‘Cosmetic and Aesthetic Dermatology’, New Delhi, 28-29 November 2009.

Participated in Panel Discussion on ‘Vascular Disorders in children’ in the Annual CME of Society for Paediatric Dermatology at Delhi, 7 March 2010.

Participated in XXVII Biennial Conference of Indian Association of Leprologists, New Delhi, 2-4 October 2009.

Participated in the V International CME on Dermatopathology at Delhi, 6-8 November 2009.

Participated in Workshop on ‘Cosmetic and Aesthetic Dermatology’, Delhi, 28-29 November 2009.

**Deepika Pandhi:** Presented a paper entitled ‘Lichen Planus in childhood: A retrospective analysis of a series of 284 patients’ at the XI World Congress of Paediatric Dermatology, Bangkok, November 2009.

Presented a paper entitled ‘Myiasis Arising In Condyloma Accuminata – An Unusual Presentation’ at the XXXIII National Conference of Indian Association for the Study of Sexually Transmitted Diseases and AIDS (ASTICON 2009), Khajuraho, 23-25 October 2009.

Invited Guest Speaker for talk entitled 'Manning the mane: Management of diffuse hair loss' at the Annual Conference of IADVL (Delhi State Branch) in December 2009.

Guest Speaker Invited for talk entitled 'Childhood Lichen planus' at the CME on Paediatric Dermatology, February 2010.

**Archana Singal:** Participated in XI World Congress of Paediatric Dermatology, Bangkok, Thailand, 17-19 November 2009.

Participated in Annual Conference of the Society for Paediatric Dermatology, Delhi, 7 March 2010.

XXXVII Dermacon, National Annual Conference of Indian Association of Dermatologists, Venereologists, and Leprologists, Lucknow, 7-10 January 2010.

Invited chairperson for the session 'What's new in Dermatology' in Annual Cuticon, organized by IADVL, Delhi State Branch, 20 December 2009.

Participated in Annual IADVL Conference, Haryana State Branch, Hissar, 15 December 2009.

Invited chairperson in Annual Conference of ACSI for the session 'Management of keloid and hypertrophic scar', Srinagar, 23-25 October 2009.

Participated in XXVII Biennial Conference of Indian Association of Leprologists, New Delhi, 2-4 October 2009.

Invited to moderate the session entitled 'Management of bullous disorders in children' in the Annual Conference of the Society for Pediatric Dermatology, Delhi, 7 March 2010.

Invited speaker on 'Management of primary cutaneous amyloidosis' in CME in 38th National Conference of IADVL, Lucknow, 6-10 January 2010.

Invited speaker on 'Periocular melanosis' in 1st International CSC workshop, MAMC, Delhi, 28-29 November 2009.

Delivered a lecture on 'Clinico-etiological profile Tinea capitis and comparative efficacy of griseofulvin and terbinafine in its treatment' in XI World Congress of Pediatric Dermatology, Bangkok, Thailand, 17-19 November 2009.

Presented poster on 'Neurothekeoma: Report of a case in a child' in XI WCPD, Bangkok, Thailand, 17-19 November 2009.

Delivered a guest lecture 'HIV and Leprosy' in the XXVII Biennial Conference of Indian Association of Leprologists, New Delhi, 2-4 October 2009.

**Sambit Nath Bhattacharya:** Participated V International CME in Dermatopathology, Delhi, 6-8 November 2009.

Participated XXVII Biennial Conference of Indian Association of Leprologists, New Delhi, 2-4 October 2009.

Participated in International Symposium on 'Molecular Pathology and Applied Genomics', Delhi, 6-7 November 2009.

Invited Participant of WHO sponsored National Workshop on 'HIV/AIDS in Medical Curriculum' and delivered lecture on Teaching HIV/AIDS in the Dermatology (MBBS) curriculum, Delhi, 9-11 November 2009.

### **Publications**

**Pandhi, D., Singal, A., Gupta, R. and Das, G. 2009.** 'Ocular alterations in patients of alopecia areata'. *J. Dermatol.*, 36(5): 262-68.

**Singal, A., Sonthalia, S. and Pandhi, D. 2010.** 'Erythema gyratum repens-like eruption occurring in resolving psoriasis during methotrexate therapy'. *Int. J. Dermatol.*, 49: 306-7.

**Singal, A. and Aggarwal, P. 2009.** 'Comparison of culture system for the isolation of mycobacteria in cutaneous tuberculosis'. *Int. J. Dermatol.*, 48: 1017-18.

**Singal, A., Gupta, L. and Pandhi, D. 2009.** 'Cerebriform lesion over scalp with alopecia'. *Pediatr. Dermatol.*, 26: 615-16.

**Mehta, S., Singal, A., Singh, N. and Bhattacharya, S.N. 2009.** 'A study of clinicohistopathological correlation in patients of psoriasis and psoriasiform dermatitis'. *Indian J. Dermatol Venereol Leprol.*, 75(1): 100.

**Choudhry, S., Ramachandran, V.G., Das, S., Bhattacharya, S.N. and Mogha, N.S. 2009.** 'Serological profile of HSV-2 in patients attending STI clinic: Evaluation of diagnostic utility of HSV-2 IgM detection'. *Indian J. Pathol Microbiol.*, 52: 353-56.

**Jain, S., Kaur, I.R., Das, S., Bhattacharya, S.N. and Singh, A.T. 2009.** 'Helper 1 to T helper 2 shift in cytokine expression: An autoregulatory process in superantigen-associated psoriasis progression?' *J. Med. Microbiol.*, 58: 180-84.

**Singal, A. 2010.** 'Leprosy and HIV infection' in *IAL Textbook of Leprosy*, (eds) Kar, H.K. and Kumar, B. New Delhi: Jaypee Brothers Medical Publishers, pp. 305-13.

**Pandhi, D. 2009.** 'Examination of the skin'. In *Clinical Methods in Pediatrics*, 1st Edn., (ed.) Gupta, P. New Delhi: CBS Publishers and Distributors, pp. 380-405.

**Khanna, N. and Pandhi, D. 2010.** 'Dermatologic Emergencies'. in *Principles of Paediatric and Neonatal Emergencies*, 3rd Edition, eds, H.P.S. Sachdev, Panna Choudhury, Arvind Bagga, Krishan Chug, Siddharth Ramji and Ramesh K. Puri. New Delhi: Jaypee Brothers Medical Publishers.

## DERMATOLOGY & STD (MAMC)

### Honours/Distinctions

**Dr. Vijay Kumar:** Member on the faculty of Medicine IMS, BHU, Department of Dermatology & Venereology.

Elected President of the Scientific Cosmetology Society of India and elected President of the Society of Paediatric Dermatology Delhi.

Chairman of the Pre TAC of Delhi Government for Dermatology, Chairman of the Surgical Items Committee of LNH.

**Dr. Rashmi Sarkar:** Nominated Member of International Mentorship Committee of the International Society of Dermatology; Member of International Affairs Committee in Women's Dermatologic Society (USA); Member of the Taskforce of International Leadership Retreat for 22nd World Congress of Dermatology, Seoul, Korea; was chosen as a Taskforce Member of IADVL on 'Standards for care in dermatosurgery and lasers' for 2009; was Associate Editor of *Indian Clinical Updates in Dermatology*, Wiley-Blackwell; Treasurer of the Society of Paediatric Dermatology, Delhi.

### Seminars/Conferences held

A symposium on CME update for PG of North India.

HIV fellowship programme with Dr. Vijay K. Garg and Dr. Kabir Sardana as faculty was held in 4 phases throughout the year.

### Seminars/Conference attended

**Dr. Vijay K. Garg:** Invited faculty at 3rd Asian Society of Pigment Cell Research Conference, Seoul, South Korea, 11-13 June 2009.

Chaired sessions in Dermatology at The Mid Summer Conference of IADVL Delhi, and Dermacon at Lucknow.

**Dr. Kabir Sardana:** Presented a talk on 'What's new in Dermatology', Mid Summer Conference of IADVL, DSB, and Dermacon North Zone.

Live workshop on 'Laser and chemical peel' at the National CME at MAMC.

**Dr. Rashmi Sarkar:** Attended X International Congress of Dermatology at Prague, Czech Republic, 20-24 May 2009.

Co-chaired the 'Rapid Communications Session' at X International Congress of Dermatology and delivered an invited lecture on 'Glycolic Acid Peels' at the Maria Duran Symposium at X International Congress of Dermatology at Prague.

Delivered a guest lecture 'Chemical peels for melasma and hyper pigmentation' at 3rd Asian Society of Pigment Cell Research at Chandigarh.

Guest lectures on 'Childhood Erythroderma' and 'Update on Management of Scabies' and chaired the session on 'Acne scarring', XI World Congress of Paediatric Dermatology, Bangkok, Thailand, 17-19 November 2009.

## Publications

**Bhattacharya, M., Rajeshwari, K., Sardana, K. and Gupta, P. 2009.** 'Granulomatous cheilitis secondary to tuberculosis in a child'. *J. Postgrad Med.*, 55: 190-92.

**Sardana, K., Bansal, S., Garg, V.K. and Khurana, N. 2009.** 'Linear nodular collagenoma successful treatment with intralesional triamcinolone acetonide'. *Pediatr Dermatol.*, 26: 626-28.

**Sardana, K. Garg, V.K. 2009.** 'Successful treatment of nevus comedonicus with ultrapulse CO2 laser'. *Indian J. Dermatol Venereol Leprol.*, 75: 534-35.

**Sardana, K., Mahajan, S. and Sarkar, R. et. al. 2009.** 'The spectrum of skin disease among Indian children'. *Pediatr Dermatol.*, 26: 6-13.

**Sardana, K., Garg, V.K., Sehgal, V.N. et. al. 2009.** 'Efficacy of fixed low-dose isotretinoin (20 mg, alternate days) with topical clindamycin gel in moderately severe acne vulgaris'. *J. Eur Acad Dermatol Venereol.*, 23: 556-60.

**Garg, V.K., Sinha, S. and Sarkar, R. 2009.** 'Glycolic acid peels versus salicylic-mandelic acid peels in active acne vulgaris and post-acne scarring and hyperpigmentation: A comparative study'. *Dermatol Surg.*, 35: 59-65.

**Sardana, K. and Garg, V.K. 2010.** (eds) *Comprehensive textbook of dermatology*. New Delhi: Peepee.

**Sarkar, R. and Garg, V.K. 2009.** 'Nail disorders in Children'. In: *Textbook of Paediatric Dermatology*, edited by Inamdar, A.C. and Sacchidanand, S. New Delhi: Jaypee Medical Publishers, pp. 307-16.

2009. 'Common dermatological conditions associated with pregnancy'. In: *Common Medical Disorders in Obstetrics*, edited by Kumar, A., Shamsunder, S. and Batra, S. New Delhi: Jaypee Brothers Medical Publishers, pp. 385-93.

**Leppard, B., Sarkar, R. and Ramos-e-Silva, M. 2009.** 'Common skin disorders in Asia, Africa and South America'. In: *Dermatology for Skin of Color*, edited by Kelly, A.P. and Taylor, S.C. New York: McGraw-Hill, 653-86.

**Sarkar, R., Goel, K. and Garg, V.K. 2009.** 'Freckle-like spots and mottled dyschromia in a female'. In: *100 Interesting Cases in Dermatology*, Vol. 1. New Delhi: IJCP Publications, pp. 53-55.

**Sarkar, R., Nair, V. and Garg, V.K. 2009.** 'Multiple lichenified itchy plaques on the face'. In: *100 Interesting Cases in Dermatology*, Vol. 3. New Delhi: IJCP Publishers, pp. 168-70.

**Kochhar, Atul M. and Garg, V.K. 2009.** 'Lest we forget... A tribute to MDT in Leprosy'. In: *100 Interesting Cases in Dermatology*, Vol. 1. New Delhi: IJCP Publishers, pp. 52-57.

## DERMATOLOGY & STD (LHMC)

### Honours/Distinctions

**Dr. Ramchander:** Awarded Late Prof. Sardari Lal Memorial Award for his outstanding contribution to IADVL, Delhi State Branch.

**Dr. Taru Garg:** Reviewer of *International Journal of Gynaecology and Obstetrics*, 2009.  
Executive Editor of *Indian Journal of Medical Specialties*.

### Seminars/Conferences attended

**Dr. Ram Chander:** Delegate and Speaker on 'Cytokine profile in psoriasis', ISD International Congress of Dermatology, Prague, 20-24 May 2009.

Presented a case series on Collodion baby, ISPD, VII National Conference, Chennai, November 2009.

Chairperson, IAL, Biennial Conference of Leprosy, RML Hospital, October 2009.

Delegate IADVL, Annual Conference, Dermacon, Lucknow, 7-10 January 2010.

**Dr. Vibhu Mendiratta:** Speaker on Childhood LP, ISD International Congress of Dermatology, Prague, 20-24 May 2009.

Speaker ISPD, World Congress of Dermatology, Bangkok, 14-17 November 2009.

Speaker IAL, Biennial Conference of Leprosy, RML Hospital, October 2009.

Invited Guest Lecture, IADVL, Annual Conference, Dermacon, Lucknow, 7-10 January 2010.

**Dr. Taru Garg:** Delegate IADVL, Annual Conference, Dermacon, Lucknow, 7-10 January 2010.

## OTORHINOLARYNGOLOGY (LHMC)

### Honours/Distinction

**Dr. Arun Agarwal:** National Coordinator of National Programme of Prevention and Control of Deafness. He is also President of Delhi Medical Council.

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Noise level evaluation at different public places in Delhi and NCR.	Dr. Anoop Raj	UGC



## Conferences attended

**Dr. Achal Gulati:** Attended IFOS World Conference at Sao Paulo, Brazil, June 2009. Attended Bangladesh ENT Association Conference, Dhaka, January 2010.

## Publication

**Anand, T.S. et. al.** Giant tonsillolith a case report presentation Archives of otorhinolaryngology & Head & Neck Surgery, USA. Vol. 135 No.9, September 2009

## OBSTETRICS & GYNAECOLOGY (UCMS)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Randomized control trial in post menopausal women to evaluate the effect of yoga and phytoestrogens on kupperman index, TNF- $\alpha$ and bone density.	Dr. Neerja Goel	IMR Grant
The effect of different regimens of hormone therapy on tear composition and function in post menopausal women.	Dr. Neerja Goel	IMR Grant
Role of BRCA1 and BRCA 2 gene mutations in epithelial ovarian cancer in Indian population: Pilot study.	Dr. Shalini Rajaram	IMR Grant
A case control study of gene-environment interaction with special reference to organochlorine pesticides: A pilot study.	Dr. Kiran Guleria	IMR Grant
Evaluation of nerve fibers in the endometrial biopsy as a diagnostic marker for endometriosis.	Dr. Gita Radhakrishnan	IMR Grant UCMS and ICMR Grant
<i>Programmes taken up involving Inter-institutional collaboration</i>		
International Multicentric Trial: collaboration CORONIS Trial, The International with AIIMS CAESER Study.	Dr. Kiran Guleria	WHO Trial,

## **Seminars/Conferences attended**

**Dr. Bindya Gupta, Dr. K. Guleria, Dr. A. Sharma, Dr. A. Suneja, Dr. P. Yadav and Dr. N.B. Vaid:** Attended XVIII Annual Conference of NARCHI, AIIMS, Delhi, 5-6 September 2009.

**Dr. A. Suneja, Dr. G. Radhakrishnan, Dr. K. Guleria and Dr. S. Rajaram, Dr. N. Rani, Dr. V. Rathi and Dr. N. Goel:** Attended XXXI Annual Conference, AOGD, Delhi, October 2009.

**Dr. S. Rajaram, Dr. S. Sinha, Dr. S. Agarwal, Dr. N. Goel, Dr. N.B. Vaid, Dr. B. Agarwal, Dr. S. Mehta and Dr. A. Gupta:** XVIII Annual Conference of Association of Gynaecological Oncologists of India, Ludhiana, November 2009.

**Dr. G. Radhakrishnan, Dr. Anshul Grover, Dr. Nitasha Gupta, Dr. A.G. Radhika and Dr. S.V. Madhu:** Attended V Annual Conference of Indian Fertility Society, Delhi, 5-6 February 2010.

**Dr. S. Rajaram,** Co-ordinator. Pre-Congress Oncosurgical Video Workshop (co-sponsored by International Gynaecologic Cancer Society) AOGIN 2010, IV Biennial Conference of the Asia Oceania Research Organization on Genital Infections and Neoplasia, Delhi, 26 March 2010.

Organizing Secretary, AOGIN 2010, IV Biennial Conference of the Asia Oceania Research Organization on Genital Infections and Neoplasia, Delhi, India. 26-28 March 2010.

**Dr. S. Sinha, Dr. S. Rajaram, Dr. S. Bhaskaran, Dr. S. Agarwal and Dr. N.B. Vaid:** Attended IV Biennial Conference of the Asia Oceania Research Organization on Genital Infections and Neoplasia, Delhi, India. 26-28 March 2010.

**Dr. K. Guleria:** CME on perinatal medicine at NOGS, Noida 'NST', 5 April 2009.

'Management of vault prolapse', National CME in Obstetrics & Gynaecology in collaboration with NBE, NAMS. AIIMS, New Delhi, 26 April 2009.

'Qualitative beta hCG assay in cervicovaginal secretions-A potential predictor of preterm birth in low resource setting', XIX FIGO World Congress of Gynaecology and Obstetrics, Capetown, South Africa, 4-9 October 2009.

'Role of environment contaminants (pesticide residues) and oxidative stress in preterm birth in north Indian population', XIX FIGO World Congress of Gynaecology and Obstetrics, Capetown, South Africa, 9 October 2009.

'Early recognition and diagnosis of STIs- How essential in the prevention of cancer cervix?' LIII AICOG, Guwahati, 20 January 2010.

**Dr. Bindya Gupta, Dr. Kiran Guleria, Dr. A. Suneja, Dr. P. Yadav and Dr. N.B. Vaid:** 'Menstrual disorders in adolescence: ascertaining in etiology', NARCHI Conference, Delhi, September 2009.

**Dr. R. Agarwal, Dr. Upasana, Dr. J. Rakesh, Dr. A. Rachna and N.B. Vaid:** Presented To Analyze the Perception of a Patient by Attire of Gynecological from a Set of Questionnaire', XXXI Annual Conference of AOGD, October 2009.

**Dr. Shagun Sinha, Dr. Shalini Rajaram, Dr. Sarla Agarwal, Dr. Neerja Goel, Dr. Neelam B Vaid:** AGOICON 2009, Ludhiana 'Gynecologic Malignancy: 5-Year Analysis from a tertiary hospital', 7 November 2009.

**Dr. Sandhya Jain, Dr. Kiran Guleria, Dr. Bindiya Gupta, Dr. Poonam Yadav, Dr. Abha Sharma and Dr. Neelam Vaid:** 'Intimate Partner Violence- A wake up call', AICOG 2010, Guwahati, 19-22 January 2010.

**Dr. R. Agarwal:** Poster presentation: 'Intravenous leiomyoma: An Enigma in Management', AOGD, New Delhi, October 2009.

Paper presentation: 'Faces per vaginum: A delayed complication of unsafe abortions', XVIII Annual Conference of NARCHI, New Delhi, September 2009.

### **Publications**

**Goel, N., Mehta, S., Rajaram, S. and Srivastava, H. (eds). 2009.** *Practical Manual of Obstetrics and Gynecology for PG Examination.* New Delhi: Jaypee Brothers Medical Publishers Ltd.

Arte Quirurgico en Cirugia Vaginal. Goel, N., Rajaram, S. (Spanish Edition), 2010, Amolca, Venezuela. Original edition, Goel, N. and Rajaram, S. *State-Of-The-Art Vaginal Surgery.* New Delhi: Jaypee Brothers Medical Publishers.

**Goel, N., Rajaram, S., Agarwal, R., Mehta, S. 2010. (eds).** *Step by Step Non-Descent Vaginal Hysterectomy.* New Delhi: Jaypee Brothers Medical Publishers Ltd.

### **Research Articles**

**Rajaram, S., Bhatla, N. and Shobha, S. 2009.** 'The HPV Vaccine Controversy: Sex, cancer, god and politics', *Natl Med. J. India*, 2009(5), 22: 277.

**Rajaram, S. and Gupta, M. 2009.** 'Pregnancy after treatment of ovarian cancers'. *Indian J. Med. and Paediatric Oncology*, 30 (suppl. 1): 35-36.

**Suneja, A., Yadav, P., Sharma, A., Vaid, N.B., Singh, B. and Grover, R.K. 2009.** 'Primary malignant melanoma in cystic teratoma of ovary'. *Indian J. Cancer*, 46(4): 340-42.

**Rashmi, Suneja, A., Yadav, P., Sharma, A. and Vaid, N.B. 2009.** 'Uterine avulsion: A rare cause of cryptomenorrhea'. *J. Pediatr Adolesc Gynecol.*, 22(3): e5-7.

**Gupta, B., Guleria, K. and Vaid, N. 2010.** 'Dysuria: Don't take it lightly'. *Arch Gynecol Obstet.*, PMID: 20390422.

**Lumbiganon, P., Laopaiboon, M., Guleria, K., Agarwal, R., Roy, M., Carroli, G., Ba-Thike K, Filatova, E. and Villar, J. 2010.** 'Method of delivery and pregnancy outcomes in Asia: The WHO global survey on maternal and perinatal health 2007-08', World Health Organisation Global Survey on Maternal and Perinatal Health Research Group. *Lancet*, 6 Feb. 2010, 375(9713): 490-99. Epub 2010 Jan 11. PMID: 20071021.

**Agarwal, R., Sharma, S., Guleria, K., Radhakrishnan, G. and Radhika, A.G. 2009.** 'Primary peritoneal carcinoma: a diagnostic dilemma'. *Arch Gynecol Obstet*. [Epub ahead of print] PMID: 20043172.

**Singh, G., Radhakrishnan, G. and Guleria, K. 2009.** 'Comparison of sublingual misoprostol, intravenous oxytocin, and intravenous methylergometrine in active management of the third stage of labor'. *Int. J. Gynaecol Obstet.*, 107(2): 130-34.

**Bagaria, M., Suneja, A., Vaid, N.B., Guleria, K. and Mishra, K. 2009.** 'Low-dose mifepristone in treatment of uterine leiomyoma: a randomised double-blind placebo-controlled clinical trial'. *Aust N Z J Obstet Gynaecol.*, 49(1): 77-83. PMID: 19281585.

**Rengaraj, G., Guleria, K., Suneja, A. and Gambhir, J.K. 2009.** 'Human chorionic gonadotropin in cervicovaginal secretions as a predictor of preterm birth'. *Gynaecol Obstet Invest.*, 67(3): 202-7.

**Malik, R., Radhakrishnan, G., Radhika, A., Sharma, S., Guleria, K., Agarwal, S. 2009.** 'Growing teratoma Syndrome following immature teratoma stage 1A- a rare clinical entity'. *The Internet Journal of Gynaecology and Obstetrics*, Vol. 12(1).

**Guleria, K., Aggarwal, R., Radhakrishnan, G. and Kalra, O.P. 2009.** 'Placental site trophoblastic tumour presenting as nephrotic syndrome'. *Obst. & Gynae. Today*, XIV(6): 240-42, June 2009.

**Agarwal, R., Suneja, A. and Raina, S. 2010.** 'Tuberculous psoas abscess in obstetrics'. *Archives of Gynaecology and Obstetrics*, 281: 575-76.

**Agarwal, R., Radhika, A.G., Malik, R. and Radhakrishnan, G.** Cotyledonoid leiomyoma and non-desc.

## MICROBIOLOGY (MAMC)

### Ph.D. Degree awarded

Ph.D. - 1

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Integrated counselling and testing centre.	Dr. P. Bhalla	NACO and DSACS
State reference laboratory.	Dr. P. Bhalla	NACO and Delhi State AIDS control Society
CD 4 testing laboratory.	Dr. P. Bhalla	NACO and DSACS
Staphylococcal phage typing centre.	Dr. P. Bhalla	Govt. of NCT of Delhi.
Molecular, epidemiological study of vibrio cholerae isolates from clinical and environmental samples.	Dr. B. Uppal	ICMR
A study of the polymorphism of TGF- $\beta$ , IL-10, TNF- $\alpha$ and IL-6 in patients with chronic HCV infection and its correlation with different HCV genotypes.	Dr. A. Chakravarti	ICMR
Detection of Mycobacterial species causing tuberculous lymphadenitis from the needle aspirate biopsy and samples using polymerase chain reaction.	Dr. C.P. Baveja	ICMR
Detection of mycoplasma pneumoniae and Chlamydophila pneumoniae in clinical samples in pediatric community-acquired lower respiratory tract infections.	Dr. Surinder Kumar	Govt. of NCT of Delhi
Detection of mycoplasma pneumoniae in children with community acquired lower respiratory tract infections.	Dr. Surinder Kumar	UGC
Role of mycoplasma pneumoniae and Chlamydophila pneumoniae in paediatric community acquired lower respiratory tract infections.	Dr. Surinder Kumar	ICMR

Fungal opportunistic infections and their correlation to immunological aspects.	Dr. R. Kaur	ICMR
Identification of <i>Candida</i> species isolated from HIV/AIDS patients and antifungal susceptibility pattern.	Dr. R. Kaur	Govt. of NCT of Delhi
Pathogenicity testing and molecular typing of <i>Candida</i> spp. isolated from HIV/AIDS patients.	Dr. R. Kaur	ICMR

### **Appointments of faculty members to higher Posts/Assignments**

**Dr. P. Bhalla:** Member of Editorial Board of *Journal of Communicable Diseases* and reviewer of articles published in *IJMR*.

**Dr. S. Krishna Prakash:** Chairman, Committee for formulation of antibiotic policy.

**Dr. B. Uppal:** Appointed Judge for Poster session at Annual Conference of Delhi chapter IAMM.

**Dr. A. Chakravarti:** Appointed expert for the ICMR and UGC project review committee. Referee to International journals like *Journal of Medical Virology*, *Archives of Virology* and *Indian Journal of Medical Microbiology*.

**Dr. C.P. Baveja:** Reviewer for research articles of *Indian Journal of Medical Microbiology* for the year 2009.

**Dr. S. Kumar:** Member of University Grant Commission Review Committee for review of MGM Institute of Health Sciences, MGM Campus.

### **Honours/Distinctions**

**Dr. P. Bhalla:** Received the Indian Association of Medical Microbiologists Endowment Lecture Award.

**Dr. P.L. Mehndiratta and Dr. P. Bhalla:** Article published in *IJMM* was awarded Best Paper Prize for Bacteriology for the year 2009 by *Indian Journal of Medical Microbiology*.

**Dr. C.P. Baveja:** Awarded with Silver Jubilee teaching service at MAM college by MAMCOS, December 2009.

### **Seminars/Conferences held**

Organizing Chairperson for CME in Pediatrics Infectious Diseases in 2009 at CNBC, Delhi.

The Department actively participated in the 'Fellowship in HIV Medicine' course conducted by MAMC. Dr. P. Bhalla, Dr. B. Uppal, Dr. A. Chakravarti and Dr. R. Kaur delivered lectures and practical sessions were also arranged.

**Dr. R. Kaur:** Organized Delhi chapter IAMM Workshop on 'Fungal infections' at VMM College.

#### **Seminars/Conferences attended**

**Dr. C.P. Baveja:** Presented a poster entitled 'Diagnosis of female genital tuberculosis by using different methods', III Congress of European Microbiologists – FEMS 2009, International Conference, Gothenberg, Sweden, June 2009.

**Dr. Surinder Kumar:** Presented a research paper, 'DNA amplification and sequence analysis of P1 adhesion gene fragments in Mycoplasma pneumoniae from pediatric lower respiratory tract infections', International Conference of FEMS III Congress of European Microbiologists, Gothenberg, Sweden, 28 June-2 July 2009.

**Dr. Ravinder Kaur:** Attended WHO and Indian Confederation for Health Accreditation Society ICHA Convention on Patient Safety, Delhi, 28-29 November 2009.

Attended SIHAM CME on 'Invasive Fungal Infections–The Challenges Ahead' at R.P. Centre at AIIMS, Delhi, 17 April 2009.

**Dr. P. Bhalla:** Participated in Indian Association of Medical Microbiology Annual Conference 'MICROCON 2009', Mysore, November 2009.

**Dr. Beena Uppal:** Attended Annual Conference of Delhi Chapter of Indian Association of Medical Microbiology, The Habitat Centre, New Delhi.

Presented Paper entitled 'Spectrum of enteric pathogens in HIV/AIDS adult diarrhea patients from Northern India and their response to specific anti-diarrheal therapy', XXXIII National Conference of IAMM, Mysore, 3-8 November 2009.

Presented a paper entitled 'A Clinico-Etiological Profile of Dysentery in children', XLVII National Conference of the Indian Academy of Pediatrics. Madhumita Mishra, K Rajeshwari, Beena Uppal, A.P. Dubey.

**Dr. C.P. Baveja:** Presented a paper entitled 'Comparison of conventional and rapid methods in diagnosis of tuberculosis', XXXIII National Conference of IAMM India, Mysore, 6-9 November 2009.

**Dr. Surinder Kumar:** Presented a paper entitled 'Ycoplasma pneumoniae and asthma in childhood' at XXXIII National Conference of Indian Association of Medical Microbiologists, Microcon 2009 at JSS Medical College, Mysore, 6-9 November 2009.

**Dr. Ravinder Kaur:** Co-author of presented paper entitled 'Topical 1% Voriconazole vs. 5% Natamycin as Primary Treatment in Fungal Corneal Ulcers' at a US Conference.

Attended XXIII Round Table Conference of Ranbaxy Science Foundation on 'Pandemic Influenza Update', 19 September 2009.

## Publications

### Books

**Baveja, C.P.** *A textbook of Microbiology for MLT.*

*Concise Microbiology. A textbook of Microbiology for MLT.*

*Textbook of Microbiology (3rd edn). A textbook of Microbiology for MLT.*

### Research papers

**Gupta, E., Bhalla, P., Khurana, N. and Singh, T. 2009.** 'Histopathology for the diagnosis of infectious diseases'. *Ind. J. Med. Microbiol*, 27(2): 100-6.

**Mehndiratta, P.L., Bhalla, P., Ahmed, A. and Sharma, Y.D. 2009.** 'Molecular typing of Methicillin Resistant Staphylococcus aureus strains by PCR-RFLP of SPA gene: A reference laboratory perspective'. *Ind. J. Med. Microbiol*, 27(2): 116-22.

**Khaki, P., Bhalla, P., Fayaz, A.M., Bidhendi, S.M., Esmailzadeh, M. and Sharma, P. 2009.** 'Molecular Typing of *Neisseria gonorrhoeae* isolates by Opa – Typing and Ribotyping in New Delhi, India'. *Internat. J. Microbiol.*, Vol. 2009, Article ID 93482311, 6 pages, doi:10.1155/2009/934823.

**Kashyap, B., Bhalla, P., Sharma, A. and Saini, S. 2009.** 'Profile of direct walk-in and referred clients attending Integrated Counseling and Testing Centre'. *Internat. J STD AIDS* 2009, 20: 708-11.

**Gautam, H., Bhalla, P., Saini, S., Uppal, B., Kaur, R., Baveja, C.P. and Dewan, R. 2009.** 'Epidemiology of Opportunistic Infections and its correlation with CD4 T-Lymphocyte counts and Plasma Viral Load among HIV- positive patients at a tertiary care hospital in India'. *JIA PAC*, 2009:6, 8(6): 333-37.

**Uppal, B., Kashyap, B. and Bhalla, P. 2009.** 'Enteric Pathogens in HIV/Aids from a Tertiary Care Hospital'. *Ind. J. Commun. Med*, 34(3): 237-42.

**Chakravarti, A., Matlani, M. and Kumar, A. 2009.** 'An IgG avidity test to distinguish between primary and secondary dengue infections using single serum samples'. *WHO Bulletin*, 32: 68-72.

**Sharma, H.J., Multani, A.S., Dutta, A.K., Joshi, S.M., Malik, S., Bhardwaj, B., Chakravarti, A., Namjoshi, G.S., Parekh, S. and Verma, V. 2009.** 'Safety and immunogenicity of an indigenously developed Haemophilus influenzae type B conjugate vaccine through various phases of clinical trials'. *Human Vaccines*, 5(7): 1-5.

**Chakravarti, A., Matlani, M., Rawal, A., Kashyap, B. and Gurtoo, A. 2009.** 'Dengue encephalitis now in India'. *Trop Doct*, 39: 115-16.

**Jain, M., Chakravarti, A., Bhalla, P. and Verma, V. 2009.** 'Seroprevalence of hepatitis viruses in human immunodeficiency virus infected patients'. *IJPM*, 52(1): 17-19.



**Baveja, C.P., Vidyanidhi, G., Jain, M., Choudhary, M., Talukdar, B. and Sharma, V.K. 2009.** 'New methods over the conventional diagnostic tests for tuberculous meningitis: Do they really help'. *Trop Doc*, 39: 18-20.

**Baveja, C.P., Vidyanidhi, G., Choudhary, M. and Jha, H. 2009.** 'Primary case report on liver abscess'. *J. Med. Case Rep*, 3: 78.

**Kumar, S. and Rizvi, M. 2009.** 'Prognostic serum tumor necrosis factor in paediatric patients with sepsis'. *J. Infect Dev Ctries*, 3(6): 437-41.

**Malik, S., Dhingra, V.K., Hanif, M. and Vashist, R.P. 2009.** 'Repeat sputum examination: Efficiency in the new diagnostic algorithm of RNTCP'. *Ind. J. Tuberc*, 56: 17-21.

**Hanif, M., Malik, S. and Dhingra, V.K. 2009.** 'Acquired drug resistance pattern to tuberculosis cases at the State Tuberculosis Centre, Delhi, India'. *Int. J. Tuberc Lung Dis*, 13: 74-78.

**Dhingra, V.K., Malik, S. and Hanif, M. 2009.** 'XDRTB – A report from New Delhi Tuberculosis Centre, India'. *J. Coll Physicians Surg. Pak*, 19: 133-35.

**Malik, S., Dar, L., Broor, S., Gulati, S., Salhotra, A., Kalra, V. and Behari, M. 2009.** 'Subacute Sclerosing panencephalitis in a tertiary care centre in post measles vaccination era'. *J. Commun Dis*, 41: 161-67.

**Rawat, D., Hasan, A.S., Capoor, M.R., Sarma, S., Nair, D., Deb, M., Pillai, P. and Aggarwal, P. 2009.** 'In vitro evaluation of a new cefixime – Clavulanic Acid combination for gram negative bacteria'. *Southeast Asian J. Trop Med. Public Health*, 40(1): 131-39.

## OPHTHAMOLOGY (UCMS)

### New Additions

Dr. Bhuvan Chanana	Lecturer	Ophthalmology
Dr. Vinod Kumar	Lecturer	Ophthalmology

### Honours/Distinctions

**Prof. V.P. Gupta:** Received the Best Paper award of Orbit & Plastic Surgery session of AIOC, Kolkata.

Presented a free paper entitled 'Results of Non-Penetrating deep sclerectomy with and without mitomycin C in POAG' in AIOC, Kolkata.

### Publications

**Gupta, V.P. 2009.** 'Long-term follow up and permanent fistula formation in conjunctivo-DCR with pyrexglass tubes'. *Proceed. 67th AIOC*, 2009: 310-12.

2009. 'New technique for correction of telecanthus in blepharophimosis syndrome'. *Proceed. 67th AIOC*, 2009: 51-53.

2009. 'Prospective randomized controlled study to compare the results of transcutaneous versus transconjunctival frontalis suspension for congenital ptosis with poor levator function'. *Proceed. 67th AIOC*, 2009: 426-27.

**Dhaliwal, U., Singh, N. and Bhatia, A. 2010.** 'Masters's theses from a university medical college: publication in indexed scientific journals'. *Indian J. Ophthalmol*, 58: 101-4.

**Monga, P.K., Parwal, B.P., Rohatgi, J. and Dhaliwal, U. 2009.** 'Are current guidelines for categorization of visual impairment in India appropriate?' *Indian J. Ophthalmol.*, 57: 423-26.

## OPHTHAMOLOGY (GNEC)

### Honours/Distinctions

**Dr. P.K. Pandey:** Awarded A.D. Athawale Award for best free paper titled 'Skew Deviations – Spectrum of Presentation, Diagnosis and Management' at AIOS Conference 2009.

**Dr. Ritu Arora:** Received Gold Medal for services at IIRSI Conference, August 2009.

**Dr. Ruchi Sangal:** Received Gold Medal for excellent work in ophthalmology by Intraocular Implant and Refractive Society at Chennai, 11 July 2009.

**Dr. Kirti Singh:** WHO Fellowship in Low Vision at Aravind Eye Hospital, Madurai.

**Dr. Zia Chaudhuri:** Fellowship in Strabismus and Neuro-ophthalmology, from International Council of Ophthalmology.

### Seminars/Conferences attended

**Dr. Usha Yadava:** 'Unilateral Posterior Polymorphous Dystrophy presenting as Glaucoma: A rare case'. L. Thangkhiew, U. Yadava, Z. Chaudhuri, N. Bamrolia, A. Anand and Vista 2009, XIX Annual Conference of the Glaucoma Society of India under the aegis of Karnataka Ophthalmic Society, Bangalore, 6-8 November 2009.

'Bleb Resuscitation with needling and subconjunctival Bevacizumab in early bleb failure'. A. Anand, U. Yadava, L. Thangkhiew, N. Bamrolia, K. Singh and Vista 2009, XIX Annual Conference of the Glaucoma Society of India under the aegis of Karnataka Ophthalmic Society, Bangalore, 6-8 November 2009.

'Aqueous lake trabeculectomy for juvenile glaucoma', A clinical talk delivered in Delhi Ophthalmic Society, Annual Conference, 2009.

**Dr. Kirti Singh:** 'Phacoemulsification in zonular dialysis', Annual Conference of Intraocular implant and Refractive Society of India, 29-30 August 2009.

'Combined SICS trabeculectomy', Annual Conference of Intraocular Implant and Refractive Society of India, 29-30 August 2009.

'Instruction Course in Glaucoma Diagnosis-Perimetry and Gonioscopy skills', Annual North Zone Conference at Gurgaon, 4 October 2009.

Ethnic Influences on 'Glaucoma Diagnosis and Management: A Global Perspective'. Chief Instructor at Instruction course: IC no 608, San Francisco, California, USA, at Annual American Academy of Ophthalmology and Pan American Association of Ophthalmology Conference, 24-27 October 2009.

'Update your anterior chamber skills: How to best examine, grade and treat co-instructor' at Instruction course no 427 IC no 608, San Francisco, California, USA, at Annual American Academy of Ophthalmology and Pan American Association of Ophthalmology Conference, 24-27 October 2009.

**Dr. Zia Chaudhari:** 'Work-up of a case of ophthalmoplegia' at the Squint and Neuro-ophthalmology session, Delhi Ophthalmological Society Mid-Term Conference, New Delhi, 15 November 2009.

**Dr. Ritu Arora:** Co-presenter for poster at American Academy of Ophthalmology at San Francisco, 'Comparative evaluation of 1% topical variconazole vs 5% Natamycin as a primary treatment for fungal keratitis', October 2009.

### **Publications**

**Kumar, V., Ghosh, B., Raina, U.K. and Goel, N. 2009.** 'Bilateral Periobital Ecchymosis in a case with Dengue fever'. *Indian Jour. of Ophthalmology*, 57(3): 243-43.

**Kumar, V., Ghosh, B., Thakar, M. and Goel, N. 2009.** 'Retinal pigment epithelium strophy following Indocyanine green assisted surgery for serious macular detachment'. *Indian Jour. of Ophthalmology*, 57(4): 326-27.

**Yadava, U., Tanwar, M., Dada, T., Sihota, R., Das, T.K. and Dada, R. 2009.** 'Muttion Spectrum of CYP1B1 in North Indian congenital glaucoma patients'. *Mol. Vision*, 15, 1200-09.

**Pandey, P.K., Vats, P., Bansal, Y. and Amar, A. 2009.** 'Simultaneous Adduction and Convergence Retraction: The verisimilitudes for synergistic convergence'. *Arch Ophthalmol.*, 127(6): 827-28.

**Pandey, P.K., Vats, P., Jain, P., Amar, A. and Bansal, Y. 2009.** 'Retinitis Pigmentosa associated with blepharophimosis, blue dot cataract and primary inferior oblique overaction: A New Syndrome complex or consummate myotonic dystrophy? *Indian J. Ophthalmol*, 57(4): 325-26.

**Pandey, P.K., Vats, P., Amar, A. and Bansal, Y. 2009.** 'Evaluation of distance and near stereoacuity and fusional vergence in intermittent exotropia'. *India J. Ophthalmol*, 57(1):71-72.

- Gupta, D., Arora, R. and Goyal, J.L. 2009.** 'Specular Microscopy'. *DOS Times 2009*, 14: 43-47.
- Kang, J., Goyal, J.L., Goyal, G. and Arora, R. 2009.** 'Recent imaging techniques in Glaucoma'. *Ophthalmology Today*, 10(3): 77-83.
- 2009.** 'Recent advances in Electrophysiology', *Ophthalmology Today*, 10(3): 77-83.
- Arora, R., Mehta, S., Goyal, J.L., Jain, S. and Gupta, D. 2009.** 'Tear drop sign of posterior capsular dehiscence on Scheimpflug imaging'. *Eye*, 12/6/2009 doi 10. 1038/eye 2009.134
- Arora, R., Mehta, S., Goyal, J.L., Pahuja, S., Gupta, D. and Gupta, R. 2009.** 'Pattern of Scheimpflug imaging in anterior segment foreign bodies'. *Eye* (18/12/2009) doi 10. 1038/eye 2009.302
- Kumar, V., Ghosh, B., Raina, U.K. and Goel, N. 2009.** 'Bilateral Periorbital Ecchymosis in a case with Dengue Fever'. *India J. Ophthalmol*, 57(3): 242-43.
- 2009.** 'Efficacy and safety of one intravitreal injection of Bevacizumab in diabetic macular oedema'. *Acta. Ophthalmol*, 2009 Jun 22 [Epub ahead of print]\*.
- Kumar, V., Ghosh, B., Kaul, U., Thakar, M. and Goel, N. 2009.** 'Posterior polar cataract surgery: A posterior segment approach'. *Eye*, 2009 Sept, 23(9): 1879\*.
- Kumar, V., Ghosh, B., Raina, U.K. and Goel, N. 2009.** 'Macular hole closure following intravitreal triamcinolone injection in a previously vitrectomized diabetic eye'. *Acta. Ophthalmol*, Oct {Epub ahead of print}\*.
- 2009.** 'Subthreshold diode micropulse panretinal photocoagulation for proliferative diabetic retinopathy'. *Eye*, Nov. 2009, 23(11): 2122-23\*.
- Kumar, V., Ghosh, B., Raina, U.K. and Goel, N. 2009.** 'Central serous chorioretinopathy (CSCR) in a patient with congenital retinal macrovessel'. *Canadian Journal of Ophthalmology*, Dec. 2009, 44(6): e57\*.
- Chaudhuri, Z., Chaudhary, R., Ghosh, B., Raina, U.K. and Mehta, S. 2009.** 'Optical Coherence tomography of traumatic maculopathy following blunt trauma with sugarcane'. *Ophthalmic Surg. Laser imaging*, Jul-Aug, 2009, 40(4): 421-24.
- Sharma, P., Chaudhuri, Z., Raina, U.K., Ghosh, B. and Seth, S. 2009.** 'Abnormal ocular electrophysiology in sjogren - larsson syndrome'. *J. Paediatric Ophthalmol Strabismus Journals*, 40(1): 42-44.
- Grover, A.K., Chaudhuri, Z., Malik, S., Bageja, S. and Menon, V. 2009.** 'Congenital eyelid colobomas in 51 patients'. *J. Ped Ophthalmol Strab*, 46(3): 151-59.
- Vanathi, M., Panda, A., Vengayil, S., Chaudhuri, Z. and Dada, T. 2009.** 'Pediatric Keratoplasty'. *Surv Ophthalmol*, Mar-Apr, 54(2): 245-71.

- Sangal, R., Malik, K.P.S. and Goel, R. 2009.** 'Nuclear management with Blumenthal technique : Anterior chamber maucuner. *IJO*, 57, 23-25.
- Gupta, A.K., Ghosh, B., Sharma, M. and Goswani, A. 2009.** 'Aqueous Drainage Devices', in *Clinical Ophthalmology Contemporary Perspectives*, 9th edn, pp. 305-16.
- Ghosh, B., Gupta, A.K. and Mazumdar, S. 2009.** 'Liquid Perfluorocarbons in Vitreous Surgery' in *Clinical Ophthalmology Contemporary Perspectives*, 9th edn, pp. 454-58.
- Yadava, U. 2009.** *Childhood Glaucomas*, published as part of CME series under the aegis of All India Ophthalmic Society.
- Goyal, J.L., Goyal, J.L. and Arteaga, A.P. 2009.** *Instant Clinical Diagnosis in Ophthalmology – Neuro-Ophthalmology*, Series editors Garg, A. and Rose, E. Delhi: JPB Publishers.
- Dadeya, S. CME Series on Amblyopia.** All India Ophthalmic Society.
- Chaudhuri, Z. 2009.** 'Evaluation of a patient with orbital disease'. In: *Contemporary Perspective on Ophthalmology*, (eds), Gupta, A.K. and Krishna, V. Elsevier, A division of Read Elsevier India Ltd.
- Gupta, A.K. and Krishna, V. 2009.** In: *Contemporary Perspectives on Ophthalmology*, (2<sup>nd</sup> edn), (eds), Gupta, A.K. and Krishna, V. Elsevier, A division of Reed Elseiver India Ltd.
- Goyal, J.L. and Mehta, S. 2009.** 'Disorders of Neuromuscular Transmission' in *Instant Clinical Diagnosis in Ohthalmology–Neuro-Ophthalmology*, edited by Garg, A., Rose, E., Arteag, A.P. and Goyal, J.L. Delhi: JPB Pub., pp. 251-54.
- Goyal, J.L. and Mehta, S. 2009.** 'Myopathies affecting extraocular Muscles'. In *Instant Clinical Diagnosis in Ophthalmology–Neuro–Ophthalmology*, by Garg, A., Rose, E., Arteaga, A.P. and Goyal, J.L. Delhi: JPB Pub., pp. 255-58.
- Goyal, J.L. and Kang, J. 2009.** 'Neuro-Ophthalmic Manifestations of Non-Organic Diseases'. In *Instant Clinical Diagnosis in Ophthalmology–Neuro–Ophthalmology* by Garg, A., Rose, E., Arteaga, A.P. and Goyal, J.L. Delhi: JPB Pub., pp. 283-92.
- Goel, R.S. 2009.** Two chapters in the Ready Reckoner edited by Ramamurthy, D. published by AIOS pp. 136-8 & 184-7.
- Goyal, R.** *Anterior chamber clearance syndrome in childhood glaucomas*, edited by Yadava, U. in AIOS CME series, 19: 21-30.

## PULMONARY MEDICINE (VPCI)

### Ph.D. Degree awarded

Ph.D. - 1

### Research schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Multicentric study of pulmonary function in Normal adult in India: Development of reference standards for spirometry, static lung volumes and single breath diffusion capacity.	Prof. S.K. Chhabra	ICMR
To study the prevalence of Obstructive Sleep Apnoea amongst middle aged Chronic Obstructive Airway Disease (COPD & persistent asthma) patients by a home based sleep study and atopy.	Prof. Raj Kumar	UGC
<i>Programmes taken up involving inter-institutional collaboration</i>		
Evaluation of choline as an anti-inflammatory agent for the treatment of asthma.	Prof. S.N. Gaur	University of Pune
Studies on allergen specific immunotherapy in patients of respiratory allergy.	Prof. S.N. Gaur	University of Pune

### Honours/Distinctions

**Prof. V.K. Vijayan:** Member, Executive Committee, Asian Pacific Society of Respiriology; Member, Central Planning Committee, Asian Pacific Society of Respiriology; Member, Editorial Board, World Allergy Organisation Journal; Member, Scientific Advisory Committee, New Delhi Tuberculosis Centre; Member, Board for Updation of Curriculum in the Specialty of Pulmonary Medicine, Medical Council of India and Member, Advisory Panel for assessing the suitability of candidates for election for Fellowship of the National Academy of Medical Sciences (India) in the discipline of Respiratory Medicine- 2009.

Expert Member, Interdepartmental Review Panel, High Altitude Medical Research Centre (HAMRC), a joint venture between Defence Research and Development Organisation (DRDO) and Directorate General of Armed Force Medical Services (DGAFMS); Expert Member, Committee of the Project Review Group (PRG) for Indo-US Project Proposals

in the area of Environmental and Occupational Health, Indian Council of Medical Research (ICMR), New Delhi; Expert Member, ICMR Expert Committee for the assessment of Research Officer (Scientist B) and Senior Research Officer (Scientist C), Assistant Director/ Assistant Director General (Scientist D) and Deputy Director/Deputy Director General (Scientist E) at NIOH for grant of promotions/advance increments and Expert Member, Selection Committee for the post of Scientist Gr. IV(1) at Indian Institute of Toxicology Research under CSIR, Lucknow.

Chairman, Sub committee on UG and PG Examination Reforms, Faculty of Medical Sciences, Delhi University.

Advisor, Union Public Service Commission, New Delhi, to select candidates for the post of Assistant Professor (Chest Medicine), JIPMER, Pondicherry, Specialist Grade II (Teaching Specialist Sub-cadre).

**Prof. S.N. Gaur:** Fellow, National Academy of Medical Sciences, New Delhi, 2008, scroll received 2009, Lucknow.

Member, Asia Pacific Basin Region Committee of AAAAI; Member, Adverse reaction to Food Allergy Committee of AAAAI (USA); Member, Air pollution and Indoor allergen Committee of AAAAI (USA); Member, Committee for Formation of Guidelines for Nurses for Management of MDR-TB cases; National Advisor, Organizing Committee, NAPCON-09, Calicut; Member, Organizing Committee, ICAAICON-09, Chandigarh; Member, Tuberculosis Association of India – Standing Technical Committee and Member, Advisory Board, Delhi T.B. Association.

**Prof. Ashok Shah:** Referee, International journals: (i) *Allergy*, (ii) *Asian Pacific Journal of Allergy and Immunology*, (iii) *Annals of Thoracic Medicine*, (iv) *Respiration*, (v) *Respirology*

Referee, National journals: (i) *Indian Pediatrics*, (ii) *Indian Journal of Tuberculosis*.

Member, Technical Screening Committee of Biotech Consortium India Limited for due diligence of a project submitted by Arbro Pharmaceuticals Limited, New Delhi, in collaboration with All India Institute of Medical Sciences, New Delhi, and LRS Institute of TB and Respiratory Diseases, New Delhi, under the scheme of Small Business Innovation Research Initiative of the Department of Biotechnology, Ministry of Science and Technology and Member, Society Representative to Asia Pacific Association of Allergy, Asthma and Clinical Immunology.

Invited for a Plenary Session talk at the IV Trends in Medical Mycology of the European Confederation of Medical Mycology and by the Infectious Diseases Group of the European Organization for Research and Treatment for Cancer at Hotel Hilton Athens, Athens, Greece, 18-21 October 2009; talk on 'Allergic bronchopulmonary aspergillosis', NCCP Cipla Oration of the National College of Chest Physicians of India; Oration delivered at the XI Joint National Conference of Pulmonary Diseases of the Indian Chest Society and the National College of Chest Physicians (India) NAPCON 2009; Calicut Oration on 'Aspergillus associated hypersensitivity respiratory disorders', 5-8 November 2009.

Young Investigators Award to Dr. Nikhil Modi under the guidance of Prof. Ashok Shah by the Organizing Committee to attend the XIV Congress of Asian Pacific Society of Respiriology at Seoul, Korea, November 2009. Also awarded the Travel Grant by the Department of Biotechnology.

**Prof. S.K. Chhabra:** Referee, International journals: (i) *Thorax*, (ii) *Respiratory Medicine*, and (iii) *Annals of Thoracic Medicine*.

Referee, National journals: (i) *Indian Journal of Medical Research*, (ii) *Indian Journal of Chest Diseases*, (iii) *Indian Journal of Allergy, Asthma and Applied Immunology*, and (iv) *Lung India*.

**Prof. Raj Kumar:** Reviewer: International Journals: *Chest*, *British Medical Journal*, *Tobacco Control*, *Respiratory Medicine*, *International Journal of Occupational Health & Environmental Medicine*. **National:** *Indian Journal of Chest Diseases*, *Indian Journal of Allergy, Asthma & Applied Immunology*, *Lung India*.

### **Seminars/Conferences held**

**Prof. S.N. Gaur:** National Advisor, Organizing Committee, NAPCON-2009, Calicut, 5-8 November 2009.

Member, Organizing Committee, ICAAICON-08 & 09, Chandigarh, 1-4 October 2009.

**Prof. Raj Kumar:** Organizing Secretary, Seminar on 'Environmental Lung Diseases', VP Chest Institute, 6 April 2009.

Organizing Secretary, Seminar on 'Pneumonia – IX CME', VP Chest Institute, 13 February 2010.

Organizing Secretary, XXXV Workshop on 'Respiratory Allergy: Diagnosis and Management', VP Chest Institute, 8-12 March 2010.

### **Seminars/Conferences attended**

**Prof. S.N. Gaur:** Lecture on 'Immunotherapy is an evidence based intervention for asthma – WHO - How strong is the evidence?', Workshop no. 2, 'Allergy testing and Immunotherapy', during ICAAICON-09, Chandigarh, 1-4 October 2009.

'Global warming and Respiratory health', VIII RAJCON, Bikaner, 4-5 April 2009.

'Immunotherapy for allergic diseases: Present scenario', ICAAICON-09, Chandigarh, 1-4 October 2009.

'Global warming and its effect on Lung', NAPCON-09, Calicut, 5-8 November 2009.

'Immunotherapy–Current Guidelines in bronchial asthma', in a session on Obstructive Airway Diseases, IX RAJCON-2010, Udaipur, 13-14 March 2010.



Guest Lecture on 'Sublingual Immunotherapy, CME on Allergen Immunotherapy', during NAPCON-09, Calicut, 5-8 November 2009.

Guest Lecture on 'Overview of Immunotherapy: Present scenario, CME on Update on Allergy and Asthma', during BROCHOCON-2010, Agra, 7 February 2010.

Panel discussion in Interactive session on Immunotherapy (during Symposium-13), ICAAICON-09, Chandigarh, 1-4 October 2009.

Panel discussion in Interactive session on Immunotherapy, CME on Update on Allergy and Asthma, during BROCHOCON-2010, Agra, 7 February 2010.

Co-Chair, Allergy and Immunotherapy section, Global Health Summit (Indo-USA-UK CME), New Delhi, 2-3 January 2010.

VIII RAJCON-09, Bikaner, 4-5 April 2009.

Symposium-I 'Asthma: Epidemiology and Pathophysiology', ICAAICON-09, Chandigarh, 1-4 October 2009.

Symposium-V-Allergy & Immunotherapy', ICAAICON-09, Chandigarh, 1-4 October 2009.

NAPCON-09, Calicut, 5-8 November 2009.

BRONCHOCON-2010, Agra, 5-7 February 2010.

Session-II Seminar on 'Pneumonia', 9th CME, VPCI, Delhi, 13 February 2010.

IX RAJCON-2010, Udaipur, 13-14 March 2010.

**Prof. Ashok Shah:** XXVIII Congress of the European Academy of Allergology and Clinical Immunology, Warsaw, Poland, 6-10 June 2009.

Chaired a Workshop on 'Diagnosis and Management of Asthma', 10 June 2009.

IV Trends in Medical Mycology of the European Confederation of Medical Mycology and by the Infectious Diseases Group of the European Organisation for Research and Treatment for Cancer at Hotel Hilton Athens, Athens, Greece, 18-21 October 2009.

Plenary Session talk on 'Allergic bronchopulmonary aspergillosis', 20 October 2009.

IX Assembly of the Yugoslav Association of Sarcoidosis, International Conference on Multisystem Sarcoidosis at Belgrade, Serbia, 15-16 October 2009.

(i) Lecture delivered 'Ethnic and geographical variation in the presentation of sarcoidosis'.

(ii) Chaired a session on 'Immunology and genetics in sarcoidosis', XIV Congress of the Asian Pacific Society of Respiriology and 3rd Joint Congress of the Asian Pacific Society of Respiriology and the American College of Chest Physicians, hosted by the Korean Academy of Tuberculosis and Respiratory Diseases, held at Seoul, Korea, 14-18 November 2009.

**Dr. Nikhil Modi and Ashok Shah:** Attended and made an oral presentation on ‘Assessment of disease severity in patients with allergic rhinitis when categorized as “sneezers and runners” and “blockers”’.

VIII State Conference of Tuberculosis and Respiratory Diseases, Rajasthan Chapter of National College of Chest Physicians India (NCCP RAJCON 2009) organized by the Department of Tuberculosis and Respiratory Diseases, S.P. Medical College, Bikaner, 4-5 April 2009.

Delivered a lecture on ‘Sarcoidosis: Indian Scenario’.

Attended National Seminar on ‘Environmental Lung Disease’ organized by the V.P. Chest Institute at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi, 6 April 2009.

Chaired a Session on ‘Air pollution and health in India and Respiratory consequences of Bhopal Disaster’.

1st Annual Conference of the National Allergy Asthma Bronchitis Institute organized at the Indian Science Congress House, Kolkata, West Bengal, 4-5 July 2009.

Delivered lectures on (i) How to do a literature search, (ii) Sarcoidosis – How do we see it in India, (iii) Anaerobic lung infections.

CME organized by the Indian Academy of Pediatrics, Alwar District Branch, at Hotel Clarks Inn Alwar, Rajasthan, 22 August 2009.

Lecture delivered on ‘Allergic inflammation, asthma, rhinitis and sinusitis’.

CME organized by the Chest Department, Medical College, Kolkata, 19 September 2009.

Lecture delivered on ‘Asthma - Yesterday, today and tomorrow’.

XLIII Annual Convention of the Indian College of Allergy, Asthma and Applied Immunology organized by the Department of Pulmonary Medicine, Government Medical College & Hospital, Chandigarh, 1-4 October 2009.

(i) Lecture delivered on ‘One airway, one disease’.

(ii) Chaired a session on ‘Aeroallergens’.

National Conference on Recent Advances in Medical Specialties, AMRICON 2009, organized by the Department of Academics & Health Research, AMRI Hospitals, at Science City Auditorium, Kolkata, 10-11 October 2009.

Lecture delivered on ‘Sarcoidosis-current perspective’.

Chaired a session on ‘PFT - How do we interpret it now?’

XI Joint National Conference of Pulmonary Diseases of the Indian Chest Society and the National College of Chest Physicians (India) NAPCON 2009. Calicut, 5-8 November 2009.

NCCP Cipla Oration of the National College of Chest Physicians of India.

Oration delivered on 'Aspergillus associated hypersensitivity respiratory disorders'.

VIII National Conference of the Society for Indian Human and Animal Mycology (SIHAM 2010) organized by the Department of Ocular Microbiology, All India Institute of Medical Sciences, Delhi, 4-6 March 2010.

Lecture delivered on 'Allergic bronchopulmonary aspergillosis'.

XXXV Workshop on 'Respiratory Allergy' organized by VPCI in collaboration with the Institute of Genomics and Integrative Biology at the Paintal Memorial Golden Jubilee Auditorium, V.P. Chest Institute, Delhi, 8-12 March 2010.

IX Annual Conference of the Rajasthan Chapter of National College of Chest Physicians India (NCCP RAJCON 2010) organized by the Department of Pulmonary Medicine, Geetanjali Medical College and Hospital, Udaipur, 13-14 March 2010.

Lecture delivered on 'Allergic Bronchopulmonary Aspergillosis: Diagnostic algorithm'.

Chaired sessions on (a) Symposium on COPD  
(b) Free paper session

World Tuberculosis Day Symposium organized by the Department of Medicine, Hindu Rao Hospital, Delhi, 26 March 2010.

Lecture delivered on 'Rationale of treatment of tuberculosis'.

**Prof. S.K. Chhabra:** Delivered Lecture on 'Sick Building Syndrome' at National Seminar on 'Environmental Lung Diseases', VPCI, Delhi University, 5 April 2009.

XVIII Annual Conference of Delhi Diabetic Forum, Hotel Ashok, New Delhi, 19-20 April 2009.

XLIII Annual Conference of The Indian College of Allergy, Asthma and Applied Immunology (ICAAICON-2009). Chandigarh, 1-4 October 2009. Lecture on (1) Spirometry: Patient preparation and indications in the workshop on 'Pulmonary Function Tests', (2) Management of asthma and assessment of control.

Delivered two lectures in workshop on 'Pulmonary Function tests': (1) Spirometry: Basics and Indications (2) Lung Volumes: Terminology, at National Conference on Pulmonary Diseases (NAPCON 2009), Calicut, 5-8 November 2009.

Chaired session on 'Analysis and clinical application of ABG'. Medicine Update 2009, Maulana Azad Medical College, New Delhi, 21-23 December 2009.

Chaired Panel Discussion on COPD LXIV National Conferences on Tuberculosis and Chest Diseases, Kolkata, 27-29 December 2009.

Delivered lecture on 'Hospital Acquired Pneumonia' at Seminar on 'Pneumonia', IX CME, V.P. Chest Institute, Delhi, 13 February 2010.

XXXV Workshop on 'Respiratory Allergy: Diagnosis and Management', New Delhi, 8-12 March 2010. V.P. Chest Institute and Institute of Genomics & Integrative Biology. Delivered lectures on: (1) Control of bronchial Asthma, (2) Practical demonstrations on Pulmonary Function Tests.

**Prof. Raj Kumar:** Attended Seminar on 'Environmental Lung Diseases', VPCI, 6 April 2009.

Attended National Consultation Workshop on 'Tobacco and Cancer', organized by the Directorate General of Health Services, Govt. of India, Vigyan Bhawan, New Delhi, 18 May 2009.

Seminar on 'Smoking at Workplace', organized by the Indian Association of Occupational and Environmental Health, India Habitat Centre, New Delhi, 19 July 2009.

Total Lung Health-2009, Conference organized by Bangladesh Lung Foundation, Dhaka, Bangladesh, 18-20 August 2009.

EPIC II Symposium on 'Emerging Paradigm in COPD (EPIC)', organized by Lupin Limited, Hotel Le Meridian, New Delhi, 2 September 2009.

The Indian College of Allergy, Asthma & Applied Immunology (ICAAICON-2009), organized by Chandigarh Medical College, Chandigarh, 1-4 October 2009.

Allergy and Skin Prick Testing Workshop, organized by the National Allergy Asthma Bronchitis Institute, Kolkata, 13 December 2009.

Continuing Medical Education, organized by NAMCOS, Maulana Azad Medical College, New Delhi, 20 December 2009.

IV National Conference of Tuberculosis and Chest Diseases (NATCON-2009), organized by the Tuberculosis Association of India, National Science Centre, Kolkata, 27-29 December 2009.

III Global Health Summit, organized by IMA APPI at ITC Maurya Hotel, New Delhi, 3-4 January 2010.

Seminar on 'Pneumonia', IX CME, VP Chest Institute, 13 February 2010.

XXXV Workshop on 'Respiratory Allergy: Diagnosis and Management', organized by VPCI, Delhi, 8-12 March 2010.

**Dr. Balakrishnan Menon:** XIX European Respiratory Society Annual Congress at Vienna, Austria, 12-16 September 2009.

National Seminar on 'Environmental Lung Diseases' at VPCI, New Delhi, 6 April 2009.

XLIII Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAAICON 2009), Chandigarh, 1-4 October 2009.

XI National Conference of Indian Chest Society and National College of Chest Physicians (NAPCON - 2009), Calicut, Kerala, 5-8 November 2009.

Seminar on 'Pneumonia', IX CME, at VPCI, New Delhi, 13 February 2010.

XXXV Workshop on 'Respiratory Allergy: Diagnosis and Management', VPCI Delhi, 8-12 March 2010.

CME on DOTS and DOTS Plus at Babu Jagjivan Ram Hospital, New Delhi, 5 March 2010.

### **Publications**

**Vijayan, V.K. 2009.** 'Parasitic lung infections'. *Curr. Opin Pulm Med.*, 15: 274-82.

**Sharma, V., Singh, B.P., Gaur, S.N., Pasha, S., Arora, N. 2009.** 'Bioinformatics and immunologic investigation on B and T Cell epitopes of Cur l 3, a major allergen of *Curvularia lunata*'. *J. Proteome Res*, 8(6): 2650-5.

**Kukreja, N., Sridhara, S., Singh, B.P., Gaur, S.N. and Arora, N. 2009.** 'Purification and immunological characterisation of a 12-kDa allergen from *Epicoccum purpurascens*'. *FEMS Immunol Med Microbiol*, 56(1): 32-40.

**Mehta, A.K., Arora, N., Gaur, S.N. and Singh, B.P. 2009.** 'Acute toxicity assessment of choline by inhalation, intraperitoneal and oral route in Balb/c mice'. *Regul Toxicol Pharmacol*, 54: 282-6.

**Srivastava, D., Singh, B.P., Arora, N. and Gaur, S.N. 2009.** 'Clinico-immunologic study on immunotherapy with mixed and single insect allergens'. *J. Clin Immunol*, 29(5): 665-73.

**Mehta, A.K., Arora, N., Gaur, S.N. and Singh, B.P. 2009.** 'Choline supplementation reduces oxidative stress in mouse model of allergic airway disease'. *Eur. J. Clin Invest*, 9(10): 934-41.

**Mehta, A.K., Singh, B.P., Arora, N. and Gaur, S.N. 2009.** 'Choline attenuates immune inflammation and suppresses oxidative stress in patients with asthma'. *Immunobiology*, [Epub Nov 6, 2009, PMID 19897276].

**Srivastava, D., Mehta, A.K., Arora, N., Gaur, S.N. and Singh, B.P. 2010.** 'Proteolytically inactive Per a10 allergen of *Periplaneta Americana* modulates Th2 response and enhances IL-10 in mouse model'. *J. Clin Immunol*, 2010[Epub Jan 14, 2010, PMID 20072850].

**Gaur, S.N., Singh, B.P., Singh, A.B., Vijayan, V.K., Agarwal, M.K. 2009.** 'Guidelines for practice of Allergen Immunotherapy in India'. *Indian J. Allergy Asthma Immunol*, 23(1): 1-21.

**Arora, N., Kukreja, N., Nair, S., Gaur, S.N. and Singh, B.P. 2010.** Chapter 13: 'Allergic Immunotherapy: Current approaches for management of allergic rhinitis and asthma'. In: Hanppage NY 11788-3619: Nova Science Publishers, Inc. (www.novapublishers.com).

**Panjabi, C., Sahay, S. and Shah, A. 2009.** 'Aspergilloma formation in cavitating sarcoidosis'. *J. Bras Pneumol*. 35: 480-483.

- Shah, A. and Pawankar, R. 2009.** 'Allergic rhinitis and co-morbid asthma: Perspective from India- ARIA Asia-Pacific Workshop Report'. *Asian Pac J. Allergy Immunol.* 27: 71-7.
- Shah, A. 2010.** 'How to diagnose allergic bronchopulmonary aspergillosis'. In: *Pasqualotto AC ed Aspergillosis: From diagnosis to prevention.* The Netherlands: Springer Science and Business Media B.V., pp. 725-46.
- Chhabra, S.K., Gupta, A.K. and Khuma, M.Z. 2009.** 'Evaluation of three scales of dyspnea in chronic obstructive pulmonary disease'. *Ann Thorac Med,* 4: 128-32.
- Chhabra, S.K. 2010.** 'Pulmonary hypertension associated with chronic obstructive pulmonary disease'. *Indian J. Chest Dis Allied Sci,* 52: 29-40.
- Kumar, R., Prakash, S., Kushwah, A.K. and Vijayan, V.K. 2010.** 'Breath carbon monoxide concentration in cigarette and bidi smokers in India'. *Indian J. Chest Dis. All Sci.* 52: 19-24.
- Singh, P. and Kumar, R. 2010.** 'Assessment of the effectiveness of sustained release bupropion and intensive physician advice in smoking cessation'. *Lung India,* 27: 11-8.
- Menon, B. 2009.** 'Evaluation of oxidant-antioxidant status in different stages of COPD: determination of serum paraoxonase I and malonyldialdehyde levels'. *European Respiratory Journal,* 32(52): 195s.

## PHYSIOLOGY (MAMC)

### New Addition

Dr. S.K.Bajaj - Professor

### Honours/Distinctions

**Dr. Rashmi Babbar:** Member, Board of editors for South Asia Advisory board for *Textbook of Medical Physiology* by A.C. Guyton & Hall.

Member, Board of editors for South Asia advisory board, Lippincott Williams Wilkins book.

### Seminars/Conferences held

**Dr. R. Babbar, Dr. A.K.Jain, Dr. V.P. Varshney, Dr. Mona Bedi, Dr. Bal Krishan, Dr. Daya Ram, Dr. Shilpa Khullar:** Attended Workshop on 'Information Technology and Health care' organized by MAM College, New Delhi, 20 August 2009.

**Dr. V.P. Varshney, Dr. Mona Bedi, Dr. Bal Krishan, Dr. Daya Ram, Dr. Shivani, Dr. Nasreen Akhtar, and Dr. Shilpa Khullar:** Attended Symposium on 'Emerging roll of physiology and life style intervention in Health Sciences', an update on Nutrition, organized by UCMS, New Delhi, 18 September 2009.

**Dr. Rashmi Babbar:** Attended XV World Congress of International Confederation for Plastic, Reconstructive and Aesthetic Surgery, 29 November 2009.

## **Publications**

### **Books**

**Jain, A.K. 2009.** *Textbook of Physiology*, Vol. II (4th edn).

*Human Anatomy and Physiology for Pharmacy Students* (2<sup>nd</sup> edn).

*Concise Practical Physiology* (1st edn).

*Basic Health and Physiology Education* for standard IX students.

All books published by Avaichal Publishing, New Delhi.

### **Research articles in books or scholarly journals**

**Mourya, M., Mahajan, A.S., Singh, N.P. and Jain, A.K. 2009.** 'Effect of slow and fast breathing exercise on autonomic functions in patients with essential hypertension'.

*Alternative and Complementary Medicine*, 15(7): 711-17.

**Khullar, S., Babbar, R., Jain, A.K. and Agarwal, A.K. 2009.** 'Auditory brainstem responses and auditory reaction time in Indian males and their relationship to presbycusis'.

*J. Advance Researcher in Biological sciences*, 1(1): 54-62.

**Khullar, S. and Khullar, M.** 'A comparative study of effects of transendal meditation TM and yogasans on autonomic activity'. *J. Advance Researchers in Biological Sciences*. 1(1): 33-40.

**Khullar, S., Gupta, N. and Babbar, R. 2009.** 'Auditory brainstem responses and nerve conduction velocity in essential hypertensive vascular diseases prevention'. 5: 121-25.

**Bedi, M., Varshney, V.P. and Khullar, S. 2009.** 'Assessment of autonomic function activity in obese children in vascular diseases prevention'. 6: 166-68.

**Bedi, M., Varshney, V.P., Khullar, S. and Gupta, A. 2009.** 'Effect of diet on BMI in normal and obese young adults'. *J. Advance Research in Biological sciences*, July 2009, 1: 13-17.

**Bedi, M., Varshney, V.P. and Khullar, S. 2009.** 'Assessment of Bronchial Liability on exposure to isometric exercise during different phases of menstrual cycle'. *J. Graduate Medical Education training and Research*, 4: 46-49.

**Yadav, A., Kanojia, S., Babbar, R. and Mala, Y.M. 2009.** 'Brain stem auditory evoked potential in pregnancies complicated by pre-eclampsia'. *Biomedicine*, 29(4): 332-5.

**Choudhari, N., Sukriti Dinesh and Babbar, R.** 'Effect of probiotic on expression of TLR4/CD14 and cytokine response in endotoxin induce portal hypertension in rabbit model'. 2<sup>nd</sup> International Symposium on Medicinal and Nutraceutical plants, 25-27 November 2009, p. 71.

**Parveen, A., Babbar, R., Agarwal, S., Kotwani and Fahim, M.** 'Effect on terminalia Aarjun in isopropretenole induced chronic heart failure'. 2nd International Symposium on medicinal and Nutraceutical plants, 25-27 November 2009, p. 63.

**Khullar, S. and Babbar, R. 2010.** 'Effect of electromagnetic generated by mobile phones on the auditory system'. *Biomedicine*, 30(1): 8-12.

## PHARMACOLOGY (UCMS)

### Ph.D. Degrees awarded

Ph.D. - 2

### Seminars/Conferences attended

**Dr. Sumita Halder, Dr. Seema Jain and Dr. Pramod Kumari Mediratta:** International Conference on Recent Advances in Cardiovascular Sciences, DIPSAR, New Delhi, 3-4 February 2010.

**Dr. K.K. Sharma:** International symposium on 'India - An Emerging Destination for Clinical Trials', sponsored by Ministry of Science & Technology, Govt. of India & ICRI, New Delhi, India Habitat Centre, New Delhi, 14 January 2010.

International CME on Drug Discovery and Development, Datta Meghe Institute of Medical Sciences, IN Medical College & Acharya Vinoba Bhave Rural Hospital, Sawangi (Meghe), Wardha, 24 February 2010.

**Dr. Seema Jain:** National symposium on 'Epilepsy: Recent advances in drug discovery and treatment', Jamia Hamdard, New Delhi, 13 February 2010.

National symposium on 'Emerging Role of Physiology and Lifestyle Intervention in Health Sciences: An update on Nutrition', University College of Medical Sciences.

**Naresh Khanna:** National Conference of Indian Pharmacological Society at Kolkata Clinical Research Workshop, Christian Medical College, Ludhiana, Punjab.

**Pramod Kumari:** Mediratta Seminar on 'Best Practices in Pharmacovigilance', Department of Pharmacology, AIIMS, New Delhi. Workshop on 'Information Technology Health Care'.

National symposium on 'Recent Advances in Drug Discovery and Treatment of Epilepsy', Department of Pharmacology, Faculty of Pharmacy, Jamia Hamdard, New Delhi.

**Dr. K.K. Sharma:** Seminar on 'Best practices in Pharmacovigilance', Department of Pharmacology, All India Institute of Medical Sciences, New Delhi.

Asia-Pacific Free Standing symposium on 'Challenges and Modern Treatment Concepts in Type 2 Diabetes', Novotel, Hyderabad.



II Annual Conference of the National Academy of Medical Sciences, CSM Medical University, Lucknow.

IX Annual Conference of Society of Pharmacovigilance (India), Rajendra Institute of Technology & Sciences, Haryana.

National Conference of Indian Society for Rational Pharmacotherapeutics, Datta Meghe Institute of Medical Sciences (Deemed University & IN Medical College and Acharya Vinoba Bhave Rural Hospital, Sawangi (Meghe), Wardha.

### Publications

**Arora, T., Mehta, A.K., Sharma, K.K., Mediratta, P.K., Banerjee, B.D., Garg, G.R. and Sharma, A.K. 2009.** 'Effect of carbamazepine and lamotrigine on cognitive function and oxidative stress in brain during chemical epileptogenesis in rats'. *Basic. Clin. Pharmacol. Toxicol.* 106: 372-77.

**Bharal, N., Mehta, A.K., Agarwal, N.K., Mediratta, P.K. and Sharma, K.K. 2009.** 'Melatonin protects against maximal electroshock seizures induced cognitive impairment in mice'. *Pharma. Rev.* 7: 132-35.

**Bhattacharya, S.K., Rathi, N., Mahajan, P., Triathi, A.K., Paudel, K.R., Rauniar, G.P. and Das, B.P. 2009.** 'Effect of *Ocimum sanctum*, ascorbic acid and verapamil on macrophage function and oxidative stress in mice exposed to Cocaine'. *Indian J. Pharmacol.* 41(3): 134-39.

**Garg, G.R., Khanna, N., Mehta, K.D., Arora, T., Sharma, S.B., Sharma, K.K. and Mehta, A.K. 2010.** 'Modulation of oxidative stress, serum lipids and renal dysfunction by Benazepril in diabetes mellitus'. *JK Science*, 12(1): 11-14.

**Gupta, S., Garg, G.R., Bharal, N., Mediratta, P.K., Banerjee, B.D. and Sharma, K.K. 2009.** 'Reversal of propoxur-induced impairment of step-down passive avoidance, transfer latency and oxidative stress by piracetam and ascorbic acid in rats'. *Environ. Toxicol. Pharmacol.* 28: 403-8.

**Haldar, S., Mehta, A.K., Mediratta, P.K. and Sharma, K.K. 2009.** 'Evaluation of interactions of ketamine with morphine in morphine-naïve and tolerant rats in formalin-induced inflammatory pain'. *Indian J. Pain*, 23: 233-38.

**Halder, S., Bharal, N., Mediratta, P.K., Kaur, I. and Sharma, K.K. 2009.** 'Antiinflammatory immunomodulatory and anti nociceptive activity of *Terminalia arjuna* Roxib bark powder in mice and rats'. *Indian J. Exp. Biol.* 47: 577-83.

**Jain, S., Sharma, P., Kulshreshtha, S., Mohan, G. and Singh, S. 2010.** 'The role of calcium, magnesium and zinc in pre-eclampsia'. *Biol. Trace. Elem. Res.* 133(2): 162-70.

**Khanna, N., Arora, D., Halder, S., Mehta, A.K., Garg, G.R., Sharma, S.B. and Mahajan, P. 2010.** 'Comparative effect of *Odmum sanctum*, *Commiphora mukul*, Folic acid and Ramipril on lipid peroxidation in experimentally-induced hyperlipidemia'. *Indian J. Exp. Biol.* 48(3): 299-305.

- Khanna, N. 2009.** 'Antihistamines'. *Current Medical Journal of India*, 15(6): 21-25.
2009. 'Polypharmacy: Boon or Bane'. *Current Medical Journal of India*, 15(9): 17-20.
2010. 'Drugs affecting platelet function'. *Current Medical Journal of India*, 16(1): 29-37.
- Tandon, A.P., Mehta, A.K., Halder, S., Khanna, N. and Sharma, K.K. 2010.** 'Peripheral interaction of opioid and NMDA receptors in inflammatory pain in rats'. *Indian J. Physiol. Pharmacol*, 54(1): 21-31.

## PHARMACOLOGY (MAMC)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>
To evaluate the effect of Tramadol alone and in combination with	Nishit Sud
Carbamezepine in MES induced convulsions in albino mice (STS).	Dr. Vandana Tayal Dr. Uma Tekur
Prescription pattern and adverse drug reactions monitoring in Rheumatoid arthritis patients of tertiary care hospital.	Dr. Bhupinder Kalra, Dr. Gaurav Vishnoi, Dr. Nitin Kaushik, Dr. Uma Tekur
Evaluation of anti-inflammatory activity, gastric tolerability and effect on blood pressure of different classes of antidepressants in albino rats.	Dr. Bhupinder Kalra, Dr. Nitin Kaushik, Dr. Uma Tekur

### Honours/Distinctions

**Dr. Vandana Roy:** Awarded MAMCOS distinguished service award 2009, by Maulana Azad Medical College Old Students Association.

### Seminars/Conferences attended

**Dr. Uma Tekur:** Attended and presented a paper in Indo-French workshop on 'Pharmacogenetics', Pondicherry, 30 November-2 December 2009.

**Dr. Uma Tekur:** Attended and chaired a session at National workshop on 'HIV/AIDS in medical curriculum', sponsored by WHO, New Delhi, 9 November 2009.

**Dr. Vandana Roy:** Special invitee at FICCI – Higher Education Summit 2009 'Imperatives for higher education inclusion, expansion and excellence' at FICCI, Federation House, New Delhi, 6-7 November 2009.

**Dr. Navin Gupta:** Attended 'Medicine Update' held at MAMC auditorium, 21-23 December 2009.

## Publications

### Research Articles

**Chogtu, B., Singh, N.P., Chawla, S. and Gupta, U. 2009.** 'Impact of Glitazones on metabolic and hemodynamic parameters in patients with type II diabetes mellitus'. *Singapore Medical Journal*, 50 (4): 395-99.

**Kalra, B.S., Shalini, Chaturvedi, S., Tayal, V. and Gupta, U. 2009.** 'Evaluation of gastric tolerability, antinociceptive and antiinflammatory activity of combination NSAIDs in rats'. *Indian J. Dent Res*, 20(4): 418-22.

**Shekhar, S., Kalra, B., Mendhekar, D.N. and Tekur, U. 2010.** 'Efficacy of Sodium valproate and haloperidol in the management of acute mania: a randomized open-label comparative study'. *Clin Pharmacol*, 50(6): 688-92.

## PATHOLOGY (VPCI)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Role of angiogenesis, vascular remodeling, pulmonary receptor changes and their inhibition by phosphodiesterase-5 inhibitors in bleomycininduced pulmonary hypertension and fibrosis.	Dr. Ritu Kulshrestha	DST FASTTRACK

### Honours/Distinctions

**Dr. Ritu Kulshrestha:** Awarded the Geraldine Zeiler Fellowship and Visiting Clinician at Mayo Clinic, Scottsdale, Arizona, USA, in the Department of Pathology, under the direction of Dr. Thomas Colby, Dr. Kevin Leslie and colleagues, 26 May-26 June 2009.

### Seminars/Conferences held

**Dr. Ritu Kulshrestha:** Joint Organizing Secretary of National Seminar on 'Environmental lung diseases' organized by VP Chest Institute, Delhi, 5 April 2009.

Resource person on 'Environmental lung disease: The Indian scenario' at the VI Asia Pacific IAP Congress, Kochi, Kerala, 20-23 August 2009.

Chaired session on 'Occupational lung disease' at International Pathology Update, PGI Chandigarh, 19-21 February 2010.

Resource person on 'Panel Discussion on BAL', presented lecture on 'Analysis of bronchoalveolar lavage fluid in neoplastic and nonneoplastic lung lesions' at the XV National Conference on Bronchology. BRONCOCON 2010, Agra, 5-7 February 2010.

## Publications

**Bansal, S., Goel, N., Caroli, R., Kulshrestha, R. and Vijayan, V.K.** 'Eosinophilic lung disease presenting as an opaque hemithorax'. ICCAICON, Chandigarh, October 2009.

**Bhagat, R., Yasir, A., Vashis, A., Singh, S.B., Kulshrestha, R. and Ravi, K. 2009.** 'High altitude exposure, Calcitonin Gene Related Peptide and rapidly adapting receptor activity'. *Annals of Neurosciences*, 16, PS I-16, 74.

**Kulshrestha, R. and Tazelaar, H. and Colby, T.V. 2009.** 'Localized Dystrophic ossification in mixed dust pneumoconiosis'. VI Asia Pacific IAP Congress, Kochi, Kerala, 168-9.

**Mishra, R.K., Kulshrestha, R., Chhabra, S.K. and Bansal, S.K. 2009.** 'Protein kinase C activity and pulmonary histopathology at onset of airway hypersensitivity in guinea pig model of asthma'. VII European Respiratory Society Lung Science Conference on 'Cell Proliferation, Differentiation and Carcinogenesis', Estoril, Portugal.

'Protein kinase C activity and pulmonary histopathology at onset of airway hypersensitivity in guinea pig model of asthma', European Respiratory Society, Vienna Congress, Vienna, Austria.

## PATHOLOGY (LHMC)

### Honours/Distinctions

**Dr. M. Jain:** President, IAPM (Delhi Chapter)

President elect IAC

**Dr. M. Choudhury:** Awarded Ernest Fernades Award 2009 and Silver Medal by the Indian Academy of Cytologists at Postgraduate Institute of Medical Education and Research, Chandigarh, 15 November 2009.

**Dr. Sunita Sharma:** Awarded 'Original Research Award 2008 of the Indian Journal of Paediatrics' for guiding the Paediatric MD Thesis on 'Clinicohematological Study of Thrombocytosis in Children'.

**Dr. K. Agarwal:** Secretary, IAPM (Delhi Chapter)

Awarded Dr. Gauri Bajaz Mullick Award for research in immunology in 2009.

**Dr. Shilpi Agarwal:** Treasurer, IAPM (Delhi Chapter).

**Dr. Sangeeta Pahuja:** Awarded 1st prize in free paper category of Golden Jubilee ISHTM, at AIIMS, Nov. 2009, for the paper entitled 'Rh phenotype of donor population and its implication in clinical setting'.

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Stromal expression of CD10 in invasive breast carcinoma and its correlation with ER,PR,Her2 neu and Ki67.	Dr. Vandana Puri Dr. Manjula Jain	Ministry of Health & Family Welfare
Evaluation of liquid based Cytology in comparison to conventional Pap Smear for detection of cervical carcinoma and its precursors.	Dr. Manupriya Nain Dr. Monisha Choudhury	Ministry of Health & Family Welfare
Sequential changes in coagulation and fibrinolytic parameters - A prospective study in obstetric patients with sepsis.	Dr. Narender Tejwani Dr. Anita Nangia	Ministry of Health & Family Welfare

## Honours/Distinctions

**Dr. M. Choudhury:** Awarded Ernest Fernades Award 2009 & Silver Medal by the Indian Academy of Cytologists at Postgraduate Institute of Medical Education and Research, Chandigarh on 15 November 2009.

**Dr. Sunita Sharma:** Awarded 'Original Research Award 2008 of the Indian Journal of Pediatrics' for guiding the Pediatric MD Thesis on 'Clinicohematological Study of Thrombocytosis in Children', 31 October 2009.

**Dr. K. Agarwal:** Awarded Dr. Gauri Bajaz Mullick Award for research in immunology in 2009.

**Dr. Sangeeta Pahuja:** Awarded 1st prize in free paper category of Golden Jubilee ISHTM, at AIIMS, November 2009, for the paper entitled: 'Rh phenotype of donor population and its implication in clinical setting'.

## Seminars/Conferences attended

**Dr. M. Jain:** Poster presentation entitled 'Extra renal multicentric intra articular angiomylipoma rare entity: A case report', Dr. M. Jain, Dr. M. Nain, Dr. S. Agarwal and Dr. M.M. Varshney, VI Asia Pacific IAP Congress, IAP Congress Kochi, Kerala, 20-23 August 2009.

**Dr. Shilpi Agarwal:** Poster presentation entitled 'Primaryneuroendocrine carcinoma of breast: A case report', Dr. S. Agarwal and Dr. K.R. Goel, VI Asia Pacific IAP Congress, IAP Congress Kochi, Kerala, 20-23 August 2009.

**Dr. Shailja Shukla:** Poster presentation entitled 'Bilateral symmetrical facial swelling—An unconscious presentation of Tuberculosis', Dr. S. Shukla, Dr. P. Malhan and Dr. Labli Chand, VI Asia Pacific IAP Congress, IAP Congress Kochi, Kerala, 20-23 August 2009.

**Dr. M. Jain:** Guest Lecture on 'Interpretation of PAP Smear' in CME MAMC, New Delhi, 18 November 2009.

Chairperson Guest Lecture Cytocon 2009, PGI Chandigarh, 12-15 November 2009.

Chairperson for lecture Golden Jubilee Conference ISHTM, AIIMS, 19-22 November 2009.

Co-author of paper entitled 'Role of CD10&CK5/6 in Basal like Breast Cancers' APCON 2009, Kolkata, 18-23 December 2009.

Co-author in poster entitled 'Syringocystadeno carcinoma papilliferum – A rare case report'. Dr. R. Chauhan, Dr. M. Jain, Dr. A. Harbhajanka and Dr. S. Basal. APCON 2009, Kolkata, 18-23 December 2009.

**Dr. M. Choudhury:** Presented Earnest Choudhury Fernades Award Session, Cytocon 2009, PGI Chandigarh, 12-15 November 2009. Co-author in poster presented entitled 'Pleuropulmonary blastoma presenting with cervicallymphadenopathy: Misdiagnosed as Non Hodgkin Lymphoma on FNAC', Dr. M. Nain, Dr. M. Jain and Dr. A. Nangia.

**Dr. Sunita Sharma:** Chaired a session at Golden Jubilee Conference, ISHTM, AIIMS, 19-22 November 2009.

Co-author in paper presentation entitled 'Natural and acquired coagulation inhibitors and APC-R in recurrent pregnancy loss', Dr. P. Jyotsana and Dr. S. Trivedi, ISHTM, AIIMS, 19-22 November 2009.

**Dr. Kiran Agarwal:** Co-author in Poster entitled 'Lymphoblast lymphoma of Tenon's capsule of eye – An unusual presentation', Dr. Deepti, Dr. K. Agarwal, Dr. O. Prakash, Dr. S. Shukla and Dr. S. Jain, LVIII Annual Conference of IAPM, Kolkata, 18-23 December 2009.

**Dr. Shilpi Agarwal:** Co-author in poster entitled 'A Clinicohematological study of Pancytopenia in Paediatric age group', Dr. R. Chauhan, Dr. D. Chauhan, Dr. S. Agarwal and Dr. J. Chandra, Golden Jubilee Conference ISHTM, AIIMS, 19-22 November 2009.

**Dr. Anita Nangia:** Co-author in Paper Presentation entitled 'Markers of early onset DIC in obstetric sepsis', Dr. N. Tejwani, Dr. A. Nangia, Dr. U. Saha and Dr. M. Puri, Golden Jubilee Conference ISHTM, AIIMS, 19-22 November 2009.

**Dr. Sangeeta Pahuja:** Presented an oral paper entitled 'Alloimmunization in multitransfused Thalassemic children: A hospital based study', Dr. S. Pahuja, Dr. M. Pujani, Dr. S.K. Gupta and Dr. M. Jain, XXXIV Annual National Conference of ISBIT, AIIMS, 19-22 November 2009.

Co-author in oral paper entitled 'Rh phenotype of donor population and its implications in clinical setting', S. Jain, S. Pahuja, R. Goel and M. Jain, Golden Jubilee Annual Conference, ISHTM 2009.

**Dr. Shalini Bahadur:** Attended Golden Jubilee Conference of ISHTM, AIIMS, 19-22 November 2009.

**Dr. Smita Singh:** Presented paper entitled 'Accuracy of Sperm morphology by Sperm Quality Analyser IIC comparison with Papanicolaou staining and study of factors affecting Sperm morphology', Dr. S. Singh, Dr. S. Sharma, Dr. M. Jain and Dr. R. Chauhan, Cytocon 2009, PGI Chandigarh, 12-15 November 2009.

Presented paper entitled 'Significance of careful P/S examination in a case of Ichthyosis', Dr. S. Singh, Dr. S. Sharma and Dr. S. Bansal, Golden Jubilee Annual Conference ISHTM, AIIMS, 19-22 November 2009.

### **Publications**

**Bahadur, S., Jain, S., Goel, R., Pahuja, S. and Jain, M. 2009.** 'Analysis of Blood donor deferral characteristics in Delhi, India'. *South East Asian J. of Tropical Medicine and Public Health*, 40(5): 1087-91.

**Choudhury, M., Singh, S.K., Pujani, M. and Pathania, O.P. 2009.** 'A case of leiomyosarcoma of kidney clinically & radiologically misdiagnosed as renal cell carcinoma'. *Indian J. of Cancer*, 46(3): 241-43.

**Maheshwari, A., Seth, A., Choudhury, M., Agarwal, S., Mukherjee, S. and Aneja, S. 2009.** 'Rosai Dorfman Disease: A case with lymphadenopathy and liver involvement'. *Pediatric Hematology Oncology*, 31: 200-2.

**Monga, M., Walia, V., Gandhi, A., Chandra, J. and Sharma, S. 2009.** 'Effect of Iron deficiency on VEP of growing children'. *Brain and Development*.

**Sharma, S., Malhan, P., Pujani, M. and Pujani, M. 2009.** 'Auer rod like inclusions in reactive plasmacytosis seen with AML'. *JPGM*, 55(3): 197.

**Sharma, S., Nangia, A. and Jain, S. et. al. 2009.** 'Clinicohematological profile of Acute Megakaryoblastic Leukemia-Report of 5 cases'. *Advances in Hematology*, doi 10.1155.

**Shukla, S., Singh, S., Jain, M., Kumar, S.S., Chander, R. and Kawatra, N. 2009.** 'Paediatric cutaneous Blastomycosis. A rare case diagnosed on FNAC'. *Diagnostic Cytopathology*, 37: 119-21.

**Shukla, S., Singh, S.K. and Pujani, M. 2009.** 'Multicentric malignant gastrointestinal stromal tumour – A case report'. *Saudi J. Gastroenterology*, 15(1): 45-4.

2009. 'Multiple disseminated abdominal hydatidosis presenting into gross hydatiduria as rare case report'. *Indian J. Path Microbiology*, 51(2): 214-15.

**Shukla, S., Pujani, M., Singh, S.K., Pujani, M. and Choudhury, S.R. 2009.** 'Omental myxoid Mesentric Hamartoma – A case report with review of literature'. *Tropical Gastroenterol*, 30(1): 49-50.

## PATHOLOGY (MAMC)

### Major Activities

The Hematology section is participating in the Thalessemia Control Programme and in Hemophilia Control Programme. There is a special hematology clinic where cases are reported on the same day. Dr. Shyama Jain, one of the Faculty members, was the Nodal Officer for 'Cancer Detection Programme' under the Govt. of NCT, Delhi; she was also the co-ordinator for screening of early detection of cancer in women in 'Stree Shakti Abhiyan' under the Govt. of NCT, Delhi.

### Honours/Distinctions

**Dr. T. Singh** is on the editorial board of *IJPM*, *IJH* and *Transfusion Medicine*.

Joint Secretary of Indian College of Pathologists.

**Dr. Shyama Jain:** Editor Newsletter for 'Indian Academy of Cytologists'.

**Dr. Shyama Jain** is on the editorial board of *Journal of Cytology*.

Chaired 'Nalini Bai Thakkar Award Papers' session in XXXIX Annual Conference of IAC, PGIMER, Chandigarh 12-15 November 2009.

### Seminars/Conferences held

**Dr. Tejinder Singh:** Organized a Bone Marrow Biopsy workshop, with Dr. Nita Khurana as the organizing secretary, at MAMC in November 2009.

A CME in Pathology was organized by Dr. Tejinder Singh with Dr. Nita Khurana as the organising secretary in November 2009.

### Seminars/Conferences attended

**Dr. Tejinder Singh:** Attended the Annual meet of ISHTM at AIIMS in November 2009.

**Dr. Shyama Jain:** Attended the XXXIX Annual Conference of IAC, CYTOCON 2009, PGIMER, Chandigarh, 12-15 November 2009.

**Dr. Shyama Jain, Dr. N. Mahajan and Dr. S. Rao:** 'The Role of Cytology in the Management of Male Breast Lesions: A Retrospective Study', XXXIX Annual Conference of IAC, CYTOCON 2009, PGIMER, Chandigarh, 12-15 November 2009.

**Dr. Shyama Jain, Dr. P. Agrawal, and Dr. N. Khurana:** 'Morphological spectrum of renal neoplasm in pediatric age group: A Retrospective Study', XXXIX Annual Conference of IAC, CYTOCON 2009, PGIMER, Chandigarh, 12-15 November 2009.

### Publications

**Dhingra, K.K., Gupta, P., Saroha, V., Setia, N., Khurana, N. and Singh, T. 2010.** 'Morphological findings in bone marrow biopsy and aspirate smears of visceral Kala Azar'. A review. *Indian J. Pathol Microbiol.* 53(1): 96-100.



- Dhingra, K.K., Gupta, P., Saroha, V., Akhila, L. and Khurana, N. 2009.** 'Partial hydatidiform mole with a full-term infant'. *Indian J. Pathol Microbiol*, 52(4): 590-91.
- Dhingra, K.K., Roy, S., Gupta, P., Khurana, N. and Jain, S. 2009.** 'Leprosy of the soft palate masquerading as squamous cell carcinoma'. *Pathology*, 41(3): 295-97.
- Dhingra, K.K., Jain, P., Garg, A. and Khurana, N. 2009.** 'Coexistent struma ovarii and serous cystadenofibroma in the same ovary'. *Int. J. Gynecol Pathol*, 28(3): 231-33.
- Gupta, P., Garg, A., Dhingra, K.K., Jain, D., Kohli, K. and Khurana, N. 2009.** 'Schwannoma tongue Jan 2009: a rare entity'. *ANZ J. Surg.*, 79: 93-94.
- Gupta, S.K., Rao, S., Kar, R., Tyagi, S. and Pati, H.P. 2009.** 'Congenital Sideroblastic Anemia: A report of two cases'. *Indian J. Pathol Microbiol*, 52(3): 424-26.
- Gupta, C.R., Mohta, A., Khurana, N. and Paik, S. 2009.** 'Inflammatory pseudotumor of the omentum: an uncommon pediatric tumor'. *Indian J. Pathol Microbiol*, 52(2): 219-21.
- Gupta, P., Dhingra, K.K., Roy, S., Khurana, N. and Azad, M. 2009.** 'Xanthogranulomatous endometritis coexisting with carcinoma cervix'. *ANZ J. Surg*, 79(6): 498-99.
- Gupta, P., Dhingra, K.K., Garg, A. and Khurana, N. 2009.** 'Simple epithelial cyst of spleen: rare entity'. *ANZ J. Surg*, 79(4): 310-11.
- Goyal, N. and Khurana, N. 2009.** 'Tuberculosis of the appendix: Sept 2009. 'An unusual occurrence with review of literature'. *ANZ J. Surg*, 79(9): 662.
- Garg, P.K., Dangi, A., Khurana, N. and Hadke, N.S. Malays. 2009.** 'Malignant proliferating trichilemmal cyst: a case report with review of literature'. *J. Pathol*, 31(1): 71-76.
- Garg, P.K., Khurana, N. and Hadke, N.S. 2009.** 'Hepatobiliary. 2009. Subcutaneous and breast metastasis from asymptomatic gallbladder carcinoma'. *Pancreat Dis Int*, 8(2): 209-11.
- Jain, D., Akhila, L., Kawatra, V., Aggarwal, P. and Khurana, N. 2009.** 'Psammocarcinoma of ovary with serous cystadenofibroma of contralateral ovary: A case report'. *J. Med. Case Reports*, 3: 9330.
- Kawatra, V., Lakshmikantha, A., Dhingra, K.K., Gupta, P. and Khurana, N. 2009.** 'A rare coexistence of concurrent breast hemangioma with fibroadenoma'. 2: 7005.
- Kohli, K., Lallawmzuali, D., Kawatra, V. and Khurana, N. 2009.** 'Dedifferentiated chondrosarcoma of the hand: case report'. *Pathology*, 41(5): 491-94.
- Mandal, S., Gupta, P., Dhingra, K. and Khurana, N. 2009.** 'Caecal adenocarcinoma presenting as metastasis in a hernial sac'. *ANZ J. Surg*, 79(9): 665-66.

- Mohta, A., Kanojia, R.P., Bathla, S. and Khurana, N. 2009.** ‘Cystic adenomatoid malformation of the lung: a diagnostic dilemma’. *Afr J. Paediatr Surg*, 6(2): 112-13.
- Mandal, S., Dhingra, K., Gupta, P. and Khurana, N. 2009.** ‘Acquired (idiopathic) intradermal nevus with junctional activity presenting as clitoromegaly in a child: Report of a case’. *Eur J. Pediatr*, 168(11): 1405-7.
- Rao, S., Saxena, R., Deka, D. and Kabra, M. 2009.** ‘Use of HbA estimation by CE-HPLC for prenatal diagnosis of b-thalassemia, experience from a tertiary care centre in north India: a brief report’. *Hematology*, 14: 2.
- Roy, S., Dhingra, K.K., Gupta, P., Khurana, N., Gupta, B. and Meher, R. 2009.** ‘Acinic Cell Carcinoma with Extensive Neuroendocrine Differentiation: A Diagnostic Challenge’. *Head Neck Pathol*, 3(2): 163-68.
- Sardana, K., Bansal, S., Garg, V.K. and Khurana, N. 2009.** ‘Linear nodular collagenoma—successful treatment with intralesional triamcinolone acetonide’. *Pediatr Dermatol*, 26(5): 626-28.
- Saroha, V., Gupta, P., Singh, M. and Singh, T. 2009.** ‘Pseudogaucher cells obscuring multiple myeloma: Cases’. *J.A case report*. 2: 9147.

## PATHOLOGY (UCMS)

### Major Activities

The Department of Pathology is actively engaged in patient care, research work and teaching. Besides the routine investigations in histopathology, hematology and cytopathology, special investigations like immuno-chemistry, immuno-fluorescence and PCR are being done on a regular basis.

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Bone Marrow Angiogenesis in CML: Multiparametric study of factors in blood and bone marrow influencing angiogenesis.	Dr. Mrinalini Kotru Dr. Neelam Wadhwa	DST
Expression and prognostic relevance of key immuno-histochemical markers in Indian women with carcinoma breast.	Dr. Neelam Wadhwa	DBT

### **Seminars/Conferences attended**

**Dr. Sarla Agarwal, Dr. Meera Sikka and Dr. Neelam Wadhwa:** XV International CME in Surgical Pathology, Cytology and Hematology, at MGM Medical College, Indore, 5-7 February 2010.

**Dr. Meera Sikka:** Invited speaker 'Approach to diagnosis of hemolytic anaemia Iron deficiency anaemia: A public health problem', Golden Jubilee Conference of ISHTM, 19 November 2009.

Invited Speaker 'Megaloblastic anaemia: An overview', National CME in Hematology: Bombay Hospital Institute of Medical Sciences, 15 January 2010.

**Dr. Mrinalini Kotru:** Indo-European Conference on Quality Assurance in Higher Education at Delhi University, Delhi, 6 May 2009.

Speaker at a Workshop on 'Laboratory Approach to Hemolytic anaemias' at UCMS, ISHTM Goldcon 2009, Annual Conference of ISHBT, 19 November 2009.

### **Publications**

**Agarwal, S. and Wadhwa, N. 2010.** 'Revisiting old slides - How worthwhile is it?' *Pathol. Res. and Pract*, 206(6): 368-71.

**Arora, V.K., Aggarwal, S., Mathur, S., Rath, G.K. and Julka, P.K. 2009.** 'Pleural mesothelioma, an unusual case diagnosed on pleural fluid cytology and immunocytochemistry'. *Diagn Cytopathol Jul*, 37(7): 509-12, PMID: 19301253 (PubMed- indexed for Medicine).

**Batra, M., Wadhwa, N. and Mishra, K. 2009.** 'Benign odontogenic tumor with abundant calcification: cytologic diagnostic approach in an interesting case'. *Acta Cytologica*, 53: 460-62.

**Dasgupta, A., Singh, N. and Bhatia, A. 2009.** 'Abdominal tuberculosis: A histopathological study with special reference to intestinal perforation and mesenteric vasculopathy'. *Journal of LaboratoryPhysicians*, 1(2): 56-61.

**Dhaliwal, U., Singh, N. and Bhatia, A. 2010.** 'Masters theses from a university medical college: publication in indexed scientific journals'. *Indian J. Ophthalmol*, 58(2): 101-4.

2010. 'Masters thesis from a University Medical College: Publication in index Scientific journals'. *Indian J. of Ophthalmology*, 58: 101-4.

**Gupta, A., Kumar, S., Gupta, S., Wadhwa, N. and Jaura, M. 2010.** 'Polypoid cystitis masquerading as leiomyoma of urinary bladder – An unusual case report'. *The Internet Journal of Urology*, 6: 2.

**Kotru, M., Batra, M., Sharma, S. and Rusia, U. 2009.** 'Transient thrombocytosis with megathrombocytes in a case of acute myeloblastic leukemia'. *Ind. J. Pathol. Microbiol*, 52(1): 113-14.

- Kotru, M., Gupta, R., Agarwal, S., Sharma, S. and Bhatia, A. 2009.** 'Cartilaginous metaplasia in Uterine leiomyoma'. *Arch. Gynecol Obstet*, 280(4): 671-73. Epub.
- Kotru, M., Sharma, S. and Agarwal, S. 2009.** 'Plasma Cells in Bone Marrow – An Artifactual change mimicking metastasis'. *Ind. J. Hematol Blood Transfusion*, 25(2): 84-85.
- Kotru, M., Agarwal, S., Sharma, S. and Singh, U.R. 2010.** 'Eosinophilic Gastritis Mimicking Gastric Carcinoma: A case Series'. *IJPM*, 53(2): 381-82.
- Malhotra, S., Wadhwa, N. and Munjal, S. 2009.** 'Segmental absence of intestinal musculature with intestinal atresia and ileal perforation'. *Pathology*, 41: 596-98.
- Singh, I., Joshi, M. and Mishra, K. 2010.** 'Capsular Renal Leiomyosarcoma with Encasement of the Inferior Vena Cava – Diagnosed by Immunostaining and Review of Literature'. *Urology Anals*, 2: 36-38.
- Sharma, S., Kotru, M., Batra, M., Gupta, A. and Sharma, R. 2009.** 'Limitations in the role of ulcer edge biopsy in establishing the etiology of non-traumatic small bowel perforation'. *Tropical Doctor*, 39(3): 137-41.
- Sharma, S., Kotru, M., Yadav, A., Chugh, M., Chawla, A. and Makhija, M. 2009.** 'Role of Fine Needle Aspiration Cytology in Evaluation of cutaneous Metastasis'. *Diagnostic Cytopathology*, 37(12): 876-80.
- Sehgal, V.N. and Singh, N. 2009.** 'Chondrodermatitis nodularis'. *Am J. Otolaryngol*, 30(5): 331-36.
- Sehgal, V.N., Srivastava, G., Singh, N. and Prasad, P.V. 2009.** 'Histoid leprosy: the impact of the entity on the postglobal leprosy elimination era'. *Int. J. Dermatol*, 48(6): 603-10.
- Sehgal, V.N., Srivastava, G. and Singh, N. 2009.** 'Histoid leprosy: histopathological connotations: Relevance in contemporary context'. *Am J. Dermatopathol*, 31(3): 268-71. *Indian J. Dermatol Venereol Leprol*, 75(1): 100.
- Yadav, A.K., Mishra, K., Mohta, A. and Agarwal, S. 2009.** 'Hirschsprungs Disease: Is there a relationship between mast cells and nerve fibres?' *World J Gastroenterol*, 15(12): 1493-98.
2010. 'Role of Computerized Morphometric Analysis in the Diagnosis of Hirschsprungs Disease'. *Analytical and Quantitative Cytology & Histology*, 32(2): 114-15.

### **Chapters in Books**

- Sikka, M., Rusia, U., Kotru, M. and Madan, N.** 'Iron deficiency Anaemia: A public health problem and novel approaches. In *Haematology – 09*, Indian Society of Hematology & Transfusion Medicine. Education Programme Book. (eds) Mahapatra, M., Seth, T. and Mishra, P. Publications Department of Hematology, AIIMS, Delhi.

## PAEDIATRICS (MAMC)

### Major Activities

A Resource Centre for F-IMNCI Training of Paediatricians has been established in the Department with the assistance of UNICEF and Govt. of India. The Department has already organized two such training courses during this year.

A Genetics Laboratory has been established, which is providing services to patients and opportunity to student from various institutions for their practical training and Ph.D. work.

The number of PG seats has been increased from 15 to 21 under Delhi University.

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Phase III, randomised, open, control, multicentre primary vaccination study in subjects aged 2–10 years to demonstrate the non-inferiority of GSK Biologicals' meningococcal vaccine GSK 134612 vaccine versus Mencevax™ ACWY.	Dr. A.P. Dubey	Industry sponsored
'OV-1012 Double-Blind Placebo-Controlled, Efficacy and Safety Study of Clobazam (0.25, 0.5 and 1.0 mg/kg/day) in Patients with Lennox - Gastaut Syndrome.	Dr. A.P. Dubey	Industry Sponsored
A Phase-III, randomized, open-label, parallel group, dose-ranging, clinical trial to study the safety and efficacy of MK-0954/Losartan Potassium in pediatric patients with hypertension.	Dr. A.P. Dubey	Industry Sponsored
Clinical trial to assess the persistence of immunity in children who received DTwP-HiB (adsorbed) as primary vaccination and evaluation of immunogenicity and reactogenicity of booster dose of DTwP-HiB vaccine.	Dr. S. Yadav	Serum Institute of India Ltd. Pune

A phase 3, Randomized, Double blind, multinational, Placebo controlled study to evaluate efficacy and safety of Teplizumab (MGA 031) a humanized, FcR non binding, Anti-CD3 monoclonal antibody in children and adults with recent onset Type 1 Diabetes Mellitus.	Dr. S. Yadav	Serum Institute of India Ltd. Pune
To evaluate the correlation between bone mineral density and homocystiene, folate Vitamin B12 and the Polymorphisms of the Methylenetetrahydrofolate reductase gene in pre-menopausal women of Asian Origin’.	Dr. Seema K.	DBT
‘To compare integrated screening with contingent sequential screening in Indian women’.	Dr. Seema K.	DBT

***Programmes taken up involving inter-institutional collaboration***

Task Force for Inborn Metabolic Disorders: Newborn screening for Congenital Hypothyroidism and Congenital Adrenal Hyperplasia. ICMR multicentric study, Dr. S. Yadav, Co-Investigator, Sponsoring Organization, ICMR, New Delhi.

Evaluation of Hormonal profile of the children presenting with isolated hypospadiasis, Dr. S Yadav, Co-Investigator, Sponsoring Organization, UGC.

**Seminars/Conferences held**

**Dr. A.P. Dubey:** Organizer and Zonal Coordinator, IAP Zonal workshop on ‘Evidence based management of diarrhea in children’, 22 December 2009.

**Dr. K. Rajeshwari:** Organizing secretary, symposium on ‘North Zone workshop on rational diarrhea management practices’ at Department of Pediatrics, 22 December 2009.

**Dr. Seema K:** Organized the quarterly CME on behalf of the Delhi Society for Prenatal Diagnosis and Therapy.

**Dr. Mukta M:** Member of organizing committee for XXI National Conference of Indian Society of Pediatric Nephrology conducted by All India Institute of Medical Sciences, 4-6 December 2009.

**Seminars/Conferences attended**

**Dr. A.P. Dubey and Dr. Seema K:** XII Annual Asia LSD Symposium, Taipei, Taiwan, October 2009.

**Dr. S. Yadav:** Attended and participated and presented 3 papers at the LWPES/ESPE 8th Joint meeting at New York, 9-12 September 2009.

**Dr. N.B. Mathur:** Presented a paper in XX European Society of Pediatric and Neonatal Intensive care Annual Congress at Verona, Italy, 14-17 June 2009.

**Dr. A.P. Dubey:** International Thalassemia Conference at New Delhi, 31 October-1 November 2009.

IV International Conference on Birth Defects and Disabilities in the Developing World, New Delhi, 4-7 October 2009.

International Workshop on Malnutrition at AIIMS, New Delhi, 20-23 October 2009.

**Dr. S. Yadav:** Attended and participated in the Biennial meeting of the Indian Society for Pediatric and Adolescent Endocrinology at Delhi, 13-15 November 2009.

**Dr. A.P. Dubey:** IAP Workshop on 'Zinc and diarrhoea in children' at New Delhi, 29 October 2009.

Annual Conference of Pediatric Hemato-oncology at PGI Chandigarh, November 2009.

IAP Zonal workshop on 'Evidence based management of diarrhea in children', Delhi State IAP Conference, New Delhi, 22 December 2009.

**Dr. G.R. Sethi:** 'OTS in Pediatric Tuberculosis', Respicon 2009 at Kottayam, 11-13 September 2009.

'H1N1 Current scenario and practices' at CNBC Delhi, 15 October.

**Dr. S. Yadav:** Presented a paper on 'Who is more stressed: A high school student or a medical student?', International Conference on Life Skills Education at Chennai, April 2009.

Participated in the 'TOT Neonatal Resuscitation Program' IAP Bareilly, May 2009.

Attended Awareness Workshop on 'CFC MDI Phaseout Transition Strategy Implementation and Adoption of CFC free alternatives in India', AIIMS, New Delhi, 5 October 2009.

Invited Participant, 3rd India Probiotics Symposium, 21-November 2009.

Participated in the Workshop on 'Advancing Science of Vaccinology', at Delhi, April 2009 and Roorkee, December 2009.

**Dr. R.N. Mandal:** Attended IAP India, Hyderabad, 6 January 2010.

**Dr. Jhamb:** Attended a workshop organized by the National Board on 'Thesis writing, statistics and teaching of postgraduates' at AIIMS, 28-29 June 2009.

Attended workshop by National Board for evolving strategies for counselling of DNB students, NBE office at Dwarka, 29 August 2009.

Attended workshop of NIPS sponsored by WHO and INCLEN at India Habitat Centre, Delhi, 14-16 September 2009.

**Dr. M. Juneja:** Attended VI National Childhood Disability Conference, Mumbai, 3-5 September 2009. Speaker at International Conference of Child Neurology at PGIMS, Chandigarh, and delivered a talk on 'Spasticity management in children with cerebral palsy'. He also delivered talks on 'Autism-clinical features' and 'Autism Screening – Social Communication Questionnaire' at the Workshop on 'Developmental Problems'.

**Dr. K. Rajeshwari:** Attended a workshop on 'HIV-AIDS in medical curriculum', organized by WHO.

Attended the workshop on 'National consultative meet on Rational practices in diarrhea management' at MAMC.

**Dr. Seema K:** Attended IV International Conference on Birth Defects and Disabilities organized by the Department of Genetic Medicine, Sir Ganga Ram Hospital, at Hotel Le Meridean, New Delhi, 4 October 2009.

Participated in a workshop to formulate the strategies for vaccination of adolescent girls for prevention and control of CRS in India at MAMC, New Delhi, 24 April 2009.

Attended the Indo-US workshop on 'Approach to dysnoiphic diagnosis' at Bangalore.

**Dr. Mukta M:** Presented a paper titled 'Presence of CAKUT: A predictor of difficult to control nephrotic syndrome in children' at the XXI Conference of Indian Society of Pediatric Nephrology conducted by AIIMS, Delhi, 4-6 December 2009.

**Dr. D. Mishra:** Invited Faculty at 'Art & Science of Paper Writing', Workshop organized by Indian Pediatrics at Apollo Auditorium, New Delhi, 26-27 September 2009.

Invited Faculty at PEDICON 2009, Bangalore at Pre-Conference Workshop on 'Clinical Assessment of Child Physical and Sexual Abuse – A Pediatrician's guide.'

Invited faculty at 'Training of Trainers Programme' of 'Comprehensive Child Survival Programme' of UNICEF and Govt. of UP at IMS-BHU, Varanasi, 21-28 July 2009.

Invited Faculty at XL MP State PEDICON at Shahdol, 19-20 December 2009.

Attended International Epilepsy workshop and II National Conference of Association of Child Neurology, PGIMER, Chandigarh, 29 October-1 November 2009.

**Dr. J. Bagla:** Attended workshop on 'Child Abuse' at MAMC, 24 January 2010.

### **Publications**

**Juneja, M. and Sharma, S. 2009.** 'Mental Retardation'. In *Pediatrics* (4th edition), Eds by Satya Gupta, S., Dubey, A.P. and Kumar, P. Atlantic Publishers and Distributors Ltd., pp. 757-67.



**Juneja, M. and Sharmilla B Mukherjee. 2009.** 'Behavioral Disorders'. In *Essentials of Pediatric Neurology* (2<sup>nd</sup> edn), Ed. Talukdar, B. Delhi: Academia Publishers. pp. 225-33.

**Mantan, M. 2009.** Chapter titled 'Acute renal failure' for the textbook *Principles of Pediatric & Neonatal Emergencies*, 3<sup>rd</sup> edition. New Delhi: Jaypee Publishers.

Editor, *ECAB clinical update on Neonatal sepsis*. New Delhi: Elsevier.

**Mathur, N.B. 2009.** 'Etiopathogenesis of neonatal sepsis'. *ECAB clinical updates on neonatal sepsis*. New Delhi: Elsevier, pp. 3-20.

2009. 'Neonatal meningitis'. In: Talukdar, B. (ed) *Essentials of Pediatric Neurology*, (2<sup>nd</sup> ed.). Delhi: Academia Publishers, pp. 199-212.

**Mishra, D. 2009.** 'Approach to a child with myopathy and myositis'. In Verma, A. (ed) *Clinical Pediatric Neurology*. Hyderabad: Paras Medical Publ., pp. 324-37.

2009. 'Cerebrovascular Disease'. In: Talukdar, B. (ed.) *Essentials of Pediatric Neurology*, 2<sup>nd</sup> ed. Delhi: Academia Publishers, pp. 472-85.

### **Research Articles in Books or Scholarly Journals**

**Barnwal, A.K., Ravi RNM and Singh, R. 2009.** 'Diarrhea associated hemolytic uremic syndrome a 3 years PICU experience from Nepal'. *Indian J. Pediatric.*, 76(11): 1180-82.

**Bhattacharya, M., Dubey, A.P. and Mathur, N.B. 2009.** 'Prevalence of celiac disease in north Indian children'. *Indian Pediatr.*, 46: 415-17.

**Bhattacharya, M., Rajeshwari, K., Sardana, K. and Gupta, P. 2009.** 'Granulomatous cheilitis secondary to tuberculosis in a child'. *J. Postgrad Med.*, 55: 190-92.

**Joshi, N. and Rajeshwari, K. 2009.** 'Deflazacort'. *J. Postgrad Med*, 55: 296-300.

**Juneja, M., Jain, R., Singhal, S., Mishra, D. and Singh, S. 2009.** 'Locked-in Syndrome: A rare manifestation of pediatric stroke'. *Indian J. Pediatric.*, 76(10): 1053-56.

**Juneja, M., Jain, R. and Mishra, D. 2009.** 'Macrophage activation syndrome in an inadequately treated patient with systemic onset juvenile idiopathic arthritis'. *KUMJ*, 7: 411-13.

**Kalra, V., Mishra, D. and Suri, A., et. al. 2009.** 'Intraventricular neurocysticercosis'. *Indian J. Pediatric.*, 76: 420-23.

**Krishnamurthy, S. and Kapoor, S. 2009.** 'An incomplete form of Lumbocostovertebral Syndrome in association with atrial septal defect, arthrogryposis and club feet'. *Indian J. Pediatric.*, 76(4): 411-13.

**Krishnamurthy, S., Samantha, D. and Yadav, S. 2009.** 'Trichuris dysentery syndrome with eosinophilic leukemoid reaction mimicking inflammatory bowel disease'. *J. Postgrad Med.*, 55: 76-77.

2009. 'Renal amyloidosis secondary to childhood tuberculosis-a report of two cases'. *J. Postgrad Med*, 55:121-23.
- Kumar, A., Dabas, P. and Singh, B. 2009.** 'Spoon Feeding Results in Early Hospital Discharge of Low Birth Weight Babies'. *J. Perinatol.* [Epub ahead of print].
- Mandal, R.N. 2009.** 'Post treatment fulminant hemolytic failure in an infant with visceral Leishmaniasis, Immune injury or stibogurconate toxicity?' *Indian J. Pediatric.*, Nov 20: [Epub ahead of print].
- Mantan, M., Sharma, S. and Mishra, D. 2009.** 'Neonatal acidosis with nephrocalcinosis-A clinical approach'. *Am J. Kidney Dis*, 53: 546-49.
- Mantan, M., Singhal, K., Sethi, G.R. 2010.** 'Acute lymphoblastic leukemia: An unusual cause of nephromegaly in infancy'. *Indian J. Pediatrics*, 8 February. Epub.
- Mathur, N.B. and Dhingra, D. 2009.** 'Perceived breastmilk insufficiency in mother of neonates hospitalized in NICU'. *Indian J. Pediatric*, 76: 1003-6.
- Mathur, N.B. K.** sirs in home delivered neonates in Delhi', *Book of Abstracts, XX ESPMC Congress, Verona, Italy*, pp. 52-53.
- Mathur, N.B., Singh, B., Kumar, A., Aggarwal, S.K. 2009.** 'Successful Treatment of Congenital Chylothorax using Fibrin Glue'. *Indian J. Pediatr.*, 76: 758.
- Mishra, D., Singh, S. and Juneja, M. 2009.** 'Enterolithiasis'. *Indian J. Pediatr.*, 76: 1049-50.
2009. 'Enterolithiasis: An uncommon finding in abdominal tuberculosis'. *Indian J. Pediatr.* Oct, 76(10): 1049-50.
- Mishra, D. 2009.** 'Domestic child labor in India – Reasons and responses'. *Indian Pediatr.* 46: 266.
- Parakh, A., Dubey, A.P., Kumar, A., Maheshwari, A. and Saxena, R. 2009.** 'Efficacy of First line WHO recommended generic HAART regimen in Indian children'. *Kathmandu Univ Med J.*, 7(27): 220-25.
- Parakh, A., Dubey, A.P., Kumar, A. and Maheshwari, A. 2009.** 'Lipodystrophy and Metabolic Complications of highly active Anti-retroviral Therapy'. *Indian J. Pediatr.*, Nov 12. [Epub ahead of print].
- Parakh, A., Kapoor, S. and Sudha, S. 2009.** 'Thalassaemia Major in a child with Dubowitz Syndrome'. *Pediatr. Blood Cancer.*, 52: 147.
- Sardana, K., Gupta, R., Garg, V.K. and Mishra, D., et. al. 2009.** 'A prospective study of cutaneous manifestations of spinal dysraphism from India'. *Pediatr. Dermatol.* 26(6): 688-95.

## LADY HARDINGE MEDICAL COLLEGE

### Major Activities

The Departments of Pediatrics, Obstetrics & Gynaecology, Community Medicine, Psychiatry and Dermatology joined hands to establish a Centre for Adolescent Health at Kalawati Saran Children Hospital with the objectives of providing special services to adolescents, to teach and train medical and nursing students, and to conduct research relevant to the needs of adolescents of India.

A Clinical Epidemiology Unit was established in Lady Hardinge Medical College with the objectives of facilitating research activities, and for teaching and training of undergraduates, postgraduates and faculty in clinical epidemiology.

A HIV DNA PCR Laboratory under the National Pediatric HIV Initiative to diagnose HIV infection in newborns up to 18 months has started functioning in the Department of Microbiology.

Surveillance facilities for meningococcal and Dengue fever were established in view of frequent occurrence of meningococcal and Dengue fever in this part of the country.

A Foetal medicine clinic for early diagnosis of congenital abnormalities was started by the Department of Obstetrics and Gynaecology.

An advanced Data Management and Documentation system was installed in the gynaecology laparoscopy unit.

Facilities for Advanced Laparoscopic Surgery using High Definition Camera and 24 Hour Ambulatory Esophageal pH Monitoring for diagnostic and research purposes were established in the Department of Surgery.

### New Courses introduced

M.Ch Course in Paediatric Surgery.

### Library Development

Total budget	:	₹ 81 lakh
books added	:	1000
Journals subscribed	:	160 titles

### New Addition

Dr. Ashok Kumar Singh - Assistant Professor

### Honours/Distinctions

**Dr. Jayashree Bhattacharjee:** Elected President of ISARCCON and awarded Fellowship of ACBI.

**Prof. Reena Yadav:** Awarded 'Dr. Urvashi P Jha' Gold Medal for best presentation on 'Gynaecological Endoscopy' in AOGD Conference.

**Dr. Anju Seth:** Awarded the Sarla Vaishnav award for best research paper in the field of metabolic disorders, 2009.

**Dr. Soumya Patra and Dr. Varinder Singh:** Awarded Gold Medal (S.T. Achar Endowment Award) for the best paper in Pediatrics.

**Dr. Manisha Chaudhary:** Awarded the Ernest Fernades Award for 2009.

**Dr. Sushma Nangia, Dr. Vikram Dutta, Dr. Sherwal, Dr. Manoj Jais and Dr. Praveen:** Awarded WHO Fellowships.

#### **Seminars/Conferences attended**

**Dr. Anupam Prakash:** Attended Indian Society for Atherosclerosis Research ISARCON 2009, Mysore, 17-19 December 2009.

**Dr. Pramod Kohli:** Speaker on 'Peri-operative management of diabetes mellitus', 1st Annual Conference ICOA, November 2009.

**Dr. Ranju Singh and Dr. Lalita Chaudhary:** Attended Annual Conference of ISA, April 2009.

**Mrs. Ranjeet Kaur and Mrs. A. Kumar:** Attended Beinnal Conference of TNAI/SNA at Kolkata, 27-31 October 2009.

**Dr. P. Mehra:** Chaired a session on Facial Trauma.

Presented a paper titled 'Buccal pad fat graft for intraoral reconstruction', International Conference on Oral Maxillofacial Surgery, Shanghai, China, May 2009.

**Dr. Ram Chander:** Attended VII National Conference of ISPD at Chennai in November 2009.

**Dr. Ghan Shyam:** Chairperson, Annual Conference of Indian Rheumatology Association at Jaipur, 27-29 November 2009.

**Dr. Anupam Prakash:** Attended ISARCON 2009 at University of Mysore, Karnataka, 17-19 December 2009.

Chairperson, Biomedical Waste Management Conference, Chandigarh, 18 September 2009.

Presented paper at V ASM Conference on Biofilms, Cancun, Mexico, 15-19 November 2009.

**Dr. Manoj Jais and Dr. A. Lakshmy:** Attended XXXIII Annual Conference of IAMM, 5-8 November 2009.

**Dr. S.S. Trivedi:** Presented paper titled 'Endometrial Tuberculosis in Infertility Cases Attending a Teaching Hospital in India and the Treatment Outcome'. XXVI International Congress of Chemotherapy and Infection 2009, Toronto, Canada, 18-21 June 2009.

Presented a paper titled 'Fulminant Hepatic Failure in Pregnancy due to Viral Hepatitis- A study of 91 Cases'.

Presented poster on 'Knowledge, Awareness & Acceptance of HIV Testing Amongst Pregnant Women In A Teaching Hospital In Delhi-A Five Year Study', XXVI International Congress of Chemotherapy and Infection 2009, Toronto, Canada, 18-21 June 2009.

Invited Chairperson, 'Anterior vaginal wall defect repair by PERIGEE - Live Telecast Demonstration', International Live Operative Workshop, Safdarjung Hospital, New Delhi, 30 September 2009.

Invited as Speaker: AUB in Child-bearing Age Group Presented paper titled 'Vaginal Misoprostol for Cervical Priming Prior to First Trimester Surgical Termination of Pregnancy- A Randomized Controlled Trial of 200 women', XXXI Annual Conference of AOGD India Habitat Centre, New Delhi, 10-11 October 2009.

**Dr. Chitra Raghunandan:** Judge, Free paper communication, Annual Conference of NARCHI, AIIMS, 7 September 2009.

**Dr. Usha Gupta:** Attended World Congress on Recent Advances in Obstetrics and Gynaecology, Mumbai, 11-13 September 2009.

Attended XIX World Congress of Obstetrics and Gynaecology, Cape Town, South Africa, 4-9 October 2009.

**Dr. Abha Singh:** Delivered a Guest lecture on 'Intrapartum assessment of fetus'.

As speaker, presented 'Vaginal flora of women in labour and its effect on neonatal conjunctivitis'.

Co-author, presented 'Study of S. Nitric oxide levels & effect of L-Arginine in IUGR pregnancies'.

Co-author, presented 'Perinatal outcome in severe pre eclampsia at < 34 weeks gestation with expectant vs aggressive management'.

Co-author, presented 'Etiology of Nonimmune Hydrops fetalis: Looking at the fetus for answers'.

Co-author in poster presentation on 'Efficacy of 800 vs 400 ug misoprostol in 1st imester missed abortion', XXXI Annual Conference of AOGD at India Habitat Centre, 10-11 October 2009.

Co-author, presented 'Etiological diagnosis and counseling of Congenital malformation detected in pregnancy meeting the challenge in developing world', International Conference on Birth Defects in Developing Countries, Hotel Le Meridian, 4-7 October 2009.

International live Operative Workshop on 'Urogynaecology', at LT of VMMC and Safdurjung Hospital, New Delhi.

**Dr. Manju Puri:** Participated in a debate on 'Prophylactic oophorectomy', against the motion, Annual Conference of NARCHI at AIIMS, 5 September 2009.

**Dr. Reena Yadav:** International live workshop on 'Urogynaecology' at Safderjung Hospital, 30 September 2009.

Presented a paper on 'Conservative management of unruptured ectopic pregnancy', 31st Annual Conference of AOGD at India Habitat Centre, 10-11 October 2009.

**Dr. Kiran Aggarwal:** Presented a paper to study the hemodynamic changes in severe hypertension in pregnancy with pulmonary edema, XXXI Annual Conference AOGD, India Habitat Centre, 10-11 October 2009.

**Dr. Sharda Patra:** Attended Conference of National Association of Reproductive and Child Health of India (NARCHI), Delhi.

**Dr. Seema Singhal:** TRAUMA 2009, 2nd Annual Conference of Indian Society of Trauma and Critical Care (ISTAC), 12-14 November 2009.

**Dr. Prabha Lal:** Attended XV Annual Conference of NARCHI, September 2009.

**Dr. Manisha:** Attended International Conference on Birth Defects in the Developing World, 4-7 October 2009.

**Dr. Pikee Saxena:** Attended XXIV Congress of APAO-Bali, Indonesia, 16-19 May 2009.

Attended Annual Conference of Indian Fertility Society at Scope Complex, 7 February 2010.

**Dr. Pikee Saxena, Dr. Aruna Nigam, Dr. Sharda Ghosh, Dr. Seema Singhal and Dr. Sharda Patra:** Attended XXXI AOGD Conference, IHC, 10-11 October 2009.

**Dr. Neha Gami:** Presented a Poster on 'Critical Appraisal of Abnormal doppler flows in pregnancy', XXXI Annual Conference of AOGD, 10-11 October 2009.

**Dr. J.K. Sahni, Dr. T.S. Anand and Dr. Sunil Kumar:** Chairperson in XXXII Annual AOI Delhi Branch, Delhi, 2-3 May 2009.

Panelist for Cancer Larynx in XXXII Annual AOI Delhi Branch, Delhi, 2-3 May 2009.

**Dr. Sunil Kumar and Dr. A. Chakravarti:** Attended International workshop on 'Frontal Sinus Surgery', Kochi, 20-21 November 2009.

**Dr. A. Chakravarti:** Chairperson, XXXII Annual AOI Delhi Branch, Delhi, 8-9 November 2009.

**Dr. Gautam Bir Singh:** Attended LXII Annual Conference, Mumbai, January 2010.

Panelist for Tinnitus in XXX Annual Conference, MAMC, New Delhi, 2009.

Attended Head & Neck Cancer Conference. AIIMS, New Delhi, 2009.

Attended XXXI Annual Conference, PGIMER & RML Hospital, Delhi, 2009.

Attended XXII Annual Conference, Mumbai, 2009.

**Dr. Archana Puri:** Attended Annual Conference of Indian Association of Paediatric Surgeons, at Lucknow, 2009.

Attended International Continence Society Conference, Delhi, 5-6 December 2009.

**Dr. S. Aneja:** Delivered a lecture on 'Sleep and epilepsy', Asia Oceania Child Neurology Conference at Korea, 9 June 2009.

**Dr. Harish K. Pemde:** Attended National Conference of IAP (Pedicon-2009) at Bangalore, January 2010.

**Dr. S. Aneja:** Delivered a guest lecture on 'Epilepsy and CNS infections'. International Symposium on 'Epilepsy' at PGIMER Chandigarh, 14 April 2009.

**Dr. A.K. Dutta:** Delivered a guest lecture on 'Child health in India 2010 and beyond' Conference of IAP Delhi Branch, July 2009.

**Dr. V.K. Gupta,** Organizing Chairman and chaired a scientific session on 'Associated Problems in Leprosy', III Annual Conference of Indraprastha Association of Rehabilitation Medicine in PGIMER & Dr. R.M.L. Hospital, Delhi, 25-26 July 2009.

**Dr. Sriram Krishnamurthy:** Presented a paper on 'An unusual case of abdominal mass in a 15 year old girl', Conference of Indian Academy of Pediatrics, Delhi, 20 August 2009.

**Dr. Varinder Singh:** Delivered a talk on 'Approach to early childhood wheezing' and conducted an interactive session on 'Pearls in Radiology-Test your knowledge!', Annual Conference of the Rajasthan State Branch of IAP at Birla Auditorium, Jaipur, 24-25 August 2009.

**Dr. Srikanta Basu:** Attended IX National Conference of Adolescent Chapter of Indian Academy of Paediatrics at Belgaon, Karnataka, 18-19 September 2009.

**Dr. B. Patra:** Attended Paediatric Conference of North India at India Habitat Centre, New Delhi, 25-27 September 2009.

**Dr. Anju Seth:** Attended National Conference of IAP Chapter on Growth, Development & Behavioral Paediatrics at Aurangabad, 2-3 October 2009.

**Dr. Jagdish Chandra:** Delivered a lecture on 'Infant Feeding and HIV Infection'. International Workshop on Micronutrients and Child Health at AIIMS, New Delhi, 22 October 2009.

Chairperson for session on 'Management of Thalassemia', International Conference on Thalassemia in New Delhi, 31 October 2009.

**Dr. S. Aneja and Dr. B. Patra and Dr. Sharmila:** Presented the following papers

'Hospital based screening of children for behavioral problems and study of parenting styles', 'Syndrome of Megalencephaly', 'Mega Corpus–Callosum and Complete Lack of Motor Development: Phenotype expansion', 'Maple syrup urine disorder: An unusual manifestation of macro-crania and Niemann Pick type A disease with absence of Nieman Pick cells in bone marrow', International Conference of Pediatric Neurology and Epilepsy and Second National Conference of Association of Child Neurology (Neurocon-2009), Advanced Pediatric Centre, PGIMER, Chandigarh, 30 October-1 November 2009.

**Dr. Jagdish Chandra:** Delivered a lecture on 'Megaloblastic Anemia Revisited', Annual Conference of Paediatrics Hematology Oncology Chapter of Indian Academy of Pediatrics in Chandigarh, 14 November 2009.

Chairperson for session on 'Bone Marrow Failure Syndromes', Golden Jubilee National Conference of ISHTM in New Delhi, 22 November 2009.

**Dr. A.K. Dutta:** Delivered a guest lecture on 'Ethical practices in Neonatology', Annual Conference of NNF India (Neocon 2009).

**Dr. Vikram:** Delivered a guest lecture on 'Burnout in NICU', Annual Conference of NNF India (Neocon 2009), Ahmedabad, 10-13 December 2009.

**Dr. M. Jain:** Poster presentation entitled 'Extra renal multicentric intra articular angiomyolipoma rare entity: A case report', M. Jain, M. Nain, S. Agarwal and M.K. Varshney, VI Asia Pacific IAP Congress, Kochi, Kerala, 20-23 August 2009.

**Dr. Kiran Agarwal:** Co-author in Poster entitled 'Lymphoblast lymphoma of Tenon's capsule of eye – an unusual presentation', Deepti, K. Agarwal, O. Prakash, S. Shukla and S. Jain, 58th Annual Conference of IAPM, Kolkata, 18-23 December 2009.

**Dr. Shilpi Agarwal:** Poster presentation entitled 'Primary neuroendocrine carcinoma of breast: A case report', S. Agarwal and K.R. Goel, 6th Asia Pacific IAP Congress, Kochi, Kerala, 20-23 August 2009.

Co-author in poster entitled 'A Clinicohematological study of Pancytopenia in Pediatric age group', R. Chauhan, D. Chauhan, S. Agarwal and J. Chandra, Golden Jubilee Conference ISHTM, AIIMS, New Delhi, 19-22 November 2009.

**Dr. Anita Nangia:** Co-author in Paper Presentation entitled 'Markers of early onset DIC in obstetric sepsis', N. Tejwani, A. Nangia, U. Saha and M. Puri, Golden Jubilee Conference ISHTM, AIIMS, New Delhi, 19-22 November 2009.

**Dr. Shailja Shukla:** Poster presentation entitled 'Bilateral Symmetrical facial swelling–An onconconscious Presentation of Tuberculosis', S. Shukla, P. Malhan and Labli Chand, VI Asia Pacific IAP Congress, Kochi, Kerala, 20-23 August 2009.

**Dr. Sangeeta Pahuja:** Presented a paper (Oral) entitled 'Alloimmunization in multitransfused Thalassemic Children: A hospital based study', S. Pahuja, M. Pujani, S.K. Gupta and M. Jain, XXXIV Annual National Conference of ISBIT, New Delhi, 20-22 November 2009.



Co-author in Oral Paper entitled 'Rh phenotype of donor population and its implications in clinical setting'.

**S. Jain, S. Pahuja, R. Goel and M. Jain:** Golden Jubilee Annual Conference ISHTM 2009, AIIMS, New Delhi.

**Dr. Shalini Bahadur:** Attended Golden Jubilee Conference of ISHTM, 19-22 November 2009.

**Dr. Smita Singh:** Paper presentation entitled 'Significance of careful P/S examination in a case of Ichthyosis', S. Singh, S. Sharma and S. Bansal, Golden Jubilee Annual Conference of ISHTM 2009, AIIMS, New Delhi, 19-22 November 2009.

**Dr. K.E.S. Unni:** Attended X Bienial Conference on Indian Association of Child and Adolescent Mental Health, 23-25 November 2009.

**Dr. D. Kataria:** Chaired scientific session, VIII Annual National Conference and panelist in panel discussion on Legal Psychiatry and Scientific Lecture presentation on Biofeedback, 21-22 November 2009.

**Dr. Y.K. Saxena:** Attended 2nd International Clinical Oncology Conference, 24-25 October 2009.

**Dr. M.K. Narula:** Attended VII ISPR Conference, September 2009.

**Dr. Ajay Kumar:** Chairperson in Scientific Session, International Conference 'TRAUMA 2009', Level I Academic meeting for the advancement of Trauma Care and Research in India.

**Dr. M.P. Arora:** Chairperson in a Scientific Session on SSI Annual Conference of Delhi State Chapter, ASI, Dr. RML Hospital November 2009.

Attended Annual Conference of ASI, Coimbatore, 26-30 December 2009.

**Dr. Manoj Andley:** Attended IV International Congress of AMASI, Mumbai, 21-24 May 2009.

Chairperson in a Scientific Session, International Congress of ISTAC, JPN Apex Trauma Centre, AIIMS, New Delhi, 12-15 November 2009.

**Dr. Deborshi Sharma:** Speaker on 'Laparoscopic Management of Liver Hydatid Disease', IV International Congress of Association of Minimal Access Surgeons of India (AMASICON-2009), Mumbai, 22-24 May 2009.

### **Publications**

**Singh, R., Jain, A., Mishra, S., Kohli, P. 2009.** 'Clinical evaluation for predicting difficult laryngoscopy in obstetric patients'. *J. Anaesth. Clin. Pharmacol*, 25(1): 38-42.

**Meena, K., Pandey, M. and Jain, A. 2009.** 'Comparison of Induction and recovery characteristics of sevoflurane versus Halothane in pr-school children undergoing cleft lip-palate repair'. *J. Anaesth. Clin. Pharmacol*, 25(2): 171-74.

- Singh, R., Jain, A. and Kumar, A. 2009.** 'Ondansetron/Dexamethasone for prophylaxis against post-operative Nausea and Vomiting'. *J. Anaesth. Clin. Pharmacol*, 25(3): 305-10.
- Singh, R., Padmaja, S. and Jain, A. 2009.** 'Incidence of post dural puncture headache with 23 gauge Quinke needle in Emergency Lower segment Caesarean Section—an audit'. *J. Anaesth. Clin. Pharmacol*, 25(4): 486-90.
- Chaudhary, L. 2009.** 'Pre-operative Assessment of patients on Anti-coagulants and anti-fibrinolytic drugs'. ISA (Delhi), *News Bulletin*, June.
- Singh, R., Singh, P. and Vajifdar Hoday. 2009.** 'A Comparison of Truview Infant EVO2 Laryngoscope with the Miller Blade in Neonates and Infants'. *Pediatric Anesthesia*, 19: 338-42.
- Singh, R. 2009.** 'A Clinicians Viewpoint on UG Teaching and Training in Pharmacology'. In abstract book of 1st National Symposium-Cum-Workshop on 'Problem-based Teaching/Learning and Formulation of a Need-based Contemporary Curriculum in UG Pharmacology Education', at UCMS, 27-28 February 2009.
- Murthy, T.V.S.P. and Singh, R. 2009.** 'Alpha 2 Adrenoceptor Agonist – Dexmedetomidine – Role in Anaesthesia and Intensive Care: A Clinical Review'. *J. Anaesth Clin Pharmacol*, 25(3): 267-72.
- Singh, R., Kumar, N. and Vajifdar Hoday. 2009.** 'Midazolam as a Sole Sedative for Computed Tomography Imaging in Paediatric Patients'. *Pediatric Anesthesia*, 19: 899-904.
- Mahajan, A., Paul, S. and Das, S. 2009.** 'An anatomical variation in the branching pattern of the celiac trunk'. *Case report. Arch. Med Sci.*, 5: 117-19.
- Agarwal, B.B. and Agarwal, S. 2009.** 'Recurrent laryngeal nerve, phonation & voice preservation – energy devices in voice surgery- a note of caution – Langenbecks'. *Arch Sug.*, 394(5): 911.
- Gautam, Y., Sharma, A.K. and Aggarwal, A.K., et. al.** 'A cross-sectional study of QOL of Diabetic Patients at Tertiary Care Hospitals in Delhi'. *Indian Journal Community Medicine*, 34: 346-50.
- Ray, T.K. 2009.** 'Swine flu- An epidemiological Review'. *J. Communicable Dis.* 41(3): 139-48.
- Ray, T.K. 2009.** 'Screening for hearing loss in infants'. *NMJI* 22(5): 248-49.
- Mehra, P. 2009.** 'Quality of Life changes post wisdom tooth removal'. *Indian J. of OMFS*.
- Chander, R., Gupta, T., Rani, S. and Nangia, A. 2009.** 'Erythrodermic Juvenile Dermatomyositis'. *Pediatr. Dermatol*, 26(2): 234-35.
- Garg, T., Chander, R., Srihar, R. and Gupta, T. 2009.** 'Acquired Dermal Melanocytosis Involving the hand'. *Australas J. Dermatol*, 50(1): 72-73.

- Chander, R., Kakkar, S., Garg, T. and Mittal, S. 2009.** 'Treatment of balanitis of Zoon with Tacrolimus 0.03% ointment'. *Ind. J. STD & AIDS*, 30(1): 56-57.
- Chander, R., Jain, A., Mal, J. and Jaykar, K. 2009.** 'Ascher syndrome: A case report'. *Pediatr. Dermatol*, 26(5): 631-32.
- Atal, D.K., Murari, A. and Naik, S.K.** 'Gender differentiation from sternal index'. *Indian Journal of Forensic Medicine & Pathology*, 1(3&4): 71-75.
- Wadhawan, M., Murari, A., Rani, Y., Naik, S.K., Atal, D.K. 2009.** 'Correlation of age from degree of fusion between sternal joints'. *Indian Journal of Forensic Medicine & Pathology*, 2(2): 83-89.
- Malhotra, V.L., Khandpur, N., Lakshmy, A. and Nagarkar, M. 2009.** 'Role of C reactive protein as a rapid screening test for the judicious use of antibiotics in neonatal sepsis'. *J. Commun. Dis.*, 41(4): 275-77.
- Shalimar, S., Pangtey, G.S. and Singh, K.K. 2009.** 'Clopidogrel plus aspirin in atrial fibrillation'. *N Engl J Med*, Sep 24, 361(13): 1314, author reply, 1314-15.
- Singh, V.K., Chandra, S., Kumar, S., Pangtey, G., Mohan, A. and Guleria, R. 2009.** 'A common medical error: lung cancer misdiagnosed as sputum negative tuberculosis'. *Asian Pac J. Cancer Prev*, Jul-Sep,10(3): 335-38.
- Goenka, A.H., Das, C.J., Goel, P., Srinivas, M. and Pangtey, G.S. 2009.** 'Giant primary posterior mediastinal hydatid cyst in a child: report of a case and review of literature'. *Pediatr. Surg. Int.*, 25(7): 647-49.
- Sharma, S.K. 2009.** 'Interesting case of Erythema induratum-a case of Beizin's variant of Poncet's arthritis'. *JAPI*.
- Prakash, A. and Prakash, N. 2009.** 'Diabetic neuropathy: A brief overview of newer management options'. *Journal of Delhi Diabetic Forum*, April-June. (2): 3-10.
- Prakash, A. and Prakash, N. 2009.** 'Nutritional advice for chronic kidney disease patients'. *Journal of Delhi Diabetic Forum*, October-December, (4): 17-21.
- Saxena, S., Jais, M., Dutta, R. and Dutta, A.K. 2009.** 'Serological immunity to diphtheria and tetanus in healthy adults in Delhi and India'. *Tropical Doctor*, 39: 160-163.
- Malhotra, V.L., Khanpur, N., Lakshmy, A. and Naragkar, M. 2009.** 'Role of C reactive protein as a rapid screening test for the judicious use of antibiotics in neonatal sepsis'. *J. Commun Dis*, 41(4): 275-77.
- Gupta, N., Beri, S. and D'souza, P. 2009.** 'Cholesterolosis Bulbi of the anterior chamber in Coats Disease' *J. Pediatr. Ophthalmol Strabismus*, June, 25: 1-3.
- Gupta, N., Dhawan, A., Beri, S. and D'souza, P. 2009.** 'Blepharokerato-Conjunctivitis In Children-Epidemiology & Clinical Spectrum'. *Abstract book of Asia Arvo*: 208.

- Trivedi, S.S. and Nagpal, M. 2009.** 'Medical Management of Menorrhagia'. *JIMSA*, 22(4): 225.
- Trivedi, S.S. and Madaan, M. 2009.** 'Minimally Access Techniques for Menorrhagia' *JIMSA*, 22(4): 230.
- Nagpal, M.** Chitra Raghunandan, Arvind Saili 'Oral misoprostol versus intracervical pge2 gel for active management of premature rupture of membranes at term'. *Int. J. of Obs. & Gynae.*, October, 106(1): 23-26.
- Agrawal, S., Jain, A., Mahajan, D. and Raghunandan, C. 2009.** 'Correlation of bone mineral density with biochemical markers in post menopausal women'. *Indian Journal of Clinical Biochemistry*, 24(3): 262-5.
- Puri, M. and Gami, N. 2009.** 'Evaluation and work-up of a woman with menorrhagia'. *JIMSA*, 22(4): 221-24.
- Puri, M. and Sharda Patra, S. 2009.** 'Hysterectomy for menorrhagia: current trends'. *JIMSA*, 22(4): 228-29.
- Puri, M. and Bhutia, K. 2009.** 'Management of menorrhagia in Adolescents'. *JIMSA*, 22(4): 234-36.
- Kushwah, B. and Singh, A. 2009.** 'Sublingual Versus Oral misoprostol for uterine evacuation following early pregnancy failure'. *Int. J. Obs & Gyn*, 106 (1): 43-45.
- Pande, C., Kumar, A., Patra, S., Trivedi, S., Dutta, A. and Sarin, S. 2009.** 'High Maternal Hepatitis B Virus DNA Levels but not HBeAg Positivity Predicts Perinatal Transmission of Hepatitis B to the Newborn'. *Journal of Gastroenterology*, 134(4): A-760.
- Pande, C., Kumar, A., Patra, S., Hazarika, P. and Sarin S.K.** 'Recombinant Hepatitis B Vaccine (RHBV) alone in Preventing Perinatal Transmission of Hepatitis B is similar to Combination of rHBV Plus Hepatitis B Immunoglobulin (HBIG): A Randomized Controlled Trial'. *The American Journal of Gastroenterology*, 102: S215-S248.
- Arora, N. and Choudhary, S. 2009.** 'Pregnancy with Crigler Najjar syndrome type-II'. *Journal of Obstetrics and Gynecology*, 29:(3), 242-44.
- Ghosh, S.B., Tripathi, R., Mala, Y.M. and Khurana, N. 2009.** 'Primary Invasive Carcinoma of Vagina with third degree uterovaginal Prolapse – A case report and review of literature'. *Archives of Gynecology and Obstetrics*, Jan, 279(1): 91-93.
- Mala, Y.M., Ghosh, S.B. and Tripathi, R. 2009.** 'Three-dimensional power Doppler imaging in the diagnosis of polycystic ovary syndrome'. *International J. Gynaecol Obstet.*, 105(1): 36-38.
- Kataria, H. 2009.** 'Multiple nodular outgrowths in hands and feet of a 60 year old man'. *Clinical Orthopaedics*. May.

2009. 'Expandable self locking nail in the management of closed diaphyseal fractures of femur & tibia'. *IJO*.
2009. 'One stage osteotomy & fixation using long proximal femoral nail and fibular graft to correct severe shepheral crook deformity in a patient with fibrous dysplasia–case report'. *Journal of Orthopaedic Surgery*.
- Chakravati, A., Shashidhar, T.B. and Sahni, J.K. 2009.** 'Type viii Oro-facial-digital syndrome: A rare case series of a forgotten syndrome subtype'. *Int. Jr of Paed Otorhinolaryngol extra*, 4: 118-22.
- Anand, T.S., Shashidhar, T.B. and Kumar, S. 2009.** 'Giant Tonsillolith: A case presentation'. *Arch Otolaryngol Head & Neck Surg*, 135(4): 941.
- Arun, M.S., Anand, T.S., Chabra, E., Shashidhar, T.B. and Kumar, S. 2009.** 'Ligation vs Bipolar diathermy coagulation in tonsillectomy–A comparative study'. *Orissa Jr of Otolaryngology and Head & Neck Surgery*, 3(1): 16-18.
- Singh, G.B., Aggarwal, D., Mathur, B.D., Lahiri, T.K., Aggarwal, M.K. and Jain, R.K. 2009.** 'Role of Magill forceps in retrieval of foreign body coin'. *Indian Journal of Otorhinolaryngology & Head and Neck Surgery*, 61: 36-38.
- Rao, R., Dhingra, M.S., Bavdekar, S., Behra, N., Daga, S.R., Dutta, A.K., Kundu, R., Maiya, P., Mishra, P., Shah, R., Shuba, S., Tibrewala, V., Pandhi, S. and Rajamani, A.M. 2009.** 'A comparison of immunogenicity and safety of indigenously developed liquid (DTwPHB) pentavalent combination vaccine (Shan 5) with Easyfive (liq) and TritanrixHB+ Hiberix(lyo) in Indian infants administered according to EPI schedule'. *Hum Vaccine*, 5(6): 425-9, E pub 12 June 2009.
- Sharma, H.J., Dutta, A.K., Joshi, S.M., Malik, S., Bhardwaj, S., Namjoshi, G.S. and Parekh, S.S. 2009.** 'Safety and immunogenicity of diphtheria-tetanus-pertussis vaccine and hepatitis B vaccine as a new tetravalent combination (DTwP/HB) administered alone and at separate sites (DTwP & HB) including comparison with standard commercially available combination vaccine in Indian infants 6-14 weeks of age'. *Hum Vaccine*, May, 5(5): 310-14, E pub May 2009.
- Sharma, H.J., Dutta, A.K., Multani, A.S., Joshi, S.M., Malik, S., Bhardwaj, S., Chakraborty, A., Namjoshi, G.S., Parekh, S. and Verma, V. 2009.** 'Safety and immunogenicity of an indigenously developed Hemophilus Influenzae type b vaccine through various phases of clinical trials'. *Hum Vaccine*, July, 483-87, E pub July 31.
- Saxena, S., Jais, M., Dutta, R. and Dutta, A.K. 2009.** 'Serological immunity to diphtheria and tetanus in healthy adults in Delhi India'. *Trop Doct*, July, 39(3): 160-63.
- Dutta, A.K. 2009.** 'Home Based Newborn Care: How Effective and Feasible?'. *Indian Pediatrics*, 46: 835-40.

- Dutta, A.K., Verghese, V.P., Pemde, H.K., Mathew, L.G. and Ortiz. 2009.** 'Immunogenicity and safety of a pentavalent diphtheria, tetanus, acellular pertussis, inactivated poliovirus, Hemophilus Influenzae type b conjugate combination vaccine (pentaximtm) with hepatitis vaccine'. *Indian Pediatrics*, 46: 975-82.
- Mehrotra, P., Marwaha, R.K., Aneja, S., Seth, A., Singla, B.M., Ashraf, G., Sharma, B., Sastry, A. and Tandon, N. 2009.** 'Hypovitaminosis D and Hypocalcemic seizures in infancy'. *Indian Pediatr*, Oct 14.
- Aneja, S. 2009.** 'Guidelines for diagnosis and management of childhood epilepsy. Expert Committee on Pediatric Epilepsy. Indian Academy of Pediatrics'. *Indian Pediatr*, 46(8): 681-98.
- Kumar, N., Taneja, K.K., Kalra, V., Behari, M., Aneja, S. and Bansal, S.K. 2009.** 'Novel human pathological mutations. Gene symbol: ABCD1. Disease: Aderenoleukodystrophy'. *Hum Genet*, 126(2): 344.
- Saini, A., Singh, V., Chandra, J. and Dutta, A.K. 2009.** 'Kimura's Disease: An Unusual glandular Involvement with Blood and Tissue Eosinophilia'. *Indian J. Pediatr.*, 76(6): 647-48.
- Monga, M., Walia, V., Gandhi, A., Chandra, J. and Sharma, S. 2009.** 'Effect of iron deficiency anemia on visual evoked potential of growing children'. *Brain & Development*.
- Tewari, S., Rehan, H.S., Chandra, J., Mathur, N.N. and Singh, V.** 'Efficacy and safety of single dose of gentamicin in hospitalized Indian children'. *J. Antimicrob. Chemother*, 64: 1096-1101.
- Patra, S., Pemde, H.K., Singh, V. and Chandra, J. 2009.** 'Infantile Osteopetrorickets'. *Indian J. Pediatr*, 76: 1182-83.
- Chandra, J. and Choudhry, V.P. 2009.** 'Stimulating platelet production to raise platelet count in immune thrombocytopenic purpura: a novel approach'. *Indian J. Pediatr.*, 76: 1065-66.
- Chandra, J., Pemde, H.K., Wangjam, T., Singh, V., Sharma, S. and Sharma, R. 2009.** 'Dapsone in the treatment of chronic idiopathic thrombocytopenic purpura in children'. Conference abstracts 13th PHOCON, 2009. OP 8, p. 71 (abstract).
- Patra, B., Maheshwari, A., Chandra, J., Aneja, S. and Seth, A., et. al. 2010.** 'Chronic Idiopathic Myelofibrosis with Myeloid Metaplasia presenting as Refractory Ascites'. *Pediatr. Blood Cancer*, 54(1): 151-53.
- Seth, A., Marwaha, R.K., Singla, B., Aneja, S., Mehrotra, P., Sastry, A., Khurana, M.L., Mani, K., Sharma, B. and Tandon, N.** 'Vitamin D nutrition status of exclusively breast fed infants and their mothers'. *Journal of Pediatric Endocrinology & Metabolism*, 22(3): 241-46.

- Aggarwal, V., Seth, A., Sharma, S., Aneja, S., Sammarco, P. and Fabiano, C. 2010.** 'Persistent jaundice in an infant with homozygous beta thalassemia due to co-inherited Crigler-Najjar syndrome'. *Pediatr Blood Cancer*, 54(4): 627-28.
- Maheshwari, A., Seth, A., Choudhury, M., Aggarwal, V., Patra, B., Aggarwal, S., Sharmila, B.M. and Aneja, S. 2009.** 'Rosai Dorfman Disease: A case with lymphadenopathy and liver involvement'. *J. Pediatr Hematol Oncol*, 31: 200-2.
- Krishnamurthy, S., Singh, V. and Gupta, P. 2009.** 'Neonatal frostbite with gangrene of toes'. *Pediatr Dermatol*, 26: 625-26.
- Garg, S., Punia, R.P.S., Basu, S. and Mohan, H. 2009.** 'Comparison of needle autopsy with conventional autopsy in neonates'. *Fetal Pediatr Pathol.*, 28(3): 139-50.
- Dimri, S., Tiwari, P., Basu, S. and Parmar, VR. 2009.** 'Drug use pattern in children at a teaching hospital'. *Indian Pediatr*, 46(2): 165-67.
- Parmar, V.R., Kumar, A., Kaur, R., Parmar, S., Basu, S., Kaur, D., Jain, S. and Narula, S. 2009.** 'Experience with Kangaroo Mother care in a neonatal intensive care (NICU) in Chandigarh, India'. *Indian Journal of Pediatr.*, 76: 35-28.
- Basu, S. 2009.** 'Working group on management of CHD in India'. Drug therapy of Cardiac diseases in children. *Indian Pediatr*, (46): 310-38.
- Parakh, A., Agarwal, N., Aggarwal, A. and Aneja, A. 2009.** 'Plasmodium vivax malaria in children: Uncommon manifestations'. *Annals of Tropical Paediatrics*, 29: 253-56.
- Bhattacharya, M., Parakh, A. and Narang, M. 2009.** 'Tigecycline'. *J. Postgrad Med.*, 55(1): 65-68.
- Parakh, A., Dubey, A.P., Garg, A., Khurana, N. and Aggarwal, S.K. 2009.** 'Cystic lymphangiomas hamartoma masquerading as massive ascites in a child'. *Indian J. Pediatr.*, 76(7): 753-54.
- Saili, A., Dudeja, A., Nangia, S. and Datta, V. 2009.** 'Congenital hypoplasia of Internal Carotid artery'. *Indian J. of Pediatr*, 76(10): 1061-62.
- Parakh, A., Dubey, A.P., Kumar, A. and Maheshwari, A. 2009.** 'Lipodystrophy and metabolic complications of First-Line, WHO-Recommended HAART Regimens in children: A pilot study from North India'. *Indian J. Pediatr.*
- Choudhury, M., Singh, S.K., Pujani, M. and Pathania, O.P. 2009.** 'A case of leiomyosarcoma of kidney clinically & radiologically misdiagnosed as renal cell carcinoma'. *Indian J. of Cancer*, 46(3): 241-43.
- Sharma, S., Malhan, P., Pujani, M. and Pujani, M. 2009.** 'Auer rod like inclusions in reactive plasmacytosis seen with AML'. *JPGM.*, 55(3): 197.

- Sharma, S., Nangia, A. and Jain, S. et. al.** 'Clinicohematological profile of Acute Megakaryoblastic Leukemia –Report of 5 cases'. *Advances in Hematology*, DOI 10.1155/2009 online.
- Monga, M., Walia, V., Gandhi, A., Chandra, J. and Sharma, S. 2009.** 'Effect of Iron deficiency on VEP of growing children'. *Brain and development*. online.
- Shukla, S., Singh, S., Jain, M., Kumar, S.S., Chander, R. and Kawatra, N. 2009.** 'Paediatric cutaneous Blastomycosis. A rare case diagnosed on FNAC'. *Diagnostic Cytopathology*, 37: 119-21.
- Shukla, S., Singh, S.K. and Pujani, M. 2009.** 'Multicentric malignant gastrointestinal stromal tumour – A case report'. *Saudi J. Gastroenterology*, 15(1): 45-48.
2009. 'Multiple disseminated abdominal hydatidosis presenting into gross hydatiduria as rare case report'. *Indian J. Path Microbiology*, 51(2): 214-15.
- Shukla, S., Pujani, M., Singh, S.K., Pujani, M. and Choudhury, S.R. 2009.** 'Omental myxoid Mesentric Hamartoma – A case report with review of literature'. *Tropical Gastroenterol*, 30(1): 49-50.
- Bhadur, S., Jain, S., Goel, R., Pahuja, S. and Jain, M. 2009.** 'Analysis of Blood donor deferral characteristics in Delhi, India'. *South East Asian J. of Tropical Medicine and Public Health*, 40(5): 1087-91.
- Rehan, H.S., Kakkar, A.K., and Chopra, D. 2009.** 'Physician guide to Pharmacovigilance: Terminology and causality assessment'. *European J. Internal Medicine*, 20(1): 3-8.
- Kakar, A., Rehan, H.S., Uni, K.E.S., Neeraj and Kataria, D. 2009.** 'Comparative efficacy safety of Oxalazine versus dilvaproex sodium in the treatment of acute mania: A pilot study'. *European J. Psychiatry*, 24(3): 178-82.
- Chopra, D., Rehan, H.S., Mehra, P. and Kakkar, A.K. 2009.** 'A randomized double blind, placebo controlled study comparing the efficacy and safety of paracetamol, serratiopeptidase, ibuprofen and betamethasone using dental impaction pain model'. *International J. Oral Maxillofacial Surgery*, 38: 350-55.
- Tiwari, S., Rehan, H.S., Chandra, J., Mathur, N.N. and Singh, V. 2009.** 'Efficacy and safety of a single dose of gentamicin in hospitalized Indian children: a quasi-randomized trial'. *J. Antimicrob Chemother*. Sep16: 19759043 (PSGEBD).
- Rehan, H.S. and Chopra, D. 2009.** 'Guide to reporting adverse drug reactions'. *International Journal of Risk & Safety in Medicine*, 21(4): 229-34.
- Monga, M., Walia, V., Gandhi, A., Chandra, J. and Sharma, S. 2009.** 'Effect of iron deficiency anemia on visual evoked potential of growing children'. *J. Brain Dev*, Epub: DOI: 2009.02.009



- Narula, M.K., Gupta, N., Anand, R. and Kapoor, S. 2009.** 'Extraosseous Ewing's Sarcoma/ Primitive Neuroectodermal Tumor of Sacral Nerve Plexus'. *IJRI*, 19(2): 151-59.
- Chander, R., Jain, A., Garg, T. and Anand, R. 2009.** 'Faun Tail Nevus with aplasia cutis congenita'. *Pediatric Dermatol*, 26(4): 474-75.
- Kumar, M., Bahl, A., Sharma, D.N., Sharma, R., Gupta, R., Ahmed, S., Julka, P.K. and Rath, G.K. 2009.** 'Cylindrical cell carcinoma of base of tongue-A rare variant of squamous cell carcinoma'. *J. Cancer Res. Ther.*, (2).
- Garg, S., Andley, M., Kumar, A., Saurabh, G. and Gautam, V. 2009.** 'Anal Manometry in Surgery for Fistula in Ano'. *Tropical Gastroenterology*, 30(3): 24.
- Sharma, D. and Shukla, V.K. 2009.** 'Laparoscopic Splenectomy – 16 years since Delaitre & review of current literature'. *Surgical Laparo Endosc & Percut Tech*, 19(3): 190-94.
- Sharma, D., Babu, R. and Thomas, S. 2009.** 'Laparoscopic cholecystectomy as day care surgery'. *ANZ Journal of Surgery*, 79(5): 410-11.
- Saurabh, G. and Saraswat, N. 2009.** 'Comparative Evaluation between intrathecal sufentanil with bupivacaine to fentanyl with bupivacaine and bupivacaine alone for intraoperative and postoperative analgesia in infraumbilical surgeries'. *The Internet Journal of Anesthesiology*.
- Sharma, D., Babu, R., Sood, G., Kapoor, G., Solanki, R.S. and Thomas, S. 2009.** 'Xanthogranulomatous cholecystitis masquerading as malignancy with liver metastasis'. *ANZ Journal of Surgery*, 79(12): 946-47.
- Sharma, D., Babu, R., Borghoria, S., Baruah, D., Thomas, S. and Kumar, A. 2009.** 'Laparoscopy for liver hydatid disease: Where do we stand today?'. *Surgical Laparo Endosc & Percut Tech*, Dec, 19(6): 419-23.

## UNIVERSITY COLLEGE OF MEDICAL SCIENCES

### New course introduced

Biostatistics & Medical Informatics

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Therapeutic efficacy and safety evaluation of selected Unani drugs in the treatment of rheumatoid arthritis:an experimental study.	Dr. R.S. Ahmed	AYUSH and Ministry of Health & Famili Welfare

Development of a model system for quantitative microwave exposure to experimental animals for studying behavioral, biochemical, immunological and genotoxic effects.	Dr. B.D. Banerjee	ICMR
Biochemical studies on the mechanism of action of hypoglycemic and hypolipidemic compounds from the fruits of <i>Withania coagulans</i> (Doda paneer).	Dr. J.K. Ghambir	ICMR
Studies on isolation and mechanism of action of anti-hyperglycemic compound(s) from germinating seeds of <i>Glycine max</i> in experimental diabetes.	Dr. S.B. Sharma	UGC
Oxidative stress induced thyroid hormone disruption: A possible association with organochlorine pesticides.	Dr. A. Aggarwal	ICMR, STS
Premature graying – a valuable clinical sign in smokers predating early onset of coronary artery disease.	Dr. S. Dwivedi	UGC
To study the immune response to common recall antigens in auto immune skin diseases before and after treatment.	Dr. Shukla Das	DST
Study of <i>V. cholerae</i> profile by RFLP and plasmid analysis and compare with anti biogram.	Dr. Shukla Das	IMRG, UCMS
To evaluate the role of CRP in serum, urine & CSF in cryptococcal meningitis before and after treatment.	Dr. Bineeta Kashyap	IMRG, UCMS
Development of indigineous E-test strips.	Dr. Sumit Rai	IMRG, UCMS
Immunogenicity of BGC, DPT and Hepatitis B vaccination in exclusively breast fed and mixed fed infants: A comparative study.	Dr. M.M.A. Faridi	Directorate of Family Welfare

To evaluate the effect of caffeine on facilitatory and inhibitory processes using stroop task.	Dr. Neelam Vaney	ICMR, STS
To study the effect of lack of sleep on attention and information processing in medical under-graduate using paper pencil tasks.	Dr. Dixit Abhinav	ICMR, STS
Controlled study of risk factors in patients with BPH and carcinoma prostate awarded to individual teachers.	Dr. Sanjay Gupta	IMRG, UCMS
Studies on pesticide induced apoptosis with special reference to the role of heat shock proteins.	Dr. B.D. Banerjee	ICMR
Risk assessment of pesticide residues in humans with special reference to adverse reproductive outcomes in Delhi population.		Central Pollution Control Board, Ministry of Environment and Forest
Biochemical studies on the mechanism of action of active Compound(s) from the central part of stem of <i>Musa sapientum</i> .	Dr. Shukla Rimi	ICMR
Oral health promotion through dietary practices in school children.	Dr. Harpreet Grewal	WHO
Nasal carriage of constitutive and inducible clindamycin resistant staphylococcus aureus & CONS – A Hospital based study.	Dr. N.P. Singh	STS Project, ICMR
Multicentric Trial on Efficacy and Safety of Azithromycin in Uncomplicated Typhoid fever.	Dr. Anju Aggarwal	M/s. Mediclin Research
Effect of carbamazepine therapy on vitamin D and parathyroid status in ambulatory children with partial epilepsy.	Dr. Anju Aggarwal	ICMR

Pulmonary Function and Oxidative Stress in Workers Exposed to Styrene in Plastic Factory.	Dr. Vaney Neelam	IMRG, UCMS
Depression in HIV/AIDS Patients. Controlled study of clinical, environmental and genetic risk factors for fibroadenoma breast and carcinoma breast.	Dr. M.S. Bhatia Dr. Sanjay Gupta	ICMR STS Intramural research Grant by UCMS
Abdominal tuberculosis: Clinicopathological profile and current management practices in GTB Hospital in patients undergoing laparotomy.	Dr. B.K. Jain	Intramural research Grant by UCMS

### Library Development

No. of books added	:	352
No. of Journals subscribed to	:	173
Current (i) Foreign		124
(ii) Indian		49
Total		173
Bound volumes		19881

### New Additions

Dr. Rajarshi Kar	Lecturer	Bio-Chemistry
Dr. Mohit Mehndiratta	Lecturer	Bio-Chemistry
Dr. Sudip Sen	Lecturer	Bio-Chemistry
Dr. Archana Singh	Lecturer	Bio-Chemistry
Dr. Harpreet Grewal	Professor	Dentistry
Dr. Arvind Kumar	Lecturer	Forensics Medicine
Dr. Amitesh Aggarwal	Lecturer	Medicine
Dr. Ashish Goel	Lecturer	Medicine
Dr. Rajat Jhamb	Lecturer	Medicine
Dr. Kuldeep Kumar	Lecturer	Medicine
Dr. Alpana Raizada	Lecturer	Medicine
Dr. Shiva Narang	Asstt. Prof.	Medicine
Dr. Srimant Sahu	Asstt. Prof.	Medicine
Dr. Sumit Rai	Lecturer	Microbiology
Dr. Rehan-Ul Haq	Reader	Orthopaedics
Dr. Mayank Agarwal	Lecturer	Orthopaedics
Dr. Shruti Srivastava	Lecturer	Psychiatry
Dr. Naveen Sharma	Reader	Surgery

Dr. Nitin Agarwal	Lecturer	Surgery
Dr. P.K. Garg	Lecturer	Surgery
Dr. A.L. Noba	Lecturer	Surgery

### **Appointments of faculty members to higher Posts/Assignments**

**Dr. R.S. Ahmed:** Visiting Faculty at School of Environmental Studies, Delhi University, Academic Year 2009-10.

**Dr. B.D. Banerjee:** Visiting Faculty and co-ordinator in the area of environmental health at School of Environmental Studies, Delhi University.

**Dr. A.K. Tripathi:** Visiting Faculty at School of Environmental Studies, Delhi University.

**Dr. A. Indrayan:** Visiting Faculty, Public Health Foundation of India.

**Dr. O.P. Kalra:** Visiting Faculty, Department of Emergency Medicine, University of South Florida, Tampa, USA.

**Dr. S. Das:** Visiting Faculty at School of Environmental Studies, Delhi University.

**Dr. Sudhir Kumar:** Visiting Professor, Department of Orthopaedics, University of Malaysia, Coulampur.

Visiting Professor, Department of Orthopaedics, University Sains Malaysia, Kotabharu, Malaysia.

Visiting Professor, Department of Orthopaedics, National Academy of Medical Sciences, Beer Hospital, Kathmandu.

**Dr. B.D. Banerjee:** Member of the Editorial Advisory Board of *The Open Journal of Toxinology*.

**Dr. J.K. Ghambir:** Treasurer, Indian Society of Atherosclerosis Research.

**Dr. N.K. Aggarwal:** Co-chairman of the organizing committee of International Conference on Medical Negligence and Litigation in Medical Practice and National Conference on Recent Advances in Forensic Medicine and Toxicology, Kodaikonal.

**S.K. Verma:** Invited Guest Faculty by Haryana Institute of Public Administration, Gurgaon, Haryana, to take sessions on 'Medical ethics and Medico-legal case and Legal Responsibilities'.

**Dr. A. Aggarwal:** Organizing Secretary, Indian Society for Atherosclerosis Research Conference 2010, Delhi.

**Dr. S. Dwivedi:** External Member on the Board of Studies at School of Medical Sciences and Research, Sharda University, Greater Noida, UP.

Member of Board of Studies, Faculty of Medicine of Guru Gobind Singh Indraprastha University, Delhi.

Member of Board of Studies, Faculty of Modern Medicine of Banaras Hindu University.

Expert Committee member constituted by Guru Gobind Singh Indraprastha University, Delhi, for Evaluation of the infrastructure and academic facilities available for conduct of the PG Medical Degrees/Diploma and Super Specialty Medical courses at PGIMER, Dr. RML Hospital.

Member, Task Force on Terminalia arjuna, Department of Biotechnology, Government of India.

**Dr. A. Goel:** Treasurer, Indian Society for Atherosclerosis Research Conference.

Member, International Advisory Board and Scientific Committee, International Preparedness and Response to Emergencies and Disaster, Tel Aviv, Israel.

Guest Editor, *Journal of General Medicine*.

Member, Editorial Board, *Cell 2 Soul*.

Member, International Editorial Board, *Journal of Public Health and Epidemiology*.

Member, International Advisory Board, *Journal of Emergency Trauma and Shock*, USA.

Area Representative Leader from India, Emergency Medicine Residents Association, USA.

**Dr. O.P. Kalra:** Vice Dean, Indian College of Physicians, Association of Physicians of India.

**Dr. Ashwani Kumar:** Representing Medical Council of India at National Consultation on Public Health Workforce in India, Ministry of Health and Family Welfare and WHO Country Office for India, New Delhi.

Member of high-level committee constituted by Vigilance Bureau of Department of Higher Education, Ministry of Human Resource Development, Govt. of India.

Representing Medical Council of India at National Workshop on HIV/AIDS in Medical Curriculum in Delhi.

Part of the organizing team in the organization of national workshop on 'Alternative Model of Undergraduate Medical Education for Rural set up' organized by Medical Council of India and Ministry of Health and Family Welfare, Govt. of India, New Delhi.

Member, Expert group to restructure the Medical Education Curriculum at Medical Council of India.

Member, Cell for Medical Ethics and Health Policy Research at Medical Council of India, New Delhi.

**Dr. V.G. Ramachandran:** Invited to Chair a Session on 'Integrated Teaching Experience in Pre – Service Training' in the National Workshop on 'HIV/AIDS in Medical Curriculum', Delhi, UCMS in collaboration with WHO, Country Office for India.

**Dr. Sudhir Kumar:** Member, Advisory Board, *Indian Journal of Orthopaedics*.

**Dr. Pankaj Amite:** Executive Member, Indian Federation of Sports Medicine.

President Elect, Indian Society of Otology.

**Dr. Anju Aggarwal:** Executive Member, Indian Academy of Pediatrics.

**Dr. Pooja Dewan:** Executive Member, Editorial Board, Indian Pediatrics.

**Dr. M.M.A. Faridi:** Invited by UNICEF to visit Yemen as IYCF Consultant to provide technical support to Ministry of Republic Health and Population of Yemen.

Invited by Govt. of Afghanistan as Course Director to conduct 'T-O-T on Breast Milk Substitute Code' for Afghanistan.

Member, Editorial Board, *International Journal of Pediatrics Emergency*.

**Dr. Manish Narang:** Member, Editorial Board, *Indian Journal of Medical Specialties*.

**Dr. Dheeraj Shah:** Member, IAP National Consultative Group for 'Current Evidence Based Management of Acute Diarrhea': a project supported by UNICEF.

Member, India CLEN Task Force for 'Rational Use of Antibiotics for Pneumonia'.

Associate Editor, *Indian Pediatrics*.

**Dr. M.S. Bhatia:** CME Co-chairperson, Indian Psychiatric Society.

Field Editor, *Indian Journal of Psychiatry*.

**Dr. S.K. Bhargava:** Chairman, Constitution Review Committee of Indian Radiological & Imaging Association.

### **Honours/Distinctions**

**Dr. B.D. Banerjee:** Visited Department of Psychiatry, College of Medicine, University of Illinois, Chicago, US, under Indo-US sponsored programme for scientific interaction and programme development, and presented paper as invited speaker on 'Neurobehavior responses and cellular changes in experimental animals and human poisoning cases: Association with xenobiotic exposure', in Indo-US Bilateral Conference on Translational Neuroscience 2009: New Trends on Mental and Neurodegenerative Research.

**Dr. J.K. Gambhir:** Awarded International Travel grant of the American Association of Clinical Chemistry (AACC), Chicago.

Awarded the 'Dr. R.N. Chakraverti Oration for Clinical Research' at ISARCON-09, Mysore.

**Dr. A. Aggarwal:** Elected member of National Academy of Medical Sciences.

Acknowledged by The World Health Organisation and Education Development Center for contributing in the TEACH- VIP E learning project.

**Dr. S. Dwivedi:** Nadgouda Oration of the Research Society for Study on Diabetes in India.  
'Distinguished Alumnus' of Banaras Hindu University.

**Dr. A. Goel:** Travel Bursary to attend the International Conference on Emerging Infectious Diseases, Singapore.

**Dr. Shilpa Khanna:** Satyagupta Award, 21 January 2010.

**Dr. M.S. Bhatia:** Samvedna Award (National Award of Indian Association of Private Psychiatry).

**Dr. T. Ghosh, Dr. R. Gupta, Dr. P. Midha and Dr. S.S. Sircar:** INTAS Award (Indian Association of Geriatric Mental Health).

**Dr. S. Srivastava:** Samvedna Award (National Award of Indian Association of Private Psychiatry).

**Dr. B.K. Jain:** Fellowship of National Academy of Medical Sciences, India.

**Dr. A. Indrayan:** Elected Fellow of Indian Academy of Sciences.

**Dr. N.K. Aggarwal:** Distinguished Service award was given by IMA-EDB on Doctor's Day Award-2009.

Member, National Editorial Advisory Board, *Medicolegal Update*.

Member, National Editorial Advisory Board, *Indian Journal of Forensic Medicine & Toxicology*.

Member, Editorial Committee, *Delhi Psychiatry Journal*.

**Dr. S.K. Verma:** Member, International Advisory Board, *Journal of Forensic Medicine & Toxicology*.

**Dr. Das Shukla:** Guest lecture on 'Current Trends in Lab Diagnosis of Malaria' by Indian Association of Pathologist, 2009.

Lead lecture at VIROCON Conference in Virology at Tirupati, March 2010.

**Dr. V.G. Ramachandran:** Appointed Member of Institutional Biosafety Committee, Institutional Ethical Committee - Human Research, Institutional Animal Ethics Committee.

**Dr. Sudhir Kumar:** Invited Speaker: 'Glenoplasty For Recurrent Anterior Dislocation Shoulder', Orthopaedic Surgeon Conference, Myanmar Medical Association, Yangon, Burma, 5-7 November 2009.

Invited Speaker: 'Decal bone in Musculoskeletal Disorder', Orthopaedic Surgeon Conference, Myanmar Medical Association, Yangon, Burma, 5-7 November 2009.

Coordinator: National PG Course In Orthopaedics, Burdwan (W.B.), 22-24 January 2010.



Invited Speaker: Instruction Course Lecture of Indian Orthopaedic Association, Shimla, 27-28 March 2010.

**Dr. Abhinav Dixit:** Appointed Member, Editorial Board, *Indian Journal of Medical Specialties*.

**Dr. Nilima Shankar:** Appointed as Member, Editorial Board, *Indian Journal of Pain*, Delhi.

**Dr. Satender Singh:** Member of American Thyroid Association.

**Dr. Neelam Vaney:** Appointed as the Executive Editor, *Indian Journal of Medical Specialties*.

**Dr. M.S. Bhatia:** Invited speaker in a CME organized by Delhi Psychiatric Society on Quality of life in Schizophrenia.

Elected Honorary Member of Delhi Psychiatric Society.

Executive Council Member in many International Journals, e.g. *Journal of Psychosomatic Research*, *International Journal of Psychiatry in Medicine*, *Nicotine & Tobacco Research*.

**Dr. B.K. Jain:** Member of Editorial Board, *World Journal of Gastroenterology* for 2010-2012.

#### **Seminars/Conferences attended**

**Dr. B.D. Banerjee:** International Symposium on 'Environmental Pollution, Ecology and Human Health', Tirupati, 25-27 July 2009.

Indo-US Bilateral Conference on Translational Neuroscience, New Trends on Mental and Neurodegenerative Research, Chicago, USA, 15-16 October 2009.

**Dr. Mohit Mehndiratta:** IDF X World Diabetic Congress, Montreal, Canada, 19-23 October 2009.

**Dr. Archana Singh:** Conference of Society for Free Radical Research, Hyderabad, 12-13 January 2010.

**Dr. A.K. Tripathi:** XXXVI Annual Conference of the Indian Immunological Society, Immuncon, Bengaluru, 16-19 December 2009.

**Dr. A.K. Bansal:** International Conference on Medical Practice and National Conference on Recent Advances in Forensic Medicine & Toxicology, Kodaikanal, 25-26 January 2010.

**Mr. Rajeev Kumar:** XXVII National Conference of Indian Society for Medical Statistics, BHU, Varanasi, 27-29 November 2009.

**Dr. Harpreet Grewal:** XLIV Indian Orthodontic Conference, November 2009.

XXXI ISPPD Conference, Murad Nagar, 14-16 Nov 2009.

**Dr. Namita Kalra:** ISPPD Conference, Murad Nagar, 31 November 2009.

**Dr. Namita Kalra and Dr. Amit Khatri:** *CDE, Subharti Dental College, Meerut, 6 April 2009.*

**Dr. Amit Khatri:** XXXI ISPPD Conference, Murad Nagar, 14-16 November 2009.

**Dr. Rishi Tyagi:** Continuing Dental Education Programme Update on 'Oral and Maxillofacial Pathology', I.T.S Centre for Dental Studies & Research, Muradnagar, Ghaziabad, 3-4 April 2009.

Dental Symposium-cum-Workshop on 'Medical Emergencies in Dental Practice', ITS-CDSR, Ghaziabad, 11 August 2009.

**Dr. N.K. Aggarwal:** 1st Iranian International Forensic Medicine Congress', Tehran, Iran, 25-27 May 2009.

International Conference on Medical Negligence and Litigation in Medical Practice and National Conference on Recent Advances in Forensic Medicine and Toxicology, Kodaikonal, 25-26 January 2010.

**Dr. A. Kumar and Dr. A.K. Tyagi:** Forensic Medicon 2010, XXXI Annual Conference of Indian Academy of Forensic Medicine, Bhopal, 6-8 February 2010.

**Dr. S.K. Verma:** 1st Iranian International Forensic Medicine Congress at Tehran (Iran), 25-27 May 2009.

**Dr. M.P. Agarwal:** LXV Annual Conference of the Association of Physicians of India, Jaipur, 7-10 January 2010.

**Dr. A. Aggarwal:** XV International Symposium on Atherosclerosis, Boston, USA, 14-18 June 2009.

**Dr. R. Avasthi:** LXV Annual Conference of the Association of Physicians of India, Jaipur, 7-10 January 2010.

**Dr. S. Dwivedi:** International Conference on Diabetes, Yazd, Iran, 7-10 January 2010.  
LXV Annual Conference of the Association of Physicians of India, Jaipur, 7-10 January 2010.  
ISHR-RACS 2010, DIPSAR, Delhi, 2010.  
National Symposium on 'Pre-hypertension', PGI, Chandigarh, 2010.

**Dr. A. Goel:** International Conference on Emerging Infectious Diseases, Singapore, 8-11 December 2009.

International Conference of AMEE, Malaga, Spain, 29 August-2 September 2009.

Indo-French Workshop on 'Information and Communication Technology for Health and Autonomy in Aging Population', DST and IIT, Jodhpur, Rajasthan, 17-19 March 2010.

Annual Conference of the IAG, Calcutta, 14-15 November 2009.

**Dr. O.P. Kalra:** Annual Conference of Indian Society of Nephrology –North Zone Chapter, Dehradun, 10-12 April 2009.

International Symposium on 'Stroke Treatment and Prevention in 2009', Tampa, Florida, USA, 30 May 2009.

Indian Society of Nephrology, North Zone, Conference, Dehradun, July 2009.

American Society of Nephrology-Renal Week Conference, San Diego, California, USA. (Communicated abstract), 27 October-1 November 2009.

Annual Conference of Indian Society of Nephrology, Guwahati, 4-6 December 2009.

Joint Annual Conference of The Association of Physicians of India, Jaipur, 7-10 January 2010.

Annual Conference of Indian Society of Nephrology, North Zone, Manesar, 22-24 January 2010.

**Dr. S.V. Madhu Dr. A. Raizada and Dr. G.S. Ranga:** LXV Annual Conference of the Association of Physicians of India, Jaipur, 7-10 January 2010.

**Dr. A. Raizada:** Workshop on 'Scientific Communication', 6 April 2009.

**Dr. Das Shukla:** Fungal CME on – Invasive Fungal infections at RP Centre, AIIMS, New Delhi, 17 April 2009.

Geneva International Conference, Geneva, Switzerland, 4-6 February 2010.

**Dr. Das Shukla, Dr. Bineeta Kashyam, Dr. I.R. Kaur, Dr. Ashwani Kumar, Dr. Rumpa Saha and Dr. N.P. Singh:** Future of Microbiology– Microcon-D 2010, Annual Meet of Delhi Chapter IAMM, Habitat Centre, New Delhi, 12-13 March 2010.

**Dr. Bineeta Kashyam:** Workshop on 'Medical education technology', 1-6 February 2010.

Workshop on 'Laboratory procedures for diagnosing of STIs', VMCC Safdarjang Hospital – IAMM Delhi Chapter, 12 March 2010.

**Dr. V.G. Ramachandran:** 'Capacity building for rolling out integration of early Infant diagnosis of HIV into National HIV care and treatment', Organized by the Clinton Foundation and NACO, Maulana Azad Medical College, New Delhi, 21 July 2009.

National Workshop on 'HIV/AIDS in Medical Curriculum', Delhi, UCMS (Delhi University), in collaboration with WHO (Country Office for India), 9-11 November 2009.

Workshop on 'External Quality Assessment Scheme for HIV Testing', organized by National Reference Laboratory, National Centre for Disease Control, Delhi, 16-17 March 2010.

XIX National Conference on 'Recent Trends in Viral Disease Problems and Management', Indian Virological Society, organized by Department of Virology, Sri Venkateswara University, Tirupati, 18-20 March 2010.

**Dr. A.N. Aggarwal:** Annual Conference of Indian Orthopaedic Association (IOACON: 2009), Bhubaneswar, 24-29 November 2009.

**Dr. Manish Chadha:** Indian Orthopaedic Association LIV Annual Conference, Bhubaneswar, 24-29 November 2009.

International Conference on the Lumbar Intervertebral Disc, Indian Spinal Injury Centre, New Delhi, 9-11 April 2009.

**Dr. Puneet Mishra:** MIDCON – Annual mid year Conference of the Delhi Orthopaedic Association, VMMC and Safdarjung Hospital, 2 August 2009.

WIROC 2009- Annual National Conference of the Bombay Orthopaedic Society, Mumbai, 18-20 December 2009.

**Dr. Pankaj Amite:** International Conference on the Lumbar Intervertebral Disc, Indian Spinal Injury Centre, New Delhi, 9-11 April 2009.

**Dr. Arun Goyal and Dr. Neelima Gupta:** XXXII Annual Conference of Delhi AOI, Delhi, 1-3 May 2009.

XXXIII Annual Conference of Delhi AOI, Delhi, 6-7 March 2010.

**Dr. Arun Goyal:** 'Middle Ear Mechanics in Research and Otology', V International Symposium, Stanford University, USA, 24-28 June 2009.

**Dr. P.P. Singh and Dr. H.C. Taneja:** XXXII Annual Conference of Delhi AOI, Delhi, 1-3 May 2009.

**Dr. P.P. Singh:** LXII Annual Conference of Association of Otolaryngologists of India, Mumbai, 7-10 January 2010.

XXXIII Annual Conference of Delhi AOI, Delhi, 6-7 March 2010.

'Middle Ear Mechanics in Research and Otology', V International Symposium, Stanford University, USA, 24-28 June 2009.

**Dr. Lakshmi Vaid:** XXXII Annual Conference of Delhi AOI, Delhi, 1-3 May 2009.

LXII Annual Conference of Association of Otolaryngologists of India, Mumbai, 7-10 January 2010.

Workshop on 'Rhinoplasty and Facial Rejuvenation Surgery', Delhi, 13-14 February 2010.

XXXIII Annual Conference of Delhi AOI, Delhi, 6-7 March 2010.

**Dr. Anju Aggarwal:** IV International Conference of Birth Defects and Disabilities in the Developing World, Delhi, 5-7 October 2009.

International Conference of Pediatric Neurology and Epilepsy and Second National Conference of Association of Child Neurology, PGIMER, Chandigarh, 29 October-1 November 2009.

XLVII National Conference of Indian Academy of Pediatrics, Hyderabad, 7-10 January 2010.

CME of Pediatric Infectious Diseases- Celebration Hat-trick, Kolkata, 29 April 2009.

Chaired a session on 'Pyrexia of Unknown Origin-What is New?', Pediatric Conference of North India, Delhi, 25-27 September 2009.

**Dr. Prerna Batra:** INDUS EM 2009, PSG Institute of Medical Sciences & Research, Coimbatore, 28 October-1 November 2009.

Workshop on 'Homeopathy For Healthy Mother and Child', New Delhi, 24-25 September 2009.

**Dr. Pooja Dewan:** Symposium on 'Nutrition Security', New Delhi, 3-4 August 2009.

**Dr. M.M.A. Faridi:** Global Conference on 'Meeting Nutritional Challenges with Sustainability and Equity', New Delhi, 2-3 August 2009.

Workshop on 'The Science and Art of Newborn Screening', Delhi, 4 October 2009.

Annual Conference of National Neonatology Forum of India-XXIX Neocon-2009, Ahmedabad, 10-13 December 2009.

**Dr. Hema Mittal:** International Conference of Birth Defect and Disabilities 2009, New Delhi, October 2009.

**Dr. Manish Narang and Dr. M.M.A. Faridi:** Workshop on 'Thesis Writing' at PGIMER, Chandigarh, 10-11 April 2009.

**Dr. Dheeraj Shah:** Zonal Workshop on 'Current Evidence Based Management of Acute Diarrhea', Chennai, 18 December 2009.

International Workshop on 'Micronutrients and Child Health' at AIIMS, New Delhi, 20-23 October 2009.

IV International Conference on Birth Defects and Disabilities in the Developing World, New Delhi, October 2009.

Indian Pediatric Workshop on 'Art and Science of Writing a Paper', Delhi, 26-27 September 2009.

**Dr. Abhinav Dixit, Dr. Manish Gupta, Dr. Farah Khaliq, Dr. Shankar Nilima, Dr. Satender Singh, Dr. Savita Singh, Dr. Neelam Vaney and Dr. Asha Yadav:** National Symposium 'EPLI-2-Nutrition', UCMS, Delhi, 18 September 2009.

**Dr. Neelam Vaney:** CME on 'Depression: An update', Ludhiana, 23 September 2009.

**Dr. M.S. Bhatia:** CME on 'Challenges & Opportunities in the Long Term Management of Major Depressive Disorder', New Delhi, 17 May 2009.

The First International Conference of Forensic Medicine, Iran, 25-27 May 2009.

CME, Delhi Psychiatric Society, Delhi, 7 June 2009.

CME on 'Well-being in Bipolar Disorder', Indian Association of Private Psychiatry (Delhi Chapter), Delhi, 13 June 2009.

CME on 'A new Approach in the Management of MDD', Delhi, 5 September 2009.

Silver Jubilee National Conference of Indian Association for Social Psychiatry, CSSMMU, Lucknow, 15-17 November 2009.

X Biennial Conference of Indian Association for Child & Adolescent Mental Health, AIIMS, New Delhi (Chaired the session on free paper), 23-25 November 2009.

**Dr. R. Gaurav:** Annual Conference of Indian Psychiatric Society, Jaipur, 17-20 January 2010.

CME on 'Headache', Delhi Psychiatric Society, Delhi, March 2010.

**Dr. S. Srivastav:** CME, Delhi Psychiatric Society, Delhi, 7 June 2009.

Annual Conference of Indian Psychiatric Society, Jaipur, 17-20 January 2010.

Annual National Conference of IAPP, Goa, 23 October 2009.

X World Congress of World Association for Psychosocial Rehabilitation, NIMHANS, Bengaluru, 12-15 November 2009.

**Dr. S.K. Bhargava:** Indian Radiological & Imaging Association, National Conference, Ahmedabad, January 2010.

**Dr. P.K. Garg:** 1st International Conference on Recent Advances in Surgery-2009, Kottayam, 4-6 September 2009.

**Dr. Amit Gupta:** Trauma 2009, JPN Apex Trauma Centre, AIIMS, 12-15 November 2009.

Delhi State Chapter Annual Conference SURGICON 2009, Delhi, 20-22 November 2009.

LXVIII Annual Conference of Association of Surgeons of India-ASICON 2009, Coimbatore, 25-30 December 2009.

IAGES 2010, New Delhi, 18-21 February 2010.

**Dr. B.K. Jain:** Workshop on 'Violence Injury Prevention and Injury Surveillance', Chandigarh, 6-8 September 2009.

National Workshop on 'HIV/AIDS in Medical Education' in collaboration with World Health Organization Country Office for India, Delhi, 9-11 November 2009.

Inaugural Diabetic Foot Conference of Indian Pediatric Association, New Delhi, 22 November 2009.

**Dr. M.K. Joshi:** Natsurg 2009 - National Surgical Update ICS (Indian section), Jhansi, 10-12 September 2009.

**Dr. N. Kaur:** National Workshop on 'HIV/ AIDS in Medical Education' in collaboration with World Health Organisation Country Office for India, Delhi, 9-11 November 2009.

XVIII Annual Conference of Association of Gynaecologic Oncologists of India, Ludhiana, 6 November 2009.

National Conference on Health Professionals' Education, Pune, 12-13 November 2009.

**Dr. A.L. Noba and Dr. S. Saha:** Fourth AIIMS Surgical Week–CME-cum-Live Conference, Delhi, 26-28 March 2010.

**Dr. N. Sharma:** Indian Association of Surgical Gastroenterologist 2009, Mumbai, 2-4 October 2009.

**Dr. A. Indrayan:** Delivered Guest Lecture at 27th National Conference of Indian Society for Medical Statistics, BHU, Varanasi, 28 November 2009.

### **Publications**

**Ahmed, T., Tripathi, A.K., Suke, S.G., et. al. 2009.** 'Role of HSP-27 and reduced glutathione in modulating malathion-induced apoptosis of human peripheral blood mononuclear cells: ameliorating effect of *N*-acetylcysteine and curcumin'. *Toxicol in Vitro*, 23: 1319-25.

**Behl, A., Swami, G., Sircar, S.S., Bhatia, M.S. and Banerjee, B.D. 2010.** 'Relationship of possible stress-related biochemical markers to oxidative/antioxidative status in obsessive-compulsive disorder'. *Neuropsychobiology*, 61: 210-14.

**Datta, S.K., Kumar, V., Ahmed, R.S., Tripathi, A.K., Kalra, O.P. and Banerjee, B.D. 2010.** 'Role of *GSTM1* and *GSTT1* double deletion in the development of diabetic nephropathy'. *Indian J. Biochem Biophysics*, 47: 100-3.

**Gambhir, J.K., Kaur, H., Pati, U., Gambhir, D.S. 2009.** 'Association between apolipoprotein (a) phenotypes, pentanucleotide repeats polymorphism and lipoprotein (a) levels in young CAD patients and their children'. *Clin Chem*, 55: A83.

**Gupta, R., Ahmed, T., Banerjee, B.D., Bhatia, M.S. 2009.** 'Plasma Calcitonin gene related peptide concentration is comparable to control group among migraineurs and tension type headache subjects during inter-ictal period'. *J. Headache Pain*, 10: 161-66.

**Gupta, R., Kumar, V., Luthra, K., Banerjee, B.D. and Bhatia, M. 2009.** 'Polymorphism in ApolipoproteinE among migraineurs and tension type headache subjects'. *J. Headache Pain*, 10: 115-20.

- Gupta, R., Pathak, R., Bhatia, M.S. and Banerjee, B.D. 2009.** 'Comparison of oxidative stress among migraineurs, tension type headache and control group'. *Ann Indian Acad Neurol*, 12: 167-72.
- Gupta, S., Garg, G.R., Bharal, N., Mediratta, P.K., Banerjee, B.D. and Sharma, K.K. 2009.** 'Reversal of propoxur-induced impairment of step-down passive avoidance, transfer latency and oxidative stress by piracetam and ascorbic acid in rats'. *Environmental Toxicol Pharmacol*, 28: 403-8.
- Gupta, S., Sharma, S.B., Bansal, S.K. and Prabhu, K.M. 2009.** 'Ameliorative effect of *Cassia auriculata* leaf extract on blood glucose and atherogenic lipid profile in alloxan-induced diabetic rabbits'. *Indian J. Exper Biol*, 47: 974-80.
2009. 'Antihyperglycemic and hypolipidemic activity of aqueous extract of *Cassia auriculata* L. leaves in experimental diabetes'. *J. Ethnopharmacol*, 123: 477-503.
2009. 'Protective role of *Cassia auriculata* leaf extract against hyperglycemia-induced oxidative stress and its safety evaluation'. *Indian J. Biochem Biophys*, 46: 371-77.
- Kumar, V., Singh, S., Ahmed, R.S., Banerjee, B.D., Ahmed, T. and Pasha, S.T. 2009.** 'Frequency of *CYP1B1* polymorphic variation in North Indian population'. *Environmental Toxicol Pharmacol*, 28: 392-96.
- Kumar, V., Singh, S., Yadav, C.S., Ahmed, R.S., Gupta, S., Pasha, S.T., Tripathi, A.K. and Banerjee, B.D. 2010.** 'CYP1A1 and CYP3A4 polymorphic variations in Delhi population of Northern India'. *Environmental Toxicol Pharmacol*, 29: 126-30.
- Love, A., Tandon, R., Banerjee, B.D. and Babu, C.R. 2009.** 'Comparative study on elemental composition and DNA damage in leaves of a weedy plant species, *Cassia occidentalis*, growing wild on weathered fly ash and soil'. *Ecotoxicol*, 18: 791-801.
- Pal, R., Ahmed, T., Kumar, T., Suke, S.G., Ray, A. and Banerjee, B.D. 2009.** 'Protective effects of different antioxidants against endosulfan-induced oxidative stress and immunotoxicity in albino rats'. *Indian J Exp Biol*, 47: 723-29.
- Pathak, R., Mustafa, M.D., Ahmed, R.S., Tripathi, A.K., Guleria, K., Banerjee, B.D. 2010.** 'Association between recurrent miscarriages and organochlorine pesticide levels'. *Clin Biochem*, 43: 131-35.
- Pathak, R., Suke, S.G., Ahmed, T., et. al. 2010.** 'Organochlorine pesticide residue levels and oxidative stress in preterm delivery cases'. *Human Experimental Toxicol*, 29: 351-58.
- Sharma, S.B., Rajpoot, R., Nasir, A., Prabhu, K.M. and Murthy, P.S. 2009.** 'Ameliorative effect of active principle isolated from seeds of *Eugenia jambolana* on carbohydrate metabolism in experimental diabetes'. *Evidence Based Complementary and Alternative Medicine*, DOI:10.1093/ecam/nep233.



- Sharma, S.B., Tanwar, R.S., Rini, A.C., Singh, U.R., Gupta, S., Shukla, S.K. 2010.** 'Protective effect of *Morus rubra* L. leaf extract on diet induced atherosclerosis in diabetic rats'. *Indian J. Biochem Biophys*, 47: 26-31.
- Shukla, J., Sharma, U., Kar, R., et. al. 2009.** 'Tamoxifen: 2-hydroxypropyl- $\alpha$ -dextrin aggregated nanoassembly for nonbreast estrogen-receptor-positive cancer therapy'. *Nanomedicine*, 4: 895-902.
- Shukla, K., Gambhir, J.K. and Shukla, R. 2009.** 'Antidiabetic effects of the aqueous extract of fruit of *Withania coagulans* in diabetic albino rats'. *Indian J. Clin Biochem*, 24: 324.
- Singh, A., Sharma, D., Raghunandan, C. and Bhattacharjee, J. 2010.** 'Role of inflammatory cytokines and eNOS gene polymorphism in pathophysiology of pre-eclampsia'. *Am J. Report Immunol*, 63: 244-51.
- Singh, P., Ponnamp, P., Krishna, S., et. al. 2010.** 'Protein acyltransferase function of purified calreticulin. Part 1: Characterization of propionylation of protein utilizing propoxycoumarin as the propionyl group donor'. *J. Biochem*, 147: 625-32.
- Singh, S., Kumar, V. and Thakur, S., et. al.** 'Genetic polymorphism of Glutathione S-Transferase M1 and T1 in Delhi population of North India'. *Environmental Toxicol Pharmacol*, 28: 25-29.
- Tabassum, H., Parvez, S., Pasha, S.T., Banerjee, B.D. and Raisuddin, S. 2010.** 'Protective effect of lipoic acid against methotrexate-induced oxidative stress in liver mitochondria, *Food and Chemical Toxicology*, DOI: 10.1016/j.fct.2010.04.047
- Tanwar, R.S., Sharma, S.B., Singh, U.R. and Prabhu, K.M. 2010. 'Attenuation of renal dysfunction by herbal compound isolated from *Eugenia jambolana* in streptozotocin induced diabetic rats'. *Indian J. Biochem Biophys*, 47: 83-89.
- Yadav, C.S., Kumar, V., Suke, S.G., Ahmed, R.S., Mediratta, P.K. and Banerjee, B.D. 2010.** 'Propoxur induced acetylcholine esterase inhibition and impairment of cognitive function: attenuation by *Withania somnifera*'. *Indian J. Biochemistry Biophys*, 47: 117-20.
- Bansal, A.K. 2009.** 'Reliability of the model for clustering of longitudinal datasets of infant mortality rate in India', COBRA preprint series, Article 57: Aug 2009. (<http://biostats.bepress.com/cobra/ps/art57>)
- Indrayan, A. and Satyanarayana, L. 2009.** *Simple Biostatistics for MBBS, PG Entrance and USMLE*, Third Edition. Delhi: Academia Publishers.
- Kumar, S., Indrayan, A., Tyagi, V.K. 2009.** 'Reporting quality of multivariable logistic regression in selected Indian medical journals'. 27th Annual National Conference of Indian Society for Medical Statistics, Varanasi, *Souvenir and Abstract*, 2009: 96-97.
- Grewal, H., Verma, M. and Kumar, A. 2009.** 'Prevalence of dental caries and treatment needs in the rural child population of Nainital District, Uttaranchal'. *J. Indian Soc Pedo Prev Dent*, 27: 224-26.

- Tyagi, R. 2009.** 'Anterior maxillary dentigerous cyst: A case report'. *Int. J. Clin Pediatric Dentistry*, 2: 42-45.
- Juthika, D., Gupta, N. and Aggarwal, N.K. 2009.** 'Consumer Protection Act: Blessing or curse to medical profession', *Delhi Psychiatry Journal*, 12: 302-5.
- Kohli, A. and Kumar, A. 2009.** 'Homicide trends in Delhi, India'. In: **Randal, B.T. and Ulrich, R.C.** (eds), *Homicide: Trends, Causes and Preventions*. New York: Nova Publishers, pp. 129-42.
- Kohli, A. 2010.** 'Medical consent in India – Ethical and legal issues'. In: Nafisa Begum (ed.), *Medical Treatment and Law*. Hyderabad: The ICFAI University Press, pp. 165-76.
- Tyagi, Y., Kumar, A., Kohli, A. and Banerjee, K.K. 2009.** 'Estimation of age by morphological study of sternal end of fourth ribs in males'. *J. Indian Acad Forensic Medicine*, 31: 87-94.
- Verma, S.K. 2009.** Contributed chapter on, 'Medico-legal aspects of sexually transmitted diseases and HIV/AIDS'. In: Bhatia, M.S., Grover, V. and Gupta, R. (eds), *A Textbook on HIV Infection and AIDS in Adolescents*. New Delhi: New Age International Publishers.
2009. 'Oxygen cylinder blast fatality: A case report and review of literature'. *Indian Internet J. Forensic Med Toxicol*, 7: 64-70.
- Aggarwal, A. and Schroff, P. 2009.** 'Comparative study of risk factors profile in young and older patients of coronary artery disease in an east Delhi tertiary care hospital'. *Journal of Young Investigators*, 19: 282.
- Aggarwal, A. and Sharma, V. 2009.** 'Primary splenic hydatidosis in a 25-year-old man: A case report'. *Cases Journal*, 2: 8017-18.
- Aggarwal, A., Sinha, B., Rajpal, S., Dwivedi, S. and Sharma, V. 2009.** 'Right ventricular endomyocardial fibrosis presenting with Apical Thrombus % An interesting presentation'. *Indian Pacing Electrophysiol J.*, 9: 360-63.
- Agarwal, A., Soneja, M., Goel, A., Pati, H. and Dey, A.B.** 'Cryptogenic hepatic insult, failing heart and advancing age'. *Cases J.*, 1: 408.
- Agarwal, M.P., Giri, S., Sharma, V. and Bhardwaj, G. 2009.** 'Concurrent reactive arthritis and myelitis - a case report'. *Int Arch Med*, 2: 17.
- Agarwal, M.P. and Sharma, V. 2010.** 'Clinical images: Purpura fulminans caused by meningococemia'. *Can Med Assoc J.*, 182: E18.
- Agrawal, M.P., Dwivedi, S., Choudhary, S.C., Khanna, S. and Agarwal, S. 2010.** 'Small vessel vasculitis associated with myocardial infarction'. *J. Indian Acad Clinical Medicine*, 11: 54-58.

- Avasthi, R., Singh, S. and Agarwal, S. 2009.** 'Metabolic syndrome of continuum rather than an entity: Assessment of endothelial function'. *J. Assoc Phy India*, 57: 817-18.
- Agarwal, S., Sharma, A. and Kalra, O.P. 2009.** 'Factors determining referral pattern of patients with chronic kidney disease to a nephrologist'. *Indian J. Nephrol (Suppl.)*, 19: S7.
- Aggarwal, A. and Kumar, P. 2009.** 'Urban environment and health: Chronic cardiovascular diseases'. In: Dubey, R.N. (ed.) *Urbanisation and urban planning in India*. Delhi: Shree Natraj Prakashan, pp. 290-95.
- Avasthi, R., Singh, S. and Sharma, R. 2009.** 'Acute hepatitis E with Guillain-Barre syndrome'. *J. Assoc Phy India*, 57: 951.
- Avasthi, R.** 'Is T2DM an operable intestinal disease: a provocative yet reasonable hypothesis?'. In *Controversies in T2DM*, (ed.) Jayaram, B.M. pp. 201-7.
- Bansal, D., Kalra, O.P., Agarwal, S. and Sethi, A.K. 2009.** 'Comparison of continuous renal replacement therapy with sustained low efficiency daily dialysis'. *Indian J. Nephrol 2009 (Suppl)*, 19: S27.
- Chaudhary, S.C., Avasthi, R., Mohanty, D., Singh, K.P. and Sharma, A. 2010.** 'Dexamethasone abuse with fatal CNS complication'. *J. Assoc Phy India*, 58: 42.
- Dwivedi, S., Aggarwal, A., Sharma, V. and Dwivedi, G. 2010.** 'Giant gluteal xanthomas'. *Circulation*, 121: 1866-67.
- Dwivedi, S., Aggarwal, A. and Sharma, V. 2010.** 'Coronary artery disease in the medical faculty: a wakeup call'. *Indian J. Medical Specialities*, 1: 30-32.
- Dwivedi, S. and Aggarwal, A. 2010.** 'Classification of hypertension: How does inclusion of prehypertension affects health care in Indian scenario?' *Annals of NAMS*, 46: 24-32.
- 2009.** 'Indigenous drugs in ischemic heart disease in diabetics'. *The Journal of Alternative and Complementary Medicine*, 15: 1215-21.
- 2009.** 'Risk factors and cutaneous markers of coronary artery disease in young in north Indian population'. *Atherosclerosis Supplement 2009*, 10: e1406.
- 2010.** 'The skin in general medicine'. *Clin Med*, 10: 96-7.
- Dwivedi, S., Aggarwal, R. and Aggarwal, A. 2009.** 'Tobacco continues despite manifest cardiovascular disorders: Tobacco cessation clinics crying need of the hour'. *Atherosclerosis Supplement*, 10: e1060-e1.
- Dwivedi, S. and Aggarwal, R. 2009.** 'Economical implications of preventive cardiology: Indian perspective'. *Annals of National Academy of Medical Sciences*, 45: 97-116.
- Dwivedi, S. and Dwivedi, G. 2010.** 'Betel quid seller syndrome'. *Occupational and Environmental Medicine*, 67: 44.

- Dwivedi, S. and Nagar, R.K. 2009.** Tapedik/Tuberculosis, Hindi Booklet. Public Health Lecture Series: UCMS–GTB Hospital.
- Dwivedi, S., Ramachandran, V.G.R, Ranga, G.S. and Shah, G. 2009.** *Swine Flu*, Hindi Booklet. Public Health Lecture Series: UCMS –GTB Hospital.
- Dwivedi, S. 2009.** *Dhoomrapan se uttpann hridya ki bimmaria/Tobacco Related Ailments, Prevention and Treatment*, Hindi Booklet. Public Health Lecture Series: UCMS–GTB Hospital.
- 2010.** *Khan pan me milawat/ Food adulteration*. Hindi Booklet. Public Health Lecture Series: UCMS –GTB Hospital.
- Goel, A., Bhatla, N., Bhatnagar, S., Lodha, R. and Sreenivas, V. 2009.** ‘Assisted reproduction’. *Fertility and Sterility*, 92: e7.
- Goel, A. and Dwivedi, S. 2009.** *Badhirta/Deafness*, Hindi Booklet. Public Health Lecture Series: UCMS –GTB Hospital.
- Goel, A.** *Clinical Examination in Medicine* (1st edn). Hyderabad: Paras Publications.
- 2009.** ‘Disclosure of medical errors’. *Indian Journal of Medical Ethics*, 6(2).
- Doctors do cry!* Hyderabad: Paras Publications.
- Principles of Emergency Medicine*. Hyderabad: Paras Publications.
- The ICU Manual* (3rd edn). Hyderabad: Paras Medical Publications.
- Hadda, V., Khilnani, G.C., Bhalla, A.S., Gupta, R., Gupta, S.D. and Goel, A. 2009.** ‘Pulmonary Lymphoma mimicking metastases: a case report’. *Cases J.*, 2: 7081.
- Hadda, V., Pandey, B.D., Gupta, R., Goel, A. 2009.** ‘Azathiaprine induced pancytopenia: a serious complication’. *J. Postgrad Med*, 55: 139-40.
- Jain, P., Avasthi, R., Parwal, V., Narang, S. and Chaudhary, S.C. 2009.** ‘Visceral leishmaniasis – Unusual presentations: A case series from tertiary care hospital in Delhi’. *J. Assoc Phys India*, 57: 950.
- Kalra, O.P., Bansal, D., Agarwal, S., Sethi, A.K. and Tiwari, S.C. 2009.** ‘Comparison of continuous renal replacement therapy with sustained low efficiency daily dialysis’. *J. Am Soc Nephrol*, 20: 602-A.
- Kalra, O.P. and Bansal, D. 2009.** ‘Medical management of urolithiasis – A simplified approach’. *J. Intern Med Sci Acad*, 22: 155-59.
- Kalra, O.P., Kalra, S. and Ruchi, R. 2009.** ‘Profile of medical and psychological disorders in the elderly attending tertiary care hospital’. *J. Assoc Physicians India* (Abstract Issue–APICON).
- Kalra, O.P., Raizada, A., Agarwal, S., Choudhary, M. and Yadav, A. 2009.** ‘Pyogenic meningitis due to gram-negative bacilli’. *J. Indian Acad Clin Med*, 10: 116-18.

- Kalra, O.P. and Raizada, A. 2009.** 'Approach to a patient with urosepsis'. *J. Global Infect Dis*, 1: 57-63.
2009. 'Chronic renal failure and anemia in Indian perspective'. In: *Anemia in the Tropics*, edited by Mukherjee, N. Indian College of Physicians, Association of Physicians of India, pp. 161-76.
- Khaira, A., Kalra, O.P., Gupta, A., Khaira, D.D. 2009.** 'Dual genetic abnormality in the coagulation pathway as a cause of familial thrombophilia'. *J. Assoc Physicians India*, 57: 529-30.
- Mohanty, D., Dhar, M., Agarwal, M.P. and Dwivedi, S. 2010.** 'Mucormycosis'. *Tropical Medicine*, 40: 127-28.
- Pati, S., Gurudutta, G.U., Kalra, O.P. and Mukhopadhyay, A. 2010.** 'The structural insights of stem cell factor receptor (c-Kit) interaction with tyrosine phosphatase-2 (Shp-2): An *in silico* analysis'. *BMC Research Notes*, 3: 1-10.
- Raizada, A., Dwivedi, S. and Bhattacharya, S.N. 2009.** 'Hepatitis B, Hepatitis C and HIV confection at an ART centre of Delhi'. *J. Assoc Phys India*, 57: 835.
- Rajpal, S., Dwivedi, S. and Chaudhary, S. 2009.** 'Disseminated cryptococcosis in an HIV-negative patient'. *Tropical Doctor*, 39: 114-15.
- Ranga, G.S., Jain, P., Gambhir, J.K., Giri, S., Kaur, I.Q. and Verma, P. 2010.** 'A study of lipoprotein (a) and lipid profile in patients with coronary artery disease'. *J. Assoc Phys India*, 57: 849.
- Rath, D., Ramavat, A.S., Agarwal, G. and Goel, A. 2010.** 'Issues in medical education and research on ageing. *Helpage India – Research and Development Journal*, 16: 9-13.
- Singh, S., Avasthi, R. and Narang, S. 2009.** Guillain Barré Syndrome – Uncommon etiologies and an uncommon variant: a case series'. *J. Assoc Phys India*, 57: 951.
- Sharma, V. and Agarwal, M.P. 2010.** 'A woman with fatigue, dyspnoea, and orthopnoea'. *BMJ*, 340: c1277.
- Singh, A., Madhu, S.V., Sharma, A.K., Kalra, O.P. 2009.** 'Prevalence of various risk factors for chronic kidney disease in an urban population in east Delhi'. *Indian J. Nephrol*, (Suppl.), 19: S10.
- Singh, J., Bhoi, S., Gupta, V. and Goel, A. 2009.** 'Clinical profile of venomous snake bites in a North Indian Military Hospital'. *J. Emerg Trauma Shock*, 1: 78-80.
- Thakur, L.C. and Dwivedi, S. 2009.** *Pakshaghat/Stroke*, Hindi Booklet. Public Health Lecture Series: UCMS–GTB Hospital.

- Verma, P.K., Ranga, G.S., Rathi, N., Raizada, A. and Dwivedi, S. 2010.** 'A study of the clinical profile patients attending anti retroviral treatment clinic in tertiary teaching hospital'. *J. Assoc Phys India*, 57: 853.
- Vijay, H., Naval, K.V., Vaibhav, J., Chopra, A., Goel, A. and Sood, R. 2009.** 'Body aches, tender bones and rapid loss of weight'. *Cases J.*, 2: 37.
- Arora, S., Thukral, T., Choudhry, S., Kumar, A. and Kaur, I.R. 2009.** 'Fatal Salmonella Typhimurium Septicemia in severely malnourished child'. *Ann Topical Med Parasitol*, 103: 183-85.
- Chakravarti, A., Kashyap, B. and Matlani, M. 2009.** 'Cytomegalovirus infection: an Indian prospective'. *Indian J. Med Microbiol*, 27: 3-11.
- Choudhry, S., Ramachandran, V.G., Das, S., Bhattacharya, S.N. and Mogha, N.S.** 'Serological profile of HSV- 2 in patients attending STI clinic: Evaluation of diagnostic utility of HSV - 2 IgM detection'. *Indian J. Pathol Microbiol*: 52: 353-6.
- Gupta, M., Singh, N.P., Kumar, A. and Kaur, I.R. 2009.** 'Cefoxitin disk diffusion test – Better predictor of methicillin resistance in Staphylococcus aureus'. *Indian J. Med Microbiol*, 27: 379-80.
- Kashyap, B., Bhalla, P., Sharma, A. and Saini, S. 2009.** 'Profile of direct walk in and referred clients attending Integrated Counselling and Testing Centre'. *Int J. STD & AIDS*, 20: 708-11.
- Kashyap, B., Gautam, H., Chadha, S. and Bhalla, P. 2010.** 'Delayed progression and inefficient transmission of HIV-2'. *South East Asian J. Trop Med Pub Health*, 41: 1-4.
- Matlani, M., Chakravarti, A., Rawal, A., Kashyap, B. and Gurtoo, A. 2009.** 'Dengue encephalitis: An entity now common in dengue prone regions'. *Tropical Doctors*, 39: 115-16.
- Neogi, U., Sood, V., Banerjee, S., et. al. 2009.** 'Global HIV-1 molecular epidemiology with special reference to genetic analysis of HIV-1 subtypes circulating in N. India'. *Indian J. Exp Biology*, 47: 1-24.
- Neogi, U., Sood, V., Choudhury, A., et. al. 2010.** 'First report of human immunodeficiency virus type-1 circulating recombinant form 02-AG recombinant strain of African origin from North India'. *Am Medical J.*, 1: 94-99.
- Uppal, B., Kashyap, B. and Bhalla, P. 2009.** 'Enteric pathogens in HIV/AIDS from a tertiary care hospital'. *Indian J. Community Med*, 34: 237-42.
- Agarwal, A., Arora, A., Kumar, S. 2009.** 'A survey of prescribing pattern for Osteoarticular tuberculosis: Orthopaedic surgeons' and infectious disease experts' perspective'. *Indian J. Tuberculosis*, 56: 201-5.

- Agarwal, A.N., Dhammi, I.K., Singh, A.P., Kumar, S. and Goyal, M.K. 2009.** 'Tubercular osteomyelitis of the clavicle: A report of four cases'. *J. Orthop Surg*, 17: 123-26.
- Aggarwal, A.N. and Aggarwal, A. 2010.** 'Valgus osteotomy in recent intracapsular femoral neck fractures'. *Int Orthop*, 34: 605.
- Aggarwal, A.N., Goyal, M.K. and Rishi, N. 2009.** 'Postaxial polydactyly'. *J. Nepal Med Assoc*, 48: 153-54.
- Bajaj, G., Karn, N.K., Sherestha, B.P., Kumar, P. and Singh, M.P. 2009.** 'A randomized controlled trial comparing eusol and sugar as dressing agent in the treatment of traumatic wound'. *Tropical Doctor*, 39: 1-3.
- Bhandari, M., Sprague, S., Schemitsch, E.H. and Pankaj, A. 2009.** '(International Hip Fracture Research Collaborative). Resolving controversies in hip fracture care: The need for large collaborative trials in hip fractures'. *J. Orthop Trauma*, 23: 479-84.
- Chadha, M., Singh, A.P. and Singh, A.P. 2009.** 'Hypophosphataemic osteomalacia in neurofibromatosis'. *Acta Orthop Belg*, 75: 847-50.
- Jain, A.K., Dhammi, I.K., Singh, A.P. and Mishra, P. 2010.** 'Neglected traumatic dislocation of the subaxial cervical spine'. *J. Bone Joint Surg Br*, 92: 246-49.
- Karn, N.K., Singh, G.K., Kumar, P., Singh, M.P., Shrestha, B.P. and Chaudhary, P. 2009.** 'Management of trochanteric fractures of the femur with external fixation in high risk patients'. *Int Orthop*, 33: 785-88.
- Karn, N.K., Khanal, G.P., Singh, M.P. 2010.** 'Long standing unreduced anterior dislocation of Knee: A case report'. *Internet Journal of Medical Update*, 5(1).
- Kumar, P., Singh, M.P. 2009.** 'Fixation of two part fracture of radial head by pre-bent K-wire: An alternative means of fixation'. *Internet Journal of Medical Update*, 4(1).
- Pankaj, A. and Jain, A. 2009.** 'Science of double bundle ACL reconstruction and current controversies'. *Orthopedics Today*, 11: 56-60.
- Pankaj, A. 2009.** 'High tibial osteotomy: Current status in management of osteoarthritis of knee'. *Orthopedics Today*, 11: 178-83.
- Rijal, R., Sherestha, B.P., Singh, G.K. and Singh, M.P., et. al. 2009.** 'Comparison of Ponseti and Kite's method of treatment for idiopathic club foot'. *Indian J. Orthop*, 44: 202-7.
- Sardana, K., Gupta, R., Garg, V.K., Mishra, D., Mishra, P., Grover, C. and Mendiratta, V. 2009.** 'A prospective study of cutaneous manifestations of spinal dysraphism from India'. *Pediatr Dermatol*, 26: 688-95.
- Singh, A.P., Chadha, M., Singh, A.P. and Mahajan, S. 2009.** 'Isolated tuberculous biceps tenosynovitis with bicipitoradial bursitis: A case report'. *J. Shoulder Elbow Surg*, 18: e30-33.

- Goyal, A. 2009.** 'Response to: Chorda tympani in chronic inflammatory middle ear disease, from Dong-Hee Lee'. *Otolaryngol Head Neck Surgery*, 141: 432-33.
- Singh, P.P., Goyal, A., Sethi, S. and Sharma, M. 2009.** 'Comparison of tympanomeatal degloving technique with conventional underlay technique in myringoplasty for subtotal perforation'. *Indian J. Otol*, 15: 12-17.
- Vaid, L., Gupta, M., Gupta, N. and Singh, P.P. 2010.** 'Bleomyucin therapy in a rare case of adult onset cervical lymphangioma'. *Ear. Nose Throat J.*, 89: E23.
- Agarwal, N., Dewan, P., Kumar, S. and Gupta, P. 2009.** 'Medical students' awareness and motivation for research'. *Natl. Med J. India*, 22: 101-2.
- Aggarwal, A., Kumar, D. and Kumar, R. 2009.** 'Acute glomerulonephritis in hepatitis A virus infection: A rare presentation'. *Trop Doct*, 39: 186-87.
- Dewan, P., Kaur, I.R., Faridi, M.M.A. and Agarwal, K.N. 2009.** 'Cytokine response to dietary rehabilitation with curd (Indian dahi) & leaf protein concentrate in malnourished children'. *Indian J. Med Res*, 130: 31-36.
- Dewan, P., Pooniya, V., Kaushik, J.S., Gomber, S. and Singhal, S. 2009.** 'Isolated cerebellar ataxia: an early neurological complication of enteric fever'. *Ann Trop Paediatr*, 29: 217-19.
- Dewan, P., Singhal, S. and Harit, D. 2010.** 'Management of cancer chemotherapy-induced nausea and vomiting'. *Indian Pediatr*, 47.
- Drolia, A., Dewan, P. and Gupta, P. 2009.** 'Predicting the severity of bronchiolitis in a resource-poor setting'. *The Internet J. of Pediatr Neonatol*, 11(1).
- Faridi, M.M.A., Kaur, S., Krishnamurthy, S. and Kumari, P. 2009.** 'Tuberculin conversion and leukocyte migration inhibition test after BCG vaccination in newborn infants'. *Hum Vaccin*, 22: 5.
- Gomber, S, Kaushik, J.S. and Dewan, P. 2009.** 'Intradural dermoid masquerading as pyogenic meningitis: Case report'. *Ann Trop Paediatr*, 29: 305-8.
- Gupta, P. and Gomber, S. 2009.** 'Paraplegia: A rare manifestation of vitamin K deficiency'. *Indian Pediatr*, 46: 186.
- Kaushik, J.S., Gupta, P., Faridi, M.M.A. and Das, S. 2010.** 'Single dose azithromycin versus ciprofloxacin for cholera in children: a randomized controlled trial'. *Indian Pediatr*, 47: 309-15.
- Kumar, R., Aggarwal, A. and Faridi, M.M.A. 2009.** 'Complex regional pain syndrome type 1 and scurvy'. *Indian Pediatr*, 46: 529-31.
- Narang, M., Gomber, S. and Salota, V. 2010.** 'Cystic hygroma'. *Indian J. Med Specialities*, 1: 35-36.



**Narang, M. 2010.** *Approach to Practical Pediatrics* (2nd edn). New Delhi: Jaypee Brothers.

**Parakh, A., Agarwal, N., Aggarwal, A. and Aneja, A. 2009.** 'Plasmodium vivax malaria in children: Uncommon manifestations'. *Ann Tropical Paediatr*, 29: 253-56.

**Saha, A., Batra, P., Mehara, B. and Chaturvedi, P. 2009.** 'Antenatally detected renal malformations in rural Maharashtra'. *Indian Pediatrics*, 46: 346-48.

**Shah, D. and Gupta, P. 2010.** 'India Clinical Epidemiology Network (India CLEN) Task Force on Pneumonia. Rational use of antibiotics for pneumonia'. *Indian Pediatr*, 47: 11-18.

**2010.** 'Pertinent issues in diagnosis and management of wheezing in under-five children at community level'. *Indian Pediatr*, 47: 56-60.

**Shah, D. 2009.** 'Does vitamin A supplementation help in preventing pneumonia?' *Indian Pediatrics*, 46: 403-4.

**2009.** 'Is there any benefit of supplementing infant milk formulae with long chain polyunsaturated fatty acids?' *Indian Pediatr*, 46: 783-84.

**2009.** 'Role of salicylates in Kawasaki disease'. *Indian Pediatrics*, 46: 601-2.

**Beena, Singh, S., Sood, S., Yadav, M. and Kumar, N. 2009.** 'Cardiopulmonary efficiency: Vital capacity as predictive indicator for maximal oxygen uptake'. *J. Advance Researchers Biological Sci*, 1: 52-56.

**Dixit, A., Lakshmi, V., Chauhan, S. and Vaney, N. 2010.** 'Alterations in oxidative stress markers in blood of patients with dementia'. *Indian J. Med Special*, 1: 26-29.

**Dixit, A. and Vaney, N. 2009.** 'Otocoustic emissions and their application: A simplistic view'. *J. Adv Res Biol Sc*, 1: 218-27.

**Jindal, K., Khaliq, F. and Gupta, P. 2009.** 'Birth weight and lung functions in male adolescents'. *Indian J. Physiol Pharmacol*, 53: 347-52.

**Khaliq, F., Yumnam, A. and Vaney, N. 2009.** 'Visual evoked potential study in slow learners'. *Indian J. Physiol Pharmacol*, 53: 341-46.

**Lakshmi, V., Vaney, N. and Madhu, S.V. 2009.** 'Effect of thyroxin therapy on autonomic status in hypothyroid patients'. *Indian J. Physiol Pharmacol*: 53: 219-26.

**Shankar, N., Thakur, M., Saxena, A.K., Arora, S. and Mehta, M. 2009.** 'Assessment of quality of life in patients with chronic low back pain'. *Indian J. Pain*, 23: 393-96.

**Singh, S. and Beena. 2009.** 'How much to stress on stress: Transition from 's' to 's''. *Journal of Clinical and Diagnostic Research*, 3: 1975-76.

- Singh, S. and Gautam, S. 2009.** 'P-VEP as predictor of occlusion therapy'. *Korean J. Ophthalmol*, 23: 135.
- Singh, S., Shankar, N. and Gautam, S. 2010.** 'Why do patients with schizophrenia smoke?' *Delhi Psychiatry J.*, 13: 179-81.
- Singh, S., Singh, S. and Gautam, S. 2009.** 'Pedagogical effectiveness of ABL in appealing multiple intelligences of our medical students: Gardner's Theory Revisited'. *Indian Med Gaz*, 8: 313-15.
- 'Shavasana Autopsychorelaxation: A self-report measure of cost-effective integrative medicine'. *The Internet Journal of Alternative Medicine*, 7(1).
- 2009.** 'Teaching styles and approaches: Medical student's perceptions of animation-based lectures as a pedagogical innovation'. *Pak J. Physiol*, 5: 17-22.
- Singh, S. 2010.** 'Near peer role modeling: The fledging scholar's education paradigm'. *Anat Sci Educ*, 3: 50-51.
- 'P85, P50 evoked potential sensory gating as an endophenotype for schizophrenia'. *Afr J. Psychiatry*, 13: 42-43.
- Singh, S. and Gautam, S. 2009.** 'Animation-based lectures in renal Physiology: Transcendence into metacognition'. *J. Educ Eval Health Prof*, 6: 6.
- Singh, S. and Pruthi, S. 2010.** 'Undergraduate medical research: Tapping the untapped potential'. *Indian J. Med Res*, 131: 459-60.
- Singh, S., Swami, G., Singh, K.P. and Gupta, M. 2009.** 'Diffusion capacity of lung and effect of pranayama in hypothyroid patients'. *Journal Advance Research Biological Sci*, 2: 34-38.
- Singh, S. 2009.** 'Tech body syndrome and the phenomenology of yoga: A personal silhouette'. *UP J. Ophthalmology*, 28: 36-39.
- Swami, G., Singh, S., Singh, K.P. and Gupta, M. 2009.** 'Effect of yoga on pulmonary function tests of hypothyroid patients'. *Indian J. Physiol Pharmacol*, 54: 51-56.
- Yadav, A., Kanojia, S., Babbar, R. and Mala, Y.M. 2009.** 'Brainstem auditory evoked potentials in pregnancies complicated by pre-eclampsia'. *Biomedicine*, 29: 332-35.
- Yadav, A., Singh, S. and Singh, K.P. 2009.** 'Role of pranayama breathing exercises in rehabilitation of coronary artery disease patients – A pilot study'. *Indian J. Trad Knowledge*, 8: 455-58.
- Ahmad, Y., Bhatia, M.S. and Medirata, P.K., et. al.** 'Association between the ionotropic glutamate receptor kainate3 (GRIK3) Ser310Ala polymorphism and schizophrenia in the Indian population'. *World J. Biological Psychiatry*, 10: 330-33.

- Bhatia, M.S., Rajender, G., Srivastava, S., Kumar, P. and Choudhary, D.** 'Desvenlafaxine: a new serotonin norepinephrine reuptake inhibitor (drug review)'. *Delhi Psychiatry J.*, 12: 320-29.
- Bhatia, M.S. and Gupta, R. 2010.** 'Adolescents' and parents perceptions of psychogenic nonepileptic seizures'. In: Bhatia, M.S. and Kaur, N. (eds), *Combined Medical Services Examination by UPSC*. New Delhi: CBS Publishers & Distributors.
- Bhatia, M.S. and Kaur, N. (eds). 2009.** 'DM Entrance Examination in Cardiology'. New Delhi: CBS Publishers & Distributors.
- 2009.** (eds). *Entrance Examination in DM Neurology and M.Ch. Neurosurgery*. New Delhi: CBS Publishers & Distributors.
- 2009.** *Entrance examination in Nuclear Medicine & Radiotherapy*. New Delhi: CBS Publishers & Distributors.
- 2009.** Entrance Examination in Nutrition & Dietetics. New Delhi: CBS Publishers & Distributors.
- 2009.** *Mental Health Problems in Dentistry*. New Delhi: CBS Publishers & Distributors.
- Quick Medical Examinations Review* (a series of subject-wise 20 books). New Delhi: CBS Publishers & Distributors.
- 2009.** *Screening Examination for Foreign Medical Graduates by National Academy of Medical Sciences*. New Delhi: CBS Publishers & Distributors.
- 2010.** *DNB Entrance Examination*. New Delhi: CBS Publishers & Distributors.
- 2010.** *Anokhe Bacche* (in Hindi). Delhi: National Book Trust.
- Bhatia, M.S., Srivastava, S. and Gupta, R.** 'Attention deficit hyperactivity disorder'. In: Talukdar, B. (ed.), *Essentials of Pediatric Neurology*. New Delhi: Academa, pp. 234-42.
- 'Autism'. In: Talukdar, B. (ed), *Essentials of Pediatric Neurology*. New Delhi: Academa, pp. 243-53.
- Bhatia, M.S., Srivastava, S., Rajender, G. and Kumar, P. 2009.** 'Magnesium valproate A drug review', *Delhi Psychiatry J.*, 12: 126-32.
- Bhatia, M.S. 2009.** 'Internet sex addiction a new distinct disorder'. *Delhi Psychiatry J.*, 12: 3-4.
- 2009.** 'Psychiatric abuse- a matter of concern'. *Delhi Psychiatry J.*, 12: 165-66.
- 2009.** 'Psychiatric aspects of HIV/AIDS and cancer'. Chapter in book on Mental Health by DGHS. Delhi: Ministry of Health & Family Welfare.

- Chhabra, V., Bhatia, M.S., Gupta, S., Kumar, P. and Srivastava, S. 2009.** 'Prevalence of social phobia in school going adolescents in urban area'. *Delhi Psychiatry Journal*, 12: 18-25.
- Dhruv, Mittal, S. and Kumar, P.** 'RTMS effective in clozapine resistant auditory hallucinations with four month follow up'. *Delhi Psychiatry Journal*, 12: 312-13.
- Gupta, R., Ahmed, T., Banerjee, B. and Bhatia, M.S. 2009.** 'Plasma calcitonin gene-related peptide concentration is comparable to control group among migraineurs and tension-type headache subjects during inter-ictal period'. *Journal of Headache and Pain*, 10: 161-66.
- Gupta, R., Bhatia, M.S. and Banerjee, B.B. 2009.** 'Comparison of oxidative stress among migraineurs, tension-type headache subjects and a control'. *Annals of Indian Academy of Neurology*, 3: 153-58.
- Jhanjee, A., Gupta, N. and Unni, K.E.S. 2010.** 'Clozapine-induced double incontinence'. *Br. J. of Psychiatry*, 190: 449-50.
- Jhanjee, A. and Gupta, N. 2009.** 'Amisulpiride induced dystonia- Case Report'. *Delhi Psychiatry J.*, 12: 318-19.
- Jiloha, R.C. and Bhatia, M.S. (eds). 2010.** *Psychiatry for General Practitioners*. New Delhi: New Age International Publishers.
- Kaur, J., Agarwal, N. and Bhatia, M.S. 2009.** 'Exercise addiction'. *Delhi Psychiatry Journal*, 12: 107-9.
- Kumar, P., Srivastava, S. and Bhatia, M.S., et. al. 2009.** 'A study of psychiatric referrals in multidisciplinary teaching hospital'. *Delhi Psychiatry J.*, 12: 282-84.
- Malhotra, S., Bhatia, M.S., Rajender, G. and Choudhary, D. 2009.** 'Computer Gaming: The new heroinware'. *Delhi Psychiatry J.*, 12: 314-17.
- Malhotra, S., Bhatia, M.S., Rajender, G., Ddungdung, A.A. and Chaudhary, D. 2009.** 'Recent research in neurobiology of OCD & endophenotypes'. *Delhi Psychiatry J.*, 12: 285-90.
- Malhotra, S., Bhatia, M.S., Rajender, G., Sharma, V. and Singh, T.B. 2009.** 'Current update on cognitive retraining in neuropsychiatric disorders'. *Delhi Psychiatry Journal*, 12: 213-18.
- 2009.** 'Neuron-cognitive functioning in children with learning difficulties'. *Delhi Psychiatry J.*, 12: 276-81.
- Nischal, A., Tripathi, A., Nischal, A., Shukla, D. and Kumar, P. 2009.** 'Bupropion induced auditory hallucinations', *Delhi Psychiatry Journal*, 12: 142-43.

- Rajender, G., Bhatia, M.S., Malhotra, S., Kanwal, K. and Chaudhary, D. 2009.** 'Current update on candidate endophenotypes for OCD'. *Delhi Psychiatry J.*, 12: 188-94.
- Rajender, G. and Kumar. P. 2009.** 'Psychiatry for General Practitioners (book review)'. *Delhi Psychiatry J.*, 12: 335.
- Safara, M. and Bhatia, M.S. 2009.** 'Love and Mental Health'. *Delhi Psychiatry J.*, 12: 206-12.
- 2009.** 'Prayer Therapy'. *Delhi Psychiatry J.*, 12: 67-73.
- Schachter, S.C. and La France, Jr (eds). 2009.** 'Gates and Rowan's Nonepileptic Seizures'. USA: Cambridge University Press, pp. 197-200.
- Sharma, V., Narang, K., Rajender, G. and Bhatia, M.S. 2009.** 'Shopaholism (compulsive buying)-a new entity'. *Delhi Psychiatry J.*, 12: 110-13.
- Singh, I., Aggarwal, A., Singh, M., Rana, A. and Kumar, P. 2009.** 'Hypochondrical delusions in five members of family folie a famille, *Delhi Psychiatry J.*, 12: 309-11.
- Singh, I., Aggarwal, V., Sitholey, P. and Kumar, P. 2009.** 'A clinical psychiatric study of non psychotic young adolescents'. *Delhi Psychiatry J.*, 12: 269-73.
- Srivastava, S., Bhatia, M.S., Bhargava, S.K., Kumari, R. and Ghosh, S. 2009.** 'Newer trends in neuroimaging of Depressive Disorders'. *Delhi Psychiatry J.*, 12: 297-301.
- Srivastava, S., Bhatia, M.S. and Bohra, N. 2010.** 'Depression in Women in Indian Context'. In: Sharma, I. (ed.), *Women Mental Health*. India: Indian Psychiatric Society.
- Srivastava, S., Bhatia, M.S., Rajender, G. and Angad, S. 2009.** 'QoL & Mental Health. Quality of life in substance use disorders'. *Delhi Psychiatry J.*, 12: 114-20.
- Srivastava, S., Bhatia, M.S. and Thawani, R. 2010.** 'Quality of life style changes in patients with OCD in India', *Indian J. of Private Psychiatry*, 4: 35-39.
- Srivastava, S. 2009.** 'Textbook of Clinical Psychology (book review)', *Delhi Psychiatry J.*, 12: 144.
- Yadav, J.S., Kaur, S., Singh, H., Srivastava, A.S. and Kumar, P. 2009.** 'Determinants of acute dystonia in first episode of psychotic patients treated with Haloperidol and Centbutindole'. *Delhi Psychiatry J.*, 12: 258-62.
- Rastogi, R., Bhargava, S.K., Bhatt, S. and Bhargava, S. 2009.** 'Computed tomography in the diagnosis of chronic gastric volvulus'. *J. Int Med Science Acad*, 22: 93-94.
- Bhargava, S.K. 2010.** *Jaypee Golden Colour Doppler Atlas Series*. Delhi: Jaypee Bros. 2010. *Principles and Practices of Ultrasomnography* (2<sup>nd</sup> edn). Delhi: Jaypee Bros.

- 2010.** Charters (a) 'Role of Doppler in Gynaecological Lesions', (b) 'Imaging Techniques in Gynaecological Lesions', (c) 'Gynaecological Ultrasound'. In: *Textbook 5 Teachers Gynaecology*, (ed.) Khan, L.R., Bangladesh. Delhi: CBS Publishers.
- Agarwal, C.S., Kaur, N., Saha, S. and Anchal, N. 2009.** 'A rare diagnosis of a neck swelling'. *J. Clin Diag Res*, 3: 1679-81.
- Agarwal, N., Dewan, P., Kumar, S. and Gupta, P. 2009.** 'Medical students' awareness and motivation for research'. *Nat Med J. India*, 22: 101-2.
- Agarwal, N., Kaur, N., Panwar, P. and Singh, B. 2010.** 'Synovial sarcoma of the thigh mimicking a chronic cystic hematoma: A case report and review of literature'. *J. Balkan Union of Oncology*, 15: 192.
- Agarwal, N., Kumar, R. and Lal, R. 2009.** 'Bladder atony and ileus in a man with myxedema: Case report and review of literature'. *Acta Endocrinol*, 5: 407-10.
- Agarwal, N., Kumar, S., Hai, A. and Agrawal, R. 2009.** 'Mixed type I and II choledochal cyst in an adult: case report and review of literature'. *Hepatobiliary Pancreat Dis Int*, 8: 434-36.
- Agarwal, N., Kumar, S., Joshi, M.K. and Sharma, M.S. 2009.** 'Traumatic abdominal wall hernia in two adults: A case series'. *J. Med Case Reports*, 3: 7324.
- Agarwal, N., Kumar, S., Sharma, M.S., Agrawal, R. and Joshi, M.K. 2009.** 'Emphysematous gastritis causing gastric and esophageal necrosis in a young boy'. *Acta Gastroenterol Belg.*, 72: 354-56.
- Agarwal, N., Kumar, S. 2009.** 'Chronic Budd-Chiari syndrome due to hepatic hydatids in a young girl: A case report and review of literature'. *Ann Trop Paediatr*, 29: 301-4.
- Agarwal, N. 2010.** 'Carcinoma breast'. *Curr. Med J. India*, 16: 17-23.
- Agrawal, V., Joshi, M.K. 2009.** 'Pathophysiology of acute intestinal obstruction'. In: Sarda, A.K. (ed.). *Surgery Update 2009*, Proceedings of the XXVI National CME Programme in Surgery 2009, pp. 35-37.
- Agrawal, V., Sharma, N., Joshi, M.K. and Minocha, V.R. 2009.** 'Role of suture material and technique of closure in wound outcome following laparotomy for peritonitis'. *Trop Gastroenterol*, 30: 237-40.
- Garg, P.K., Choudhary, D. and Hadke, N.S. 2009.** 'Hemostatic factors in breast cancer as prognostic/predictive factors'. *Eur J. Intern Med*, 20: e130.
- Garg, P.K., Dangi, A., Khurana, N. and Hadke, N.S. 2009.** 'Malignant proliferating trichilemmal cyst: a case report with review of literature'. *Malays J. Pathol*, 31: 71-76.
- Garg, P.K., Jain, S.K., Kaza, R.C., Srivathsan, R. and Nanda, G. 2010.** 'Staged closure after complete wound dehiscence: Novel technique'. *Surgeon*, 8: 177-78.

- Garg, P.K. 2010.** 'Adequate surgery for papillary thyroid cancer'. *Surgeon*, 8: 56.
- Gupta, A., Kumar, S., Gupta, S., Wadhwa, N. and Jaura, M. 2010.** 'Polypoid cystitis masquerading as leiomyoma of urinary bladder-An unusual case report'. *The Int J. Urology*, 6.
- Gupta, A., Kumar, S., Kumaresh, T.S., Gupta, S., Makhija, M. and Singh, B. 2010.** 'Primary squamous cell carcinoma of the ampulla of Vater - A rare entity'. *Int J. Surgery*, 22.
- Hadke, N.S. and Garg, P.K. 2009.** 'Recent advances in the management of varicose veins'. In *Surgery Update 2009*, Proceedings of the XXVI National Continuing Medical Education Programme in Surgery. Department of Surgery, Maulana Azad Medical College.
- Kakar, A.K. and Garg, P.K. 2009.** 'Venous ulcer'. In *Surgery Update 2009*, Proceedings of the XXVI National Continuing Medical Education Programme in Surgery. Department of Surgery, Maulana Azad Medical College.
- Kaur, N. and Singh, T. 2009.** 'Introducing medical students to healthcare management'. *Medical Education*, 43: 1081-1117.
- Kaur, N. 2009.** 'Benign breast lumps: A current perspective'. *Current Med J. India*: 15: 31-35.
- Kumar, A., Agarwal, P.N. and Garg, P.K. 2009.** 'Evaluation of subfascial endoscopic perforator vein surgery (SEPS) using harmonic scalpel in varicose veins: An observational study'. *Int J. Surg*, 7: 253-56.
- Kumar, S., Gupta, A., Gupta, S. and Jaura, M. 2009.** 'Post-laparoscopic cholecystectomy port-site metastases from previously undiagnosed upper gastro-intestinal malignancies: Our experience of six cases'. *Int J. Surgery*, 21.
- Kumar, S., Joshi, M. and Choudhary, S. 2009.** 'Dissectalgia following TEP, a new entity: Its recognition and treatment: Results of a prospective randomized controlled trial'. *Hernia*, 13: 591-96.
- Mohanty, D., Jain, B.K., Agrawal, J., Gupta, A. and Agrawal, V. 2009.** 'Abdominal cocoon: clinical presentation, diagnosis, and management'. *J. Gastrointest Surg*, 13: 1160-62.
- Mohanty, D., Jain, B.K., Gupta, A. and Agrawal, V. 2009.** 'Chest wall abscess: An atypical presentation of isolated tuberculous liver abscess'. *Acta. Biomed*, 80: 77-79.
- Neogi, S., Mahapatra, L., Ram, M., Saha, S. and Kaur, N. 2009.** 'Spontaneous gastrocutaneous fistula: An unusual complication of incisional hernia'. *Clinical Researcher*, 1: 28-30.
- Richards, K.A., Singh, I. and Hemal, A.K. 2009.** 'Partial ureteropelvic junction obstruction managed by robotic excision and ureteropyelostomy'. *Can J. Urol*, 16: 4932-35.

- Saha, S., Mahapatra, L., Kaur, N., Shrivastava, U. and Gupta, S. 2009.** 'Vesical calculus resulting from forgotten intrauterine contraceptive device'. *Internet J. Gynecol Obstet*, 11(2).
- Saha, S. and Shrivastava, U. 2010.** 'Initial resuscitation of trauma patients'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Pvt. Ltd., pp. 60-70.
- Saha, S. and Shrivastava, U.K. 2010.** 'Perforation peritonitis'. In Shrivastava, U.K. and Saha, S. (eds). *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Pvt Ltd., pp. 24-31.
- 2010.** 'Splenic injury'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Pvt Ltd., pp. 95-99.
- Saha, S. 2010.** 'Neck trauma'. In: Shrivastava, U.K. and Saha, S. (eds), *An approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Pvt Ltd., pp. 100-12.
- 2010.** 'Urogenital trauma'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Pvt. Ltd. pp. 100-12.
- Shrivastava, U.K. and Mahapatra, L. 2010.** 'Abdominal wound dehiscence'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 194-99.
- 2010.** 'Acute abdomen'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 1-23.
- Shrivastava, U.K. and Mahapatra, L. 2010.** 'Blunt and penetrating abdominal trauma'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Pvt Ltd., pp. 71-79.
- 2010.** 'Painful anorectal conditions'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 251-57.
- 2010.** 'Vasculae emergency'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 200-9.
- Shrivastava, U.K. and Rai, A. 2010.** 'Soft tissue injury of the face'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Pvt Ltd., pp. 148-53.
- Shrivastava, U.K. and Saha, S. 2010.** 'Gastrointestinal hemorrhage'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Pvt Ltd., pp. 43-59.
- Shrivastava, U.K. and Satti, S. 2010.** 'Head injury'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 154-60.



- Shrivastava, U.K. 2010.** 'Abdominal compartment syndrome'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 190-93.
- 2010.** 'Occupational risk in surgery and its prevention'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 277-82.
- 2010.** 'Pancreatic injury'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 88-94.
- 2010.** 'Septic shock'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 247-50.
- 2010.** 'Thoracic trauma'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 137-47.
- 2010.** 'Urogenital emergency'. In: Shrivastava, U.K. and Saha, S. (eds), *An Approach to Surgical Emergency*. New Delhi: CBS Publishers and Distributors Ltd., pp. 210-26.
- Singh, I. and Hemal, A.K. 2010.** 'Robot-assisted pyeloplasty: review of the current literature, technique and outcome'. *Can J. Urol*, 17: 5099-108.
- 2009.** 'Role of robot-assisted pelvic surgery'. *Scientific World J.* 12, 9: 479-89.
- Singh, I., Kader, K. and Hemal, A.K. 2009.** 'Robotic distal ureterectomy with reimplantation in malignancy: technical nuances'. *Can J. Urol*, 16: 4671-76.
- Singh, I., Joshi, M. and Mehrotra, G. 2009.** 'Spontaneous renal forniceal rupture due to advanced cervical carcinoma with obstructive uropathy'. *Arch Gynecol Obstet*, 279: 915-18.
- Singh, I. 2009.** 'Robot-assisted laparoscopic partial nephrectomy: Current review of the technique and literature'. *J Minim Access Surg*, 5: 87-92.
- Singh, S., Jain, B.K., Mohanty, D., Agrawal, J. and Mehta, S. 2009.** 'Ruptured ectopic pregnancy presenting as intestinal obstruction'. *Can J Surg*, 52: 99-100.
- Singh, S.K., Garg, P.K., Choudhary, D., Bhargava, R., Ahmad, Z. and Pandey, D.K. 2009.** 'Traumatic pulmonary pseudocyst: A case report'. *South Med J.*, 102: 947-48.

## V.P. CHEST INSTITUTE

### Major Activities

The V.P. Chest Institute continued its 'education', 'research' and 'patient care' activities. On the occasion of the 60th Foundation Day Celebrations, Prof. Peter J. Barnes, Head of Respiratory Medicine, Imperial College, London, and Professor of Thoracic Medicine and

Head of Airway Disease at the National Heart and Lung Institute and Honorary Consultant Physician at Royal Brompton Hospital, London, delivered the '11th Prof. Raman Viswanathan -VPCI Oration' on 7 April 2009. A National Seminar on 'Environmental Lung Diseases' was also organized on this occasion on 6 April 2009.

Prof. Arun Dharmarajan, Winthrop Professor, School of Anatomy and Human Biology, Faculty of Life and Physical Sciences, The University of Western Australia, Nedlands, Perth, Western Australia, delivered the 5th Prof. Autar Singh Paintal Memorial Oration on 24 September 2009.

### **Special Grants/Assistance/Projects**

Department of Biotechnology	:	₹ 17,81,678
Indian Council of Medical Research	:	₹ 67,11,281
Council of Scientific & Industrial Research	:	₹ 26,32,713
Department of Scientific and Industrial Research	:	₹ 7,25,869
University Grants Commission	:	₹ 26,45,908
Indian National Science Academy	:	₹ 49,950
Department of Ayurveda, Yoga & Naturopathy, Unani, Siddha and Homoeopathy	:	₹ 8,00,000
World Health Organization	:	₹ 2,64,832
Department of Science & Technology	:	₹ 50,26,000
Defence Institute of Physiology & Allied Sciences	:	₹ 42,00,000

### **Library Development**

Budget/expenditure	:	₹ 76,71,600
Books added	:	21
Journals subscribed	:	99

### **Honours/Distinctions**

Dr. V.K. Vijayan: Founder President, South Asian Association of Allergy, Asthma and Clinical Immunology.

Vice President, World Lung Foundation-South Asia and Vice President, Pulmonary Pathology Society of India.

Chair, Clinical Respiratory Medicine Assembly, Asian Pacific Society of Respiriology.

Editor-in-Chief and Publisher, *Indian Journal of Chest Diseases & Allied Sciences*, an official publication of the V.P. Chest Institute and the National College of Chest Physicians (India).

Expert Member, Multicentric Task Force Project on 'Study on epidemiology of asthma and atopy in adults', ICMR, New Delhi; Member, Expert Committee, Project Review Group (PRG) for Indo-US Proposals in the area of 'Environment and Occupational Health' ICMR, New Delhi; Member, Expert Group to review the 'Report of cancer in MIC affected and unaffected areas in Bhopal', ICMR, New Delhi.

Member, Executive Committee, Tuberculosis Association of India; Member, Scientific Advisory Committee, National Institute of Occupational Health (ICMR), Ahmedabad; Member, Editorial Advisory Board, *Chest*, an official publication of the American College of Chest Physicians, U.S.A.

Member, Editorial Board, *World Allergy Organisation Journal*; Member, Scientific Advisory Committee, New Delhi Tuberculosis Centre; Member, Technical Advisory Committee on Child Labour, Ministry of Labour and Employment, Government of India; Member, Selection Committee for the Award of Post-doctoral Research Fellowship of the Indian Council of Medical Research, New Delhi; Member, Indian Sleep Board to certify Sleep Physicians in India through examination in association with American Academy of Sleep Medicine; Member, Board of Specialty in Infectious Diseases of Medical Council of India to develop curriculum in the specialty of Infectious Diseases; Member, National Workshop on 'Alternative Model for Undergraduate Medical Education' by the Medical Council of India, New Delhi; Member, Data Safety Monitoring Bureau (DSMB), Department of Biotechnology (BDT) project on 'Efficacy and safety of immunomodulatory Mycobacterium w. as an adjunct therapy in pulmonary tuberculosis'; Member, Technical Advisory Committee of the ICMR Centre for Advance Research in Environment-Air Pollution at Sri Ramachandra University, Chennai, Member, Scientific Advisory Board, the UCB Academy of Allergy, Mumbai.

Inspector, National Board of Examinations to inspect Amrita Institute of Medical Sciences & Research Centre, Kochi, for continuation of DNB course in Respiratory Medicine.

Chairman, Project Review Committee for the Division of NCD for the area of Environment, ICMR, New Delhi.

Chairman, Expert committee to recommend improvement of health care services of World University Service (WUS) Centre of Delhi University, Delhi.

Chairman, Institutional Ethics Committee, LRS Institute of Tuberculosis & Respiratory Diseases, Mehrauli, New Delhi.

Referee to evaluate the candidate for the Shanti Swarup Bhatnagar Prize 2009 of the Council of Scientific and Industrial Research in Medical Sciences.

Expert to evaluate CSIR (EMR) Emeritus Scientist project.

Member, Inspection Committee of Delhi University to recommend the B.Sc. (Nursing) course at Holy Family Hospital, New Delhi on 14 January 2010.

Member, Expert Committee to review the 'Concept and Rejuvenation Formulations in Regenerative Medicine' at ICMR, New Delhi.

Judge to evaluate the best paper presentation at 'UCB-ICAAI Young Scientist Award Session' at the 43rd Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology, Chandigarh.

Expert Member, Project Progress Review meeting for the project entitled 'Development of novel biomedical products with particular reference to defence forces using nuclear medicine techniques' at Institute of Nuclear Medicine and Allied Sciences, Delhi.

Founder Member, Association of Physicians of SAARC Countries, Dhaka.

Member, Editorial Advisory Board, *Chest* (Indian Edition), an official publication of the American College of Chest Physicians, USA.

Member, Editorial Advisory Board, *Thorax* (South Asian Edition), an official publication of the British Thoracic Society, UK.

Member, Editorial Board, *The Open Respiratory Medicine Journal*, an Open Access online journal.

Member, Editorial Board, *Lung India*, an official publication of the Indian Chest Society.

Member, Editorial Board, *Indian Journal of Tuberculosis*, an official publication of the Tuberculosis Association of India.

Member, Editorial Board, *Indian Journal of Allergy, Asthma and Immunology*, an official publication of the Indian College of Allergy, Asthma and Applied Immunology.

Member, Editorial Advisory Committee, *Pulmon*, an official publication of the Academy of Pulmonary and Critical Care Medicine.

Member, Editorial Board, *Indian Journal of Bronchology*, an official publication of the Indian Association for Bronchology.

Member, Editorial Board, *Indian Journal of Sleep Medicine*, an official publication of the Indian Sleep Disorders Association.

Judge to select the best free paper poster at the Congress on 'Total Lung Health' organized by the Bangladesh Lung Foundation and the Bangladesh Society of Allergy and Immunology (BANSAL), 14-15 October 2009.

Expert Member, Selection Committee for the selection of Chest Specialist at LRS Institute of Tuberculosis and Respiratory Diseases, Mehrauli, New Delhi.

**Prof. S.N. Gaur:** Editor, *Indian Journal of Allergy, Asthma and Immunology*, an official publication of the Indian College of Allergy, Asthma and Applied Immunology.

Secretary, National College of Chest Physicians (India).

Expert Member, Committee on Prevention, Abatement and Control of Pollution, Ministry of Environment & Forest, Government of India.

Member, Auto-immunity, Immunomodulation and Secondary Immune Deficiency Committee and Autoimmunity, Anaphylaxis, Immunotherapy, Allergen standardization and Allergy Diagnostic and Adverse Reaction to Food allergy, Air pollution and Indoor Allergen Committees, American Academy of Allergy, Asthma and Immunology.

Expert, Selection Committee, DNB Course, LRS Institute of Tuberculosis and Respiratory Diseases, New Delhi.

Expert, Selection Committee for promotion to Professor in Pulmonary Medicine, CSM Medical University, Lucknow, UP.

Member, DOTS Plus Committee, DDG (TB), Government of India, New Delhi.

Member, Standing Technical Committee, Tuberculosis Association of India, New Delhi.

Member, Advisory Board, Delhi Tuberculosis Association, New Delhi.

**Prof. A. Ray:** Member, Institutional Ethical Committee, Rajan Babu TB Hospital, Govt. of Delhi; Member, Institutional Ethical Committee, Defence Institute of Physiology and Allied Sciences (DIPAS), Defence Research Development Organisation (DRDO), Delhi; Member, Sub-committee for Preclinical evaluation of herbal drugs of the Department of Ayurveda, Yoga & Naturopathy, Unani, Siddha and Homoeopathy (AYUSH); Member, Expert Committee, Central Council for Research in Unani Medicine (CCRUM), (AYUSH); Member, Expert Committee, Central Council for Research In Homoeopathy, (AYUSH); Expert, Project Advisory Committee; Member, Defence Research Development Organisation (DRDO), Delhi; Expert Member, DST WOS- A Scheme Sensitization Programme (Govt. of India), SNDT University, Mumbai and JNTU, Kakinada.

**Prof. Ashok Shah:** Editor, *Indian Journal of Chest Diseases & Allied Sciences*, an official publication of the V.P. Chest Institute and the National College of Chest Physicians (India).

Associate Editor, *Indian Journal of Tuberculosis*, an official publication of the Tuberculosis Association of India.

Member, Editorial Board, *European Respiratory Reviews*; Member, Editorial Board, *Clinical and Molecular Allergy*; Member, Editorial Board, *Open Allergy Journal*; Member, Editorial Advisory Board, *Chest* (Indian Edition), an official publication of the American College of Chest Physicians, USA; Member, Editorial Board, *Indian Journal of Allergy, Asthma and Immunology*, an official publication of the Indian College of Allergy, Asthma and Applied Immunology; Member, Editorial Board, *Lung India*, an official publication of the Indian Chest Society; Member, Editorial Board, *Current Medical Trends*; Member, Technical Screening Committee of Biotech Consortium India Limited (BCIL), Technical Member, Purchase Board, Municipal Corporation of Delhi (Health Department) for the purchase of machines for pulmonary function testing; Expert Member, Selection Committee, DNB Respiratory Medicine, Sir Ganga Ram Hospital, New Delhi; Member, World Allergy Organisation Speciality and Training Council, and Audit & finance Committee and Member, Society Representative, Asia Pacific Association of Allergy, Asthma and Clinical Immunology.

**Prof. S.K. Chhabra,** Associate Editor, *Indian Journal of Chest Diseases & Allied Sciences*, an official publication of the V.P. Chest Institute and the National College of Chest Physicians (India).

Member, Editorial Board, *Indian Journal of Allergy, Asthma and Immunology*, an official publication of the Indian College of Allergy, Asthma and Applied Immunology; Member, Editorial Board, *Lung India*, an official publication of the Indian Chest Society and Member, Selection Committee, Recruitment and Assessment Centre, Defence Research Development Organisation, New Delhi.

**Prof. K. Ravi** Member, Selection Committee, Recruitment and Assessment Centre, Defence Research Development Organisation, New Delhi and Member, Project Review Committee, Defence Research Development Organisation, New Delhi.

**Prof. S.K. Bansal:** Secretary, Biotechnology Society of India and Secretary, Association of Clinical Biochemists of India (Delhi Chapter).

Member, Academic Council of M.D. University, Rohtak, Haryana; Member, Assessment Committee for assessment of Group II Group III Technical Staff in Institute of Genomics and Integrative Biology, Delhi.

Panel of Experts, Council of Science & Technology, U.P. Lucknow, for evaluation of research proposal for grant-in-aid and Panel of Experts, Council of Medical Research for evaluation of U.P. Lucknow, for evaluation of research proposal for grant-in-aid.

**Prof. Raj Kumar:** Member, Editorial Board, *International Journal of Occupational and Environmental Health*, USA; Member, Editorial Board, *Indian Journal of Chest Diseases & Allied Sciences*, an official publication of the V.P. Chest Institute and the National College of Chest Physicians (India); Member, Editorial Board, *Indian Journal of Allergy, Asthma and Immunology*, an official publication of the Indian College of Allergy, Asthma and Applied Immunology; Member, Project Review Committee, Department of Anthropology, Delhi University; Member, Review Committee on Genetic Manipulation (RCGM), Department of Biotechnology, Government of India, New Delhi and Member, Selection Committee for Medical Officer, LRS Institute of TB and Respiratory Diseases, New Delhi.

Joint Secretary, Indian College of Allergy, Asthma and Applied Immunology, Delhi.

Treasurer, South Asia Association of Asthma, Allergy & Clinical Immunology.

**Dr. Madhu Khanna** Received AGD Bronze Prize for oral presentation on the topic 'A Combinatorial Antiviral Approach Against Influenza: A Virus using Ribozyme and siRNA' (by Khanna, M., Sood, V., Banerjea, A. and Kumar, P.) in the Third Ditan International Conference on Infectious Disease held at Beijing International Convention Centre, Beijing, China, 30 July-2 August 2009.

Editor, *Indian Journal of Virology*.

**Dr. Anuradha Chowdhary:** Awarded ICMR International Fellowship to work on project entitled, 'Molecular characterisation of environmental and clinical strains of *Cryptococcus gattii* and *Cryptococcus neoformans* isolated in India' at Molecular Mycology Laboratory, Department of Biology, McMaster University, Hamilton, Ontario, Canada, July-Sept., 2009.

Awarded Dr. Shriniwas best paper for a joint paper entitled, 'Antifungal susceptibility profile and molecular typing of *Cryptococcus neoformans* and *C. gattii* isolates from India' (by Chowdhary, A., Randhawa, H.S., Sundar, G., Kowshik, T., Khan, Z.U., Sun, S., Hiremath, S.S. and Xu, J.P.) at Annual Congress of Indian Association of Medical Microbiologists, Delhi Chapter, Lady Hardinge Medical College, New Delhi, 5 December 2009; and Awarded a poster paper prize for a joint paper entitled, 'Evaluation of hypertonic Sabouraud's glucose agar as a reliable medium for differentiation of *Candida dubliniensis* from *Candida albicans*' (by Chowdhary, A., Randhawa, H.S., Kowshik, T., Kathuria, S., Roy, P. and Mary E. Brandt) at VIII National Conference of Society for Indian Human and Animal Mycologists, (SIHAM 2010), A.I.I.M.S., New Delhi, 4-6 March 2010.

**Dr. Anita Kotwani:** Member, Expert Committee, UGC, to evaluate the applications submitted for visit of Indian teachers/scholar for study-cum-research, exchange programme in various countries; Member, Indian Council of Medical Research for meeting of an Expert Group to discuss spurious, adulterated and misbranded drugs; Member, National Working Group of the Global Antibiotic Resistance Partnership (GARP)-India; Executive Member, International Society for Pharmacoeconomics and Outcome Research (ISPOR), Indian Chapter and Member, Committee of Courses and Studies for Honours, Postgraduate and Research Studies in Biomedical Sciences of Dr. B.R. Ambedkar Centre for Biomedical Research, Delhi University.

**Dr. Kavita Gulati:** Dr. B.N. Ghosh Memorial Oration, International Conference on Integrative and Personalised Medicine and 42nd Annual Conference of Indian Pharmacological Society (IPSCON-2009), Kolkata, 10-12 December 2009.

Expert, Project Evaluation Committee, Central Council for Research in Homoeopathy, (AYUSH).

Judge for prize in a scientific (poster) session, International Conference on Integrative and Personalised Medicine and 42nd Annual Conference of Indian Pharmacological Society (IPSCON-2009), Kolkata, 10-12 December 2009.

**Dr. Ritu Kulshrestha:** Geraldine Zeiler Fellowship and Visiting Clinician, Mayo Clinic, Scottsdale, Arizona, USA, in the Department of Pathology, under the direction of Dr. Thomas Colby, Dr. Kevin Leslie and colleagues. 26 May-26 June 2009.

#### **Seminars/Conferences held**

National Seminar on 'Environmental Lung Diseases', on the occasion of the 60th Foundation Day Celebrations of the VPCI, Delhi, 6 April 2009.

Symposium on 'Research on Bhopal Gas Tragedy' to commemorate '25 years of Bhopal Gas Disorder', Delhi, 3 December 2009.

Seminar on 'Pneumonia', IX CME, Delhi, 13 February 2010.

XXXV Workshop on 'Respiratory Allergy: Diagnosis and Management', Delhi, 8-12 March 2010.

## **Seminars/Conferences attended**

**Dr. V.K. Vijayan:** Chaired a session on Lung Cancer at the 3rd Biennial Conference of the Indian Society for Study of Lung Cancer, Hotel Peterhoff, Shimla, organized by the Indian Society for Study of Lung Cancer, 25 April 2009.

Participated as an Expert, Joint Indo-US Workshop on 'Climate Change and Health' (India Co-Chair of Scientific Session) organized by ICMR, USCDC, NCEH and UMCGH, Goa, 30 August-2 September 2009.

Judge for evaluating the best paper presentation at 'UCB-ICAAI Young Scientist Award Session'.

Course Director, Workshop on 'Pulmonary function tests', 43rd Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON 2009), organized by Government Medical College, Chandigarh, 1-4 October 2009.

Guest Lecture on 'Pathophysiology and management of obstructive sleep apnea syndrome', 7th National Conference on Cardiology, Diabetology, Electrocardiology, Echocardiology & Critical Care, Hotel Jehan Numa Palace, Shamlu Hills, organized by Association of Physicians, Bhopal, 3-4 October 2009.

Guest Lecture on 'Sleep apnea: Indian experience', Congress on Total Lung Health, Bangabandhu International Conference Centre, organized by BANSAL, Dhaka, Bangladesh, 14-15 October 2009.

Guest Lecture on 'Obstructive sleep apnea: Pathogenesis', National Conference on Pulmonary Diseases (NAPCON-2009) organized by National College of Chest Physicians (India) and Indian Chest Society, Calicut, 5-8 November 2009.

Participated as a representative of World Lung Foundation, 40th Union World Conference on Lung Health, organized by International Union Against Tuberculosis and Lung Disease (The Union), Cancún, Mexico, 3-7 December 2009.

Guest Lecture on 'Therapeutic use of nitric oxide in cardio-respiratory diseases', 42nd Annual Conference of Indian Pharmacological Society organized by Indian Pharmacological Society Kolkata, 10-12 December 2009.

Chaired a session on Nanotechnology, International Conference on Preventing Emerging Occupational and Environmental Risks in South Asia and Beyond, organized by Centre for Occupational and Environmental Health, Maulana Azad Medical College and Collegium Ramazzini and Drexel University School of Public Health, Philadelphia, New Delhi, 17-19 December 2009.

Chair, Indian Team, Asthma, Allergy & Immunology, 3rd Indo-US Health Care Summit and 1st Global Health Care Summit, ITC Maurya Sheraton, organized by American Association of Physicians of Indian Origin and Indian Medical Association, New Delhi, 2-3 January 2010.



Guest Lecture on 'Difficult asthma', 65th Annual Conference of Association of Physicians of India (APICON 2010), organized by Association of Physicians of India, Jaipur, 7-10 January 2010.

Guest Lecture on 'Bronchoalveolar lavage: Techniques and its pitfalls', 15th Annual Conference of the Indian Association for Bronchology, organized by Indian Association for Bronchology, Agra, 5-7 February 2010.

Guest Lecture on 'Cardio-pulmonary consequences of obstructive sleep apnea syndrome', Joint International Conference of International Society for Heart Research & International Academy of Cardiovascular Sciences (India Section), organized by Delhi Pharmaceutical Sciences & Research University, New Delhi, 3-4 February 2010.

**Prof. H.G. Raj:** Guest Lecture on 'Characterisation of polyphenolic acetate as the enhancer of intracellular nitric oxide: Mechanism and biological implications', 5th Indo-Italian Workshop on Chemistry and Biology of Antioxidants, organized by Department of Chemistry, Delhi University, and Embassy of Italy, Rome, Italy, 6-8 July 2009.

Guest Lecture on 'Oxidative stress and injury: Terminus a quo of chronic obstructive pulmonary diseases (COPD)', 6th Indo-Italian Workshop on Chemistry and Biology of antioxidants', organized by Department of Chemistry, Delhi University, 10-11 December 2010.

Guest Lecture on 'Development of polyphenolic acetates as a novel antiplatelet agent', International Symposium on 'Trends in Drug Discovery and Development', organized by Department of Chemistry, Delhi University, 5-8 January 2010.

**Prof. S.N. Gaur:** Guest Lecture on 'Global warming and respiratory health', 8th State Conference of Tuberculosis and Respiratory Diseases, Rajasthan Chapter of National College of Chest Physicians, India (NCCP RAJCON 2009), Hotel Basant Vihar Palace, organized by Department of Tuberculosis and Respiratory Diseases, S.P. Medical College and Rajasthan Chapter of National College of Chest Physicians India, Bikaner, 4-5 April 2009.

Guest Lecture on 'Immunotherapy for allergic diseases: Present scenario'.

Lecture on 'Immunotherapy is an evidence based intervention for asthma – WHO - How strong is the evidence?' In the Workshop on 'Allergy testing and immunotherapy'.

Participated in a panel discussion on 'Interactive session on Immunotherapy'.

Chaired sessions on 'Asthma: Epidemiology and pathophysiology' and 'Allergy and immunotherapy', Government Medical College, 43rd Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON 2009), Chandigarh, 1-4 October 2009.

**Prof. S.N. Gaur:** Guest Lecture on 'Global warming and its effect on lung', National Advisor

Lecture on: Sublingual immunotherapy, CME on Allergen immunotherapy.

National College of Chest Physicians (India) and Indian Chest Society.

National Conference on Pulmonary Diseases (NAPCON-2009), Calicut, 5-8 November 2009.

**Prof. S.N. Gaur:** Chaired a session on Allergy and immunotherapy, American Association of Physicians of Indian Origin and Indian Medical Association, 3rd Indo-US Health Care Summit and 1st Global Health Care Summit, ITC Maurya Sheraton, New Delhi, 2-3 January 2010.

Lecture on 'Overview of immunotherapy, present scenario' in the CME on Update on Allergy and Asthma.

Participated in a panel discussion on Interactive session on Immunotherapy.

Indian Association for Bronchology, 15th Annual Conference of the Indian Association for Bronchology, Agra, 5-7 February 2010.

**Guest Lecture on** 'Immunotherapy – Current guidelines in bronchial asthma', Department of Pulmonary Medicine, Geetanjali Medical College and Hospital (GMCH) and Rajasthan Chapter of National College of Chest Physicians India, 9th Annual Conference of the Rajasthan Chapter of National College of Chest Physicians India (NCCP RAJCON 2010), Udaipur, 13-14 March 2010.

**Prof. A. Ray:** Guest Lecture on 'Pharmacology of CNS-immune interactions during stress', Department of Pharmacology, University of Minnesota, Minneapolis, USA, 26 June 2009.

Guest Lecture on 'Pharmacology of CNS-immune interactions during stress', Department of Pharmacology, University of Illinois IL, USA, 2 July 2009.

Guest Lecture on 'Some practical issues in pharmacovigilance: Signal detection and causality assessment', Society of Pharmacovigilance (India), 9th Annual Conference of Society of Pharmacovigilance (India), Sirsa, Haryana, 20-22 November 2009.

Guest Lecture on 'Recent studies on the efficacy and safety of methylxanthines', Indian Pharmacological Society, International Conference on Integrative and Personalized Medicine and 42nd Annual Conference of Indian Pharmacological Society (IPSCON-2009), Kolkata, 10-12 December 2009.

Guest Lecture on 'Modulation by nitric oxide (NO) of neurobehavioral and immunological responses during stress', Society for Free Radical Research (SFRR), International Conference on Advances in Free Radical Research and 9th Annual Conference of the Society for Free Radical Research (SFRR), Hyderabad, 11-13 January 2010.

Guest Lecture on 'Nitric oxide: A pleotropic regulator of health and disease', National Seminar on 'Biotechnology and Health ITM Universe and DRDE, (DRDO)', Gwalior, 19-20 March 2010.

**Prof. Ashok Shah:** Guest Lecture on 'Sarcoidosis: Indian scenario', Department of Tuberculosis and Respiratory Diseases, S.P. Medical College and Rajasthan Chapter of National College of Chest Physicians India, 8th State Conference of Tuberculosis and Respiratory Diseases, Rajasthan Chapter of National College of Chest Physicians, India (NCCP RAJCON 2009), Hotel Basant Vihar Palace, Bikaner, 4-5 April 2009.

Chaired a workshop on 'Diagnosis and management of asthma', XXVIII Congress of the European Academy of Allergology and Clinical Immunology (EAACI), Warsaw, Poland, 6-10 June 2009.

Guest Lectures on 'How to do a literature search? Sarcoidosis – How do we see it in India? Anaerobic lung infections', 1st Annual Conference of the National Allergy Asthma Bronchitis Institute, Indian Science Congress House, Kolkata, 4-5 July 2009.

Guest Lecture on 'One airway, one disease', Chaired a session on 'Aeroallergens', Government Medical College, 43rd Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON 2009), Chandigarh, 1-4 October 2009.

Guest Lecture on 'Sarcoidosis-Current perspective', Chaired a session on 'PFT - How do we interpret it now?', Department of Academics & Health Research, AMRI Hospitals, National Conference on Recent Advances in Medical Specialties, AMRICON 2009, Science City Auditorium, Kolkata, 10-11 October 2009.

Guest Lecture on 'Ethnic and geographical variation in the presentation of sarcoidosis', Chaired a session on 'Immunology and genetics in sarcoidosis', IX Assembly of the Yugoslav Association of Sarcoidosis, International Conference on Multisystem Sarcoidosis, Belgrade, Serbia, 15-16 October 2009.

Guest Lecture on 'Allergic bronchopulmonary aspergillosis', European Confederation of Medical Mycology and Infectious Diseases Group of the European Organisation for Research and Treatment for Cancer, 4th Trends in Medical Mycology of the European Confederation of Medical Mycology (ECMM) and by the Infectious Diseases Group of the European Organisation for Research and Treatment for Cancer, Hotel Hilton Athens, Athens, Greece, 18-21 October 2009.

Delivered NCCP Cipla Oration on 'Aspergillus associated hypersensitivity respiratory disorders', National College of Chest Physicians (India) and Indian Chest Society National Conference on Pulmonary Diseases (NAPCON-2009), Calicut, 5-8 November 2009.

Guest Lecture on 'Allergic bronchopulmonary aspergillosis: Diagnostic algorithm', Chaired sessions in Symposium on COPD Free paper sessions, Department of Pulmonary Medicine, Geetanjali Medical College and Hospital (GMCH) and Rajasthan Chapter of National College of Chest Physicians India, 9th Annual Conference of the Rajasthan Chapter of National College of Chest Physicians India (NCCP RAJCON 2010), Udaipur, 13-14 March 2010.

**Prof. S.K. Chhabra:** Lectures on 'Spirometry: Patient preparation and indications' in the workshop on 'Pulmonary functions tests: Management of asthma and assessment control', Government Medical College, 43rd Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON 2009), Chandigarh, 1-4 October 2009.

Lectures on 'Spirometry: Basics and indications tests', 'Lung volumes: Terminology', Delivered in the Workshop on 'Pulmonary functions tests', National College of Chest Physicians (India) and Indian Chest Society National Conference on Pulmonary Diseases (NAPCON-2009), Calicut, 5-8 November 2009.

'Adverse effects of Air Pollution: Review and Indian scenario', Workshop on 'Health Effects of Particulate Air Pollution', Thapar University, Patiala, 26-27 November 2009.

Chaired a panel discussion on COPD, LXIV National Conferences on Tuberculosis and Chest Diseases Tuberculosis Association of India, Kolkata, 27-29 December 2009.

**Dr. Raj Kumar:** Guest Lecture on 'Food allergy in bronchial asthma- Indian perspective', organized by Bangladesh Lung Foundation, Total Lung Health 2009, Dhaka, Bangladesh, 18-20 August 2009.

Guest Lecture on 'Food allergy in bronchial asthma', XLIII Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology, Government Medical College, Chandigarh, 1-4 October 2009.

Guest Lecture on 'Smoking cessation-Strategies and problems', IV National Conference of Tuberculosis and Chest Diseases (NATCON-2009), Tuberculosis Association of India, National Science Centre, Kolkata, 27-29 December 2009.

**Dr. Balakrishnan Menon:** Presented a paper on 'Evaluation of oxidant-antioxidant status in different stages of COPD: Determination of serum paraoxonase1 and malonyldialdehyde levels', 19th European Respiratory Society Annual Congress, European Respiratory Society, Vienna, Austria, 12-16 September 2009.

Guest Lecture on 'Novel pharmacological approaches in asthma', 43rd Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON 2009), Government Medical College, Chandigarh, 1-4 October 2009.

**Dr. Mandira Varma:** Presented a paper on 'Rapid identification of M. tuberculosis by PCR restriction analysis directly in clinical samples', V Congress of the International Union Against Tuberculosis and Lung Diseases, Dubrovnik, Croatia, 27-30 May 2009.

**Dr. Anuradha Chowdhary:** Presented papers on 'Prevalence of fungal rhinosinusitis in Delhi / New Delhi metropolitan area- A mycoserologic, histopathologic and clinical study First report of Candida nivariensis pneumonia in a HIV infected patient in India Rhinofacial entomophthoromycosis due to Conidiobolus coronatus- a case report from north India and an overview, XVII Congress of the International Society for Human and Animal Mycology, Tokyo, Japan, 25-29 May 2009.

Presented a paper on 'Molecular ecology and antifungal susceptibility of *Cryptococcus neoformans* and *C. gattii* in India', XXXII Annual Congress of Indian Association of Medical Microbiologists, Indian Association of Medical Microbiologists and J.S.S. Medical College, Mysore, 2-7 November 2009.

Guest Lecture on 'Systemic mycoses: Present scenario and the need for early diagnosis', Brain storming Session on Fungal Diseases, organized by Indian National Science Academy, International Union of Microbiological Societies, Bahadur Shah Zafar Marg, New Delhi, 7 March 2010.

**Dr. Anita Kotwani:** Presented papers on 'Assessing asthma management in an urban community in Delhi, India', and 'Does add-on evening dose of formoterol improve lung function for COPD patients receiving fixed-dose of tiotropium and formoterol?', Annual International Conference of ISPOR, organized by a International Society for Pharmacoeconomics and Outcome Research, Florida, USA, 16-20 May 2009.

Guest Lecture on 'Surveillance of antibiotic use in the community', Global Antibiotic Resistance Partnership, New Delhi, 24-25 August 2009.

Presented research work on 'Community based surveillance of antimicrobial use in resource-constrained settings', Pharmaceutical Policy Research Seminar, Harvard Medical School, Pharmaceutical Policy Research Fellowship and Drug Policy Research Group, Department of Population Medicine Boston, USA, 7 October 2009.

Guest Lecture on 'Need for improving access to essential medicines and treatment behavior to chronic diseases' in a symposium on 'Access to medicines', International Conference on Integrative and Personalized Medicine and XLII Annual Conference of Indian Pharmacological Society (IPSCON-2009), Kolkata, 10-12 December 2009.

**Dr. Kavita Gulati:** Presented posters on 'Role of oxidative and nitrosative stress during theophylline induced seizures in experimental animals' and 'Stress induced angiogenesis and brain oxidative injury in rats: Influence of age, sex and emotionality', XXIV International Symposium on Cerebral Blood Flow, Metabolism and Function, organized by International Society for Cerebral Blood Flow and Metabolism, Chicago, IL, USA, 29 June-3 July 2009.

Guest Lecture on 'Pharmacovigilance in obstructive airway disease: Focus on theophylline', IX Annual Conference of Society of Pharmacovigilance, Haryana, 20-22 November 2009.

Dr. B.N. Ghosh Memorial Oration on 'Role of free radicals in the toxicodynamics of drugs and xenobiotics'; Guest Lecture on 'Reverse pharmacology in respiratory medicine: An experience with a herbal formulation', International Conference on Integrative and Personalized Medicine and XLII Annual Conference of Indian Pharmacological Society (IPSCON-2009), Kolkata, 10-12 December 2009.

Guest Lecture on 'Possible role of nitrosative stress in drug and xenobiotic induced toxicity', International Conference on Advances in Free Radical Research and 9th Annual Conference of the Society for Free Radical Research, Hyderabad, 11-13 January 2010.

Guest Lecture on 'Recent trends in clinical trials: A herbal experience', National Seminar on 'Biotechnology and Health' organized by ITM Universe and DRDE, (DRDO), Gwalior, 19-20 March 2010.

**Dr. Vishal Bansal:** Presented a poster on 'Effects of 17- $\beta$ -estradiol on haemodynamic parameters in coronary artery blockade model of rabbit', International Conference on Integrative Physiology: Modern Perspective and Platinum Jubilee Celebrations of the Physiological Society of India, Science City Convention Centre, Kolkata, 12-14 November 2009.

**Dr. Ritu Kulshrestha:** Guest Lecture on 'Environmental lung disease- The Indian scenario'.

Presented a paper on 'Localised dystrophic ossification in mixed dust pneumoconiosis', 6th Asia Pacific International Academy of Pathology Congress, Kerala Chapter of Indian Association of Pathologists & Microbiologists, Kochi, Kerala, 20-23 August 2009.

**Guest Lecture on** 'Analysis of bronchoalveolar lavage fluid in neoplastic and nonneoplastic lung lesions'; Participated in a panel discussion on 'Bronchoalveolar lavage', XV Annual Conference of the Indian Association for Bronchology, Agra, 5-7 February 2010.

Chaired a session on 'Occupational lung diseases', International Pathology Update, PGIMER, Chandigarh, 19-21 February 2010.

### **Publications**

**Anand, A., Roy, A., Bhargava, B., Raj, H., Barde, P.B. and Vijayan, V.K. 2009.** 'Early symptom-relief after valvulotomy in mitral stenosis indicates role of lobeline-sensitive intrapulmonary receptors'. *Respir. Physiol. Neurobiol.* 169: 297-302.

**Chowdhary, A., Randhawa, H.S., Khan, Z.U., Ahmad, S., Juneja, S., Sharma, B., Roy, P., Sundar, G. and Joseph, L. 2010.** 'First isolations in India of *Candida nivariensis*, a globally emerging opportunistic pathogen'. *Med Mycol.* 48: 416-20.

**Gulati, K., Ray, A. and Vijayan, V.K. 2010.** 'Assessment of protective role of polyherbal preparation, Livina, against anti-tubercular drug induced liver dysfunction'. *Indian J. Exp. Biol.* 48: 318-22.

**Gupta, S., Sharma, S.B., Bansal, S.K. and Prabhu, K.M. 2009.** 'Antihyperglycemic and hypolipidemic activity of aqueous extract of *Cassia auriculata* L. leaves in experimental diabetes'. *J. Ethnopharmacology*, 123: 499-503.

**Gupta, S., Sharma, S.B., Prabhu, K.M. and Bansal, S.K. 2009.** 'Protective role of *Cassia auriculata* leaf extract on hyperglycemia-induced oxidative stress and its safety evaluation'. *Indian J. Biochem. Biophys.* 46: 371-77.

**Joon, M., Bhatia, S., Pasricha, R., Bose, M. and Brahmachari, V. 2010.** 'Functional analysis of an intergenic non-coding sequence within *mce1* operon of *M. tuberculosis*'. *BMC Microbiology*, 10: 128-33.

- Khanna, M. and Gupta, N. 2009.** 'Influenza A (H1N1) pandemic: preparedness and clinical management'. *Indian J. Exp. Biol.* 47: 843-932.
- Khanna, M., Gupta, N., Gupta, A. and Vijayan, V.K. 2009.** 'Influenza A (H1N1) 2009: a pandemic alarm'. *J. Biosci.* 34: 481-89.
- Khanna, M., Kumar, B., Gupta, N., Kumar, P., Gupta, A., Vijayan, V.K. and Kaur, H. 2009.** 'Pandemic swine influenza virus (H1N1): A threatening evolution'. *Indian J. Microbiol.* 49: 365-69.
- Kotwani, A. 2009.** 'Antimicrobial drug use surveillance, Delhi, India'. In: *Community-based surveillance of antimicrobial use and resistance in resource-constrained settings: Report on five pilot projects*. WHO Press, Geneva: World Health Organization, pp. 17-26.
2009. 'Availability, price, and affordability of asthma medicines in five Indian states'. *Intl. J. Tuber. Lung Dis.* 13: 574-79.
- Kotwani, A., Gurbani, N., Sharma, S. and Chaudhury, R. 2009.** 'Insights for policymakers from a medicine price survey in Rajasthan'. *Indian J. Med. Res.* 129: 451-54.
- Kotwani, A., Holloway, K. and Roy Chaudhury, R. 2009.** 'Methodology for surveillance of antimicrobials use among out-patient in Delhi'. *Indian J. Med. Res.* 129: 555-60.
- Kumari, R., Bansal, S., Gupta, G., Arora, S., Kumar, A., Goel, S., Singh, P., Ponnann, P., Priya, N., Tyagi, T.K., Baghel, A.S., Manral, S., Tandon, R., Joshi, R., Rohil, V., Gaspari, M., Kohli, E., Tyagi, Y.K., Dwarakanath, B.S., Saluja, D., Chatterji, S., Sharma, S.K., Prasad, A.K., Rastogi, R.C., Raj, H.G. and Parmar, V.S. 2010.** 'Calreticulin transacylase: genesis, mechanism of action and biological applications'. *Biochimie* (Epub ahead of print) DOI:10.1016/j.biochi.2010.01.016.
- Priya, N., Gupta, A., Chand, K., Singh, P., Kathuria, A., Raj, H.G., Parmar, V.S. and Sharma, S.K. 2010.** 'Characterization of 4-methyl-2-oxo-1,2-dihydroquinolin-6-yl acetate as an ineffective antiplatelet agent'. *Bioorganic Medicinal Chemistry*. DOI:10.1016/j.bmc.2010.04.011.
- Raj, H.G., Kumar, A., Kumari, R., Bansal, S., Ponnann, P., Gupta, G., Kohli, E., Arora, S., Baghel, A.S., Goel, S., Gulati, R., Singh, U., Tandon, R., Saluja, D., Dwarakanath, B.S., Bhat, A.N., Tyagi, T.K., Singh, P., Priya, N., Verma, A., Rohil, V., Prasad, A.K., Vij, A., Bansal, S.K., Vijayan, V.K., Jain, S.C., Rastogi, R.C. and Parmar, V.S. 2010.** 'Prospects for the development of polyphenolic acetate as the potential drug candidate: A review'. In *Compendium of Bioactive Natural Products, Vol. 7: Structural Modifications & Drug Development Bioactive Natural Products*. USA: Studium Press LLC.
- Ray, A. 2009.** i. 'Basic aspects of immunology', ii. 'Immunomodulators' and iii. 'Nitric oxide and endothelins'. In: *Textbook of Pharmacology* (3rd edition), Seth, S.D. and Seth, V. (eds). Noida: Elsevier.

- Ray, A. and Chakraborty, A. 2009.** 'Gene Therapy'. In: *Textbook of Pharmacology* (3rd edition), Seth, S.D. and Seth, V. (eds). Noida: Elsevier.
- Ray, A. and Gulati, K. 2009.** i. 'Pharmacodynamics' and ii. 'Pharmacokinetics'. In: *Textbook of Pharmacology* (3rd edition), Seth, S.D. and Seth, V. (eds). Noida: Elsevier.
- Rohil, V., Dulal, H., Mehta, K.D., Srivastava, M., Yadav, A., Lamsal, M., Baral, N. and Majhi, S. 2009.** 'Study the effects of hyperthyroidism on oxidative stress in Nepalese population'. *Biomedicine* 29: 176-79.
- Sarkar, P.K., Ahluwalia, G., Vijayan, V.K. and Talwar, A. 2010.** 'Critical care aspects of malaria'. *J. Intensive Care Med.* 25: 93-103.
- Seth, S.D. and Ray, A. 2009.** 'Introduction to Pharmacology'. In: *Textbook of Pharmacology* (3rd edition), Seth, S.D. and Seth, V. (eds). Noida: Elsevier.
- Singh, P., Ponnann, P., Krishnan, S., Tyagi, T.K., Priya, N., Bansal, S., Scumaci, D., Gaspari, M., Cuda, G., Joshi, P., Gambhir, J.S., Saluja, D., Prasad, A.K., Saso, L., Rastogi, R.C., Parmar, V.S. and Raj, H.G. 2010.** 'Protein acyltransferase function of purified calreticulin. Part 1: characterisation of propionylation of protein utilizing propoxycoumarin as the propionyl group donor'. *J. Biochem.* 147: 625-32. (DOI:10.1093/jb/mvq002).
- Singh, S.P., Shariff, M. and Thukral, S.S. 2009.** 'Comparative evaluation of phenotypic tests for identification of Metallo  $\beta$ -lactamases producing clinical isolates of *Pseudomonas aeruginosa*'. *Indian J. Med. Res.* 129: 713-15.
- Singh, T.D., Patial, K., Vijayan, V.K. and Ravi, K. 2009.** 'Oxidative stress and obstructive sleep apnea syndrome'. *Indian J. Chest Dis. Allied Sci.* 51: 217-24.
- Singh, U., Kumar, A., Sinha, R., Manral, S., Arora, S., Ram, S., Mishra, R.K., Gupta, P., Bansal, S.K., Prasad, A.K., Biswal, S., Parmar, V.S. and Raj, H.G. 2010.** 'Calreticulin transacetylase catalyzed modification of the TNF- $\alpha$  mediated pathway in the human peripheral blood mononuclear cells by polyphenolic acetate'. *Chem. Biol. Interact.* 185: 263-70. (DOI:10.1016/j.cbi.2010.02.025).
- Srivastava, D., Singh, B.P., Arora, N. and Gaur, S.N. 2009.** 'Clinico-immunologic study on immunotherapy with mixed and single insect allergens'. *J. Clin Immunol.* 29: 665-73.
- Srivastava, V., Rawall, S., Vijayan, V.K. and Khanna, M. 2009.** 'Influenza A virus induced apoptosis: inhibition of DNA laddering & caspase 3 activity by zinc supplementation in cultured HeLa cells'. *Indian J. Med. Res.* 129: 579-86.
- Varma-Basil, M., Pathak, R., Singh, K., Dwivedi, S.K.D., Garima, K., Kumar, S., Sharma, D., Dhiman, B. and Bose, M. 2010.** 'Direct early identification of *Mycobacterium tuberculosis* by PCR restriction fragment length polymorphism analysis from clinical samples'. *Jpn. J. Infect. Dis.* 63: 55-57.



**Vijayan, V.K. 2009.** 'Is the incidence of parasitic lung diseases increasing and how does may this affect modern Respiratory Medicine?' *Expert. Rev. Respir. Med.* 3: 339-44.

2010. 'Difficult asthma'. In: *Postgraduate Medicine: Contemporary Medicine-Challenges and Solutions* (Volume XXIV). (ed) Das, A.K. Mumbai: The Association of Physicians of India and Indian College of Physicians.

**Wattal, C., Raveendran, R., Kotwani, A., Sharma, A., Bhandari, S.K., Sorensen, T.L. and Holloway, K. 2009.** 'Establishing a new methodology for monitoring of antimicrobial resistance and use in the community in a resource poor-setting'. *J. Appl. Ther. Res.* 7: 37-45.

## FACULTY OF TECHNOLOGY

### CIVIL ENGINEERING

#### Ph.D. Degrees awarded

Ph.D. - 2

#### Seminars/Conferences attended

**Trivedi, A. Pathak, R. and Gupta, R:** 'Common collapse test for granular material', Indian Geotechnical Conference, February 2010.

#### Publications

**Gupta, R. and Trivedi, A. 2009.** 'Bearing capacity and settlement characteristic of footing resting on confined loose silty sands'. *Electronic Journal of Geotechnical Engineering USA*, 14(Bund-A): 1-14.

2009. 'Effects of non plastic fines on the behaviour of loose sand-An Experimental study'. *Electronic Journal of Geotechnical Engineering USA*, 14 (Bund-B): 1-14.

**Trivedi, A. 2010.** 'Strength and ditatancy of joint rocks'. *Int. Journal of Acta Geotechnica*, 5: 15-31.

### MECHANICAL ENGINEERING

#### Seminars/Conferences attended

**Prof. R.S. Mishra:** Session Chairman in the International Conference on Climate change, ITM Universe, Gwalior, MP, 10-12 November 2009.

Chairman in the International Conference on Issues and Challenges in Energy Conversion & Management at ITBHU, Varanasi, UP, 18-20 December 2009.

## Publications

**Kumar, A., Kachhwaha, S.S. and Mishra, R.S. 2010** 'Thermodynamic Analysis of a Regenerative Gas Turbine Cogeneration Plant', *J. Scientific and Industrial Research*, 69: 225-31.

**Agrawal, G., Kachhwaha, S.S. and Mishra, R.S. 2010.** 'Parametric Study of Induced Draft Counter Flow rectangular Cooling Tower Based on Energy Analysis', *J. Scientific and Industrial Research*, 69: 284-92.

**Kachhwaha, S.S., Jain, V. and Mishra, R.S. 2010.** 'Comparative Performance Study of Vapour Compression refrigeration System with R22/R134A/R410A/R407C/M20', *International J. of Energy and Environment*. 1(1): 69-78.

**Vipin, B.B. Arora and Mishra, R.S. 2009.** 'Tool life prediction model for heavy machine of cast steel material (En 6) with cemented carbide tools (P 40)'. *International Journal of Engineering Studies*, 1(4): 269-77.

**Madan, A.K. and Mishra, R.S. 2009.** 'Forecasting the academic results of students using artificial neural net works'. *The Indian Journal technical education*, 32(4): 68-76.

2009. 'A Fuzzy approach for Assessing Quality in technical education'. *Journal of Multi Engineering Technology*, 4(1): 19-33.

2009. 'Prediction of quality in technical education using Fuzzy Logic'. *Journal of Multi Engineering Technology*, 4(1): 47-79.

**Mishra, R.S. 2009.** 'Thermal performance of low cost plastic collectors for rural applications'. *Rasayan-2010*, pp. 7-12.

2010. 'Thermo economic optimization of thermal insulations', *Rasayan-2010*, pp. 3-12.

**Kachhwaha, S.S., Mishra, R.S. and Jain, V. 2010.** 'Comparative Performance Study of Refrigerants for Future RAC Applications', published in the Proceedings of XX National and IX International ISHMT-ASME Heat and Mass Transfer Conference at IIT Mumbai, 4-6 January 2010.

**Agrawal, G., Kachhwaha, S.S. and Mishra, R.S. 2009.** 'Parametric Study of Induced draft Counter Flow Colling Tower', published in the Proceedings of International Conference on Issues and Challenges in Energy Conversion & Management at ITBHU, Varanasi, UP.

**Kumar, A., Kachhwaha, S.S. and Mishra, R.S. 2009.** 'Thermodynamic Study of Gas Turbine Cogeneration Plant', published in the Proceedings of International Conference on Issues and Challenges in Energy Conversion & Management at ITBHU, Varanasi, UP, 18-20 December 2009.

**Mishra, R.S. 2009.** 'Thermal performance of low cost plastic collectors for rural applications', published in the Proceedings of International Conference on Issues and Challenges in Energy Conversion & Management at ITBHU, Varanasi, UP.

**2009.** ‘Thermal modeling of low cost thermal energy storage systems for space heating and crop dring’, published in the Proceedings of International Conference on Issues and Challenges in Energy Conversion & Management at ITBHU, Varanasi, UP.

**2009.** ‘Appropriate Technology for Sustainable Development’, published in the Proceedings of International Conference on Climate Change at ITM Universe Gwalior, MP.

‘Thermal analysis of low cost plastic collectors’, published in the Proceedings of International Conference on Climate Change at ITM Universe Gwalior, MP.

**Mishra, R.S. and Kachhwaha, S.S. 2009.** ‘Thermodynamic Analysis of Single Stage Water/Lithium Bromide Vapour Absorption Refrigeration System’, National Conference on Refrigeration and Air Conditioning, IIT Madras, Chennai, 7-8 June 2009.

**Mishra, R.S., Maji, A S. and Babu, M.G.K. 2010.** ‘An experimental investigation of ethanol gasoline Blends in an S I Engine’, Proc of International Conference on Bio-Fuel, 18-20 January 2010, pp. 174-87.

**2010.** *Experiments in Heat Mass and Momentum Transfer.* New Delhi: Arihant Prakashan.

## ELECTRICAL ENGINEERING

### Ph.D. Degrees awarded

Ph.D. - 2

### Seminars/Conferences attended

**Prof. Narender Kumar:** International Conference on Computer Applications in Electrical Engineering, Recent Advances, IIT Roorkee, 19-21 February 2010.

National Conference on Advances in Efficient Utilization of Electrical Energy, Bharti Vidyapeeth’s College of Engineering, Paschim Vihar, New Delhi, 5-6 March 2010.

National Conference on Emerging Trends in Power Systems & Energy Management, Lingaya’s University, 22-23 February 2010.

### Publications

**Bhowmick, S., Kumar, N. and Das, B. 2009.** ‘An Advanced IPFC Model to Reuse Newton Power-Flow Codes’, *IEEE Trans. on Power Systems*, 24(2): 525-32.

**Kumar, N. 2009.** ‘A New SVS Control Strategy for Damping Torsional Oscillations due to SSR in a Series Compensated Power System’, *Journal of the Institution of Engineers (India)*, Electrical Engineering Division, 90: 3-12.

**Kumar, N. and Hooda, V.P. 2010.** ‘Auxiliary Controlled SVS for Damping SSR in a Series Compensated Power system’, Proceedings of International Conference on Computer Applications in Electrical Engineering-Recent Advances, 19-21 February, Paper No. 527.

**Kumar, N. and Kumar, S. 2009.** 'Introduction to PSS and FACTS Controllers', Proceedings of National Conference on Recent Advances in Electrical and Electronics Engineering, December 23-24, NIT, Hamirpur, pp. 1-8.

**2010.** 'Exploring Benefits of FACTS Controllers in AC Transmission Systems', Proceedings of National Conference on Emerging Trends in Power Systems and Energy Management, Lingaya's University, Faridabad, 22-23 February, pp. 1-7.

**Kumar, N. and Kakkar, V. 2010.** 'Recent Philosophies on FACTS and D-FACTS', Proceedings of the National Conference on Advances in Efficient Utilization of Electrical Energy, Bharti Vidyapeeth's College of Engineering, Paschim Vihar, New Delhi, 5-6 March 2010.

## **FACULTY OF MATHEMATICAL SCIENCES**

### **COMPUTER SCIENCE**

#### **Major Activities**

The Department has a track record of 100% placement ever since the first batch of our MCA students passed out in 1985. The Department is making an effort to establish itself as a centre of excellence in research. At present the Department has about 43 Ph.D. students working in various areas. Research in the department is aimed at areas such as Artificial Intelligence, Parallel Computing, Databases, Data Mining, Software Engineering, Computer Graphics, Networking, Web Technologies, Information Security, Algorithms and Bioinformatics.

#### **Ph.D. Degrees awarded**

**Ph.D.**            -            **2**

#### **Honours/Distinctions**

Olly Gotel, Vidya Kulkarni, Moniphal Say, Christelle Scharff and Thanwadee Sunetnanta: Best Paper Award 'Quality Indicators on Global Software Development Project: Does 'Getting to Know You' Really Matter?', at the IV IEEE International Conference on Global Software Engineering, Limerick, Ireland, 13-16 July 2009.

#### **Seminars/Conferences held**

**Dr. Neelima Gupta:** Co-organized with DRDO Indocrypt 2009, New Delhi, India, 13-16 December 2009.

**Dr. Yogish Sabharwal:** Technical Seminar on 'Supercomputer and High Performance Computing', IBM Research, India, 15 April 2009.

**Dr. S.K. Muttoo:** Technical Seminar by Professor Ashok Kumar, Kentucky State University, USA, 30 June 2009.

**Ms. Kalpana Prakash:** Technical Seminar on 'Rich Internet Applications', 7 November 2009.

**Prof. Samir Khullar and Dr. Neelima Gupta:** Technical Seminar on 'Approximation Algorithms for Data Placement on Parallel Disks', University of Mary Land, USA, 12 May 2009.

#### **Seminars/Conferences attended**

**Dr. Punam Bedi:** UKIERI Project Design Workshop on 'Media and Animation' (for collaboration between Campus of Open Learning, Delhi University and Edinburgh's Telford College, Scotland), Edinburgh's Telford College, Scotland, 26-31 October 2009.

**Dr. Neelima Gupta:** Indo-US Cyber Security workshop, Kochi, India, 19-21 August 2009.

UKIERI Seminar and Workshop under Supported Blended Learning Project on 'Quality Matters: Applying the Principles to ODL and e-Learning', Conference Centre, Delhi University, 9-11 March 2010.

Indocrypt 2009, New Delhi, India, 13-16 December 2009.

Microsoft Research Symposium on 'Research and Innovation - The Keys to India's Future', Kamal Mahal, The Maurya, New Delhi, 24 July 2009.

'Scientific Colloquium', IIT Delhi, 2-3 February 2010.

ICM2CS 2009, JNU, New Delhi, 13-15 December 2009.

**Dr. Naveen Kumar:** ICM2CS 2009, JNU, New Delhi, 13-15 December 2009.

3rd International Conference on Pattern Recognition and Machine Intelligence (PreMI'09), IIT Delhi, 16-20 December 2009.

XII International Conference on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing (RSFDGrC'09), IIT Delhi, 15-18 December 2009.

**Dr. Punam Bedi:** UKIERI Seminar and Workshop under Supported Blended Learning Project on 'Quality Matters: Applying the Principles to ODL and e-Learning', Conference Centre, Delhi University, 9-11 March 2010.

Workshop on 'Information Literacy and Competency: An Orientation to the Web of Science', (organized by Delhi University Library System), Conference Centre, Delhi University, 23 February 2010.

UKIERI Workshop on 'Media and Animation' Training Programme, collaboration between Campus of Open Learning, Delhi University, and Edinburgh's Telford College, Scotland, Campus of Open Learning, Delhi University, 27-29 January 2010.

Training Programme on Adobe CS4 Web Premium, Conference Centre, Delhi University, 22-23 January 2010.

3rd International Conference on Pattern Recognition and Machine Intelligence (PreMI'09), IIT Delhi, 16-20 December 2009.

XII International Conference on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing (RSFDGrC'09), IIT Delhi, 15-18 December 2009.

MATLAB and Simulink for Engineering Education, The Park, Mantra Hall, New Delhi, 25 November 2009.

UKIERI Project Design Workshop on 'Media and Animation', collaboration between Campus of Open Learning, Delhi University, and Edinburgh's Telford College, Scotland, Delhi University, 23-25 September 2009.

Microsoft Research Symposium on 'Research and Innovation - The Keys to India's Future', Kamal Mahal, The Maurya, New Delhi, 24 July 2009.

**Dr. Neelima Gupta:** Academic Administration and Management, Delhi University, 21-23 January 2010.

CARE, IBM-IRL Collaborative Academia Research Exchange Programme, IBM Research India, Delhi, 26 October 2009.

**Dr. Vasudha Bhatnagar:** CARE, IBM-IRL Collaborative Academia Research Exchange Programme, IBM Research India, Delhi, 26 October 2009.

## **Publications**

**Olly Gotel, Kulkarni, V., Moniphal Say, Christelle Scharff and Thanwadee Sunetnanta, 2010.** 'Quality Indicators on Global Software Development Project: Does "Getting to Know You" Really Matter?', *Journal of Software Maintenance and Evolution: Research and Practice J. Softw. Maint. Evol. Res. Pract.* Published online in Wiley Inter Science ([www.interscience.wiley.com](http://www.interscience.wiley.com)) DOI: 10.1002/smr.474 ISSN: 1532-060X.

**Kulkarni, V., Christelle Scharff and Olly Gotel.** 2010. 'From Students to Software Engineer in the Indian IT Industry: A Survey of Training', In *Proceedings of IEEE International Conference on Software Engineering Education and Training (CSEE & T 2010)*, Pittsburgh, USA, 9-12 March 2010.

**Thanwadee, S., Gotel, O., Kulkarni, V., Say, M. and Scharff, C. 2009.** 'Role-Based Meets Problem-Based for Software Engineering Learning', In *Proceedings of International Conference on Higher Education and Research and Development: Looking Beyond Globalization*, Bangkok, Thailand, 9-11 July 2009.

**Olly Gotel, Kulkarni, V., Say, M., Scharff, C. and Thanwadee, S. 2009.** 'Distributing Responsibilities to Engineer Better Requirements: Leveraging Knowledge and Perspectives for students to Learn a Key Skill', IV International Workshop on 'Requirements Engineering Education and Training', UK, 31 August 2009.

- Bhatnagar, V., Kaur, S. and Gupta, N. 2009.** 'Identifying Informative Dimensions in Streaming Clusters', In *Proceedings of IEEE ICIS0.9*
- Gupta, N. and Agarwal, S. 2009.** 'Using Mutual Information for Biclustering High Dimensional Data', Poster Presentation, I-CARE, IBM-IRL Collaborative Academia Research Exchange Programme, IBM Research India, Delhi.
- Singhal, L., Jain, N., Gupta, G. and Gupta, N. 2009.** 'Discovering Maximal Subsequence Patterns in Sequence Database', International Conference on Methods and Models in Computer Science (ICM2CS09), JNU, New Delhi.
- Gupta, N. and Agarwal, S. 2009.** 'Modeling Biclustering as an optimization problem using Mutual Information', International Conference on Methods and Models in Computer Science (ICM2CS09) JNU, New Delhi.
- Bedi, P. and Chawla, S. 2010.** 'Agent based Information Retrieval System using Information Scent'. *Journal of Artificial Intelligence*. 3(4): 220-38.
- Gupta, B., Kaur, H. and Bedi, P. 2010.** 'A reputation based service provider selection system for farmers', *Journal of Information Assurance and Security*. 52010: 508-15.
- Bansal, R., Sehgal, P. and Bedi, P. 2010.** 'Effective Morphological Extraction of True Fingerprint Minutiae based on the Hit or Miss Transform', *International Journal of Biometrics and Bioinformatics(IJBB)*. 4(1): 1-16.
- Bedi, P., Kaur, H., Gupta, B., Talreja, J. and Sood, M. 2009.** 'A Website Recommender System based on Analysis of User's Access Log'. *Journal of Intelligent Systems, Special Issue on Recent Advances in Artificial Intelligence*. 18(4): 333-52.
- Bedi, P., Sharma, R. and Kaur, H. 2009.** 'Recommender system based on collaborative behavior of ants'. *Journal of Artificial Intelligence*. 2(2): 40-55.
- Gaur, V., Soni, A. and Bedi, P. 2010.** 'An agent-oriented approach to requirements engineering', in *Proceedings 2010 IEEE, 2nd International Advance Computing Conference*, 19-20 February 2010, India, pp. 449-54. USA: IEEE Press and IEEE Xplore.
2010. 'An application of multi-person Decision-making model for negotiating and prioritizing requirements in agent-oriented paradigm'. In *Proceedings DSDE'10 - International Conference on Data Storage and Data Engineering*, Bangalore, 9-10 February 2010, pp. 164-48. USA: IEEE Press and IEEE Xplore.
- Bedi, P., Banati, H. and Sharma, R. 2010.** 'Designing an intelligent e-learning environment by user interaction analysis'. In *Proceedings IHCI'10 - Second IEEE International Conference on Intelligent Human Computer Interaction*, IIIT Allahabad, 16-18 January 2010, pp. 372-77. Berlin Heidelberg: Springer-Verlag.
- Bedi, P., Banati, H. and Thukral, A. 2009.** 'Use of ontology for reusing web repositories for e-learning', In *Proceedings CISSE'09 - International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering*, University of Bridgeport, USA. Berlin Heidelberg: Springer-Verlag.

- Bedi, P. and Chawla, S. 2009.** 'Use of fuzzy rough set attribute reduction in high scent web page recommendations'. In *Proceedings RSFDGr'09-XII International Conference on Rough Sets, Fuzzy Sets, Data Mining and Granular Computing (LNAI 5908)*, Delhi, 15-18 December 2009, Berlin Heidelberg: Springer-Verlag, pp. 192-200.
- Gupta, B., Bedi, P. and Negi, H.K. 2009.** 'Using web mining to generate recommendations - A website recommender'. In *Proceedings IICAI'09 - IV Indian International Conference on Artificial Intelligence*, Tumkur, 16-18 December, pp. 333-49.
- Marwaha, S., Bedi, P., Yadav, R. and Malik, N. 2009.** 'Diseases & pests identification in crops - A semantic web approach'. In *Proceedings IICAI'09 - IV Indian International Conference on Artificial Intelligence*, Tumkur, 16-18 December, pp. 1057-76.
- Gupta, B., Bedi, P. and Negi, H.K. 2009.** 'Trust based personalized ecommerce system for farmers'. In *Proceedings IICAI'09-IV Indian International Conference on Artificial Intelligence*, Tumkur, 16-18 December, pp. 1085-93.
- Aakansha, and Bedi, P. 2009.** 'A self-organizing self-healing on demand loop-free path routing protocol using mobile process groups for MANet'. In *Proceedings ARTcom 2009 - Advances in Recent Technologies in Communications and Computing*, **Kottayam**, 27-28 October, pp. 396-400. USA: IEEE Xplore and IEEE CS Digital Library.
- Gandotra, Vandana, Singhal, A. and Bedi, P. 2009.** 'Threat mitigation, monitoring and management plan: An advance concept in risk management'. In *Proceedings ARTcom 2009 - Advances in Recent Technologies in Communications and Computing*, **Kottayam**, 27-28 October, pp. 719-23. USA: IEEE Xplore and IEEE CS Digital Library.
- Sharma, R. and Bedi, P. 2009.** 'Personalized tag recommendations to enhance users' perception'. In *Proceedings ARTcom 2009 - Advances in Recent Technologies in Communications and Computing*, **Kottayam**, 27-28 October 2009, USA: IEEE Xplore and IEEE CS Digital Library, pp. 944-47.
- Bedi, P., Gandotra, V., Singhal, A., Vats, V. and Mishra, N. 2009.** 'Avoiding threats using multi agent system planning for web based systems'. In *Proceedings ICCCI'09 - First International Conference on Computational Collective Intelligence-Semantic Web, Social Networks and Multiagent Systems (LNAI 5796)*, 5-7 October, Wroclaw, Berlin Heidelberg: Springer-Verlag, pp. 709-19.
- Gandotra, V., Singhal, A. and Bedi, P. 2009.** 'Identifying security requirements using hybrid technique'. In *Proceedings ICSEA'09 - IV International Conference on Software Engineering Advances*, Portugal, USA: IEEE Computer Society, 20-25 September, pp. 407-12.
- Bansal, R., Sehgal, P. and Bedi, P. 2009.** 'Fingerprint image enhancement using type-2 fuzzy Sets'. In *Proceedings FSKD'09 - the VI IEEE International Conference on Fuzzy Systems and Knowledge Discovery*, USA: IEEE Press, China, 14-16 August.



**Mehta, S., Banati, H. and Bedi, P. 2009.** 'BDI planning approach to distributed multiagent based semantic search engine'. In *Proceedings DCAI'09*-International Symposium on 'Distributed Computing and Artificial Intelligence', The X International Work-Conference on Artificial Neural Networks (IWANN2009) (Biological Inspired Systems. Computational and Ambient Intelligence), Berlin Heidelberg: Springer-Verlag, Spain, 10-12 June, pp. 25-28.

**Bhatnagar, V., Eman Zaman, Yayti Rajpal and Bhardwaj, M. 2010.** 'VisTree: Generic Decemperation Tree Inducer and Visualizer', VI Workshop on 'Databases in Networked Information Systems', University of Aizu, Japan, LNCS-5999, Springer-Verlag.

**Bhardwaj, M., Gupta, T., Grover, T. and Bhatnagar, V. 2009.** 'An Efficient Classifier Ensemble using SVM', In *Proceeding of International Conference on Methods and Models in Computer Science*, JNU, New Delhi.

**Kaur, S., Bhatnagar, V., Mehta, S. and Kapoor, S. 2009.** 'Categorizing Concepts for Detecting Drifts in Stream', In *Proceedings of XV International Conference on Management of Data (COMAD 2009)*, Mysore.

**Bhatnagar, V., Kaur, S. and Gupta, N. 2009.** 'Identifying Informative Dimensions in Streaming Clusters', In *Proceedings of IEEE ICIS 09*.

**Gupta, A., Bhatnagar, V. and Kumar, N. 2009.** 'Online minary closed ilements in Data Stream based on formed concepts analysis' Poster Presentation I-CARE, IBM-IRL Collaborative Academia Research Exchange Programme, IBM Research India, Delhi.

Annual Technical Festival Sankalan, February 2010.

**Bhatnagar, V. and Kaur, S. 2009.** 'Mining Streams using Grid based synopsis structure', Poster Presentation, I-CARE, IBM-IRL Collaborative Academia Research Exchange Programme, IBM Research India, Delhi.

## MATHEMATICS

### Major Activities

The Department of Mathematics is one of the four departments under the Faculty of Mathematical Sciences of Delhi University and has 19 faculty members. The faculty members conduct research in the following areas: Algebraic Topology, Coding Theory, Information Theory, Discrete Mathematics, Combinatorics, Applied Algebra, Group Rings, Combinatorial Group Theory, Real Analysis, Complex Analysis, Computational Fluid Mechanics, Functional Analysis and Operator Theory, Harmonic Analysis and Operator Algebras, Ordinary and Partial Differential Equations, Ring Theory, Numerical Analysis, and Fluid Dynamics. In a survey conducted by the Indian Institute of Technology, Kanpur, the Department of Mathematics is ranked fourth in all the departments of Mathematics/Institutes in India. This survey was based on publications by faculty members during the last ten years.

### **Ph.D. Degrees awarded**

Ph.D. - 16

M.Phil. - 23

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Harmonic Analysis and Operator spaces.	Prof. Ajay Kumar	DU
Arithmetic Average Discretization for Multi-dimensional Non-linear Wave Equations.	Prof. R.K. Mohanty	DU
Optimality and Well-Posedness Aspects of Vector Optimization.	Dr. C.S. Lalitha	DU

### **New Additions**

Dr. C.S. Lalitha	Mr. A. Zothansanga
Dr. Lalit Kumar	Dr. Kanchan Joshi
Dr. Arvind Patel	Dr. Tanvi Jain
Dr. Anupama Panigrahi	Dr. Atul Gaur

### **Appointment of faculty member to higher Posts/Assignments**

**Prof. Ajay Kumar:** Member of SAP Advisory Committee of Sardar Patel University, Gujarat.

### **Seminars/Conferences held**

National Meet on History of Mathematical Sciences, 7-9 January 2010.

Training Programme on Optimization Theory and Applications, 10-14 February 2010.

NBHM sponsored Advance Training programme for Lecturers on Real Analysis, 22 March-3 April 2010.

### **Seminars/Conferences attended**

All the faculty members participated in the National Meet on History of Mathematical Sciences, 7-9 January 2010.

**Prof. Ajay Kumar:** Delivered invited talk on 'Embedding into second duals of C<sup>\*</sup>-algebras' at Jammu Mathematical Society Conference, May 2009.

Participated in Conference on Advances in Mathematics: Focus on Women in Mathematics, Jawaharlal Nehru University, New Delhi, 5-7 October 2009.

**Dr. C.S. Lalitha:** Delivered invited talk on 'Optimality Criteria in terms of Weak Clarke Epiderivative for Set-Valued Optimization Problem', Indian Mathematical Society Conference, Kalasalingam University, Krishnankoil, Virudhnagar, Tamil Nadu, 27-30 December 2009.

Participated in Conference on Advances in Mathematics: Focus on Women in Mathematics, Jawaharlal Nehru University, New Delhi, 5-7 October 2009.

**Dr. Kanchen Joshi:** Attended and gave Invited talk on 'Prime Group Algebras' in the Conference on Advances in Mathematics: Focus on Women in Mathematics, at JNU, 5-7 October 2009.

### **Publications**

**Dass, B.K. 2009.** (jointly with Garg, P.), 'On 2-Repeated Burst Codes', *Ratio Mathematica – Journal of Applied Mathematics*, 19: 11-24.

**2009.** (jointly with Verma, R.), 'Repeated Burst Error Detecting Linear Codes', *Ratio Mathematica – Journal of Applied Mathematics*, 19: 25-30.

**2009.** (jointly with Berardi, L. and Verma, R.), 'On 2-Repeated Burst Error Detecting Codes', *Journal of Statistical Theory and Practice*, 3(2): 381-91.

**2010.** (jointly with Arora, R.), 'Codes Correcting Repeated Burst Errors Blockwise', *Applied Mathematical Sciences*, 4(49): 2405-16.

**Singh, T.B. 2010.** 'On  $Z_2$  and  $S_1$  free actions on spaces of cohomology type  $(a,b)$ ', (with Pedro L.Q. Pergher and Singh, H.K.) *Houston Journal of Math.* 36: 137-46.

**Chaudhary, A. and Kumar, A. 2009.** 'Boundary value problems in the upper half plane'. *Complex Variables and Elliptic Equations*, 54(5): 441-88, USA. Mathematical Reviews 2524139 (2010d:30054) Zentralblatt fur Mathematik 1166.30021.

**Kumar, A. and Prakash, R. 2009.** 'Mixed boundary value problem for inhomogeneous Poly-analytic-harmonic equation, More Progress in Analysis', *Proceedings of the 5<sup>th</sup> International ISAAC Congress*, Catania (eds) Begehr, H. and Niolosi, F., Singapore: World Scientific, 149-1161.

**Begehr, H., Chaudhary, A. and Kumar, A. 2010.** 'Bi-polyanalytic functions in the upper half'. *Complex Variables and Elliptic Equations*, 55: 305-16, USA.

**Chaudhary, A. and Kumar, A. 2010.** 'Mixed Boundary value problems in the upper half plane'. *Journal of Applied Functional Analysis*, 5: 209-20, USA.

**Kumar, A. and Mishra, M.M. 2010.** 'Green's functions on the Heisenberg Group. Analysis', *International Mathematical Journal of Analysis and its Applications*, 30: 147-55, Germany.

- Mohanty, R.K. and Jain, M.K. 2009.** 'High Accuracy Cubic Spline Alternating Group Explicit Methods for 1D Quasi-linear Parabolic Equations', *International Journal of Computer Mathematics*, 86: 1556-71.
- Mohanty, R.K. 2009.** 'A Variable Mesh C-SPLAGE Method of Accuracy for 1D Nonlinear Parabolic Equations', *Applied Mathematics and Computations*, 213: 79-91.
- 2009.** 'New Unconditionally Stable Difference Schemes for the Solution of Multi-dimensional Telegraphic Equations', *International Journal of Computer Mathematics*, 86: 2061-71.
- Mohanty, R.K. and Dhall, D. 2009.** 'Third Order Accurate Variable Mesh Discretization and Application of TAGE Iterative Method for the Non-linear Two-point Boundary Value Problems with Homogeneous Functions in Integral Form', *Applied Mathematics and Computations*, 215: 2024-34.
- Singh, S., Khattar D. and Mohanty, R.K. 2009.** 'A New Coupled Approach High Accuracy Numerical Method for the Solution of 2D Non-linear Biharmonic Equations', *Neural Parallel and Scientific Computations*, 17: 239-56.
- Khattar, D., Singh, S. and Mohanty, R.K. 2009.** 'A New Coupled Approach High Accuracy Numerical Method for the Solution of 3D Non-linear Biharmonic Equations', *Applied Mathematics and Computations*, 215: 3036-44.
- Mohanty, R.K. 2010.** 'A New High Accuracy Finite Difference Discretization for the Solution of 2D Non-linear Biharmonic Equations Using Coupled Approach', *Numerical Methods for Partial Differential Equations*, 26: 931-44.
- 2010.** 'On the Use of AGE Algorithm with a New High Accuracy Numerov type Variable Mesh Discretization for 1D Non-linear Parabolic Equations', *Numerical Algorithms*, 54: 379-93.
- 2010.** 'Application of AGE Method to High Accuracy Variable Mesh Arithmetic Average type Discretization for 1D Non-linear Parabolic Initial Boundary Value Problems', *International Journal for Computational Methods in Engineering Science & Mechanics*, 11: 133-41.
- Lalitha, C.S. and Bhatia, G. 2010.** 'Well-Posedness for Parametric Quasi-variational Inequality Problems with Set-Valued Maps and for Optimization Problems with Parametric Quasivariational Inequality Constraints', *Optimization* (online DOI: 10.1080/02331930902878358.)
- Lalitha, C.S. 2010.** 'A Note on Duality of Generalized Equilibrium Problem', *Optimization Letters*, 4: 57-66.
- 2010.** 'A New Augmented Lagrangian Approach to Duality and Exact Penalization', *Journal of Global Optimization* 46: 223-45.

**Lalitha, C.S. and Arora, R. 2009.** 'Proper Clarke Epiderivative in Set-Valued Optimization', *Taiwanese Journal of Mathematics*, 13: 1695-1710.

**Lalitha, C.S. and Bhatia, G. 2009.** 'On Well-Posedness for Variational Inequality Problems with Generalized Monotone Set-Valued Maps', *Numerical Functional Analysis and Optimization* 30: 548-65.

**2009.** 'Duality in e-Variational Inequality Problems', *Journal of Mathematical Analysis and Applications*, 356: 168-78.

**Lalitha, C.S. and Mehta, M. 2009.** 'Characterisations of Solution Sets of Mathematical Programs in Terms of Lagrange Multipliers', *Optimization*, 58: 885-1007.

**Joshi, K. 2009.** 'Prime Group Rings', *Journal of Algebra and its Applications*, 8(6): 797-803, World Scientific Publishing Company (jointly with Sharma, R.K. and Srivastava, J.B.).

## OPERATIONAL RESEARCH

### Major Activities

The Department of Operational Research is a key educational and research unit of Delhi University. The thrust of the Department, besides regular teaching and research, is to have greater industry interaction to make industry informative and reactive to the subject of Operational Research.

Seminars are being regularly organized in the Department wherein industry leaders/ managers are sharing their decision-making problems and experiences with the students and faculty. The curriculum of the Department is regularly updated to meet the challenges of complex decision-making in the business environment.

Research in the Department is targeted towards meeting the challenges of the information-driven, process-oriented competitive industrial environment. Faculty research in the Department is aimed at exploring fundamentals and applications in the following broad areas:

(i) Mathematical Programming, (ii) Software and Hardware Reliability, (iii) Queueing Theory, (iv) Inventory Management, (v) Marketing Engineering, (vi) Optimization, (vii) Supply Chain Management and (viii) Soft Computing.

In most instances, research is conducted in multi-disciplinary application areas. Faculty members have published a number of papers in journals of national and international repute and delivered invited talks at various forums in their respective areas.

### Ph.D./M.Phil Degrees awarded

Ph.D.	-	5
M.Phil.	-	13

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Mathematical Modeling of Quantitative Software Quality Assessment: A Unified Approach.	Prof. P.K. Kapur	DST
On the Development of Generalized Discrete Unified Framework for Software reliability Models.	Prof. P.K. Kapur	DRDO
On the Development of General Framework for Testing Effort Dependent Software Reliability Growth Models.	Prof. P.K. Kapur	DU
Waiting Time Distribution of Patterns Occurrences in a Sequence of Trials: An Embedding Markov Chain Approach.	Prof.(Ms.) Manju Lata Agarwal	R&D
Reliability Analysis of Consecutive-k-Systems and their Generalizations.	Prof. (Ms.) Manju Lata Agarwal	UGC
Impact of Inspection Policy and Lead Time Reduction on Integrated Vendor-Buyer Inventory System.	Dr. K.K. Aggarwal	DU

## Honours/Distinctions

**Prof. P.K. Kapur:** Received certificate of award from the organizing committee of XXIII International Conference of Jangjeon, Shahid Chamran University, Ahvaz-Iran, for his outstanding contribution as an author and researcher in the field of Hardware and Software Reliability.

## Seminars/Conferences held

IV International Conference on Quality Reliability and Infocom Technology, Conference Centre, Delhi University, 18-20 December 2009.

Workshop on 'Mathematical Modelling and Related Optimization Techniques', Conference Centre, Delhi University, 14-17 December 2009.

## Seminars/Conferences attended

Invited to deliver a keynote speech at XXIII International Conference of the Jangajeon Mathematical Society, at Department of Mathematics, Shahid Chamran University of Ahvaz, Iran, 8-10 February 2010.

Delivered an invited talk on 'On the Development of Discrete Software Reliability Growth Modeling', Fourth International Conference on Quality Reliability and Infocom Technology, Conference Centre, Delhi University, 18-20 December 2009.

Delivered an invited talk on 'Unification Scheme in Software Reliability Growth Modeling', XI National Conference of Indian Society of Information Theory and Applications, Guru Gobind Singh Khalsa College, Sarhali, Tarn Taran, 24-26 October 2009.

**Prof. (Ms.) Manju Lata Agarwal:** International Conference on Statistics, Probability, Operations Research, Computer Science and Allied Areas in Conjunction with VIII International Indian Statistical Association Joint Statistical Meeting and XXIX Annual Convention of Indian Society for Probability and Statistics, Andhra University, Visakhapatnam, 4-8 January 2010.

Chaired a technical session and presented the following papers:

**Prof. (Ms.) Manju Lata Agarwal and K. Sen:** 'Waiting Time Distribution for Pattern Occurrence in Binary (D,K)-Sequence: Generating Function Approach'.

**Prof. (Ms.) Manju Lata Agarwal, K. Sen and P. Mohan:** 'Waiting Time Distributions of Patterns Involving Markov-Dependent Trials: GERT Approach'.

VIII International Conference on Reliability, Maintainability and Safety (ICRMS 2009), Chengdu, China, 20-24 July 2009. Chaired a technical session and presented the following papers :

**Vikas K. Sharma and M. Agarwal:** 'Ant Colony Optimization Approach to Heterogenous Redundancy in Multi-State Systems with Multi-State Components'. In the *Proceedings of the 8th International Conference on Reliability, Maintainability and Safety (ICRMS' 2009)*, (eds) Kang, R., Huang, H.Z., Zuo, M.J. and Miao, Q. Chengdu, China, 20-24 July 2009, Vol. 1, pp. 116-21, (IEEE Catalog Number: CFP 0962H-PRT), ISBN: 978-1-4244-4903-3.

**P. Mohan, M. Agarwal and K. Sen.** 'Reliability Analysis of Sparsely Connected Consecutive-k Systems: GERT Approach'. In the *Proceedings of the 8th International Conference on Reliability, Maintainability and Safety (ICRMS 2009)*, (eds) Kang, R., Huang, H.Z., Zuo, M.J. and Miao, Q. Chengdu, China, 20-24 July 2009, Vol. 1, 116-21, (IEEE Catalog Number: CFP 0962H-PRT), ISBN: 978-1-4244-4903-3.

**Dr. Chandra K. Jaggi:** Delivered an Invited Talk on 'Trade Credit's Influence On Inventory Policies' at XXIII International Conference of Jangjeon Mathematical Society (IJMS-2010) at Shahid Chamran University of Ahvaz, Iran, 8-10 February 2010.

Chaired a contributed session on 'Mathematical Modeling and Optimisation – 3' and also presented a paper at IV International Conference on Quality, Reliability & Infocom Technology, Delhi University, 18-20 December 2009.

Delivered an Invited Talk on 'Inventory Management' in Workshop on 'Mathematical Modeling and Related Optimisation Techniques' at Delhi University, 14-17 December 2009.

Chaired two contributed sessions and also presented a paper at VIII Triennial Conference of Asia Pacific Operational Research Societies (APORS) Conference, at Jaipur, 6-9 December 2009.

Delivered an Invited Talk on 'Inventory Modelling under Trade Credit' in Workshop on 'Optimisation Techniques and Their Applications to Various Disciplines' at Guru Gobind Singh Khalsa College, Sarhali, Tarn Taran, 19-23 October 2009.

Delivered an Invited Talk on 'Inventory Management' in National Seminar-cum-Workshop on 'Operational Research in Hospital Administration' at All India Institute of Medical Sciences, New Delhi, 7-8 August 2009.

**Dr. K.K. Aggarwal:** Attended and presented paper entitled 'Economic Order Quantity for Items with Imperfect Quality and Stock Dependent Demand' in the IV International Conference on Quality Reliability & Infocom Technology (ICQRIT) at Delhi University, 18-20 December 2009.

Attended Indo-European Conference on Quality Assurance in Higher Education at Conference Centre, Delhi University, 6-7 May 2010.

## **Publications**

### ***Book Chapter (Contributed)***

**Kapur, P.K. 2009.** Contributed a chapter 'Contributions to Software Reliability with OR Applications' in *Wiley Encyclopedia of Operations Research and Management Science*, John Wiley & Sons.

### ***Research Articles in Scholarly Journals***

**Agarwal, M. and Sharma, V.K. 2010.** 'Ant colony approach to constrained redundancy optimisation in binary systems'. *Applied Mathematical Modelling*. 34 (4): 992-1003.

2009. 'Ant colony optimization algorithm for heterogenous redundancy allocation in multi-state series-parallel systems'. *International Journal of Reliability, Quality and Safety Engineering*. 16(2): 163-86.

**Aggarwal, S. and Agarwal, M. 2010.** 'A heuristic approach for multi-state systems redundancy optimisation'. *International Journal of Material and Structural Reliability*. 8(1): 47-60.

**Borkakaty, B., Agarwal, M. and Sen, K. 2010.** 'Lattice path approach for busy period density of  $GI^a/G^b/1$  queues using  $C_2$  coxian distributions'. *Applied Mathematical Modelling*. 34(6): 1597-1614.

**Borkakaty, B., Sen, K. and Agarwal, M. 2009.** 'Busy period analysis of  $C2/C2b/1$  queue: lattice path approach'. *Mathematical and Computer Modelling*. 50(7-8): 1067-82.



- Jaggi, C. K., Aggarwal, K.K. and Verma, P. 2010.** 'Inventory and pricing strategies for deteriorating items with limited capacity and time-proportional backlogging rate'. *International Journal of Operational Research (IJOR)*, Inderscience Publishers. 8(3): 331-54.
- 2010.** 'Two-warehouse inventory model for deteriorating items when demand is price sensitive'. *International Journal of Operational Research (IJOR)*. 7(4): 530-51.
- Jaggi, C.K., Aggarwal, K.K. and Verma, M. 2010.** 'Allocation game in a single period supply chain model'. *Revista Investigación Operacional, Cuba*. 31(2): 95-104.
- Jaggi, C.K. and Verma, P. 2010.** 'An optimal replenishment policy for non-instantaneous deteriorating items with two storage facilities'. *International Journal of Services Operations and Informatics (IJSOI)*. 5(3): 209-30.
- Jaggi, C.K., Kapur, P.K. and Verma, P. 2010.** 'An EPQ model for two echelon trade credit in a supply chain when end demand is credit sensitive'. *International Journal of Logistics & Supply Chain Management (IJLSCM)*. 1(2): 1-8.
- Jaggi, C.K. and Arneja, N. 2010.** 'Periodic inventory model with unstable lead-time and setup cost with backorder discount'. *International Journal of Applied Decision Sciences (IJADS)*. 3(1): 53-73.
- Jaggi, C.K. and Verma, P. 2010.** 'A deterministic order level inventory model for deteriorating items with two storage facilities under FIFO dispatching policy'. *International Journal of Procurement Management (IJPM)*. 3(3): 265-78.
- 2010.** 'Two-warehouse inventory model for deteriorating items with linear trend in demand and shortages under inflationary conditions'. *International Journal of Procurement Management (IJPM)*. 3(1): 54-71.
- Jaggi, C.K. and Verma, M. 2009.** 'Retailer's ordering policy for deteriorating items in a supply chain with varying deterioration rates'. *International Journal Advanced Operations Management (IJAOM)*. 1(2/3): 250-66.
- Jaggi, C.K. and Khanna, A. 2010.** 'Supply chain model for deteriorating items with stock-dependent consumption rate and shortages under inflation and permissible delay in payment'. *International Journal of Mathematics in Operational Research (IJMOR)*. 2(4): 491-514.
- 2009.** 'Retailer's ordering policy for deteriorating items with inflation induced demand under trade credit policy'. *International Journal of Operational Research (IJOR)*. 6(3): 360-79.
- Jaggi, C.K. and Kausar, A. 2009.** 'Inventory decisions for deteriorating items under two-stage trade credit with credit period induced demand'. *International Journal Applied Decision Sciences (IJADS)*. 2(1): 74-86.

- Jaggi, C.K. and Khanna, A. 2009.** 'The retailer's procurement policy with credit-linked demand under inflationary conditions'. *International Journal of Procurement Management (IJPM)*. 2(2): 163-79.
- Jha, P.C., Gupta, D., Yang, B. and Kapur, P.K. 2009.** 'Optimal testing-resource allocation during module testing considering cost, testing effort and reliability'. *Computers & Industrial Engineering*. 57: 1122-30.
- Kapur, P.K., Garg, R.B., Chanda, U. and Tandon, A. 2010.** 'Development of software reliability growth model incorporating enhancement of features and related release policy'. *International Journal of Systems Assurance Engineering and Management*. 1: 49-62.
- Kapur, P.K., Garg, R.B., Aggarwal, A.G. and Tandon, A. 2009.** 'General framework for change point problem in software reliability and related release time problem'. *International Journal of Reliability, Quality and Safety Engineering*. 16(6): 567-79.
- Kapur, P.K., Aggarwal, A.G., Kapoor, K. and Kaur, G. 2009.** 'Optimal testing resource allocation for modular software considering cost, testing effort and reliability using genetic algorithm'. *International Journal of Reliability, Quality and Safety Engineering*. 16(6): 495-508.
- Kapur, P.K., Shatnawi, O., Aggarwal, A.G. and Kumar, R. 2009.** 'Unified framework for developing testing effort dependent software reliability growth models'. *Wseas Transactions*. 4(8): 521-31.
- Kapur, P.K., Aggarwal, A.G. and Anand, S. 2009.** 'A new insight into software reliability growth modeling'. *International Journal of Performability Engineering*. 5(3): 267-74.
- Mohan, P., Agarwal, M. and Sen, K. 2009.** 'Combined m-consecutive-k-out-of-n: F system and consecutive  $k_c$ -out-of-n: F systems. IEEE Trans'. *On Reliability*. 58(2): 328-37.
- Shah, N.H. and Jaggi, C.K. 2010.** 'A production – inventory model in a supply chain with imperfect production process and exponential deterioration of units'. *Journal of IMS Group* (Special issue on 'Supply Chain & Logistics Management'). 7(1): 43-51.
- Srivastava, P.W. and Mittal, N. 2010.** 'Optimum step-stress partially accelerated life tests for truncated logistic distribution with type-I and type-II censoring'. *Applied Mathematical Modeling*. 34(10): 3166-78.
- Srivastava, P.W. and Shukla, R. 2009.** 'Optimum simple ramp test for the log-logistic distribution with censoring'. *Journal of Risk and Reliability*. 223(4): 373-79.

## Communications to Symposia/Seminars/Conferences

**Kapur, P.K., Agarwal, A. G., Kumar, J. and Kumar, R. 2009.** 'On Unification Schemes for Quantitative Software Quality Assessment', Communications Dependability and Quality Management, International Conference Dependability and Quality Management ICDQM-2009, Belgrade, Serbia, 25-26 June, pp. 77-95.

**Kapur, P.K., Garg, R.B., Aggarwal, A.G. and Tandon, A. 2010.** 'Two Dimensional flexible Software Reliability Growth Model and Release Policy', Published in the *Proceedings of 4th National Conference on Computing for Nation Development-INDIACom-2010*, New Delhi, 25-26 February, pp. 431-38.

## STATISTICS

### Major Activities

The Department of Statistics which primarily focuses on three degree-oriented academic programmes, viz. M.A./M.Sc., M.Phil. and Ph.D. pursues, at the M.A./M.Sc. level, a syllabus that incorporates and embodies topical, emerging and core areas embracing and encompassing diverse facets of statistical science. It is undertaking, conducting and bringing out research work in a variety of statistical fields. The Department provides the latest computing facilities via its two well-equipped fully computerized laboratories which are geared to cater to the needs and requirements of the students and researchers. The Department has organized from time to time special invited talks by eminent persons from India and abroad. Distinguished professors from abroad visited the Department to deliver research talks and interact with the faculty and students. The Department has, via its 'Summer Training' and 'Campus Placement' programmes, achieved tangible success in tapping opportunities to pave the way for suitable placement of its students with attractive salary packages in reputed national and international companies/organizations.

### Ph.D./M.Phil. Degrees awarded

Ph.D.	-	1
M.Phil.	-	5

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Some Contributions to Progressive Type-II Right Censored Order Statistics.	Prof. Jagdish Saran	DU
Classical Bayesian and Sequential Inferential Procedures for Some Reliability Models.	Dr. Ajit Chaturvedi	DU
Optimal and Efficient Designs for Mixture Experiments.	Dr. (Mrs.) Poonam Singh	DU

### **Seminars/Conferences attended**

**Prof. Jagdish Saran:** Participated in IV International Conference on Quality, Reliability and Infocom Technology, Delhi University, 18-20 December 2009.

Participated in National Workshop on 'Integrating Mathematical Science and Spirituality', Delhi University, 21-23 December 2009.

Participated in National Meet on History of Mathematical Sciences, Delhi University, 7-9 January 2010.

### **Publications**

**Aggarwal, M.L., Singh, P., Sarin, V. and Husain, B. 2009.** 'Mixture Designs in orthogonal blocks using F-squares'. *Metron*, 67(2): 105-28.

**Chaturvedi, A., Chauhan, K. and Alam, Md. Wasi. 2009.** 'Estimation of the reliability function for a family of lifetime distributions under type I and type II censorings'. *Journal of Reliability and Statistical Studies*, 2(2): 11-30.

**Chaturvedi, A. and Sharma, V. 2010.** 'A note on the estimation of  $P(Y>X)$  in two-parameter exponential distributions'. *Statistics*, 44(1): 73-5.

**Grover, G. and Sabharwal, A. 2009.** 'A parametric approach to estimate survival time of diabetic nephropathy with left truncated and right censored data'. *Journal of Applied Statistical Science*, 17(2), ISSN 1067-5817.

**Grover, G., Godpayle, A.K. and Sabharwal, A. 2009.** 'Identifying patients with diabetic nephropathy based on serum creatinine under zero truncated model'. *Electronic Journal of Applied Statistical Analysis*, 28-43, ISSN 2070-5948.

**Grover, G. and Makhija, N. 2009.** 'On the estimation of survival and death probabilities under myocardial infarctions in the presence of competing risks based on an illness-death model'. *Journal of Communicable Diseases*, 42: 1-17, ISSN 0019-5138.

**Grover, G. and Dutta, R. 2009.** 'Survival analysis of acute myocardial infarction patients using non-parametric and parametric approaches'. *Electronic Journal of Applied Statistical Analysis*, 1: 22-36, ISSN 2070-5948.

**Grover, G., Gadpayle, A.K. and Dutta, R. 2009.** 'A study of cardiovascular risk factors in Delhi, India'. *Journal of Communicable Diseases*, 2: 71-80, ISSN 0019-5138.

**Gupta, V.K., Singh, P., Kole, B. and Prasad, R. 2009.** 'Construction of efficient unbalanced mixed-level supersaturated designs'. *Statistics and Probability Letters*, 79: 2359-66.

**Gupta, V.K., Singh, P., Kole, B. and Prasad, R. 2009.** 'Construction of optimal mixed-level supersaturated designs'. *Journal of Indian Society of Agricultural Statistics*, 63: 117-22.

**2010.** 'Addition of runs to a two level supersaturated design'. *Journal of Statistical Planning and Inference*, 140: 2531-35.

**Saran, J. and Pandey, A. 2009.** 'Recurrence relations for marginal and joint moment generating functions of generalized order statistics from generalized exponential distribution'. *Journal of Applied Statistical Science*, 17(1): 13-24.

**2009.** 'Recurrence relations for single and product moments of generalized order statistics from linear-exponential and Burr distributions'. *Journal of Statistical Theory and Applications*, 8(3): 383-91.

**Saran, J. and Pushkarna, N. 2010.** 'Moments of order statistics from a general class of doubly truncated continuous distributions'. *Pakistan Journal of Statistics*, 26(2): 327-37.

**Saran, J. and Singh, S.K. 2010.** 'Some general identities among single moments of order statistics'. *Asian Journal of Mathematics and Statistics*, 3(1): 25-32.

**Saran, J. and Pandey, A. 2010.** 'Concomitants of record values from Marshall and Olkin's bivariate exponential distributions'. *International Journal of Statistical Sciences*, 10: 21-28.

## FACULTY OF MANAGEMENT STUDIES

### BUSINESS MANAGEMENT AND INDUSTRIAL ADMINISTRATION

#### Major Activities

Since 1954, as one of the pioneering institutions of management education in India, the Faculty of Management Studies has developed a distinct brand equity. Over the years, students from FMS have gone on to lead people in the business environment with their vision, knowledge and potential to thrive in a dynamic ever-changing environment.

- Organizing international interfaces by FMS at Pondicherry.
- Lectures by Hony Adjunct Professor A.P.J. Abdul Kalam
- Visit of many dignitaries in the campus, including Nobel Laureates
- Participation of Faculty Members in Colloquiums in Harvard Business School.
- Semester-wise hosting of International Students from France and Fulbright Professor from USA.
- Subscription to many e-journals, databases, purchase of laptops for all faculty members.
- 100% placement despite difficult market conditions.
- Winning many awards in B-School Competitions, including International Awards.

#### Ph.D. Degrees awarded

Ph.D. - 9

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Financial Crisis and Food Security in India.	Dr. Simrit Kaur	FAO
Issues Concerning Food Security.	Dr. Simrit Kaur	FOGAR
Agricultural Policies in India, 2006-08.	Dr. Simrit Kaur	OECD

## Honours/Distinctions

**Dr. Kavita Singh:** Appointed member of the Editorial Board of the *International Journal of Business and Management Sciences: A XXI Century Journal of Decision and Management Sciences*. Print ISSN 1837-6614, Online ISSN 1985-692X.

## Seminars/Conferences attended

**Dr. Simrit Kaur:** Paper on Social Safety nets accepted for presentation at the Inaugural Conference of the Courant Research Centre-‘Poverty, Equity and Growth’-at Gottingen, Germany, 1-4 July 2009.

Paper on ‘Dynamics of Human Capability and Economic Freedom’, selected for the New Directions in Welfare Conference at St. Catherine’s College, Oxford University, Oxford, 29 June-1 July 2009.

Invited to speak on ‘Short-term responses to higher food prices’ at the OECD Global Forum on Agriculture, Paris, France, 29-30 June 2009.

Paper on Social Safety Nets, Economic Freedom and Public Policy accepted for presentation at the Annual International Conference on Development Economics and Policy, the University of Frankfurt, Germany, 26-27 June 2009.

Presented a paper on Food Security at Universitas at Edinbrugh, Scotland, 21 November 2009.

**Dr. Pankaj Sinha:** Attended a workshop, ‘Case Writing and Case Teaching Workshop’ at ISB, Bombay, 1-4 October 2009.

**Dr. Mala Sinha:** Attended Conference on Leadership Ethos derived from Vedic Thought, Indian Academy of Management, 28-30 December 2009.

**Dr. Harsh Vardhan Verma:** Attended GCPCL at Harvard Business School, Boston, USA, 26 July-5 August 2009.

**Dr. Harsh Vardhan Verma, Dr. Anupama Vohra, Dr. Mala Sinha, Dr. A. Venkat Raman and Prof. Madhu Vij:** Attended GCPCL organized by Harvard Business School, 9-12 February 2010.

**Dr. Pritam Khandelwal:** Attended Indian Academic of Management Inaugural Conference, at XLRI School of Business and Human Resource, Jamshedpur, 28-31 December 2009.

Attended 10,000 Women Programme: Tools for Growing Your Business, IIT, Bangalore, 31 October- 2-3 November 2009.

**Dr. Sunil Sharma:** Attended International Conference on Management at IIM Bangalore, 20-23 December 2009.

**Dr. A. Venkat Raman:** Attended a meeting of PAMC(DST,GOL), Bangalore 21-22 December 2009.

## **Publications**

### **Books**

**Kaur, S. 2009.** *Economic Freedom for States of India, 2008* (with Kaushik, P.D.), New Delhi: Academic Foundation.

**Singhania, M.** Income Tax with Mini Ready Reckonor.

Corporate Tax Planning & Business Tax Procedures.

Students Guide to Income Tax.

**Singh, K. 2009.** *Organisation Behaviour: Text and Cases.* New Delhi: Pearson Education.

Counselling Skills for Managers

*Organization Change and Development*, 2nd edition. New Delhi: Excel Publications.

### **Report**

**Kaur, S. 2009.** 'Competition Policies in the Passenger Road Transportation Sector', Competition Commission of India, Government of India.

### **Papers**

**Kaur, S.** 'Financial Crisis and Food Security in India'.

'Food Security Strategies for States of India: Implications for Involving the Local Bodies'.

'State of Food Insecurity in India'.

'The Role of the Indian Government in Tackling Food Insecurity'.

Social Safety Nets.

Dynamics of Human Capabilities and Economic Freedom.

Short-term Responses to Higher Food Prices.

Social Safety Nets, Economic Freedom and Public Policy.

**Sinha, P:** International Research Journal of Finance and Economics 2010, issue 38.

Journal of Applied Economics Science 2009, 4, 2(8): 273-81.

Journal of Applied Statistics, 35, 203-11.

Journal of Prediction Markets, 2(3): 47-59.

### **Articles**

**Kaur, S.** 'Prospects of Non-Farm Employment and Welfare in Rural Areas'.

'Post-Election India: the New Tiger Beyond the Global Downturn'.

'India's Growth in the second Millenium: Assessment and Challenges'.

'Economic Freedom, Larger Freedom and Public Policy'.

### **Working Paper**

**Sinha, P:** 'Volatility Spillover in India, USA and Japan Investigation of Recession Effects.'

'Robustness of Bavesian results for Inverse Gaussian distribution under ML-II •-contaminated and Edgeworth Series Class of prior distributions.'

### **Research Projects/Paper Published**

**Singh, K.** 'Impact of Emotional Intelligence on Organisational Work Life'.

'Developing Human by Linking Emotional Intelligence with Personal Competencies in Indian Business Organisations'.

'International Journal of Organisations and Markets in Emerging Economics'.

### **Paper Presentation**

**Singh, K.** 'Women Empowerment in Corporate world'.

'Liberal Education and Management'.

'Differences in the Male Female Perception of Status of Empowerment in Indian Business Organization'.

'Relationship between Individual Learning and Empowerment'.

'Intergrating Spirituality with Mathematical Sciences'.

Strategy and Organisation.

## **FACULTY OF INTER-DISCIPLINARY AND APPLIED SCIENCES**

### **BIOCHEMISTRY**

#### **Major Activities**

Prof. Anil K. Tyagi's group has developed several new candidate vaccines against tuberculosis. Some of these show unprecedented improvement over BCG in the guinea pig model of experimental tuberculosis. On the basis of results obtained from the animal studies, the candidate vaccines against TB developed in Professor Tyagi's laboratory have been recommended for human clinical trials.



Dr. Chaudhary's group has developed a rapid test (*TBconfirm*) to confirm the presence of tuberculosis causing bacterium, *M. tuberculosis*. Currently, this test is being evaluated at 5 different sites in India. The technology is being transferred to a leading Indian Diagnostics manufacturing company.

Prof. P.C. Ghosh's group has developed a formulation of liposomes, which specifically adsorbed on the surface of human epidermoid carcinoma (KB) cells and delivered biologically active molecules to cytosol of these cells. He has demonstrated that properly selected surface electrostatic charge and length and density of grafted DSPE-mPEG can alter not only the association of liposomes but also the delivery of biologically active molecules to human epidermoid carcinoma (KB) cells. These studies showed that the interaction of liposomes with human epidermoid carcinoma cells could be tuned by a proper combination of liposomes surface electrostatics and surface grafted polymer.

Prof. Debi P. Sarkar's group has developed a technique for packaging DNA of interest in proteoliposomes containing the F-glycoprotein of the Sendai virus (FPL) for targeted delivery to cytosol of hepatocytes bypassing the endosomal pathway. He has demonstrated that this technique can be used for delivery of gene and shRNA for the treatment of Crigler-Najjar syndrome and Hepatitis C virus infection. He has also demonstrated that two distinct signalling pathways are involved in modulating Sendai virus – cell and cell-cell fusion.

Dr. Suman Kundu's group has modelled the first ever three-dimensional structure of Dopamine beta-hydroxylase. The structure conforms very well to known biochemical data. Several SNPs have been mapped on to the structure and testable hypotheses have been forwarded as to their influence on the structure-function relationship of the protein. The structure has set up a platform for *in silico* screening of drugs. He has initiated a new journal called *Journal of Proteins and Proteomics* and published the first issue as Chief Editor.

Dr. Alo Nag's group has demonstrated for the first time that the coactivator human ADA3 undergoes sumoylation which in turn help in maintaining the level of hADA3 in mammalian cells. Her group is also trying to elucidate the molecular mechanism of human papilloma virus oncoprotein -E6 mediated degradation of the co-activator human ADA3. These findings show that post-translational modification of hADA3 may play a key role in HPV infection.

Dr. Suneel Kateriya's lab had isolated several light-sensitive proteins for modulating activity of neural systems. They have also developed photoactivated cyclase for controlling secondary messenger mediated signalling of the cell. They are exploring possible applications of these light sensitive proteins in medical and biotechnology fields.

### **Ph.D. Degrees awarded**

Ph.D. - 2

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
rBCG85C – a candidate TB vaccine: Removal of antibiotic resistance marker, modifications for stabilization of antigen expression and efficacy studies.	Prof. Anil K. Tyagi	DBT
Delivery of anti-malarial drugs using vesicular carrier for the treatment of malaria.	Prof. P.C. Ghosh	DU/DST-Purse Grant
Solid lipid nanoparticles mediated delivery of antimalarial and anti-cancer drugs for the treatment of malaria and cancer.	Prof. P.C. Ghosh	DU: R & D
Characterising novel globins across species and deciphering their stress response and interacting partners: An integrated, holistic approach for function elucidation.	Dr. Suneel Kateriya Dr. Alo Nag and Dr. Suman Kundu	DST/DU
Role of hADA3 protein in damaged DNA pathways.	Dr. Alo Nag	DST Fast track Grant
Characterization of rhodopsin-mediated phototransduction of <i>C. reinhardtii</i> .	Dr. Suneel Kateriya	DBT
Isolation, expression and localization of ion channel coupled rhodopsin of <i>C. reinhardtii</i> .	Dr. Suneel Kateriya	DBT
Development of new light-sensitive protein tools for neuroscience applications.	Dr. Suneel Kateriya	DBT
Biochemical and biophysical characterization of small GTPase from <i>C. Reinhardtii</i> .	Dr. Suneel Kateriya	DST
Understanding blue-light mediated virulence in bacteria-funded under UGC-SAP departmental programme.	Dr. Suneel Kateriya	DU R&D

### *Programmes taken up involving inter-institutional collaboration*

Mossbauer Spectroscopy of Mammalian and other Novel Hemoglobins, Principal Investigator, Dr. Suman Kundu and Dr. Michael Oshtrakh, Sponsoring Organization Ural State Technical, University-UPI, Ekaterinburg, Russia.

Development of new light-sensitive protein University, Germanytools for neuroscience applications, Principal Investigator, Dr. Suneel Kateriya and Prof. Peter Hegemann, Sponsoring Organization DBT & Humboldt

Doctors office diagnostic instrument for detection of *M. tuberculosis* under 'in the field' conditions adapted for use by unskilled personnel', Principal Investigator Prof. Vijay. K. Chaudhary, Dr. Amita Gupta, Dr. Sarman Singh, Drs Dag Ilver, Anatol Krozer and Björn Löfving, Sponsoring organization Indo (DBT)- Swedish (VINNOVA) Programme, AIIMS, New Delhi, The Imego Institute Sweden.

High performing lateral-flow type assay concepts for cardiac and infectious disease testing, Principal Investigator Prof. Vijay. K. Chaudhary Dr. Amita Gupta, Dr. Navin Khanna Prof. Kim Pettersson, Sponsoring Organization Indo (DBT)-Finland (TEKES) Programme, ICGEB, New Delhi and University of Turku.

### **Appointments of faculty members to higher Posts/Assignments**

**Prof. P.C. Ghosh:** Nominated member of International Advisory Board by the organizer of International Conference, 12th International Liposome Research Days joint meeting with the 3rd Conference on Lipids, Liposomes & Membrane Biophysics at UBC Campus, Vancouver, Canada, 4-8 August 2010.

### **Honours/Distinctions**

**Prof. Anil K. Tyagi:** Awarded the prestigious national J.C. Bose Fellowship of the Department of Science and Technology, Government of India.

Awarded the Vigyan Gaurav Samman Award of the Council of Science and Technology, Government of Uttar Pradesh.

**Prof. Vijay K. Chaudhary:** Awarded Prof. B.K. Bachhawat Memorial lecture Award of The National Academy of Sciences, Allahabad.

**Dr. Suman Kundu:** Indo-US Research Fellow, 2010.

**Dr. Suneel Kateriya:** Indian Science Congress Young Scientist Award in New Biology Section for 2009-2010.

Indian Biophysical Society Ratna Phadke Award for Young Scientist for 2010.

### **Seminars/Conferences held**

UGC-SAP Symposium on 'Development of Molecular Strategies to Combat Various Human Diseases', Biotech Centre Auditorium, Delhi University South Campus, New Delhi, 17-18 March 2010.

'Emerging Trends in Globin Research: Need to Imbibe New Approaches and Technologies', Biotech Centre Auditorium, Delhi University South Campus, New Delhi, 6 February 2010.

### **Seminars/Conferences attended**

**Prof. Anil K. Tyagi:** Delivered International symposium on 'Understanding and Managing the Pathogenic Microorganisms', Institute of Microbial Technology, Chandigarh, 22-24 January 2010.

International symposium on 'Trends in Drug Discovery and Development', Department of Chemistry, Delhi University, 5-8 January 2010.

International symposium on 'Emerging Trends in Biotechnology', Banaras Hindu University, Varanasi, 4-6 December 2009.

Indo-US Tuberculosis Consultation Meeting, National Institute of Immunology, New Delhi, July 2009.

**Prof. P.C. Ghosh and Ranu Surolia.** 'Delivery of monensin using PLGA nanoparticles for the treatment of malaria'. Presented at IXL Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), at San Francisco, California, USA, 12-15 September 2009.

**Nikhil Tyagi and Prof. P.C. Ghosh:** 'Folate-mediated targeted delivery of ricin entrapped into sterically stabilized liposomes to human epidermoid carcinoma (KB) cells for their selective elimination'. Presented at International Symposium on 'Cancer Chemotherapy and Translation Research', at JNU, New Delhi, 21 December 2009.

Awarded best poster presentation and Invited Liposomes expert to participate in the Brainstorming Session on 'Different Area of Microbiological Sciences with special emphasis on Fungal Diseases', at Indian National Science Academy (INSA), New Delhi, 7 March 2010.

**Dr. Enna, Prof. P.C. Ghosh and Prof. M.V. Rajam:** 'RNAi-Mediated silencing of ornithine decarboxylase gene inhibits the growth of oral cancer cell line'. Presented at Indo-US Workshop on 'Epigenetic Regulation and Genome Control (Emphasis on RNAi and miRNA)', at CCMB, Hyderabad, 16-18 December 2009.

**Prof. Debi P. Sarkar:** Attended International Conference of Advanced Nanomaterials & Nanotechnology as a Chairperson & invited speaker, at IIT, Guwahati, Assam, 9-11 December 2009.

Attended International Conference on Understanding and Managing Pathogenic Microbes as an organiser at IMTECH, CSIR, Chandigarh, 22-24 January 2010.

Attended Golden Jubilee International Seminar on 'Researches in Zoology-Basic & Applied' as an invited speaker, the University of Burdwan, West Bengal, 17-19 March 2010.

**Dr. Suman Kundu, Rahul Gupta, Anuja Krishnan, Santosh K. Verma, Prashant Mani and Debi P. Sarkar:** 'Putative 3-D Model of Sendai Virus HN Protein Aids in Deciphering a His Switch that Triggers Membrane Fusion', 23rd Annual Symposium of the Protein Society, Boston, MA, USA, 25-29 July 2009.

**Abhijeet Kapoor, Rahul Gupta and Suman Kundu:** 'Insight into Substrate Specificity and Stability of Papain-like Proteases from an *In Silico* Comparative Structural Study', 7th Georgia Tech - Oak Ridge National Lab. International Conference on Bioinformatics, Atlanta, USA, 12-14 November 2009.

**Suman Kundu:** 'The red rebel: a cyanobacterial globin with unique properties', Invited Talk, Symposium on 'Recent Trends in Biophysics', Indian Biophysical Society, Banaras Hindu University, Varanasi, UP, 13-15 February 2010.

**Sheetal Uppal, Rajeev Kumar and Suman Kundu:** 'Comparative Analysis of Hexacoordinate Hemoglobins from Plant & Human', Symposium on 'Recent Trends in Biophysics', Indian Biophysical Society, Banaras Hindu University, Varanasi, UP, 13-15 February 2010.

**Abhijeet Kapoor, Manish Shandilya and Suman Kundu:** 'Putative *In silico* model of Human Dopamine  $\alpha$ -hydroxylase for understanding the role of SNPs and rational drug designing', Symposium on 'Recent Trends in Biophysics', Indian Biophysical Society, Banaras Hindu University, Varanasi, UP, 13-15 February 2010.

**Abhijeet Kapoor, Rahul Gupta, Amit Kumar and Suman Kundu:** 'Insight into substrate specificity and stability of papain like proteases from an *in silico* comparative structural study', Symposium on 'Recent Trends in Biophysics', Indian Biophysical Society, Banaras Hindu University, Varanasi, UP, 13-15 February 2010.

**Sheetal Uppal, Nitika Mukhi, Amit Kumar and Suman Kundu:** 'A Unique Hemoglobin from a Cyanobacterium' Young Explorers in Biology, TIFR, Mumbai, 13-18 September 2009.

**Amit Kumar, Mitali Choudhury, Priyanka Singh, Pushpanjali Dasauni and Suman Kundu** 'Structural Aspect of Stability and Regulation of Ligand Binding in Novel Hemoglobins', 78th Annual Meeting of Society of Biological Chemists (India), NCCS Pune, 30 October – 1 November 2009.

**Sheetal Uppal, Nitika Mukhi, Kavya Venkateswaran and Suman Kundu:** 'An Unusually Stable Novel Hemoglobin from Cyanobacterium with Unique Characteristics', 78th Annual Meeting of Society of Biological Chemists (India), NCCS Pune, 30 October, 1 November 2009.

**Dr. Alo Nag:** Attended Conference on Epigenetic Regulation and Genome control. CCMB, Hyderabad, 16-18 December 2009.

**Dr. Suneel Kateriya:** ‘Development of Light Sensitive Protein Tools for Clinical Applications’ 97th Indian Science Congress at Kariavattom Campus, Kerala, University, Trivandrum, Kerala, 3-7 January 2010, For Young Scientist Award.

‘Development of Light Sensitive Protein Tools for Neuroscience and Clinical Applications’ Indian Biophysical Society, Banaras Hindu University, Varanasi, UP, 13-15 February 2010 India, Young Scientist Award.

‘Characterisation of Algal Sensory Photoreceptors for the Development of Light-Sensitive Protein Tools to Control Neural Activity and Cell Signalling’, The Young Investigators Meeting, Estuary Island, Kerala, 24-28 February 2009.

**Rudra Shankar, Aakriti Anand and Suneel Kateriya:** ‘Characterisation of a putative G-Protein in the phototransduction pathway of *Chlamydomonas reinhardtii*, Indian Biophysical Society, Banaras Hindu University, Varanasi, UP, 13-15 February 2010.

**Mayanka Awasthi, Rajnish Giri, Vandana Mishra and Suneel Kateriya:** ‘The role of protein-protein interaction in the phototransduction pathway of *Chlamydomonas reinhardtii*’ LXXVIII Annual Meeting of Society of Biological Chemists (India), NCCS Pune, 30 October-1 November 2009.

### **Publications**

**Gupta, V., Gupta, R.K., Khare, G., Salunke, D.M., Surolia, A. and Tyagi, A.K.** ‘Structural ordering of disordered ligand-binding loops of biotin protein ligase into active conformations as a consequence of dehydration’. *PLoS ONE* 5(2): e9222. DOI:10.1371/journal.pone.0009222.

**Dey, B., Jain, R., Khera, A., Rao, V., Dhar, N., Gupta, U.D., Katoch, V.M., Ramanathan, V.D. and Tyagi, A.K. 2010.** ‘Boosting with a DNA vaccine expressing ESAT-6 (DNAE6) obliterates the protection imparted by recombinant BCG (rBCGE6) against aerosol *Mycobacterium tuberculosis* infection in guinea pigs’. *Vaccine*. 28: 63-70.

**Khare, G., Gupta, V., Gupta, R.K., Gupta, R., Bhat, R. and Tyagi, A.K. 2009.** ‘Dissecting the role of critical residues and substrate preference of a fatty Acyl-CoA synthetase (FadD13) of *Mycobacterium tuberculosis*’. *PLoS ONE*, 4(12): e8387, DOI:10.1371/journal.pone.0008387.

**Gupta, V., Gupta, R.K., Khare, G., Salunke, D.M. and Tyagi, A.K. 2009.** ‘Crystal structure of Bfr A from *Mycobacterium tuberculosis*: Incorporation of selenomethionine results in cleavage and demetallation of Haem’. *PLoS One*. 4(11): e8028. DOI:10.1371/journal.pone. 0008028.

**Sachdeva, P., Misra, R., Tyagi, A.K. and Singh, Y. 2009.** ‘The sigma factors of *Mycobacterium tuberculosis*: regulation of the regulators’. *FEBS Journal*, DOI:10.1111/j.1742-4658.2009.07479.x.

- Kumar, C.M.S., Khare, G., Srikanth, C.V., Tyagi, A.K., Sardesai, Abhijit, A. and Mande, Shekhar C. 2009.** 'Facilitated oligomerization of mycobacterial GroEL: Evidence for phosphorylation-mediated oligomerization'. *J. Bacteriol.* 191: 6525-38.
- Saini, V., Raghuvanshi, S., Talwar, G.P., Ahmed, N., Khurana, J.P., Hasnain, S.E., Tyagi, Akhilesh K. and Tyagi, Anil K. 2009.** 'Polyphasic Taxonomic Analysis Establishes *Mycobacterium indicus pranii* as a Distinct Species'. *PLoS ONE*, 4(7): e6263. DOI:10.1371/journal.pone. 0006263.
- Basu, D., Khare, G., Singh, S., Tyagi, Anil K. Khosla, S. and Mande, S.C. 2009.** 'A novel nucleoid-associated protein of *Mycobacterium tuberculosis* is a sequence homolog of GroL'. *Nucleic Acids Res.* DOI:10.1093/nar/gkp502.
- Krishnan, A., Verma, S.K., Mani, P., Gupta, R., Kundu, S. and Sarkar, D.P. 2009.** 'A histidine switch in hemagglutinin-neuraminidase triggers paramyxovirus-cell membrane fusion'. *Journal of Virology*, 83: 1727-41.
- Kohaar, I., Hussain, S., Thakur, N., Tiwari, P., Nasare, V., Batra, S., Singh, V., Bhambani, S., Das, B.C., Sarkar, D.P. and Bharadwaj, M. 2009.** 'Association between HLA Class II alleles with HPV mediated Cervical Cancer in Indian women', *Human Immunology*, 70: 222-29.
- Subramanian, N., Mani, P., Roy, S., Sarkar, D.P. and Das, S. 2009.** 'Targeted delivery of hepatitis C virus specific shRNA in mouse liver using Sendai virosomes'. *Journal of General Virology*, 90: 1812-19.
- Wang, X., Sarkar, D.P., Mani, P., Steer, Clifford J., Chen, Y., Guha, C., Chandrasekhar, V., Chaudhuri, A., Roy-Chowdhury, N., Kren, Betsy T. and Roy-Chowdhury, J. 2009.** 'Long-term reduction of jaundice in Gunn rats by non-viral liver-targeted delivery of Sleeping Beauty transposon'. *Hepatology*, 50: 815-24.
- Jangir, D.K., Tyagi, G., Mehrotra, R. and Kundu, S. 2010.** 'Carboplatin interaction with calf-thymus DNA: A FTIR spectroscopic approach'. *J. Mol. Struct.* **969**: 126-29.
- Kumar, A., Uppal, S. and Kundu, S. 2009.** 'The Red Goldmine: Promises of Biotechnological Riches', Invited Book Chapter in **Biotechnological Applications**, (eds) Mishra, C.S.K., India and Dr. Pascale Champagne. Canada: IK Publishing House.
- Kumar, M.R., Pervitsky, D., Chen, L., Poulos, T., Kundu, S., Hargrove, M.S., Rivera, E.J., Diaz, A., Colón, J.L. and Farmer, P.J. 2009.** 'Nitrosyl hydride (HNO) as an O<sub>2</sub> analogue: long-lived HNO adducts of ferrous globins'. *Biochemistry*, **48**: 5018-25.
- Smagghe, B.J., Hoy, J.A., Percifield, R., Kundu, S., Hargrove, M.S., Sarath, G., Hilbert, J.-L., Watts, R.A., Dennis, E.S., Peacock, W.J., Dewilde, S., Moens, L., Blouin, G.C., Olson, J.S. and Appleby, C.A. 2009.** 'Correlations between oxygen affinity and sequence classifications of plant hemoglobins'. *Biopolymers*, **91**: 1083-96.

## ELECTRONIC SCIENCE

### Major Activities

The Department has been carrying out extra academic activities in terms of conferences (both national and international), lectures by experts throughout the academic year, besides having international projects and international collaborations.

### Ph.D. Degree awarded

Ph.D. - 5

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Quantum-Dot sensitized solar cells based on nanostructured Zinc oxide.	Prof. A. Kapoor	DST Indo-Japan
Mutation detection for medical diagnostics using FRET between cationic conjugate polymers and labeled PNA probes.	Prof. P.K. Bhatnagar	DBT
Fabrication, characterization and enhancement of efficiency of conducting polymer DNA based white light emitting diodes.	Prof. P.K. Bhatnagar	DST
Measurement of optical non-linearities in wide bandgap II-VI semiconductor quantum dots suitable for all optical switching devices.	Prof. P.K. Bhatnagar	DST
Wide band high gain microstrip antennas.	Prof. A.K. Verma	UGC
Modelling and simulation of nanoscale dual material gate insulated shallow extension silicon on nothing MOSFET for low voltage low power applications.	Dr. Mridula Gupta	UGC

### Seminars/Conferences held

**Prof. A. Kapoor:** XII International symposium on 'Microwave and Optical Technology', New Delhi (session chair)-ISMOT 2009, 16-19 December 2009.



**Dr. Mridula Gupta:** Organised ISMOT 2009-Secretary IEEE EDS Distinguished Lecture on 'ESD Protection Design for RF/AMS ICs', Professor Albert Wang, Fellow-IEEE, Department of Electrical and Computer Engineering, University of California, Riverside, CA 92521, USA, 29 May 2009.

The XVIII WIMNACT-MQ3-New Delhi, India-Workshop and IEEE EDS Mini-colloquium on Nanometer CMOS Technology-Mini-Colloquia on Compact Modelling and Fabrication Techniques of Advance MOSFET/HEMT Structures, 4-5 June 2009.

Technical Lecture on 'Emerging Technologies for Future Digital Campus' by Dr. Keith Rajeci, Solution Architect GEH, Sun Microsystems, 19 August 2009.

**Dr. Vikram J. Kapoor:** Technical Lecture on 'Nanoelectronics for Biomedical Applications', courtesy Professor, School of Electrical Engineering and Computer science, Orlando, Florida, 23 September 2009.

XII International Symposium on 'Microwave and Optical Technology' (ISMOT-2009), 16-19 December 2009.

Lecture Series (In all, 5 lectures were organized) 22 March 2010.

**Prof. Vikram Kumar:** IIT Delhi, Former Director, NPL & SPL, 'Brief Overview of Nanotechnology'.

**Prof. K.L. Chopra:** Former Director, 'Solar Photo Voltaics – Status Review', IIT Kharagpur.

**Prof. A.K. Ghatak,** Former Professor, 'Lasers & Fiber Optics', IIT Delhi.

**Dr. S.K. Mishra:** Director, RTDC, 'Rewritable Phase Change Optical Recording Technology', Sharda University.

**Prof. Dinesh Singh:** Director, 'Art of Counting', Delhi University South Campus.

#### **Seminars/Conferences attended**

**Prof. P.K. Bhatnagar:** International Workshop on 'Physics of Semiconductor Device', Delhi, December 2009, (IWPSD-09).

International Conference in Advanced Material Technology, Singapore, July 2009, (ICMAT-09).

**Prof. E.K. Sharma:** Institute fur Hochfrequenztechnik und Quantenelectronik, University, Karlsruhe, Germany, June 2009, as DAAD visiting scientist (Ph.D. student is working in joint supervision jointly under sandwich programme at this Institute).

Department of Electrical Engineering, City University, London, UK, October 2009.

Optical Electronics Facility, Southampton, UK, October 2009.

Photonics Group, Heriot Watt University, Edinburgh, Scotland, October 2009.

## Publications

**Khandelwal, R., Singh, A.P., Kapoor, A., Grigorescu, S., Miglietta, P., Stankova, Nadya E. and Perrone, A. 2009.** 'Effects of deposition temperature on the structural and morphological properties of SnO<sub>2</sub> films fabricated by pulsed laser deposition'. *Optics and Laser Technology*, 41(1): 89-93.

**Goswami, P. and Kapoor, A. 2009.** 'Inducement of spin-pairing and correlated semi-metallic state in Mott-Hubbard quantum dot array'. *Physica E*, 41: 379-86.

**Singh, N.S., Jain, A. and Kapoor, A. 2009.** 'Determination of the solar cell junction ideality factor using special tanh function theory (STFT)'. *Solar Energy Materials & Solar Cells*, 93: 1423-26.

**Singh, U., Jha, N., Singh, T.P., Kapoor, A. and Perrone, A. 2010.** 'Investigation of transmittance property of palladium thin films fabricated by pulsed laser deposition with polarization using single layer model'. *Optics and Laser Technology*, 42(2010): 1128-33.

**Singh, I., Verma, A., Bhatnagar, P.K., Mathur, P.C., Kaur, I., Bharadwaj, L.M., Bhatia, V., Jain, V.K. and Bhatia, C.S. 2010.** 'The effect of length of single walled carbon nanotubes (SWNTs) on electrical properties of conducting polymer- SWNT composites'. *Journal of Polymer Science Part B: Polymer Physics*, 48: 89-95.

**Aneja, A., Mathur, N., Bhatnagar, P.K. and Mathur, P.C. 2009.** 'Detection of Known Mutations for Medical Diagnostics by FRET Spectroscopy'. *Journal of Biomaterials Science 0*: 1-8 jbs2943 DOI: 10.1163/156856208X386426.

**2010.** 'Detection of E. Coli with enhanced sensitivity and higher FRET efficiency using light emitting polymer, peptide nucleic acid probe and anionic surfactant system'. *Journal of Biomaterials Science 0*: 1-9 jbs3107 DOI:10.1163/092050610X486973.

**Madhwal, D., Rait, S.S., Verma, A., Kumar, A., Bhatnagar, P.K., Mathur, P.C. and Onoda, M. 2010.** 'Increased luminance of MEH-PPV and PFO based PLEDs by using salmon DNA as an electron blocking layer', *Journal of Luminescence*, 130: 331-33.

**2010.** 'Self Trapping Mechanism in Green Phosphorescent Dye doped Polymer Light Emitting Diodes'. *Physica Scripta*, 81: 065701.

**Madhwal, D., Rait, S.S., Verma, A., Kumar, A., Tada, K., Onoda, M., Bhatnagar, P.K. and Mathur, P.C.M. 2010.** 'Development and characterization of an efficient bio-white polymer light-emitting diode with red and green phosphorescent dyes as dopants 2010'. *Jour. Material Science* 45: 3300-3.

**Kumar, J., Verma, A., Pandey, P.K., Bhatnagar, P.K., Mathur, P.C., Bhatnagar, M., Liu, W. and Tang, S.H. 2009.** Two-Photon absorption in Quantum Dots of CdS<sub>x</sub>Se<sub>1-x</sub> using open aperture Z- scan and Femto-second laser NANO, 4: 23-29.

- Kumar, J., Verma, A., Pandey, P.K., Bhatnagar, P.K., Mathur, P.C., Bhatnagar, M., Liu, W. and Tang, S.H. 2009.** 'Study of optical absorption and Photoluminescence of Quantum Dots of CdS formed in Borosilicate Glass matrix'. *Physica Scripta*, 79: 065601.
2009. 'Compositional Effect on the Optical Absorption and Photoluminescence of CdS<sub>x</sub>Se<sub>1-x</sub> Quantum Dots Embedded in Borosilicate Glasses'. *International Journal of Nanosciences*, 8: 403.
- Bhatnagar, P.K., Mathur, P.C., Singh, I. and Verma, A. 2009.** 'Study of Electrical Properties of Single Walled Carbon Nanotubes and Conducting Polymer Composites as a Function of Nanotube Length'. *ICMAT 2009* (Singapore) [A00758-01353].
- Bhatnagar, P.K., Aneja, A., Mathur, N. and Mathur, P.C. 2009.** 'Development of a Biosensor for medical diagnostics using DNA sequence and mutation detection using the principle of FRET'. *International Conference on Materials for Advanced Technologies*, Singapore.
- Mathur, N., Aneja, A., Bhatnagar, P.K. and Mathur, P.C. 2009.** 'Effect of Surfactant on the sensitivity and selectivity of the conducting polymer based DNA sequence detection', XV International Workshop on 'The Physics of Semiconductor Devices', New Delhi.
- Madhwal, D., Garg, R.K., Bhatnagar, P.K. and Mathur P.C. 2009.** 'White Polymer Light Emitting Diode using Red and Green Phosphorescent dyes by Solution Processing Method', XV International Workshop on 'The Physics of Semiconductor Devices', Delhi, 255-7.
- Mathur, N., Bansal, J., Aneja, A., Bhatnagar, P.K. and Mathur, P.C. 2010.** 'Detection of known mutations in DNA with higher discrimination efficiency by using surfactants'. *Biosensors 2010*, Glasgow, UK.
- Bansal, J., Mathur, N., Aneja, A., Singh, I., Bhatnagar, P.K. and Mathur, P.C. 2010.** 'Development of a nano-Biosensor based on optical properties of Single Walled Carbon Nanotube-poly (GT)<sub>n</sub> ssDNA for detection of DNA sequence'. *Biosensors 2010*, Glasgow, UK.
- Singh, I., Mathur, P.C. and Bhatnagar, P.K. 2010.** 'Development and characterization of a high efficiency stable hybrid salmon DNA-P3HT-CdSe quantum dots-MPA linker-SWNT bio solar cell: A new Approach'. Accepted as invited paper in SPIE, San Diego CA, 1-5 August 2010.
- Madhwal, D., Mathur, P.C. and Bhatnagar, P.K. 2010.** 'Fabrication and characterisation of high luminescence conducting polymer (MEH-PPV) based bio-LED using a salmon DNA-CTMA complex as an electron-blocking layer', Invited paper in SPIE, San Diego CA, 1-5 August 2010.
- Mathur, P.C., Bhatnagar, P.K., Kumar, J., Verma, A., Pandey, P.K., Liu, W. and Tang, S.H. 2009.** 'Optical Absorption, Photoluminescence and Third Order Two-Photon Nonlinear Absorption Coefficient Studies in Quantum Dots of CdS<sub>x</sub>Se<sub>1-x</sub> Grown in Borosilicate Glass Matrix'. *ICMAT 2009*, Singapore symposium.

- Sharma, E.K. 2009.** 'Analysis of Cladding Modes In An Asymmetric Dual-Core Fiber', Florence Yasumoto, Chan, K. and Sharma, E.K. *Microwave and Optical Technology Letters (USA)*, 51: 507-10.
- 2009.** 'Er-LiNb<sub>3</sub> Waveguide: Field Approximation for Simplified Gain Calculations in DWDM Application', Jain, G., Kapoor, A. and Sharma, E.K. *Journal of Optical Society of America B (USA)*, 26: 633-39.
- 2009.** 'Analysis of Transmission Characteristics of Long Period Gratings in Tapered Optical Fibers', Patra, K.C., Singh, R., Sharma, E.K. and Yasumoto, K. *Applied Optics*, 48, G95-G100.
- 2009.** 'Long Period Grating Refractive Index Sensor: Optimal design for single wavelength interrogation', Kapoor, A. and Sharma, E.K. *Applied Optics*, 48: G88-G94.
- Sharma, E.K., Patra, K.C., Kapoor, A. and Singh, R.** 'Long Period Gratings: Transmission Characteristics and Applications', XII International Symposium on Microwave and Optical Technology, ISMOT 2009, New Delhi, 16-19 December 2009.
- Prof. A.K. Verma**, Adjunct Professor at Macquarie University, Sydney, Australia.
- Singh, H., Verma, A.K. and Awasthi, Y.K. 2009.** 'Circuit model of multilayer microstrip step discontinuity using SLR formulation', *International Journal of Electromagnetics*, 29(6): 483-98, July.
- Verma, A.K., Awasthi, Y.K. and Singh, H. 2009.** 'Equivalent Isotropic Relative Permittivity of Microstrip on Multilayer Anisotropic Substrate', *International Journal of Electronics*, 96(8): 865-75, August 2009.
- Awasthi, Y.K., Singh, H., Kumar, A., Singh, P. and Verma, A.K. 2009.** 'Accurate CAD-Model Analysis of Multilayer Microstrip Line on Anisotropic Substrate', *Journal of Infrared, Millimeter, and Terahertz Waves*, 16 October 2009.
- Majumdar, P. and Verma, A.K. 2010.** 'Accurate Closed- form Model for Computation of Conductor Loss of Coplanar Waveguide', *International Journal of RF and Microwave Computer-Aided Engineering*, 20(1): 6-14, January 2010.
- 2010.** 'Modified Closed-form Dispersion and Losses Models of Slot-Line with Conductor Thickness', *International Journal of Infrared, Millimeter and Terahertz Waves*, 31(3): 271-87, March.
- 2009.** 'Experimentally Observed CAD Models for Stopping Distance in Coplanar Waveguides for (M)MIC's,' *Proceedings of IEEE AP-S*.
- 2009.** 'Accurate Design Equations for Conductor Loss on MMIC Transmission Lines' *Proceedings of IRMMW-THZ-09*, Busan, Korea.
- 2009.** 'Analytical Models for Calculating Attenuation in Coplanar Waveguides', *Proceedings of ISAP*, Bangkok, Thailand.

- 2009.** 'Experiment-Based Closed Form Model for Stopping Distance in Coplanar Waveguides', *Proceedings of LAPC 2009*, UK.
- 2009.** 'CAD Model of Stopping Distance for Conductor Loss Computation of CPW', *Proceedings of ICICS-09*, Macau, China.
- 2009.** 'Closed Form Expression for Conductor Loss of Conductor Backed Asymmetric Coplanar Waveguides', *Proceedings of AEMC 09*, Kolkata.
- 2009.** 'Closed Form Expression for Conductor Loss of Asymmetric Coplanar Strip Transmission Lines', *Proceedings of ISMOT-09*, New Delhi.
- 2010.** 'Closed Form Expression for Conductor Loss of Asymmetrical Coplanar Lines', *Proceedings of NCECC 2010*, Gwalior, MP.
- Ranga, Y., Karu, P., Esselle and Verma, A.K. 2009.** 'Wide band high gain antenna for UWB application', 11th Australian Symposium on Antennas, Sydney, NSW. CSIRO ICT Centre.
- Ranga, Y., Karu, P., Esselle, A. Weily and Verma, A.K. 2009.** 'A Compact Antenna with High Gain for Ultra Wide Band Systems', Microwave Conference, 2009. EuMC 2009, Rome, Italy, 29 September- 1 October, pp. 85-88.
- Singh, H., Awasthi, Y.K. and Verma, A.K. 2009.** 'Circuit Model of Microstrip Step Discontinuity on Multilayer Dielectric Substrate', IEEE AP-S International Symposium, URSI, Charleston, CA USA, pp.1-4, 1-5 June 2009.
- Awasthi, Y.K., Singh, H., Kumar, A., Singh, P. and Verma, A.K. 2009.** 'Quasi-Static and Dynamic Propagation Characteristics of Microstrip Transmission-Line on Anisotropic Substrate', IEEE AP-S International Symposium, URSI, Charleston, CA USA, pp. 1-4, 1-5 June 2009.
- 2009.** 'Anisotropic Effect on Microstrip Pulse Propagation', IEEE 34th International Conference on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz, Busan, Korea, 21-25 September 2009.
- Singh, H., Awasthi, Y.K. and Verma, A.K. 2009.** 'Effect of Anisotropy on Microstrip Step Discontinuity', IEEE Asia Pacific Microwave Conference, Singapore, 7-10 December 2009.
- 2009.** 'High-Speed Transient Signals on Anisotropic Microstrip Line with Finite Strip Thickness', XII *International Symposium on Microwave and Optical Technology (ISMOT)*, New Delhi, 16-19 December 2009.
- 2009.** 'Analysis of Transient Signals in Anisotropic Microstrip Transmission line', IEEE VII International Conference on Information, Communication and Signal Processing, Macau, China, 7-10 December 2009.
- Kumar, A., Singh, H., Awasthi, Y.K., Singh, P. and Verma, A.K. 2009.** 'Spur Line Resonators to increase the Rejection Band of DGS based Low Pass Filter', National Conference on Advances in Communication Technologies in Cyber Age (ACTCA'09), SKIT, Jaipur, May 2009.

- Servin, R., Jyotika, J., Gupta, M. and Gupta, R.S. 2009.** ‘Modeling of hetero-interface potential and threshold voltage for tied and separate nanoscale InAlAs-InGaAs symmetric double-gate HEMT’. *Microelectronics Reliability*. 49: 1508-14.
- Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2009.** ‘Investigation of Multi-Layered-Gate Electrode Workfunction Engineered Recessed Channel (MLGEWE-RC) Sub-50nm MOSFET: A Novel Design’. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*. 22: 259-78.
- Sharma, R.K., Gupta, R., Gupta, M. and Gupta, R.S. 2009.** ‘Dual-material double-gate SOI n-MOSFET: Gate misalignment analysis’. *IEEE Transactions on Electron Devices*. 56(6): 1284-91.
- 2009.** ‘Dynamic Performance of Graded Channel DG FD SOI n-MOSFETs for Minimizing the Gate Misalignment Effect’. *Microelectronics Reliability*. 49(6): 592-99.
- Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2009.** ‘Two Dimensional Simulation and Analytical Modeling of a Novel ISE MOSFET with Gate Stack Configuration’. *Microelectronic Engineering*. 86: 2005-14.
- 2010.** ‘TCAD Performance Investigation of a Novel MOSFET Architecture of Dual Material Gate Insulated Shallow Extension Silicon On Nothing (DMG ISE SON) MOSFET for ULSI Era’. *Microwave and Optical Technology Letters*. 53(3): 746-50.
- Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2009.** ‘TCAD assessment of gate electrode workfunction engineered recessed channel (GEWE-RC) MOSFET and its multi-layered gate architecture: Part II: Analog and large signal performance evaluation’. *Superlattices and Microstructures*. 46(4): 645-55.
- 2010.** ‘Design considerations and impact of technological parametric variations on RF/microwave performance of GEWE-RC MOSFET’. *Microwave and Optical Technology Letters*. 53(3): 652-57.
- Malik, P., Kumar, Sona P., Chaujar, R., Gupta, M. and Gupta, R.S. 2010.** ‘Gate Material Engineered-Trapezoidal Recessed Channel MOSFET (GME-TRC) for Ultra Large Scale Integration (ULSI)’. *Microwave and Optical Technology Letters*. 53(3): 694-98.
- Gupta, R., Kaur, R., Aggarwal, S.K., Gupta, M. and Gupta, R.S.** ‘Metal Insulator Gate Geometric HEMT: Novel Attributes and Design Consideration for High Speed Analog Applications’. *Journal of Semiconductor Technology and Science*. 10(1): 66-77.
- Sharma, R., Gupta, M. and Gupta, R.S. 2009.** ‘A Simulated Study of Gate Misalignment Effects on the Dynamic Performance of Nanoscale Double Gate and Dual Material Double Gate SOI n-MOSFET’, XII **International Symposium on ‘Microwave and Optical Technology (ISMOT-2009)’**, Hotel Ashok, New Delhi.
- Sehgal, A., Gupta, R., Gupta, M. and Gupta, R.S. 2009.** ‘Sub 100nm Double Gate MOSFETs: A Study of Technological Defects and Carrier Quantization Effects’, XII **International Symposium on ‘Microwave and Optical Technology (ISMOT-2009)’**, Hotel Ashok, New Delhi.

**Malik, P., Chaujar, R., Gupta, M. and Gupta, R.S. 2009.** ‘Two-dimensional Analytical Model for Trapezoidal Recessed Channel (TRC) MOSFET using Gate Material Engineering’, **XII International Symposium on ‘Microwave and Optical Technology (ISMOT-2009)’**, Hotel Ashok, New Delhi.

**Gangwani, P., Haldar, S., Gupta, M. and Gupta, R.S. 2009.** ‘High Temperature Modeling of AlGa<sub>N</sub>/Ga<sub>N</sub> HEMT For Microwave Power and Switching Applications’, **XII International Symposium on ‘Microwave and Optical Technology (ISMOT-2009)’**, Hotel Ashok, New Delhi.

**Kumar, Sona P., Agrawal, A., Gupta, M. and Gupta, R.S. 2009.** ‘Microwave Performance Evaluation of DMG AlGa<sub>N</sub>/Ga<sub>N</sub> HEMT: A Simulation Study’, **XII International Symposium on ‘Microwave and Optical Technology (ISMOT-2009)’**, Hotel Ashok, New Delhi.

**Chaujar, R., Saxena, M., Gupta, M. and Gupta, R.S. 2009.** ‘Evaluation of Multi-Layered Gate Design on GEWE-RC MOSFET for Wireless Applications in terms of Linearity-Distortion Issues’, **XII International Symposium on ‘Microwave and Optical Technology (ISMOT-2009)’** Hotel Ashok, New Delhi.

**Aggarwal, R., Agrawal, A., Gupta, M. and Gupta, R.S. 2009.** ‘Comparative Performance Evaluation of Novel AlGa<sub>N</sub>/Ga<sub>N</sub> MISHFET with Conventional HFET for Improved Linearity Characteristics’, **XII International Symposium on ‘Microwave and Optical Technology (ISMOT-2009)’** Hotel Ashok, New Delhi.

## GENETICS

### Major Activities

The research activities of the Department are of a varied nature, covering the frontier areas of Genetics. Prof. Srivastava’s lab has been investigating plant-microbe interactions in terms of plant growth promotion, encompassing genetic and functional basis of phytohormone IAA biosynthesis and biocontrol properties in *Azospirillum brasilense SM* and *Pseudomonas fluorescens Psd*. Genetically modified strains with better performance have been generated. Another study deals with a peptide antibiotic that has been isolated, purified and characterized from lactic acid bacteria. This study has provided some important leads for further development of this peptide for future applications. Prof. Pental’s and Prof. Pradhan’s labs are actively involved in molecular mapping and marker assisted breeding in oilseed mustard *Brassica juncea*. The lab has constructed a high density integrated map consisting of more than 2500 markers and also a comparative molecular map in *B. juncea* using single copy genes from *Arabidopsis thaliana*. Recently, two independent loci have been mapped in two east European lines of *B. juncea* governing resistance to white rust disease using these maps. Future work aims at tagging genes for oil content, fatty acid biosynthesis, yield components and isolation and identification of candidate genes conferring resistance to

Alternaria blight, white rust and some important yield components. As a tangible product, the lab has been successful in developing the first mustard hybrid in the country which was released in 2008 by the Ministry of Agriculture, Government of India, for commercial cultivation in the mustard growing areas of north-western India.

The main aim of Prof. Rajam's research is to develop transgenic tomato, brinjal and cotton plants for disease, insect and nematode resistance through plant RNAi-mediated silencing of vital genes of pathogens and pests. Virus resistant sweet orange and slow ripening and male sterile transgenic tomatoes are also being developed using RNAi strategies. Targeting of fungal and insect polyamine biosynthesis gene and other genes by siRNAs for their control and marker-free transgenic tomato plants for stress tolerance are some of the significant achievements. Attempts to understand the biology of complex disorders such as Rheumatoid arthritis and ulcerative colitis by whole genome analysis and identifying novel pathways, so as to develop new drug molecules is one of the major activities in Prof. Thelms's lab. An interdisciplinary approach fostering different disciplines is being undertaken to achieve these objectives. A few putative X-linked loci for mental retardation have been found in the ongoing projects. The research interests of Dr. Burma's group is to analyse ways and means of enhancing and stabilizing expression of transgenes in plants by modulation of post-transcriptional events. Constructs for high expression of transgene in plants have been developed. A 'barnase-barstar' based technology is also being used for hybrid seed production in plants. Dr. Sarkar's research primarily focuses on harnessing the power of Drosophila genetics to address some basic questions in developmental biology and for exploring the cellular and developmental basis of some fatal human diseases and aging process. Drosophila culture facility has been established in the Department and being utilized for teaching and research purposes. The main focus of Dr. Kaur's lab is to understand the plant-pathogen interactions, using *Arabidopsis thaliana*-*Alternaria brassicae* phytopathosystem, at the molecular genetic level. Dr. Aruna Devi's lab's main interest is in the area of transcription and its regulation, especially in elucidating the role of bZIP transcription factors and other proteins involved in differential expression of genes accompanying morphogenesis and cell differentiation in a model organism, *Dictyostelium discoideum*. Dr. Tapasys's lab is interested in studying the various mechanisms which contribute to induction of genomic instability in primary tumors and in model systems, which mimic the tumor microenvironment. The lab uses hypoxia as a model of cellular stress and study its implications in stress induced molecular and cellular changes in the tumor cell. Dr. Kaustav's lab is focused on using molecular, genetic and biochemical approaches in deciphering the role of a novel class of GTPases that are involved in mitochondrial ribosome biogenesis in a model organism, *Saccharomyces cerevisiae*.

#### **Ph.D. Degrees awarded**

Ph.D. - 4



## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Establishment of (a) Centre for Genetic Manipulation of Crop Plants (CGMCP) at the Department of Genetics, Delhi University South Campus and (b) Research facilities at Mangolpuri for genetic engineering of oil seed mustard / rapeseed and selected vegetable crops.	Prof. Deepak Pental	NDDDB
Development of a benignant microbial consortium for growth promotion of some important crops.	Prof. S. Srivastava	DBT
Centre of Excellence on Genome mapping and molecular breeding in brassicas.	Prof. A.K. Pradhan	DBT
Molecular mapping, tagging and development of high throughput DNA markers for some agronomically important traits in Brassica juncea.	Prof. A.K. Pradhan	DBT
Tagging and marker assisted transfer of low glucosinolate trait in Brassica juncea.	Prof. A.K. Pradhan	DBT
Genetic engineering of tomato for fungal resistance through RNAi – mediated suppression of fungal ornithine decarboxylase gene.	Prof. M.V. Rajam	DBT
Silencing of vital genes (Acetylcholinesterase, ornithine decarboxylase and chitin synthase) of cotton bollworm by plant-mediated RNAi for developing insect resistant transgenic Cotton.	Prof. M.V. Rajam	DBT

RNAi-mediated silencing of a key polyamine biosynthesis gene, ornithine decarboxylase for the control of fungal pathogens and cancer growth in vitro and in vivo.	Prof. M.V. Rajam	DST
Analysis of fruit characteristics, expression profile of ripening genes and limited open field trials of tomato transgenics over-expressing polyamine biosynthesis Genes.	Prof. M.V. Rajam	DBT
Development of efficient plant regeneration and agrobacterium-Mediated genetic transformation protocols for citrus sp. and production of citrus transgenics for virus resistance.	Prof. M.V. Rajam	DBT
Development of insect resistant cauliflower and okra using RNAi strategies	Prof. M.V. Rajam	DU/DST – PURSE GRANT & Bejo Sheetal Seeds Ltd.
Development of transgenic brinjal resistant to Fruit borer ( <i>leucinodes orbonalis</i> Guenee) Through RNA interference.		Sri Biotech Laboratory India Ltd.
Molecular diagnostics: Development of cost effective pre-prescription and pre-implantation genetic testing.	Prof. B.K. Thelma Labindia Life Sciences	DST-PURSE grant
Whole genome association analyses in complex diseases: An Indian initiative.	Prof. B.K. Thelma	DBT
Functional characterization of SNPs/SNP haplotypes in candidate genes.	Prof. B.K. Thelma	DBT
Identification novel gene(s) for familial Parkinson's disease.	Prof. B.K. Thelma	DBT
Pharmacogenetics of anti-epileptic drugs role of ABCB1, CYP2C9, CYP2C19 and SCN2A in optimizing therapy.	Prof. B.K. Thelma	DBT

Pharmacogenetics of adverse drug reaction: Role of drug metabolizing enzymes and VKORC1 polymorphisms in reducing drug toxicity due to antitubercular drugs and Warfarin.	Prof. B.K. Thelma	DBT
Comparative analysis of expression of cry1Ac gene in different cotton transgenic events commercialized in India.	Prof. P.K. Burma	DST PURSE grant
Novel approaches for production of hybrid seeds with characteristics of improved resistance and higher yield – cotton component.	Prof. P.K. Burma	CSIR- NIMITLI
Studies on the role of Forkhead Transcription Factor (FOXO) in aging and neurogenesis in Drosophila.	Dr. S. Sarkar	DBT
Studies on the role of Heat Shock Proteins (Hsps) and Heat Shock Factor (Hsf) in aging in Drosophila melanogaster.	Dr. S. Sarkar	DST
Characterising novel globins across species and deciphering their stress response and interacting partners: An integrated, holistic approach for function elucidation.	Dr. S. Sarkar	DST PURSE grant
Characterising novel globins across species and deciphering their stress response and interacting partners: An integrated holistic approach for function elucidation.	Dr. Jagreet Kaur	DST PURSE grant
Dissecting the molecular mechanisms underlying the early stages of resistance in a plant-necrotroph interaction using a reporter expression system.	Dr. Jagreet Kaur	DBT, Rapid grant
Role of histone deacetylase (HDAC) in modulating the effect of chemotherapeutic drug(s) in cancer cells.	Dr. T. Srivastava	DST (SERC Fast Track) inhibitor(s)

### *Programmes taken up involving inter-institutional collaboration*

Targeting the insect pests of Okra and Cauliflower by RNA interference, Principal Investigator, Prof. M.V. Rajam, Sponsoring organization, DU-DST PURSE & Bejo Sheetal Seeds Grants.

Control of insect pests of tomato and cotton by plant-mediated RNAi, Principal Investigator, Prof. M.V. Rajam, Sponsoring organization, DBT.

Control of fungal pathogens by plant-mediated RNAi, Principal Investigator, Prof. M.V. Rajam, Sponsoring organization, DBT

Control of shoot and fruit borer of brinjal by silencing of important genes of the target insect pest (*Leucinodes orbonalis*) by RNAi, Principal Investigator, Prof. M.V. Rajam, Sponsoring organization, Sri Biotech Lab India Ltd.

Development of sweet orange transgenic plants for CTV resistance, Principal Investigator, Prof. M.V. Rajam, Sponsoring organization, DBT

Development of delayed ripening tomato transgenic plants, Principal Investigator, Prof. M.V. Rajam, Sponsoring organization, DBT.

Development of a Benignant Microbial Consortium for Growth Promotion of some Important Crops with IARI, Principal Investigator, Prof. S. Srivastava, Sponsoring organization, DBT.

### **New Additions**

N. Aruna Devi - Assistant Professor  
T. Srivastava - Assistant Professor  
Koustav Dutta - Assistant Professor

### **Honours/Distinctions**

**Prof. B.K. Thelma:** Member, Scientific Advisory Council to Prime Minister.

**S. Sarkar:** BOYSCAST Fellowship 2009-10, Department of Science and Technology, Government of India, to conduct advanced research in area of Molecular Genetics in California Institute of Technology (CALTECH), Pasadena, California, USA, 2009-2010.

**Dr. T. Srivastava:** INSA Young Scientist Medal 2010 for Medical Sciences.

### **Seminars/Conferences held**

**Prof. S. Srivastava:** UGC-SAP Seminar on 'Fundamentals of Genetics'.

**Dr. S. Sarkar:** Symposium and Training Course on Spectral Laser Scanning Confocal Microscopy (Sponsored by Leica Microsystems, USA), 13-15 October 2009.

### **Seminars/Conferences attended**

**Prof. M.V. Rajam:** Indo-US Sponsored International Congress-cum-Workshop on IPR, Noida, 5-7 October 2009.

VI Solanaceae Genome Workshop, Le Meridian, New Delhi, 8-13 November 2009.

EU-India S&T Cooperation Days, Food, Agriculture, Fisheries, Biotechnologies & Health Research, JNU, 4-6 November 2009.

International Conference on Emerging Trends in Biotechnology (ETBT-2009) & VI Annual Convention of The Biotech Research Society, India, Banaras Hindu University, 4-6 December 2009.

Indo-US Workshop on 'Epigenetic Regulation and Genome Control', CCMB, Hyderabad, 16-18 December 2009.

International Conference on Biotechnology based Sustainable Agriculture, Hotel Le Meridien, New Delhi, 19 December 2009.

Indo-French Brainstorming-cum-Seminar on 'Genomics and Biotechnology of Fruit: Recent Advances', NBRI, Lucknow, 18-20 January 2010.

**Prof. P.K. Burma:** VI Solanaceae Genome workshop, New Delhi, 8-13 November 2009.

Biology of Yeasts and Filamentous Fungi, CCMB, Hyderabad, 25-27 February 2010.

**Dr. S. Sarkar:** XXXIII All India Cell Biology Conference and International workshop on 'Cell cycle regulation'. University of Hyderabad. Hyderabad, 10-13 December 2009.

**Prof. M.V. Rajam:** 30th Annual Meeting of the Plant Tissue Culture Association (India) and Natl. Symp. on Plant Propagation, Conservation, Modification and Characterisation, Institute of Himalayan Bioresource Technology, Palampur, 3-4 April 2009.

Conference on Biotechnology: Fusion of Advanced Research & Teaching, Madurai Kamaraj University, 2-4 January 2010.

National Symposium on 'Genomics and Crop Improvement: Relevance and Reservations', Acharya N.G. Ranga Agricultural University, Hyderabad, 25-27 February 2010.

XXXI Annual Meeting of the Plant Tissue Culture Association (India) and National Symposium on 'Plant Cell Tissue & Organ Culture: The Present Scenario', University of Calcutta, Kolkata, 3-5 March 2010.

XIX National Conference of Indian Virological Society, Silver Jubilee Year - VIROCON 2010, 'Recent Trends in Viral Disease Problems and Management', S.V. University, Tirupati, 18-20 March 2010.

National symposium on 'Genomics and Crop Improvement: Relevance and Reservation', Acharya N.G. Ranga Agricultural University, Hyderabad, 25-27 February 2010.

**Dr. P.K. Burma:** International Conference on Emerging Trends in Biotechnology, Banaras Hindu University, Varanasi, 4-6 December 2009.

**Dr. T. Srivastava:** Indo-US Workshop on 'Epigenetic Regulation and Genome Control 2009'.

**Dr. J. Kaur:** XXXIII All India Cell Biology Conference, 10-13 December 2009.

## Publications

### Books

Contributed Unit on Microbial Genetics to Microbiology Course of IGNOU, Genetics Course 2009.

### Research Articles in Books or Scholarly Journals

**Ganesan, U., Suri, S.S., Rajasubramaniam, S., Rajam, M.V. and Dasgupta, I. 2009.** 'Transgenic expression of coat protein gene of rice tungro bacilliform virus in rice reduces the accumulation of viral DNA in inoculated plants'. *Virus Genes*, 39: 113-19.

**Kumar, M., Gupta, G.P. and Rajam, M.V. 2009.** 'Silencing of acetylcholinesterase gene of *Helicoverpa armigera* by siRNA affects larval growth and its life cycle'. *J. Insect Physiol.* 55: 273-78.

**Singh, S. and Rajam, M.V. 2009.** 'Citrus biotechnology: Achievements, limitations and future directions'. *Physiol. Mol. Biol. Plants* 15: 3-22.

**Prasad, P., Tiwari, A.K., Kumar, K.M., Ammini, A.C., Gupta, A., Gupta, R. and Thelma, B.K. 2010.** 'Association analysis of ADPRT1, AKR1B1, RAGE, GFPT2 and PAI-1 gene polymorphisms with chronic renal insufficiency among Asian Indians with type-2 diabetes'. *BMC Med Genetics*, 11: 15.

**Srivastava, V., Deshpande, S.N. and Thelma, B.K. 2010.** 'Dopaminergic pathway gene polymorphisms and genetic susceptibility to schizophrenia among north Indians'. *J. Neuropsychobiology* 61(2): 64-70.

**Guruju, M.R., Lavanya, K., Thelma, B.K., Sujatha, M., Omsai, V.R., Nagarathna, V., Amarjyothi, P., Jyothi, A. and Anandaraj, M.P. 2009.** 'Assessment of a clinical checklist in the diagnosis of fragile X syndrome in India'. *J Clin Neurosci*. [Epub ahead of print].

**Sharma, S., Das, M., Kumar, A., Marwaha, V., Shankar, S., Singh, P., Raghu, P., Aneja, R., Grover, R., Arya, V., Dhir, V., Gupta, R., Kumar, U., Juyal, R. and Thelma, B.K. 2009.** 'Purine biosynthetic pathway genes and methotrexate response in rheumatoid arthritis patients among North Indians' *Pharmacogenetics and genomics*, 19(10): 823-28.

**Juyal, G., Midha, V., Amre, D., Sood, A., Seidman, E. and Thelma, B.K. 2009.** 'Associations between common variants in the MDR1 gene and ulcerative colitis among North Indians'. *Pharmacogenet Genomics*, 19(1): 77-85.

**Tiwari, A.K., Prasad, P., Thelma, B.K., Kumar, K.M., Ammini, A.C., Gupta, A. and Gupta, R. 2009.** 'Oxidative stress pathway genes and chronic renal insufficiency in Asian Indians with Type 2 diabetes' (*Journal of Diabetes and Its Complications*, 23(2): 102-11.

**Bhullar, S., Chakravarthy, S., Pental, D. and Burma, P.K. 2009.** 'Analysis of promoter Activity in Transgenic Plant by Normalizing with reference Gene: Anomalies Due to influence of Test Promoter on Reference Promoter'. *Journal of Bioscience*, 34(6): 953-62.

**Rawat, P., Kumar, S., Pental, D. and Burma, P.K. 2009.** 'Inactivation of a transgene due to transposition of insertion sequence (IS136) of *Agrobacterium tumefaciens*'. *Journal of Bioscience*, 34 (2): 199-202.

**Bisht, N.C., Gupta, V., Ramchiary, N., Sodhi, Y.S., Mukhopadhyay, A., Arumugam, N., Pental, D. and Pradhan, A.K. 2009.** 'Fine mapping of loci involved with glucosinolate biosynthesis in oilseed mustard (*Brassica juncea*) using genomic information from allied species'. *Theor. Appl. Genet.* 118: 413-21.

**Panjabi-Massand, P., Yadava, S.K., Sharma, P., Kaur, A., Kumar, A., Arumugam, N., Sodhi, Y.S., Mukhopadhyay, A., Gupta, V., Pradhan, A.K. and Pental, D. 2010.** 'Molecular mapping reveals two independent loci conferring resistance to *Albugo candida* in the east European germplasm of oilseed mustard *Brassica juncea*'. *Theor. Appl. Genet.* 121: 137-45.

**Malhotra, M. and Srivastava, S. 2009.** 'Stress-responsive indole-3-acetic acid biosynthesis by *Azospirillum brasilense* SM and its ability to modulate plant growth'. *Eur J. Soil Biol* 45: 73-80.

**Kumar, M., Tiwari, S.K. and Srivastava, S. 2009.** 'Purification and Characterization of Enterocin LR/6, a Bacteriocin from *Enterococcus faecium* LR/6'. *Appl Biochem Biotechnol*, DOI 10.1007/s12010-009-8586-z

**Kumar, M. and Srivastava, S. 2009.** 'Antilisterial Activity of a Broad Spectrum Bacteriocin Enteriocin LR/6 from *Enterococcus faecium* LR/6'. *Appl Biochem Biotechnol*, DOI 10.1007/s1201-009-8851-1.

**Bisht, N.C., Gupta, V., Ramchiary, N., Sodhi, Y.S., Mukhopadhyay, A., Arumugam, N., Pental, D. and Pradhan, A.K. 2009.** 'Fine mapping of loci involved with glucosinolate biosynthesis in oilseed mustard (*Brassica juncea*) using genomic information from allied species'. *Theor. Appl. Genet.* 118: 413-21.

## PLANT MOLECULAR BIOLOGY

### Major Activities

#### Genes regulating Plant development

At present, the focus in our group is on the functional validation of cryptochromes, CRY1 and CRY2, in *Brassica* sp., valued for their oilseed. The over-expression of BnCRY 1 in *B. juncea* causes inhibition of seedling hypocotyl growth. Microarray analysis revealed that a

large number of genes are differentially expressed in BnCRY1 over-expression transgenics. The prominent down-regulated genes include those encoding for enzymes of GA biosynthetic pathway, auxin signaling and cell wall metabolism. The components involved in light regulated gene expression, such as HY5 and HFR 1, are up-regulated in these transgenics. It is thus possible that these light signaling components target the genes, such as GA200x and GA30x, and some Aux/IAAs, PINOID proteins, down-regulating their expression, thus causing decrease in GA/auxin action, resulting in inhibition of seedling hypocotyl growth, exhibiting a dwarf phenotype.

### **Deciphering the role of calcium and phosphatase mediated signaling pathways under abiotic stress conditions in plants**

Abiotic stresses such as drought, salinity and freezing pose major threat to crop productivity worldwide. To meet the food supply for the growing population and to overcome the loss of crop productivity because of unfavorable conditions, plant biologist faces a great challenge to improve the crop quality as well as quantity. Researcher from several disciplines of biology such as breeding, genetic engineering and molecular biology are exploring and extensively working to understand the basis of stress tolerance which will eventually leads to develop the crops that can tolerate higher degree of stresses without losing crop quality and yield.

We are focusing on understanding the functional regulation of CBL-CIPK and phosphatase mediated signaling pathway under abiotic stresses, nutrient limitation (calcium, potassium and nitrate) and different developmental stages of the plant, such as during seed development which involves a gradual process of desiccation or dehydration in rice and *Arabidopsis*.

By performing a genome wide analysis, we have identified the full complement of phosphatases (131 genes), which comprised of several sub-families such as PP2A, PP2C, DSP, PTP and LMWP. We are also trying to understand the mechanistic role of different CBL-CIPK (calcineurin B-like protein and its interacting protein kinase) members in abiotic stress signaling. We are using multiple approaches such as cell biology, genetics, and biochemistry to understand the detail functional role of these stress regulated phosphatases and kinase where we aim to generate the transgenic lines of these signaling components, which can make plant less susceptible to adverse conditions

### **Stress Molecular Biology**

Database search was performed to investigate the sHsp gene family across rice genome sequence followed by expression analysis of these genes. Phylogenetic analysis showed that 23 genes constitute sHsps. Detailed scrutiny enabled us to categorize these proteins in a classification constituting of 16 cytoplasmic/nuclear, 2 ER, 3 mitochondrial, 1 plastid and 1 peroxisomal genes. In the new classification proposed, nucleo-cytoplasmic class of sHsps with 9 subfamilies is more complex in rice than in *Arabidopsis*. Expression analysis based on RT - PCR showed that 19 sHsp genes were upregulated by high temperature stress. In addition to stress regulation, various sHsp genes were differentially up regulated at different developmental stages of the rice plant.



## Plant Biotechnology

As wheat is a temperate crop, it is prone to heat stress during the grain filling stages (seed maturation) in the northern regions of India, while heat stress during seedling stages is more prevalent in the mid-western regions of India. To elucidate the effect of high temperature, four subtractive cDNA libraries, three forward and one reverse subtraction, were constructed from three different developmental stages of wheat plants. More than one third of the ESTs generated fall in unknown/no hit category upon homology search through BLAST analysis. A large number of high temperature responsive genes have been identified and characterized. Reverse subtraction analysis in developing grains showed extensive transcriptional changes upon heat stress as revealed by comparative analysis with forward subtraction. Differential expression was confirmed by cDNA macroarray and by northern/RT-PCR analysis. Selected genes were analyzed in further detail, by quantitative real-time PCR in an array of different wheat tissues representing major developmental stages as well as different abiotic stresses. Tissue specificity was examined along with cross talk with other abiotic stresses and putative signaling molecules. Results obtained contribute towards understanding the regulation of genes at different developmental stages in wheat crucial to withstanding and recovery from heat stress.

Towards enhancing the nutritional status of important crops, we have identified all the members of carotenoid and tocopherol biosynthesis gene family in rice and *Populus*, and some genes coding for carotenoid and tocopherol biosynthesis in wheat. In rice these genes were studied with respect to their intron-exon structure, chromosomal localization, domain structure and expression pattern in different tissues. Expression of rice and *Populus* genes has been analyzed by full-length cDNA and EST-based expression profiling. In rice, this analysis was complemented by real-time PCR and microarray analysis, and revealed that carotenoid biosynthesis genes are highly expressed in light-grown tissues, have differential expression pattern during vegetative/reproductive development and are responsive to stress. Similarly, full-length cDNA and EST-based analysis has been carried out for expression profiling of vitamin E in rice and *Populus*. Real-time PCR analysis was done in rice to further validate the expression pattern and revealed that tocopherol biosynthesis genes are highly expressed in light-grown shoot and seed tissues.

Wheat transgenics with *HVA1* gene have also been developed for their tolerance against drought and salinity stress. Dihaploids have been used to create a homozygous population which would prevent segregation of the trait in the progeny. Anther culture-derived haploid embryos were used as explants for *Agrobacterium-mediated* genetic transformation of bread wheat using barley *HVA1* gene for drought tolerance. Stable transgenic doubled haploid plants were obtained and transgene expression was monitored till T<sub>4</sub> generation. Doubled haploid transgenic plants have faster seed germination and seedling establishment and show better drought tolerance in comparison to non-transgenic, doubled haploid plants, as measured by percent germination, biomass accumulation, seedling growth, nitrate reductase enzyme activity and plant yield under post-anthesis water limitation. This is the first report on the production of double-haploid transgenic wheat through anther culture technique in a commercial cultivar for a desirable trait.

Towards development of transgenic mulberry (*Morus indica*) for abiotic stress second-level, genetic transformation of mulberry with inducible promoters was undertaken and molecular characterization carried out. The transgenic mulberry have been seen to retain better moisture content than the non-transgenics and show better cellular membrane stability, photosynthetic yield, lesser photo-oxidative damage and better water use efficiency than their non-transgenic counterparts. Subsequently, they have also been characterized for tolerance against cold stress. The mulberry transgenics have also been tested for their suitability for silkworm rearing, and subsequently transferred to the Central Sericulture and Research and Training Institute (CSR&T1), at Mysore, for field-level analysis. Likewise, transgenics of mulberry over-expressing tobacco osmotin gene showing tolerance against salinity, drought and even fungal pathogens have been developed.

In mulberry, genes expressed differentially during drought stress response have been examined by PCR-Select subtractive hybridization. The sensitive and tolerant genotypes were identified based on physiological evaluation by determination of proline content, electrolyte leakage and measurement of relative water content. The ESTs generated from this subtracted cDNA library comprises a broad repertoire of stress responsive genes, which contribute to the process of drought tolerance in mulberry. The expression of a select number of these drought inducible genes was studied based on cDNA macroarray and northern blot analyses. Functional characterization of these genes is in progress.

### **Improving cold tolerance of tomato**

A fruit-specific promoter was cloned from tomato. At red ripe stage its expression increased up to 150-fold. Further, for achieving delay in fruit ripening 2 genes, namely *LeEIL1* and *LeEIL3* have been targeted for RNAi. Promoters of *LeAOX1a* and *LeAOX1b* were cloned and analyzed by placing upstream to *gus* reporter gene. Initial studies show strong stress inducibility of GUS reporter enzyme. Tomato plants were transformed with *LeMPK3* gene driven by constitutive promoter for improving cold tolerance .

### **Molecular Virology**

In a research project aiming to characterize a viral promoter, a resident negative control element in the transcribed region was seen to be active on other unrelated promoters as well. Moreover, this element was independent of its orientation and position in the promoter. This indicated that the element is exerting its negative influence at the stage of transcription (formation of mRNA) rather than mRNA stability. In another research project to achieve resistance against the virus causing mosaic in cassava (a plant bearing starchy tuberous roots, an important source of dietary and industrial starch), transgenic tobacco plants bearing a viral DNA construct, giving rise to RNA-interference, were seen to be resistant to the virus. This maybe extended in future to achieve resistance against the virus in cassava.

### **Stress-specific genomics of small non-coding RN As in wheat and Rice**

Genomics of small non-coding RNAs involved in stress responses in plants Small non-coding RNAs are known to regulate gene expression by guiding mRNA cleavage, translational

inhibition or chromatin modifications in eukaryotes. They play diverse roles in not only regulating plant development but also controlling plant responses to abiotic and biotic stresses. We are involved in identification and characterization of small RNAs involved in plant development, biotic and abiotic stress responses in economically -important plant, wheat. Wheat seedlings were exposed to high temperature stress and tissue was harvested along with control untreated seedlings. Small RNA-cDNA libraries were constructed which were subsequently sequenced using high-throughput Illumina's I G genome analyzer sequencing system. Sequencing data analysis shows high throughput good-quality sequencing of approximately 4-5 million tags in each sample. We have designed elimination pipeline for the analysis of these sequences. For advanced analysis, scripts were designed for prediction of micro RNAs. MicroRNAs were predicted and our analysis shows that in control wheat library containing 16420 sequences, 4241 mapped in wheat genome and in case of heat-stress library, 2395 mapped out of total 13291 sequences. Their precursor sequences were extracted with 100-200 nt flanking sequences from both sides which were further passed through SVM for filtering good quality RNA hair-pin structures. Finally, 94 sequences were identified in control, which were forming valid structures and 55 exhibited good hairpin structures in heat stress library. Efforts are being made to validate selected conserved and novel miRNAs employing small RNA northern analysis and q-PCR. Furthermore, the DBT-funded Open facility for high-throughput sequencing facility using Illumina I G Genome Analyzer Sequencing Platform is functional.

During the period major emphasis was given to study the microRNA population in different tissues as well as different cultivars of *indica* rice. To identify novel miRNAs in *indica* rice cultivars, small RNA cDNA library was prepared from leaf and inflorescence tissue and deep sequencing was done to generate 10 million sequences each. Data analysis is in progress to identify novel miRNAs from the sequence data. Subsequently, expression profiling of known miRNAs has been done to identify their profile under drought stress. On the other hand, work has also been initiated to conceive logistics for manual literature-based curation of all the rice proteins with a view to develop a protein-centric interaction database of rice. Instead of a simple data compilation, the database would attempt to logically interconnect the various genomic elements on the basis of published information.

### **Functional Genomics**

Dr. Sanjay Kapoor's group has been working to understand the molecular basis of anther (the male floral organ) development using high throughput transcriptomics. Recently they have carried out a comprehensive analysis of rice anther transcriptomes at four distinct stages of development [viz., pre-meiotic (PMA), meiotic (MA), anthers at single-celled (SCP) and tri-nucleate pollen (TPA)] with a focus to identify regulatory components contributing to male meiosis and germline development. This analysis has revealed sub-sets of genes that express specifically or predominantly in a stage-specific manner, of which, about 50% have not been annotated so far. These data not only provide the transcriptome constituents of four landmark stages of anther development but also identify genes that express exclusively in these stages and therefore may contribute to specific aspects of

anther and/or male gametophyte development in rice. Moreover, these gene sets assist in building a deeper understanding of underlying regulatory networks and in selecting candidates for gene function validation.

Furthermore their group also works for identification and functional characterization of components of the RNAi machinery. In this regard they have identified and characterized cytosine DNA MTase genes that are activated with the onset of reproductive development in rice. The rice genome (*Oryza sativa* L. subsp. japonica) encodes a total of 10 genes that contain the highly conserved MTase catalytic domain. These genes have been categorized into subfamilies on the basis of phylogenetic relationships. A microarray-based gene expression profile of all 10 MTases during 22 stages / tissues that included 14 stages of reproductive development and five vegetative tissues together with three stresses, cold, salt and dehydration stress, revealed specific windows of MTase activity during panicle and seed development. The expression of six methylases was specifically / preferentially upregulated with the initiation of floral organs. Significantly, one of the MTases was also activated in young seedlings in response to cold and salt stress. These data suggest a greater role for the epigenetic process in affecting genome activity during reproductive development and stress than was previously anticipated.

### **Ph.D./M.Phil Degrees awarded**

Ph.D.	-	5
M.Phil.	-	3

### **Research Schemes**

<i>Title</i>	<i>Sponsoring Organization</i>
Investigating the interactions between Cassava mosaic viruses, satellite DNAs and whiteflies.	DBT
Generation of transgenic marker-free virus resistance in okra using RNA-interference.	DU/DST-PURSE Grant
Bioprospecting of genes and allele mining for abiotic stress tolerance.	NAIP, ICAR
Gene expression profiling during flower and seed development and functional validation of identified genes, sub-project Development of virus-based gene silencing system for gene discovery in rice.	DBT
Genome-wide screening of factors of RNAi in Sf21 cells and identification of antiviral Compounds from chemical combinatorial library.	DBT

National Consortium for Functional Genomics of Rice (NCFGR): Phase-II, Functional Analysis of Gene Regulatory Networks During Flower and Seed Development in Rice.	DBT
Functional genomics of thermal tolerance in wheat.	DBT
Profiling of small non-coding regulatory RNAs in Indian rice cultivars.	DBT
To determine the molecular basis of potassium nutrition/ Signaling and functional analysis of this calcium mediated CBL-CIPK network under potassium deficient condition.	DBT
Calcium, Potassium and nitrate Nutrition dependent transcriptomic profiling in rice and its Biotechnological implication.	DBT
Identification and functional characterization of targets of CIPK3, a calcineurin B-like associated proteinkinase, in Arabidopsis in ABA-mediated abiotic stress signaling.	DST
Elucidation of novel AP2-domain line (ERF; ethylene response factor) genes from rice involved in ABA and abiotic stress signaling.	UGC
Characterizing novel globins across species and deciphering their stress response and interacting partner: An integrated, holistic approach for function lucidation.	DU/DST-PURSE Grant
Identification and expression analysis of abiotic stress and reproductive development regulated phosphatases in rice.	CSIR
<i>Programme taken up involving inter-institutional collaboration</i>	
Development of virus-resistant rice for India: Diversifying transgenic resistance to popular varieties in collaboration with Bidhan Chandra Krishi Viswavidyalaya, Kalyani, West Bengal and Tamilnadu Agricultural University, Coimbatore, Tamilnadu.	DBT

Genome-wide screening of factors of RNAi in Sf21 cells and identification of antiviral compounds from chemical combinatorial library. DBT in Collaboration with ICGEB

DBT

### **Honours/Distinctions**

**Prof. J.P. Khurana:** Appointed General Secretary, National Academy of Sciences, India (2010--2013)

Platinum Jubilee Lecture award (Plant Science Section), 97<sup>th</sup> Indian Science Congress, held at Thiruvananthapuram, Kerala, in January 2010.

Awarded 'Tata Innovation fellowship' by the Department of Biotechnology, Government of India (2010-2013).

Fellow, Indian Academy of Sciences, Bangalore, India.

Editorial Board, Journal of Seribiodiversity, Central Silk Board, India.

Editorial Board, Physiology and Molecular Biology of Plants, Springer, India.

Member, Taskforce on Seribiotechnology, Department of Biotechnology, Ministry of Science & Technology, Government of India.

**Prof. Indranil Dasgupta:** Elected Fellow, National Academy of Sciences India, Allahabad  
Elected Fellow, Indian Academy of Sciences, Bangalore.

### **Seminars/Conferences held**

Annual student symposium was held in the Department on 19--20 February 2010.

**Prof. J.P. Khurana;** Organized International Workshop "The 6<sup>th</sup> SOL Genome Workshop 2009 (on Solanaceae Genomics), at Hotel Le Meridien, New Delhi., from 8-13 November 2009.

UGC-SAP sponsored Workshop on "Molecular Biology & Biotechnology – Current Trends", at University of Delhi South Campus, in March 2010.

### **Seminar/Conferences attended**

**Prof. J.P. Khurana:** Delivered a lecture in an Indo-US Joint Working Group meeting organized by the DBT, at NIPGR, New Delhi, in April 2009.

Chaired a session and delivered a lecture during the National Symposium on 'Frontiers in Photobiology' held at BARC, Mumbai, on the occasion of the Bhabha Centenary Year, in August 2009.

Delivered a lecture in the inaugural function of the Botanical Society of Deshbandhu College, Kalkaji, New Delhi, in September 2009.

Delivered a lecture under the auspices of the Botanical Society of Shivaji College, New Delhi, in November 2009.

Delivered an Invited Lecture in an International Conference on Plant Systems Biology, organized by the University College of Science and Technology, Calcutta University, Kolkata, in December 2009.

Participated in the Conference organized to celebrate the Platinum Jubilee of INSA, at Saha Institute of Nuclear Physics, Kolkata, in December 2009.

Delivered an invited lecture in “Winter workshop 2009”, organized by School of Life Sciences, JNU, under the auspices of ‘UGC Network Programme’, in December 2009.

Delivered an invited lecture in the “International conference on Biotechnology Based Sustainable Agriculture”, at Hotel Le Meridien, New Delhi, organized by ILSI, on 19 December 2009.

Delivered Platinum Jubilee Lecture (Plant Science) in the 97<sup>th</sup> Indian Science Congress, organized by the University of Kerala and ISRO, at Thiruvananthapuram, in January 2010.

Delivered a lecture in Indo-French Symposium organized at NBRI, Lucknow, in January 2010.

Delivered a lecture in Indo-US Interactive Mini-Symposium on Agriculture Biotechnology, at NIPGR, New Delhi, in February 2010.

Chaired a Session and delivered an invited lecture in the International Conference on “Role of Biomolecules in Food Security and Health Improvement”, held at BHU, Varanasi, in February 2010.

Chaired a Session and delivered a Plenary Lecture in the “National Symposium on Plant Tissue Culture: The Present Scenario”, held at Calcutta University, Kolkata, in March 2010.

**Prof. P.K. Khurana:** Participated in “Nematode resistance in wheat transgenics expressing potato proteinase inhibitor gene (*pin2*) and its influence on plant yield and nematode fecundity” at the First International Cereal Cyst Nematodes Initiative, organized by CIMMYT at Antalya, Turkey, 21-23 October 2009.

“Sixth Solanaceae Genome Workshop” at New Delhi, 8-13 November 2009.

Genoinformatics for Crop Improvement”, at the National Workshop on “Statistical and Computational issues in Genomics” organized by Indian Agricultural Statistical Research Institute, IARI, on 22 June 2009.

Invited presentation on “Use of Databases/Informatics in Plant Sciences”, at the Specialists Meeting on Advances in Scientific Databases in India (SMASD), organized by Indira Gandhi Centre for Atomic Research (IGCAR) and Indian National Science Academy (INSA), at Annupuram, Kalpakam, 10-11 August 2009.

“Comparative and Functional Genomics for Quantitative and Qualitative Improvement of Indian Bread Wheat”, at the National Symposium on “Food Security and Environmental Sustainability” organized by Indian Institute of Technology, Kharagpur, India. 17-19 December 2009.

“Plant Biotechnology for Health Care Products” at the “Gene to Vial concept for Biotechnology based Healthcare Molecules”, at Vellore Institute of technology, Vellore, 7-10 February 2010.

**Prof. Anil Grover:** Presented talk in India-USA meeting organized at Hissar Agricultural University, Hissar, February 2010.

Invited as Guest Speaker and presented 2 talks in workshop on “Recent Advances in Biotic Stress Tolerance in Plants”, organized by ICGEB at University of Cairo, Egypt, February 2010.

**Prof. Indranil Dasgupta:** Atten Delivered a talk as an Invited Speaker National Symposium on Genomics and Crop Improvement: Relevance and Reservations, 27 February, 2010 at Acharya N. G. Ranga Agricultural University, Hyderabad.

Participated in “VIROCON-20 10” XIX National Conference on Recent Trends in Viral Disease Problems and Management, held at Sri Venkateswara University, Tirupati, Delivered a Lead Lecture in the Conference and Co-Chaired a Session, 18-20 March, 2010.

**Dr. Arun sharma:** Participated in 6<sup>th</sup> International Solanaceae Genome Workshop at Hotel Le Meridien New Delhi as Co-chaired a session on “RNAi and Emerging Areas”, 8-13 November 2009

**Dr. Girdhar Pandey:** Functional analysis of CBL-CIPK signaling network under abiotic and nutrient deficient signaling: In”search of alternative mechanistic signaling pathway. National Academy of Agricultural Science, Seodun-dong Suwon, Republic of Korea, 8 May 2009.

## **Publications**

**Anand, S., and Tyagi, A.K. 2009.** Characterization of a pollen-preferential gene *OSIAGP* from rice (*Oryza sativa* L. subspecies indica) coding for an arabinogalactan protein homologue, and analysis of its promoter activity during pollen development and pollen tube growth. Transgenic Research.

**Borah, B.K., Johnson, A.M.A., Sai Gopal, D.V.R. and Dasgupta, I. 2009.**

Sequencing and computational analysis of complete genome sequences of Citrus yellow mosaic badna virus from acid lime and pummelo. *Virus Genes* 39: 137-40.

**Chaudhary, N. and Khurana, P. 2009.** Vitamin E biosynthesis genes in rice:

Molecular characterization, ex-pression profiling and comparative phylogenetic analysis. *Plant Science* 177: 479-491.



- Ganesan, U, Suri, S.S., Rajasubramaniam, S., Rajam, M.V. and Dasgupta, I. 2009.** Transgenic expression of coat protein gene of *Rice tungro bacilliform virus* in rice reduces the accumulation of viral DNA in inoculated plants. *Virus Genes* 39:113-19.
- Ghangal, R., Raghuvanshi, S. and Sharma, P.C. 2009.** Isolation of good quality RNA from a medicinal plant seabuckthorn, rich in secondary metabolites. *Plant Physiology and Biochemistry* 47: 1113-5.
- Gupta, V., Raghuvanshi, S., Gupta, A., Saini, N., Gaur, A., Khan, M.S., Gupta, R.S., Singh, Duttamajumder, S.K., Srivastava, S., Suman, A., Khurana, J. P., Kapur, R., and Tyagi, A. K. 2009.** The water-deficit stress- and red rot -related genes in sugarcane. *Functional & Integrative Genomics*. 10: 207-214.
- Jain, M., & Khurana, J.P. 2009.** Transcript profiling reveals diverse roles of auxin-responsive genes during reproductive development and abiotic stress in rice. *FEBS. J.* 276: 3148-3162.
- Khurana, J.P., Chatterjee, M., Sharma, P. and Kumar, D., 2009.** Blue light sensing cryptochromes: Structure-function perspective and their genetic manipulation in plants. *Proc. Nat. Acad. Sci, India* 79: 81-103.
- Kathuria, H., Giri, J., Nataraja, K.N., Murata, N., Udayakumar, M. and Tyagi, A.K. 2009.** Glycinebetine-induced water-stress tolerance in *codA-expressing* transgenic indica rice is associated with up-regulation of several stress responsive genes. *Plant Biotech. J.* 7: 512-26.
- Mittal D, Chakraborty, S., Sarkar, A., Singh, A. and Grover, A. 2009.** Heat shock factor gene family in rice: genomic organization and transcript expression profiling in response to high temperature, low temperature and oxidative stresses. *Plant Physiology and Biochem.* 47:785-795.
- Mishra, M., Das, R. and Pandey, G.K. 2009.** Role of ethylene responsive factors (ERFs) in abiotic stress mediated signaling in plants. *eJournal of Biological Sciences* 1: 133-146.
- Purkayastha, A. and Dasgupta, I. 2009.** Virus-induced gene silencing: A versatile tool for discovery of gene functions in plants. *Plant Physiology and Biochemistry* 47: 967-976.
- Sarkar, N.K., K Yeon-Ki and Grover, A. 2009.** Rice sHsp genes: genomic organization and expression profiling under stress and development. *BMC Genomics* 10: 393.
- Saini, V., Raghuvanshi, S., Talwar, G.P., Ahmed, N., Khurana, J.P., Hasnain, S.E. and Tyagi, A.K. 2009.** Polyphasic taxonomic analysis establishes *Mycobacterium indicus pranii* as a distinct species. *PLoS One* 4, e6263.
- Singla, B., Khurana, J.P. and Khurana, P. 2009.** Structural Characterization and Expression Analysis of the SERKSERL Gene Family in Rice (*Oryza sativa*). *Int. J. Plant Genomics* 539402.

- Sharma, R., Mohan Singh, R.K., Malik, G., Deveshwar, P., Tyagi, A.K., Kapoor, S. and Kapoor, M. 2009.** Rice cytosine DNA methyltransferases -gene expression profiling during reproductive development and abiotic stress. *FEBS J.* 276: 6301-11.
- Shalini, L. and Khurana, P. 2009.** Differential responses of Indian mulberry towards salinity stress and water use efficiency. *Sericologia.* 49: 353-64.
- Shalini, L., Ravi, V., Tyagi, A.K., Khurana, J.P. and Khurana, P. 2009.** Repertoire of leaf expressed tags (ESTs) from mulberry: A valuable resource for functional genomics. *Tree Genetics & Genomes* 5: 359-74.
- Sharma A.K. and Sharma M.K. 2009.** Plants as bioreactors: Recent developments and emerging opportunities. *Biotechnology Advances* 27: 811-32.
- Sharma, M.K., Solanke, A.U., Jani, D., Singh, Y. and Sharma, A.K. 2009.** A simple and efficient *Agrobacterium-mediated* procedure for transformation of tomato. *J. Biosc.* 34: 423-33
- Solanke, A.U., Sharma, M.K., Tyagi, A.K. and Sharma, A.K. 2009.** Characterization and phylogenetic analysis of environmental stress-responsive SAP gene family encoding A20/ANI zinc finger proteins in tomato. *Mol. Genet. Genomics.* 282 : 153-64.
- Chaudhary, N., Nijhawan, A., Khurana, J.P. and Khurana, P. 2010.** Carotenoid biosynthesis genes in rice: Structural analysis, genome-wide ex-pression profiling and phylogenetic analysis. *Molecular Genetics & Genomics* 283: 13-33.
- Cheong, Y.A., Sung, S.J., Kim, B-G. Pandey, G.K., Cho, J-S, Kim, K-N. and Luan, S. 2010.** Constitutive overexpression of the calcium sensor *CBL5* confers osmotic or drought stress tolerance in *Arabidopsis*. *Mol Cells.* Jan 12. [Epub ahead of print].
- Gaur, R., Grover, T., Sharma, R., Kapoor, S. & Khare, S.K. 2010.** Purification and characterization of a solvent stable aminopeptidase from *Pseudomonas aeruginosa*: Cloning and analysis of aminopeptidase gene conferring solvent stability. *Process Biochemistry* doi:10.1016/j.procbio.2010.01.017.
- Gupta, V., Raghuvanshi, S., Gupta, A., Saini, N., Gaur, A., Khan, M.S., Gupta, R.S., Singh, J., Duttamajumder, S.K., Srivastava, S., Suman, A., Khurana, J.P., Kapur, R. and Tyagi, A.K. 2010.** The water-deficit stress-and red-rot-related genes in sugarcane. *Func. Integ. Gen.* 10: 207-14
- Raghuvanshi, S., Kapoor, M., Tyagi, S., Kapoor, S., Khurana, P., Khurana, J.P. and Tyagi, A.K. 2010.** Rice genomics moves ahead. *Mol Breeding* DOI 10.1007/s11032-009-9367-7 (IF: 2.0).
- Singh, A., Singh, V., Mittal, D. and Grover. A. 2010.** Genome-wide analysis of rice ClpB/HSP1 00, ClpC and ClpD genes. *BMC Genomics* 11: 95.

**Gupta, V., Mathur, S., Solanke, A.D., Sharma, M. Kumar, K., Vyas, R., Khurana, P., Khurana, J.P., Tyagi, A.K. and Sharma, A. K. 2009.** Advances in tomato biotechnology. *Crit. Rev. Biotechno.* 24: 1-30.

**Mishra, M., Das, A., & Pandey. G.K. 2009.** Role of ethylene responsive factors (ERFs) in abiotic stress mediated signaling in plants. *eJournal of Biological Sciences*, 1: 133-46.

**Katiyar-Agarwal S\* and Jin H\* 2010.** Role of small RNAs in host-microbe interactions. *Annual Review of Phytopathology*. Volume 48.

**Grover, A., Chandramouli, A., Agarwal, S., Katiyar-Agarwal, S., Agarwal, M. & Sahi, C. 2009.** Transgenic rice for tolerance against abiotic stresses. In *Rice Improvement in the Genomic Era* (Datta, S.K. ed. IRRI), Hawarth Press, USA 237-67.

**Khurana, P. & Singla, B. 2009.** Unravelling the molecular basis of somatic embryogenesis. In: Kumar, A., Shekhawat, N.S. & Sopory, S., eds.), *Professor Arya Commemorative Volume, Plant Tissue Culture and Molecular Markers: Their Role in Improving Crop Productivity*, pp. 141-154. Kluwer Publishers, New Delhi, India.

**Ray, S., Dansana, P.K., Bhaskar, A., Giri, J., Kapoor, S., Khurana, J.P. & Tyagi, A.K. 2009.** Emerging trends in functional genomics for stress tolerance in crop plants. In: Hirt, H. (ed), *Plant Stress Biology*, pp. 37-63. Wiley-VCH Verlag GmbH & Co., Weinheim, Germany.

## MICROBIOLOGY

### Major Activities

In the area of microbial biotechnology, the key focus is fermentation, heterologous expression of industrially important enzymes, and characterization and application of various enzymes and bioactive molecules. The bench scale process for xylanase, laccase, pectinase and protease production in submerged and solid state fermentation have been developed for application in bleaching of soda pulp and handmade paper pulp, respectively. Xylanase and laccase are being evaluated at pilot scale for their application in pulp bleaching in collaboration with Industry and CPPRI, Saharanpur. Processes are being developed for bioconversion of wheat straw into improved ethanol feed and bioethanol production from plant materials. Recently, laccase has successfully catalyzed the synthesis of oxaflovan. An efficient amperometric polyphenol biosensor based on laccase immobilized on epoxy resin membrane has been developed.

Biodiesel production using microbial lipases has been scaled up to a 5 L batch size. Production of lipase from *Thermomyces lanuginosus* was carried out in submerged (300 L) and solid state fermentation (1 kg size) successfully. Scale up of a protease and a lipase in a 700 L fermentor has been validated at in the Central Leather Research Institute, Chennai. Also,

production for a fungal tannase has been scaled up to 300 L fermentor. Production of shikimic acid by microbial route is being worked out. In anaerobic fermentation, significant progress has been achieved in production and optimization of 1,3 propanediol and n-butanol up to a 30 L fermentor.

The gene encoding  $\alpha$ -carbonic anhydrase of *Bacillus pumilus*, hyperthermostable  $\alpha$ -amylase and thermostable endoxylanase of *Geobacillus thermoleovorans* have been cloned in *E. coli* and sequenced. The acidic  $\alpha$ -amylase of *Bacillus acidicola* has been found to hydrolyze raw and soluble starches and useful in improving the shelf life of bread. The structure–function study of glucoamylase of *Thermomucor indicae-seudaticae* suggested that the active site is in the  $\alpha$ -helix part of the enzyme. By the metagenomic approach, gene encoding thermostable and alkalistable xylanase was recovered from compost, sequenced and cloned. Three strains of *Bacillus halodurans* strains have been isolated from environmental samples which have exhibited endoxylanase activities.

A novel heterodimeric keratinase from *Bacillus licheniformis* has been reported and its application as an ungual enhancer was studied. Prion degrading keratinase from *Pseudomonas aeruginosa* and *Bacillus pumilus* have been characterized, cloned and sequenced. Gamma glutamyl transpeptidase from *Bacillus* sp. were expressed in *E. coli*, and used for synthesis of pharmaceutically important gamma glutamyl peptides.

The use of multilocus enzyme electrophoresis (MLEE) showed that the aquatic and clinical strains of *Yersinia enterocolitica* isolated from India constituted two distinct clusters. Furthermore, analysis of multilocus variable number tandem repeats (VNTR) by minimum spanning tree revealed that aquatic *Yersinia enterocolitica* strains represent the primordial species from which the clinical strains seems to have been evolved. Using suppression subtractive hybridization (SSH) between the clinical and non-clinical strains of *Y. enterocolitica*, more than 120 clones have been identified which are being analysed to identify novel virulence-related genes in the clinical strains to understand the mechanism of their pathogenicity.

DNA replication and chromatin modifications are being studied in *Leishmania*. The genes encoding several replication proteins and histone acetylases have been cloned, and recombinant proteins purified. Antibodies have been raised to some of them and their expression is being characterized. The proteins are also being characterized biochemically. In mycobacterial species, toxin-antitoxin loci are being characterized, with all the genes of these loci having been cloned out and several of them being expressed. The functional significance of these loci is being investigated.

#### **Ph.D. Degrees awarded**

Ph.D. - 6

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Biotechnology for Leather: Towards cleaner processing.	Prof. R.K. Saxena	CSIR
Establishing a technology business incubator (TBI).	Prof. R.K. Saxena	DST
Enzymatic conversion of indigenous non-conventional oils and fats for bio-diesel production.	Prof. R.K. Saxena	MNRE
Microbial cellulose: A sustainable alternative to conventional fibers: process development, scale up, purification & potential applications'.	Prof. R.K. Saxena	CSIR
Butanol: A sustainable alternative fuel: Production, process optimization, purification, scale up and evaluation.	Prof. R.K. Saxena	DBT
Novel carbohydrate metabolic enzymes using environmental genomics technique and their application.	Prof. T. Satyanarayana Dr. Yutaka Kawarabayasi	DST-JSPS
Cloning and expression of a high maltose -forming, calcium-independent and hyperthermostable $\alpha$ -amylase of extremely thermophilic bacterium <i>Geobacillus thermoleovorans</i> .	Prof. T. Satyanarayana	CSIR
Process development and application of pectinase for retting of plant fibers in collaboration with Jay biozyme Technologies, Pune.	Prof. R.C. Kuhad	SBIRI DBT
Bioconversion of cellulose into sugars and ethanol.	Prof. R.C. Kuhad	CSIR
Microbial production of biotech feed by solid state fermentation and recombinant DNA technology in collaboration with Ayurvet Ltd. Delhi.	Prof. R.C. Kuhad	DBT

Biochemical and molecular characterization of an enantioselective lipase from <i>Trichosporon asahii</i> MSR 54.	Prof. Rani Gupta	CSIR
Subtilisin-gamma Glutamyl Transpeptidase, a novel biocatalytic enzyme complex for efficient unguual drug delivery: Expression and protein-protein interaction.	Prof. Rani Gupta	DU-DST
Detection and analysis of emerging water-borne pathogens in the River Yamuna under an interdisciplinary project entitled –Development of indicators for anthropogenic, environmental and chemical stress on urban ecosystem: A study of aquatic and terrestrial ecosystems of Yamuna River catchment from National Capital Region.	Prof. J.S. Viridi	DU-DST-PURSE
Relationship between virulence and immune response to clinical and non-clinical strains of <i>Yersinia enterocolitica</i> isolated from India.	Prof. J.S. Viridi	ICMR
Identification and characterization of proteins involved in histone acetylations in the protozoan parasite <i>Leishmania major</i> .	Dr. Swati Saha	DBT
The regulation of histone acetylation events in <i>Leishmania major</i> .	Dr. Swati Saha	CSIR
Cloning and characterisation of a histone acetylase from <i>Leishmania donovani</i> .	Dr. Swati Saha	UGC

*Programmes taken up involving inter-institutional collaboration*

DST-JSPS international joint research project on ‘Novel carbohydrate metabolic enzymes using environmental genomics technique and their application’, Principal Investigator, Dr. Yutaka Kawarabayasi and Prof. T. Satyanarayana, Sponsoring Organization DST-JSPS.

**Appointments of faculty member to higher Posts/Assignments**

**Prof. J.S. Viridi:** Adjunct Faculty, Indian Agricultural Research Institute, New Delhi.  
Visiting Faculty, Jiwaji University, Gwalior.

### **Honours/Distinctions**

**Prof. R.C. Kuhad:** Elected President-Elect of Association of Microbiologists of India.

Nominated Guest Editor-for Special Issue of *Biodegradation*, An International journal.

**Prof. T. Satyanarayana:** Recipient of Dr. V.S. Agnihotrudu award of MSI in 2009.

**Prof. J.S. Virdi:** Y.S. Narayana Rao Oration Award by Indian Council of Medical Research.

### **Seminars/Conferences attended**

Oral presentation in III International Conference on Environmental, Industrial and applied Microbiology 'Biomicroworld' in Lisbon, Portugal, 2-4 December 2009.

South African Society of Microbiology Conference at Durban, South Africa.

International mini-symposium on *Pichia anomala* at Uppasala, Sweden.

50th Annual Conference of Association of Microbiologists of India at New Delhi, 15-18 December 2009.

International Conference on Climate Change and Sustainable Management of Natural Resources organised by ITM Universe-Gwalior, 10-12 November 2009.

Participated and delivered invited lectures in the National Conferences at Warangal, Coimbatore, Chennai and Varanasi.

Production of Cellulosic ethanol from sugarcane bagasse. International Conference on Climate change, Gwalior, 11-13 November 2009.

AMI and BRSI Conferences at NCL, Pune, and BHU, Varanasi.

Science Congress at Trivandrum.

MSI Conference at Goa.

Conferences at Patiala, Ahmedabad, Dehradun and Jaipur.

'Bioconversion of wheatstraw into value added cattle feed by RCK-1fungal isolate'. Biomicroworld, Lisbon, Portugal, 1-4 December 2009.

'Agrobacterium mediated genetic transformation of industrially important Basidiomycete fungi'. Biomicroworld, Lisbon, Portugal, 1-4 December 2009.

'Solid-State fermentation for bioconversion of wheat straw into upgraded animal feed'. 50th Annual Conference of Associational of Microbiologists of India-2008, Pune, 15-19 December 2009.

'Fungal delignification of lignocellulosics biomass improves the saccharification of cellulotics'. 50th Annual Conference of Associational of Microbiologists of India-2008, Pune, 15-19 December 2009.

**M.S. Dhar and J.S. Virdi:** 'Interaction of strains of two clonal groups of *Yersinia enterocolitica* with cultured cells in vitro'. 50th Annual Conference of Association of Microbiologists of India, National Chemical Laboratory, Pune, 15-19 December 2009.

**S. Nambram and J.S. Virdi:** 'Characterization of *Lactobacillus* spp. from probiotic preparations available commercially'. 50th Annual Conference of Association of Microbiologists of India, National Chemical Laboratory, Pune, 15-19 December 2009.

Presentation at International TB symposium at ICGEB, New Delhi, 2009.

### **Publications**

**Saxena, R.K., Gupta, P., Dutt, K., Misra, S. and Raghuwanshi, S. 2009.** 'Characterisation of cross-linked immobilized lipase from thermophilic mould *Thermomyces lanuginosa* using Glutaraldehyde'.

**Saxena, R.K., Tyagi, T.K., Ponnann, P., Singh, P., Bansal, S., Batra, A., Collin, F., Guillonneau, F., Jore, D., Patkar, S.A., Parmar, V.S., Rastogi, R.C. and Raj, H.G. 2009.** 'Moonlighting protein in *Starkeyomyces koorchalomoides*: characterisation of dihydrolipoamide dehydrogenase as a protein acetyltransferase utilizing acetoxycoumarin as the acetyl group donor'.

**Saxena, R.K., Kaushik, R., Marwah, R.G., Gupta, P., Saran, S., Saso, L. and Parmar, V.S. 2010.** 'Optimization of lipase production from *Aspergillus terreus* by response surface methodology (RSM) and its synthesis of partial glycerides under solvent free conditions'.

**Saxena, R.K., Anand, P., Saran, S., Isar, J. and Agarwal, L. 2010.** 'Microbial production of 1,2-Propanediol and its applications'. *Ind. Journal Microbiol.* 50(1): 2-11.

**Saxena, R.K., Dutt, K., Gupta, P., Saran, S. and Mishra, S. 2009.** 'Production of milk clotting protease from *Bacillus subtilis*'. *Appl. Biochem. Biotech.* 158: 761-72.

**Saxena, R.K., Anand, P., Saran, S. and Isar, J. 2009.** 'Microbial production of 1,3-propanediol: recent development and emerging opportunities'. *Biotechnology Advances* 27(6): 895-913.

**Satyanarayana, T. and Kaur, P. 2010.** 'Improvement in cell-bound phytase activity of *Pichia anomala* by permeabilization and applicability of permeabilized cells in soymilk dephytinization'. *J. Appl. Microbiol.* 108: 2041-49.

**Satyanarayana, T. and Kumar, P. 2010.** 'Characterisation of a neutral and thermostable glucoamylase from the thermophilic mould *Thermomucor indicae-seudaticae*: activity, stability and structural correlation'. *Appl. Biochem. Biotechnol.* 160: 879-90.

**Satyanarayana, T. and Singh, B. 2010.** 'Plant growth promotion by an extracellular HAP-phytase of a thermophilic mould *Sporotrichum thermophile*'. *Appl. Biochem. Biotechnol.* 160: 1267-76.



- Satyanarayana, T., Prabhu, C., Wanjari, S., Gawande, S., Das, S., Labhsetwar, N., Kotwal, S., Puri, A.K. and Rayalu, S. 2009.** 'Immobilization of carbonic anhydrase Enriched microorganism on biopolymer based materials'. *J. Molecular Catalysis B: Enzymatic*, 60: 13-21.
- Satyanarayana, T., Uma Maheswar and Rao, J.L. 2009.** 'Hyperthermostable, Ca<sup>2+</sup>-independent and high maltose-forming  $\alpha$ -amylase of an extreme thermophile *Geobacillus thermoleovorans*: Cultivation under aerobic and anaerobic conditions and production of enzymes by free and immobilized cells'. *Applied Biochemistry and Biotechnology*, 159: 464-77.
- Satyanarayana, T. and Kumar, P. 2009.** 'Overproduction of glucoamylase by a deregulated mutant of a thermophilic mold *Thermomucor indicae-seudaticae*'. *Applied Biochemistry and Biotechnology*, 158: 113-25.
- Kuhad, R.C., Mehta, G., Gupta, R. and Sharma, K.K. 2010.** 'Fed batch enzymatic saccharification of newspaper cellulose improves the sugar content in the hydrolysates and eventually the ethanol fermentation by *Saccharomyces cerevisiae*'. *Biomass and Bioenergy*.
- Kuhad, R.C., Sanghi, A., Garg, N., Gupta, V.K. and Mittal, A. 2010.** 'One-step purification and characterisation of cellulase-free xylanase produced by alkalophilic *Bacillus subtilis* ASH'. *Brazilian Journal of Microbiology*, 41: 467-76.
- Kuhad, R.C., Nagar, S., Gupta, V.K., Kumar, D. and Kumar, L. 2010.** 'Production and optimization of cellulase-free, alkali-stable xylanase by *Bacillus pumilus* SV-85S in submerged fermentation'. *Journal of Industrial Microbiology and Biotechnology*. 37: 71-83.
- Kuhad, R.C., Diwanian, S., Kharb. D. and Raghukumar, C. 2009.** 'Decolorisation of synthetic dyes and textile effluents by basidiomycetous fungi'. *Water, Air and Soil Pollution*. DOI 10.1007/s11270-009-0263-x (Available online).
- Kuhad, R.C., Sanghi, A., Garg, N., Kuhar, K. and Gupta, V.K. 2009.** 'Enhanced production of cellulase-free xylanase by alkalophilic *Bacillus subtilis* ASH and its application in Biobleaching of Kraft pulp'. *Bioresources*, 4: 1109-29.
- Kuhad, R.C. and Sharma, K.K. 2009.** 'An evidence of laccase in Archaea'. *Indian Journal of Microbiology*. 49: 00-00.
- Kuhad, R.C., Kidwai, M., Poddar, R. and Diwanian, S. 2009.** 'Laccase from basidiomycetous fungus catalyzed synthesis of substituted 5-deaza-10-oxaflavin via Domino reaction'. *Advance Synthesis and Catalysis*. 351: 589-95.
- Kuhad, R.C. and Gupta, R. 2009.** 'Biological remediation of Petroleum contaminants'. In: *Advances in Applied Bioremediation*, Soil Biology Series Vol. 17. (Editors) Singh, A., Kuhad, R.C. and Ward, O.P. Germany: Springer Verlag.

- Kuhad, R.C., Singh, A. and Ward, O.P. 2009.** 'Biological remediation of soil – An overview of global Market and available technologies'. In: *Advances in Applied Bioremediation*, Soil Biology Series Vol. 17. (Editors) Ajay Singh, A., Kuhad, R.C. and Ward, O.P. Germany: Springer Verlag.
- Kuhad, R.C., Gupta, R. and Sharma, K.K. 2009.** 'Separate hydrolysis and fermentation (SHF) of *Prosopis juliflora*, a woody substrate, for the production of cellulosic ethanol by *Saccharomyces cerevisiae* and *Pichia stipitis*-NCIM 3498'. *Bioresource Technology*, 100(3): 1214-20.
- Virdi, J.S. and Bhagat, N. 2009.** 'Molecular and biochemical characterisation of urease and survival of *Yersinia enterocolitica* biovar 1A in acidic pH in vitro'. *BMC Microbiology* 9:262.DOI: 10.1186/1471-2180-9-262.
- Virdi, J.S. 2009.** 'Microbes and Man'. In: *Life and Organism*, Part IV, Edited by Rangaswamy, N.S. for the GOI programme entitled – Project of History of Indian Science, Philosophy and Culture (PHISPC). New Delhi: Centre for Studies in Civilizations (funded by MHRD), pp. 237-56.
- Virdi, J.S. and Mallik, S. 2010.** 'Whole cell protein profiling reiterate phylogenetic relationships among strains of *Yersinia enterocolitica* biovar IA as discerned earlier by different genotyping methods'. *J. Applied Microbiology*. DOI:10.1111/J1365-2672.2010.04721.x.
- Gupta, R. and Sharma, R. 2010.** 'Substrate specificity characterization of a thermostable keratinase from *Pseudomonas aeruginosa* KS-1'. *J. Industrial Microbiology and Biotechnology*, DOI: 10.1007/s10295-010-0723-8.
- Gupta, R. and Tiwary, E. 2010.** 'Subtilisin- $\alpha$  glutamyl transpeptidase, a novel combination as unguinal enhancer for prospective topical application'. *Journal of Pharmaceutical Sciences*. DOI:10.1016/j.biortech.2010.02.090.
- 2010.** 'Medium optimization for a novel 58 kDa dimeric keratinase from *Bacillus licheniformis* ER-15: Biochemical characterization and application in feather degradation and dehairing of hides'. *Bioresource technology* DOI:10.1016/j.biortech.2010.02.090.
- 2010.** 'Improved catalytic efficiency of a monomeric  $\alpha$ -glutamyl transpeptidase from *Bacillus licheniformis* in presence of Subtilisin'. *Biotech Lett.* DOI: 10.1007/s10529-010-0271-3.
- Gupta, R., Kumar, S., Arora, N. and Bhatnagar, R. 2009.** 'Kinetic modulation of *Trichosporon asahii* MSR 54 lipase in presence of organic solvents: Altered fatty acid specificity and reversal of enantioselectivity during hydrolytic reactions', *Journal of Molecular Catalysis B: Enzymatic*, 59: 41-46.
- Gupta, R. and Kumar, S. 2009.** 'An extracellular lipase from *Trichosporon asahii* MSR 54: Medium optimization and enantioselective deacetylation of phenyl ethyl acetate', *Process Biochemistry*, 43: 1054-60.

**Saha, S., Kumar, D., Minocha, N. and Rajanala, N. 2009.** 'The distribution pattern of proliferating cell nuclear antigen in the nuclei of *Leishmania donovani*'. *Microbiology*. 155(Pt11): 3748-57.

**Gupta, A., Chaudhary, V.K. and Bhat, R. 2009.** 'Directed evolution of an anti-human red blood cell antibody'. *mAbs*. 1(3): 268-80.

### **Books**

**Singh, A., Kuhad, R.C. and Ward, O.P. (eds). 2009.** *Advances in soil bioremediation*, Soil Biology Series Vol. 17. Germany: Springer, Verlag.

**Satyanarayana, T. and Kunze, G. 2009.** *Yeast Biotechnology: Diversity and Applications*. Germany: Springer, Verlag.

## **PHYSICAL EDUCATION & SPORTS SCIENCES**

### **Major Activities**

The landmark achievement of the year is the completion of the first Ph.D. research project. The pre-submission seminar was presented by Mr. Surender Kumar Bhandoria on 11 February 2010.

**Mr. Ajit Kumar**, Junior Research Fellow was appointed as Senior Research Fellowship.

The Department created its own departmental library by purchasing some new books and getting on loan numerous doctorate and masters' dissertations from Indira Gandhi Institute of Physical Education and Sports Sciences.

In order to promote research in priority areas, the Department started a scheme of minor research projects for the teachers of DU to undertake research work on priority areas in physical education.

### **Appointments of faculty members to higher Post/Assignments**

**Dr. Devinder Kumar Kansal:** Appointed Observer by the Association of Indian Universities at the All India Interschool Korfball Championship organized at Kurukshetra University, Kurukshetra, in February 2010.

**Dr. (Mrs.) M.K. Singh:** Resource Person & Expert for UGC programmes and preparation of play cards for school children.

### **Honours/Distinctions**

**Dr. D.K. Kansal:** Chairman of a Scientific Session at an International Conference on Education and Information Technology conducted by the International Association of Engineers at the University of California, San Francisco, USA.

### **Seminars/Conferences held**

National Workshop on 'Curriculum Design/Development for Semester System of P.G. Courses in Physical Education', 28 April 2009.

Workshop on 'Sports Medicine' was conducted on 18-19 February 2010.

National Conference on Role of Physical Activities on Holistic Personality Development, 12 March 2010.

A pre-submission Seminar of 'Taekwondo in India: An Appraisal and Development of Framework of a Long-Term Plan', 11 February 2010.

### **Conference attended**

**Dr. D.K. Kansal:** Chaired a Scientific Session and presented a paper in an International Conference on Education and Information Technology conducted by the International Association of Engineers at the University of California San Francisco, USA.

### **Publications**

**Kansal, D.K. 2009.** 'Proposal for Educational and Engineering Contrivances to expedite the Achievement of Millennium Development Goals 2015'. *Proceedings of International Conference on Education and Information Technology*, International Association of Engineers. San Francisco: University of California, USA, pp. 624-29.

**Makker, G. and Singh, A. 2010.** 'An Analytical Study of Changing Trends in Cricket from Test Cricket to T-20 Cricket' in *Abstracts of National Conference on 'Role of Physical Activities on Holistic Personality Development'*, Delhi University.

**Singh, M.K. 2010.** 'Personality Development Through Sports Participation' in *Abstracts of National Conference on 'Role of Physical Activities on Holistic Personality Development'*, Delhi University.

2010. 'Health Promotion Through Life Style Modification in the Changing World' in *Abstracts of National Conference on 'Role of Physical Activities on Holistic Personality Development'*, Delhi University.

## **FACULTY OF APPLIED SOCIAL SCIENCES AND HUMANITIES BUSINESS ECONOMICS**

### **Ph.D./ M.Phil. Degrees awarded**

Ph.D.	-	3
M.Phil.	-	3

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Economic and Socio Impacts of SEZs.	Dr. Aradhna Aggarwal	Ministry of Commerce
Employment and occupational outcomes: The impact of widening access to education in Brazil and India.	Dr. Aradhna Aggarwal with Professors Geraint (Lancaster University, UK) and Ricardo (Juiz de Fora University, Brazil).	Economic and Social research Council Britain)
A study of the extended producer A Study of the responsibility based deposit-refund system for batteries in Delhi and NCR.	Dr. Yamini Gupt	SANDEE
Environmental Biotechnology- Restoration Ecology.	Dr. Yamini Gupt (Co-PI) Prof. C.R. Babu (PI), CEMDE, DU	DBT
Analysis of occupation choices among high school and college students in urban India: A case study of New Delhi and Kolkata.	Dr. Ananya Ghosh Dastidar in collaboration with Prof. Sarmila Banerjee (Dept. of Economics, Calcutta University) and Prof. Saumyen Sikdar (IIM, Calcutta)	University of Delhi

## Appointments of faculty member to higher Posts/Assignments

**Dr. Aradhna Aggarwal:** Appointed by Asian Development Bank (Manila) as research advisor in GMS Phnom Penh Plan for Development Management-Research programme, September 2009.

Appointed Visiting Professor at the University of Kobe, Japan.

## Honour/Distinction

Visiting Fellowship in Korean Institute of Economic Policy, August 2009.

## Seminar/Conference held

XXXVI Annual Convention 'India 2020: Shaping a Brighter and Safer Future' at Hotel Le Meridian, New Delhi, 29 September 2009.

## **Seminars/Conferences attended**

**Dr. Aradhna Aggarwal:** Attended a research workshop as advisor, organized in Phnom-Penh, Cambodia, by the Asian Development Bank, Manila, 24 February 2010.

Attended 'Community based Health Insurance in India: Impact Evaluation of Yeshasvini Programme in India', Prague, GDN Annual Conference, 15-19 January 2010.

Attended 'Yeshasvini Health Care Programme: Impact Evaluation', Global Health Forum, Havana, 15-19 November, 2009

Attended a research workshop as advisor, organized in Vientiane, Laos, by the Asian Development Bank, Manila, 8-9 September 2009.

Attended 'India's Economic Growth: Its strengths and weaknesses', Graduate School of International Studies, Chung-Ang University, South Korea, 11 August 2009.

Attended 'SEZs and FDI: Indian Experience', Korean Institute of Economic Policy, Seoul, 19 August 2009.

Attended 'Genesis, Evolution, and the Changing Role of SEZs in Asia: A Comparative Analysis of Taiwan, Korea and India', Korean Institute of Economic Policy, 27 August 2009.

**Dr. Yamini Gupt** made a presentation on 'Extended Producer Responsibility based Deposit-Refund System for Lead-Acid Batteries in Delhi' at the XVIII Biannual Research and Training Workshop organized by SANDEE, at Negombo, Sri Lanka, 28 June-3 July 2009.

Made a presentation on 'Extended Producer Responsibility based Deposit-Refund System for Batteries in Delhi and NCR' at the XIX Biannual Research and Training Workshop, organized by SANDEE in Pokhara, Nepal, 8-12 December 2009.

Attended the Econometrics Workshop on 'Limited Dependent Variables' organized by SANDEE at Kathmandu, Nepal, 13-14 December 2009.

Attended 'Achieving Equity in Health through CBHI: A Case Study of Yeshasvini Health Insurance Scheme', presented at British Northern University -India Forum International Conference in Hyderabad, 24-26 March 2010.

Attended 'The STPI scheme and Competitiveness of India's IT Industry: Historical Analysis and a Future Outlook', Global Forum for Knowledge Sharing Annual Conference, 7-8 October 2009.

Attended 'Impact Evaluation of India's Yeshasvini Community Health Insurance Programme: Some Policy Implications', International Conference organized by GDN, New Delhi, 14 July 2009.

Attended 'Delhi Sustainable Development Summit 2010. Beyond Copenhagen: New Pathways to Sustainable Development', organized by TERI in New Delhi, 5-7 February 2010.

Attended 'SANDEE-TERI Workshop on Climate Change', organized at TERI University in New Delhi, 9-11 February 2010.

**Dr. Ananya G. Dastidar** was a discussant for the Paper 'Production, Consumption and the Export of Tea from India: Examining the Interlinkages' by Sushmita Chatterjee, at JNU-NIPFP-CIGI Conference on Economic Theory, Markets and Institutions of Governance, 22-24 March 2010.

**Prof. V.K. Kaul:** Attended 'India and Canada: Common Strategic Interest', Presentation at Antarashtriya Sahayog Parishad, New Delhi, 30 March 2010.

Presented a paper 'Global Financial Crisis and Corporate Strategy- Implication for India', at Institute of Allied Sciences and Computer Application, ITM Universe, Gwalior, 25 April 2009.

**Dr. Aradhna Aggarwal:** Lectures delivered at the UNTAD programme on Trade conducted at the Centre for Development Studies, 26-30 May 2009.

### **Publications**

**Aggarwal, A. 2010.** 'Regional Economic Integration and FDI in South Asia: Prospects and Problems', *The IUP Journal of International Business Law*, 9(1-2): 8-41, January-April 2010.

2010. *Financing health care for the poor: An evaluation of the India's Yeshasvini Community Based Health Insurance Programme, Policy brief, Promoting Innovative Programs From the Developing World*, GDN, Supported by the Bill and Melinda Gates Foundation, pp. 31-33.

2009. 'Public-Private partnership for community based Health Care', *GDN Research Monitor*, 7: 6-7, December 2009.

## **FACULTY OF COMMERCE AND BUSINESS**

### **COMMERCE**

#### **Major Activities**

The Department of Commerce prides itself for the academic excellence and leadership it has in the discipline of Commerce for which it is known and appreciated worldwide.

Apart from that, the Department organized a number of guest lectures, seminars, workshops, symposia etc. from time to time and invited various academicians and industrialists to expose its students to real world developments and happenings and to enhance industry interface. In particular, the 14th Annual Convention 'ERUDITION 09' was held on 18-19 September, 2009, at Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi University. The Department has received a visiting team from Kansas State University, USA, in establishing alliances with foreign universities.

At the placement front, the Department has placed 82 to 90 per cent of the students of MIB and MHROD in reputed organizations.

### **Ph.D. Degrees awarded**

Ph.D.	-	15
M.Phil.	-	11

### **Research Schemes**

**Prof. Sri Ram Khanna:** National Consumer Helpline Project continued by the Govt of India: Rs. 32 mn to provide citizens information, advice and guidance on their individual consumer problems with corporations in relations to defective products and deficiency in services through a Computer Telephony Interface system.

### **Appointments of faculty members to higher Posts/Assignments**

**Prof. Y.P. Singh:** Appointed external expert Member of the Faculty of Commerce, Banaras Hindu University.

Appointed expert Member of the 'Board of Studies' in 'Accounting and Taxation' programme of Autonomous International College for Girls, Jaipur.

Appointed Member, of the Finance Committee of Deen Bandhu Chhotu Ram University of Science and Technology, Murthal, Haryana.

### **Honours/Distinctions**

**Prof. K.V. Bhanumurthy:** A total of twelve papers in the Top Ten List in the world @ SSRN.COM, of which five in All Time Top Ten List in the world.

All time rating @ SSRN.COM, 98.2 percentile out of 1, 23,000 economists in the world.

Two papers awarded best paper in National Conference on Emerging Issues in Financial Sector, JIM, Noida, 2009.

Delivered inaugural address at National Conference on Value Ethics in Management, Mohan Lal Sukhadia University, Udaipur, February 2010.

Delivered inaugural address at National Conference on India's External Sector at Lucknow University, March 2010.

**Prof. J.P. Sharma:** Appointed Visitor's Nominee on the selection committee for teaching posts in Commerce in Banaras Hindu University.

Appointed Visitor's Nominee on the First Academic Council of Sikkim Central University.

Appointed Nominee on the First Academic Council of Tripura Central University.

Appointed Nominee on the First Academic Council of Garhwal Central University.



Appointed Chancellor's Nominee on the selection committee for teaching posts in Commerce of Kurukshetra University, Haryana.

Nominated Member, International Advisory Board, International Congress of Pervasive Computing and Management, Sydney, Australia. The III International Congress on Pervasive Computing and Management 2010 is scheduled in Jaipur, India, 4-5 December 2010.

Appointed Convener Member of the XI Plan UGC Expert Committee.

Selected from India to attend three-day Corporate Governance Board Leadership Training Programme organized by the International Finance Corporation (a World Bank Group) acting through the Global Corporate Governance Forum, USA.

**Dr. A.K. Singh:** Memorable Medal awarded by Dean, Faculty of Economics and Management, Slovak University of Agriculture in Nitra, Slovak Republic, 10 September 2009.

Conferred Pro Fakultate Internation (Visiting International Faculty) Award by the Dean of School of Economics and Social Sciences, Szent Istvan University, Godollo, Hungary, 24 June 2009.

**Sunaina Kanojia:** Inducted Member of Editorial Advisory Board of *Apeejay International Journal of Commerce and Management, Envision*.

### **Seminars/Conferences held**

Symposia titled 'MESATSI 2009' was organized by SPHERE, a student's body of MHROD, Department of Commerce, October, 2009.

Department organized 13th Annual Convention 'ERUDITION 09' for its MIB and MHROD students at Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi University, 18-19 September 2009.

Workshop organized by the Department on 'Case Method of Teaching' by an Expert from IIIM Ahmedabad for teachers and research scholars.

### **Seminars/Conferences attended**

**Prof. K.V. Bhanumurthy:** Presented three papers at Money and Finance Conference, Indira Gandhi Institute for Development Research, Mumbai, March 2010.

Presented three papers and Chaired two sessions at First International Conference of Applied Economics and Time Series Analysis, IBS, Hyderabad, April 2009.

Presented two papers and Chaired two sessions at The Indian Econometric Society (TIES) - Golden Jubilee Conference, Jammu, March 2010.

Presented two papers and Chaired session at National Conference Emerging Issues in Financial Sector, JIM, Noida, 2009.

Presented paper at European Financial Management Conference, Milan, June 2009.

## **Seminars/Conferences attended**

**Prof. J.P. Sharma:** Presented a paper on 'Corporate Governance Failure: A Case Study of Satyam' at the 7th International Conference on Corporate Governance organized by the Centre for Corporate Governance Research, Birmingham Business School, University of Birmingham, UK, 29 June 2009. The conference was chaired by Sir Adrian Cadbury who is considered father of the subject of corporate governance.

Valedictory Session chaired, certificates given to the participants and delivered valedictory address at the International Conference on Corporate Governance, organized by the Institute of Public Enterprises, Hyderabad, 2009.

'Lessons from Satyam', Participants comprised around 50 PGDM students, Dean and the teachers. Assam Institute of Management, Guwahati, 20 March 2010.

'Collapse of Satyam: Lessons Learnt by Corporate of India', Participants comprised over 250 under- graduates, the principal and teachers, Bhim Rao Ambedkar College, 17 March 2010.

'Collapse of Satyam: Lessons Learnt by Corporate of India', Participants comprised over 200 under- graduates, the principal and teachers, College of Vocational Studies, 10 March 2010.

'Collapse of Satyam: Problems and Policy Actions', Participants comprised teachers and over 100 MBA students of Jaypee Business School, Noida, 6 March 2010.

'Collapse of Satyam: Problems and Policy Actions', Participants comprised over 100 commerce under-graduates, the principal and teachers, Maharaja Agrasen College, 9 February 2010.

'Collapse of Satyam: Problems and Policy Actions', Participants comprised over 200 commerce under-graduates, the principal and teachers Bharti Mahila College, 5 February 2010.

'Collapse of Satyam: A Case of Unethical Conduct', Participants comprised over 100 commerce under-graduates, the principal and teachers, Sri Aurobindo College, 4 February 2010.

'Collapse of Satyam: There is a Need to Monitor the Auditors', Participants comprised over 100 commerce under graduates, the principal and teachers, Deshbandhu College, 1 February 2010.

'Collapse of Satyam: There is a Need to Watch the Watchdogs', participants comprised Dean of Faculty and around 100 MFC students of the Department of Financial Studies, 25 January 2010.

'Corporate Governance Failure: A Case Study of Satyam', Participants comprised over 100 commerce undergraduates, principal and the teachers, Deshbandhu College (Evening), 16 December 2009.

'Collapse of Satyam: A Case of Unethical Conduct', participants comprised teachers and over 100 MBA students, Indian Institute of Finance, 9 December 2009.

'Collapse of Satyam: Problems and Policy Actions', Participants comprised commerce undergraduates and teachers of the Department of Commerce, Kamala Nehru College, 19 November 2009.

'Collapse of Satyam: Policy Actions in the Pipeline', participants comprised over 100 MBA students and faculty, G.L. Bajaj Institute of Management & Research, 13 November 2009.

'Corporate Governance Failure: A Case Study of Satyam', Participants comprised faculty and students of PG course on 'Global Business Operations', Sri Ram College of Commerce, 11 November 2009.

'Corporate Governance Failure: A Case Study of Satyam', participants comprised all senior lecturers of Universities, Centre for Professional Development in Higher Education (New Delhi), 14 October 2009.

'Corporate Governance', Participants comprised commerce undergraduates and teachers of the Department of Commerce, Dyal Singh College, 31 August 2009.

'Corporate Governance Failures: Collapse of Satyam', Participants comprised research scholars, PG students, senior officials of the university and faculty members, Jammu University, Department of Commerce, 29 April 2009.

**Prof. Y.P. Singh:** Participated in the XXXII All India Accounting Conference and International Seminar on 'Accounting Education and Research' at Gwalior, organized by Indian Accounting Association in association with the Institute of Commerce and Management, Jiwaji University, Gwalior, 14-15 November 2009 and was resource person in the technical session entitled, 'Accounting for Financial Instruments'.

Chaired the fourth technical session entitled, 'Micro-Finance and Economic Development' at the International Conference on Issues in Finance and Economic Development in Developing Countries during Globalization Era, organized by Sri Ram College of Commerce, 6-7 November 2009.

Delivered Valedictory Address in the Workshop on 'International Financial Reporting Standards Implications for India' jointly organized by Indian Accounting Association, Delhi Chapter, and Centre for Professional Development in Higher Education, 8 November 2009.

**Prof. Jawahar Lal:** Special lecture delivered in Bhutan, Geddu College of Business Studies, Royal University of Bhutan, on 'Accounting for Decision Making', April 2009.

Keynote addressed delivered at UGC National Seminar on 'Decision accounting and management control system' organized by Department of Accounting, Jay Narayan Vaish University, Jodhpur, 6 March 2010.

**Ajay Kr. Singh and Nisha Gupta:** 'Contribution Based Measurement of Human Asset for Strategic Decision Making using HCIS', Presented in the Annual Conference of the American Accounting Association at Hotel Hilton, New York, USA, 1-5 August 2009.

**Ajay Kr. Singh and Vandna Sharma:** 'An Empirical Study on Critical Success factors (CSF) of Knowledge Management for gaining competitive edge in Indian Software Sector', Presented in the X Annual International Conference on U.N. Millennium Development Goals at Szent Istvan University, Godollo, Hungary, 23-26 June 2009.

**Smrita Sinha, Ajay Kr. Singh and Nisha Gupta:** 'Impact of Work Culture on Motivation Level of Employees in Selected Public Sector Companies in India', Presented in the X Annual International Conference on U.N. Millennium Development Goals at Szent Istvan University, Godollo, Hungary, 23-26 June 2009.

**Ajay Kr. Singh and Vandna Sharma,** jointly authored: Participated in the LXII All India Commerce Conference organized by MDS University, Ajmer, Rajasthan, 10-12 October 2009, and presented a paper (which was selected as the Second best paper in the technical session on E-governance: Perspectives and Challenges) entitled 'A Perception based Model to assess performance of e-governance initiatives in India'.

**Dr. Kavita Sharma:** Presented paper titled 'A conceptual framework on customer life timing value its components and metrics' in sixth PCMA International Conference.

Presented a case study on Indian experience of political advertising in symposium organized by GGS IP, University.

Participated in Seminar on 'Quantitative Techniques of Social Science Research' organized by Department of Commerce, MD University, Rohtak.

**Sunaina Kanojia:** Regional Conference Asia on Quality of Growth: Approaches to Inclusive Development in Asian Societies, organized by the Planning Commission and Federal Ministry for Economic Cooperation & Development at Taj Palace, New Delhi, 14-15 September 2009.

Nominated by the Department of Commerce to participate in the Indo European Conference on Quality Assurance in Higher Education, in collaboration with Indo-EU Study Centre Programme and the Erasmus Mundus External Cooperation Window (EMECW 15/13), New Delhi, 6-7 May 2010.

Participated in Certificate Training Programme on 'Research Methodologies in Social Sciences with Special Emphasis on Trade and Development Issues' organized by Centre for Trade and Development (Centad), New Delhi, 1-5 June 2009.

### **Publications**

**Singh, Y.P. and Aggarwal, S. 2009.** 'A Conceptual Framework for Effective Investment Management', *Apeejay Journal of Management & Technology*, Vol. 4(2), July.

**Singh, Y.P. and Harneja, A. 2009.** 'Personal Insurance Decision – Making Process In India: An Empirical Study', *Journal of Banking, Information Technology and Management*, Vol. 6(2), July-December 2009.

**Singh, Y.P. and Gupta, S. 2009.** 'Performance of Exchange Traded Funds in India', *Indian Journal of Accounting*, Vol. 40(1), December 2009.

**Singh, Y.P. and Babbar, S. 2010.** 'Volatility Patterns in Bank Stock Returns in India', *The Indian Journal of Commerce*, Vol. 63(1) January-March 2010.

#### **Book**

**Bhanumurthy, K.V. and Krishna, U. 2010.** *Politics, Ethics and Social Responsibility of Business*. New Delhi: Pearson.

#### **Conference papers**

**Bhanumurthy, K.V. and Singh, A.K. 2009.** 'IPO – Who are the Gainers? Who are the losers?', National Conference on Emerging Issues in Financial Sector, JIM, NOIDA.

2009. 'IPO pricing: Informational inefficiency and misallocation in capital market', at European Financial Management Conference, Milan, June.

**Bhanumurthy, K.V. and Gupta, L. 2009.** 'Conduct of Commercial Banking in India: A Study of Non-performing Assets', at National Conference Emerging Issues in Financial Sector, JIM, Noida.

**Bhanumurthy, K.V. and Sinha, M. 2010.** 'Equity and Efficiency of Foreign Direct Investment in Indian States', at The Indian Econometric Society, Golden Jubilee Conference, Jammu, March.

**Bhanumurthy, K.V. and Deb, A.T. 2010.** 'Ownership Structure, Regulation and Corporate Governance: A Study of Private Banking in India during 2002-2008', at Money and Finance Conference, Indira Gandhi Institute for Development Research, Mumbai, March.

2010. 'Business Group Ownership of Banks: Issues and Implications', at Money and Finance Conference, Indira Gandhi Institute for Development Research, Mumbai, March.

**Bhanumurthy, K.V. and Kalsie, A. 2009.** 'Measurement of International Currency Crises: A Panel Data Approach using Composite Indices', at First International Conference of Applied Economics and Time Series Analysis, IBS, Hyderabad, April.

**Bhanumurthy, K.V. and Goel, S. 2009.** 'Testing for short run market integration in Indian money market', at First International Conference of Applied Economics and Time Series Analysis, IBS, Hyderabad, April.

**Bhanumurthy, K.V. 2010.** 'Crisis, Risk and Trade – Assessing India's position, at National Conference on India's External Sector', Lucknow University,

## **Books**

**Sharma, J.P. 2010.** *Corporate Governance, Business Ethics & CSR*, (1<sup>st</sup> Edn). New Delhi: Ane Books Ltd.

**2010.** *An Easy Approach to Company & Compensation Laws*, (1<sup>st</sup> Edn). New Delhi: Ane Books Ltd.

## **Research Articles/Papers in Journals**

**Sharma, J.P. and Anita Chhabra, A. 2009.** 'Corporate Social Responsibility: A Study of the Initiatives taken by Indian Companies', Research Paper published in the Convention Souvenir of XXXVII National Convention of Company Secretaries organized by the Institute of Company Secretaries of India at Hyderabad, 5-7 November 2009 on the theme, 'Lead Corporate India-Role of Company Secretaries'.

**Sharma, J.P. 2009.** 'Dubious Role of Credit Rating Agencies'. *The Chartered Secretary Journal of the Institute of Company Secretaries of India*, New Delhi, Vol. 39.

**2009.** 'Satyam-a Case of Unethical Conduct and Fake Audit'. *The Indian Journal of Commerce*, quarterly publication of the Indian Commerce Association, Vol. 62(1), New Delhi.

'Indian LLP is a Mix of UK & Singapore Model'. *The Chartered Secretary Journal of the Institute of Company Secretaries of India*, New Delhi. 39(5): 562-70.

**Sharma, J.P. and Sethi, P.** 'Impact of Postal Ballot Mechanism in Improving Shareholder's Participation in Corporate Decision Making: A Research Study'. *The Chartered Secretary Journal of the Institute of Company Secretaries of India*, 39(2): 159-70.

**Singh, Y.P. and Aggarwal, S. 2009.** 'A Conceptual Framework for Effective Investment Management', *Apeejay Journal of Management & Technology*, Vol. 4(2).

**Singh, Y.P. and Harneja, A. 2009.** 'Personal Insurance Decision – Making Process In India: An Empirical Study', *Journal of Banking, Information Technology and Management*, Vol. 6(2).

**Singh, Y.P. and Gupta, S. 2009.** 'Performance of Exchange Traded Funds in India', *Indian Journal of Accounting*, Vol. 40(1).

**Singh, Y.P. and Babbar, S. 2010.** 'Volatility Patterns in Bank Stock Returns in India', *The Indian Journal of Commerce*, Vol. 63(1).

**Singh Y.P., Kapoor, S. and Suri, S. 2010.** 'Testing Weak Form Efficiency for Indian Stock Market', *Finance India*, Vol. 24(3).

**Lal, J. 2009.** *Cost Accounting*, (5<sup>th</sup> edn). New Delhi: McGraw-Hill Education,

**2009.** *Corporate Financial Reporting, Theory and Practice*, (4<sup>th</sup> edn). New Delhi: Taxmann.

**2009.** *Advanced Management Accounting, Text, Problems and Cases*, (3<sup>rd</sup> edn). New Delhi: McGraw-Hill Education.

**2009.** *Accounting Theory and Practice*, (Revised edn). New Delhi, McGraw-Hill Education.

**Singh, A.K. and Sharma, V. 2009.** 'SEZ in India: A perceptual study of Indian Citizens'. *The Indian Journal of Commerce*, 62(2): 233-40. [Presented in the Seminar Session on 'SEZs: Politics vis-à-vis Economics' in the LXI All India Commerce Conference of Indian Commerce Association, hosted by Shri Shivaji Education Society, Amravati's Dhanwate National College, Nagpur, 27-29 December 2008].

Received the Silver Medal for being the 2<sup>nd</sup> Best Paper in the entire conference (61<sup>st</sup> AICC).

#### ***Papers Published in International Conference Proceedings***

**Singh, A.K. and Sharma, V. 2009.** 'e-Governance and e-Government: A Study of Some Initiatives'. In *Advances in e-Government & e-Governance* (ed. by Ahmet Kaplan, et. al.) 2: 87-102, Selected Proceedings of the First International Conference on e-Government & e-Governance, organized and published by The International Satellite and Cable Operator (TURKSAT) and Social Sciences Research Society (SoSReS) at Ankara, Turkey.

#### ***Research Article***

**Sharma, K.:** 'A case titled-'Political Advertising in the Indian Context' in *Thesis and Management* (2<sup>nd</sup> edn).





# COLLEGES



## ACHARYA NARENDRA DEV COLLEGE

### Major Activities

The academic year 2009-10 was significant for the College with both students and teachers bringing laurels - three faculty members were recognized as 'Distinguished Teachers' by the University; a student was recognized as 'Young Scientist' by the Department of Science and Technology, Government of NCT, and was funded for a project to the tune of Rs. 3 lakh and four other students were part of the prestigious 'Open Source Drug Discovery' project of CSIR and were part of the team to unravel the TB genome - they earned a laptop each! Taking forward our strong belief in 'beyond the classroom', we conducted several workshops in the College for students and faculty across Delhi to upgrade skills and knowledge; they included workshops on 'Biotechnology' for teachers of B.Sc. Programme Life Sciences across Colleges of DU, 'Biology and Biotechnology of Actinomycetes', 'Electrowork'09 Data Acquisition using LabVIEW and Robotics', 'FOSS - Linux' Workshops, 'Wikieducator and Open Educational Resource' workshops, and 'Easy Now for e-Learning material development'. Commitment to research was further reinforced with the College initiating three more research projects-two by faculty members and one by a student. The Entrepreneur Development Cell - an initiative for students to become 'job creators' rather than 'job seekers'-has gained momentum with three projects being approved under the scheme. The College has also started some pioneering add-on courses during the year including those on Insurance, English Language Proficiency, and Effective Communication and Personality Development through Theatre.

### New Courses/Subjects Introduced

Effective Communication and Personality Development through Theatre.

English Language Proficiency Course.

Insurance Training and Career Opportunity Programme, *Yuvodaya*, in association with Metlife Insurance Company Limited.

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Larvicidal properties of University certain botanicals against mosquito larvae - An alternative for mosquito control.	Dr. Sarita Kumar	UGC
Investigating science hands-on to promote innovation & research at undergraduate level.	Dr. Amit Garg Dr. Savithri Singh and Mr. Vishal Dhingra	UGC
Fabrication of new polymer sensors for environmental protection.	Dr. Vandana Uberoi Dr. Sunita Hooda and Dr. Geetu Gambhir	UGC

## Library Development

Total Budget	:	₹ 9,50,000.00
Books added	:	1,100
Journals subscribed	:	20

## New Additions

Dr. Pankaj Khanna - Chemistry                      Mr. Chaman Singh - Mathematics

## Honours/Distinctions

**Dr. Sarita Kumar, Dr. Seema Makhija and Dr. M.S. Rajeshwari:** Felicitated by Delhi University as 'Distinguished Teacher' on Teacher's Day by Honorable ex-President Prof. A.P.J. Abdul Kalam.

**Dr. Savithri Singh:** Elected Member and Vice Chairperson of the WikiEducator International Community Council; Member, Core Team (India) on Quality Assurance in Multimedia Learning Materials, Commonwealth Education Media Centre for Asia and Member of the Governing Body of Government Science College, Raipur, Chhattisgarh.

**Dr. Ram Kumar:** Invited Professor at Université de Lille, France, May– July 2009 and Visiting Scientist at NTOU, Taiwan, October–November 2009.

**Dr. Arijit Chowdhuri:** Visiting Fellow at the Australian National University, Canberra, Australia, June – December 2009.

**Dr. Sarita Kumar:** Appointed member of editorial board of an International journal – *Journal of Applied and Natural Science*.

**Dr. Arijit Chowdhuri:** Appointed editorial advisory board member of the International journal – *Sensors and Transducers*.

## Seminars/Conferences held

Biology and Biotechnology of Actinomycetes, Hands-on workshop on preparation of culture media, MIC of antibiotic compounds etc., 8-30 June 2009.

Electraworks 2009, Contemporary topics including Optical Fibre Communication, Embedded Systems - Robotics and Data Acquisition-Signal Processing using LabVIEW software, 2-week workshop starting 1 June 2009.

FOSSTIVAL– 10 Foss Workshop, Familiarization of Free and Open Source Software as a replacement of MS –Windows, 8-9 January 2010.

Workshops on WikiEducator, Participants learnt to use the open learning methodologies of updating educational content on WikiEducator, 13-17 April, 12-16 May, 27-29 July and 12-15 December 2009.

Workshop on 'Development of multimedia modules for uploading on websites', Participants learnt the usage of multimedia-based learning systems for development of educational content, 25-29 April 2009.

National Symposium on 'Chemistry in Biology: The Future of Life Sciences', The National Symposium had four special sessions on (i) Structural Biology and Drug Discovery, (ii) Green Chemistry and Clean Technology, (iii) Nano devices and Nano medicine and (iv) Panel Discussion on Teaching Science, 12-13 February 2010.

Easy Now Base Camp: Workshop for development of multimedia courseware for undergraduate science courses, Participants developed e-learning course materials for undergraduate science courses and uploaded the same on a dedicated web portal, 12 September-9 October 2009.

#### **Seminars/Conferences attended**

**Dr. Savithri Singh:** International Workshop on 'Creating Local Content using WikiEducator and Easy Now', organized by the Commonwealth Educational Media Centre for Asia (CEMCA), Dhaka, Bangladesh, 12-15 December 2009.

**Dr. Rashmi Menon, Dr. Arijit Chowdhuri, Dr. Monika Tomar, Dr. K. Sreenivas and Dr. Vinay Gupta:** 'Enhanced photo-response of thermally treated zinc oxide ultra-violet photon detector with furnace method and pulsed laser irradiation', International Conference IEEE Sensors, Christchurch, New Zealand, 25-28 October 2009.

**Dr. Manish Verma, Dr. Arijit Chowdhuri, Dr. K. Sreenivas and Dr. Vinay Gupta:** 'Bi-layered sensor structures (SnO<sub>2</sub> film-CuO nanolayer) with improved response characteristics for H<sub>2</sub>S gas', International Conference IEEE Sensors 2009, Christchurch, New Zealand, 25-28 October 2009.

'Comparison of H<sub>2</sub>S sensing response of hetero-structure sensor (CuO - SnO<sub>2</sub>) prepared by rf sputtering and Pulsed Laser Deposition', *Proc. of International Conference on Materials for Advanced Technologies (ICMAT 2009)*, Singapore, 28 June-3 July 2009, p. 84.

**Dr. Shibu Saha, Dr. Arijit Chowdhuri, Dr. Navina Mehan, Dr. K. Sreenivas and Dr. Vinay Gupta:** 'Surface Plasmon Resonance Study on Effect of Momordica Charantia L. Bittergourd on Glucose', *Proc. of Int. Conference Nanophotonics Downunder 2009: Devices and Applications (SMONP 2009)*, Melbourne, Australia, p. 251, 21-24 June 2009.

**Dr. Rashmi Menon, Dr. Arijit Chowdhuri, Dr. H.H. Tan, Dr. C. Jagadish, Dr. K. Sreenivas and Dr. Vinay Gupta:** 2009. 'Photo-conductive studies of Zinc oxide Nanowires grown by Vapour-Liquid-Solid method', *Proc. of Int. Conference Nanophotonics Downunder 2009: Devices and Applications (SMONP 2009)*, Melbourne, Australia, 21-24 June 2009, p. 249.

**Dr. Ram Kumar, Dr. Raunak, Dr. A. Souissi, Dr. S. Souissi, Dr. K. Raghavendra and Dr. J.S. Hwang:** 'Direct observation of the predation behavior of a cyclopoid copepod preying on larval fish, Artemia and mosquito larvae prey under different biotic and abiotic conditions', International Conference on Zooplankton Behavior, National Taiwan Ocean University, Taiwan, October 2009.

**Dr. Ram Kumar, Dr. Raunak, Dr. Debadityo Sinha, Dr. Yasheshwar Victor R. Dr. Alekseev, Zooplankton:** 'Diversity in the sediment egg bank and in the water column of four lakes differing in trophic status and anthropogenic impacts: A comparative field and experimental investigation', International Conference on Dormancy in Zooplankton, National Taiwan Ocean University, Taiwan, October 2009.

**L.C. Tseng, R. Kumar, Q.C. Chen and J.S. Hwang:** 'Decadal variations in the population structure of Temoridae Copepoda: Calanoida in the vicinity of two Nuclear Power Plants'. International Conference on Zooplankton Behavior, National Taiwan Ocean University, Taiwan, October 2009.

'The summer distribution of Noctiluca and mesozooplankton abundance in the western and southern East China Sea before the Three Gorges Dam operation', International Conference on Zooplankton Behavior; National Taiwan Ocean University, Taiwan, October 2009.

**C.H. Wu, L.C. Tseng, R. Kumar, G.S. Lian and J.S. Hwang:** 'Six years' observations of copepod community structure in a semi-enclosed embayment in Kuroshio-South China Sea-Luzon Strait mixed region', International Conference on Zooplankton Behavior, National Taiwan Ocean University, Taiwan, October 2009.

**Dr. Ruchika Aggarwal, Dr. Anju Agrawal, Dr. Mridula Gupta and Dr. R.S. Gupta:** 'Influence of Gate Insulator Engineering on the Electronic Transport of AlGa<sub>N</sub>/Ga<sub>N</sub> MISHFETs: A Simulation Study for Performance Optimization and Non Linear Device Modeling', European Microwave Integrated Circuits Conference, Rome, Italy, 28-29 September 2009.

**Dr. Amit Garg, Dr. Reena Sharma and Dr. Vishal Dhingra:** 'Development of an automated undergraduate optics laboratory using LabVIEW', Education & Training in Optics & Photonics, North Wales, UK, 5-7 July 2009.

**Dr. Amit Garg, Dr. Avinashi Kapoor, Dr. K.N. Tripathi and Dr. S.K. Bansal:** 'Evidence of explosive boiling during laser ablation of InSb', European Conference on Lasers and Electro-Optic, European Quantum Electronics Conference CLEO/Europe-EQEC 2009, Munich, Germany, 14-19 June 2009.

**Dr. Vasudha Bhatnagar, Dr. Sharanjit Kaur and Dr. Neelima Gupta:** 'Identifying Structures with Informative Dimensions in Streams', *Proceedings of IEEE ICIS 2009*, China.

**Dr. P. Khurana and Dr. N. Chaudhary:** 'Comparative and functional genomics for qualitative and quantitative improvement of Indian bread wheat'. International Conference on Food Security and Environmental Sustainability, IIT Kharagpur, 17-19 December 2009.

**Dr. Ruchika Aggarwal, Dr. Anju Agrawal Dr. Mridula Gupta and Dr. R.S. Gupta:** 'Comparative Performance Evaluation of Novel AlGa<sub>N</sub>/Ga<sub>N</sub> MISHFET with Conventional HFET for Improved Linearity Characteristics', International Symposium on 'Microwave and Optical Technology', New Delhi, 16-19 December 2009, pp. 469-70.

**Dr. Sona P. Kumar, Dr. Anju Agrawal, Dr. Mridula Gupta and Dr. R.S. Gupta:** 'Microwave Performance Evaluation of DMG AlGa<sub>N</sub>/Ga<sub>N</sub> HEMT: A simulation study', International Symposium on Microwave and Optical Technology, New Delhi, 16-19 December 2009, pp. 463-64.

**Dr. Chaman Singh:** 'Vendor-buyers relationship model for the deteriorating items under fuzzy environment', IV International Conference on Quality, Reliability and Infocom Technology, organized by Society for Reliability Engineering, Quality and Operations Management, Delhi University, 18-20 December 2009.

'A single-vendor and multi-buyers inventory policy with fuzzy costs and shortages', 8th Triennial Conference of Association of Asian Pacific Operational Research Societies, organized by Operational Research Society of India, Jaipur, 6-9 December 2009.

'Three Echelon Supply Chain Model for Perishable Items with Imprecise Demand and Production Rates', National Conference on Recent Trends in the Advancement of Astronomy and Applied Mathematics, Department of Mathematics SGRR, PG College, Dehradun, 14-15 November 2009.

**Dr. Ravneet Kaur, Dr. Manoj Saxena, Dr. Mridula Gupta and Dr. R.S. Gupta:** 'Analytical Drain Current valuation Technique for Various Non-Uniformly Doped MOS Device Architectures', International Symposium on 'Microwave and Optical Technology', Hotel Ashok, New Delhi, 16-19 December 2009.

**Pankaj Tyagi, N.C. Mehra and A.G. Vedeshwar:** 'Dependence of optical band gap on residual stress in-group IIB iodide ZnI<sub>2</sub>, CdI<sub>2</sub>, HgI<sub>2</sub> Films', International Conference on Electro ceramic, 13-17 December 2009, Delhi University, Abstract book p. 446.

**Dr. Pankaj Khanna:** 'Synthesis of new molecules to discover drug candidates', The International Symposium on 'Trends in Drug Discovery and Development', New Delhi, 5-8 January 2010.

**Dr. Vibha Gaur, Dr. Anuja Soni and Dr. Punam Bedi:** 'An application of multi-person decision-making model for negotiating and prioritizing requirements in agent-oriented paradigm', International Conference on Data Storage and Data Engineering, 2010, IEEE Computer Society, pp. 164-68.

**Dr. Ram Kumar, Mohamed-Sofiane Mahjoub, Dr. Souissi Sami, Dr. Schmitt François:** 'Effect of turbulent flow on the ingestion rates and satiation feeding duration of European sea-bass *Dicentrarchus labrax* post larvae: an experimental study', Presented in the XX All India Congress of Zoology: National Seminar on 'Bio-resources and its Management for Food, Livelihood and Environmental Security', Central Institute of Fishery Education, Mumbai, 29-31 December 2009.

**Dr. Raunak, Dr. Ram Kumar and Dr. K. Raghvendra:** 'In situ evaluation of copepod as biocontrol agent of mosquito in domestic and peridomestic habitat', Presented in the XX All India Congress of Zoology: National Seminar on 'Bioresources and its Management for Food, Livelihood and Environmental Security', Central Institute of Fishery Education, Mumbai, 29-31 December 2009.

**Dr. Raunak and Dr. Ram Kumar:** 'Impacts of bird predation on top down effects of fish: An outdoor mesocosm study', Presented in the XX All India Congress of Zoology: National Seminar on 'Bioresources and its Management for Food, Livelihood and Environmental Security', Central Institute of Fishery Education, Mumbai, 29-31 December 2009.

**Dr. Amit Garg, Dr. Reena Sharma, Dr. Vishal Dhingra and Dr. Nayal Rama:** 'Optical Pedagogy for Fringe Measurement and Analysis using LabVIEW', A National Level Technical Paper Contest, VI MANTRA 2009, organized by National Instruments, Texas. Selected amongst the top 20 papers.

'Teaching Basics of Signal Acquisition and Reconstruction', Third National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries MATEIT-2010, New Convention Centre, University of Delhi North Campus, Delhi, 30-31 January 2010.

**Dr. Amit Garg, Dr. Reena Sharma, Dr. Vishal Dhingra, Dr. Avdesh Kumar and Dr. Zameer Khan:** 'Innovations in teaching physics of sound', Presented at the VI International Conference on Hands-on Science HSCI 2009, Science for All: Quest for Excellence, Science City, Ahmedabad, Gujarat, 27-31 October 2009.

**Dr. Pankaj Tyagi, Dr. Chhavi Ranjan, Dr. Karnik Pandya, Dr. N.C. Mehra and Dr. A.G. Vedeshwar:** 'Single crystal growth of BiI<sub>3</sub> by thermal evaporation: TEM investigations', XXX Annual Conference of EMSI on Electron Microscopy & Allied Fields, Bundelkhand University, Jhansi, January 17-20, 2009, Abstract book, pp. 83-84.

**Dr. A. Bhardwaj, Dr. Namrata Bhardwaj and Dr. Liu Richard:** 'Parametric Inversion of Triaxial Induction Logs in Anisotropic Media', Third National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries MATEIT-2010, New Convention Centre, Delhi University, 30-31 January 2010.

**Dr. Sharanjit Kaur, Dr. Vasudha Bhatnagar, Dr. Sameep Mehta and Dr. Sudheer Kapoor:** 'Categorising Concepts for Detecting Drifts in Stream', *Proceedings of COMAD 2009*, Mysore.

**Dr. R. Solanki, Dr. M. Khanna and Dr. R. Lal:** 'Screening of actinomycetes for novel antimicrobial compounds', Presented in 50th Annual Microbiological Conference on Third Golden Era of Microbiology, Pune, 15-18 December 2009.

**Dr. Vandana Uberoi, Dr. Sunita Hooda, Dr. Geetu Gambhir, Dr. Subodh Kumar and Dr. Priya Barua:** 'Lead Chemical Sensors for Environmentally Green Chemical Process', *Proceedings of 3rd Indo-Italian Seminar on Green Chemistry*, P-1, Delhi University, 9 December 2009.

## **Publications**

### **Books**

**Bhagat, P. and Ahluwalia, V.K. 2009.** *Understanding Chemistry Through Assertions & Reasons*. New Delhi: Milestone Publishers and Distributors.



**Kumar, R., Kumar, S. and Prasad, P. 2009.** 'Potentials of Freshwater Predators as Biocontrol agents of mosquito populations: Constraints and Opportunities'. In: *Aquatic ecosystem and its management*, (eds) K. Vijay Kumar and Vasanthkumar. Delhi: Daya Publishing House, pp. 351-87. [www.vedamsbooks.com/no63156.htm](http://www.vedamsbooks.com/no63156.htm)

**Misra, R.R., Misra, N., Misra, R.R., Misra N., Srivastava, A. and Reena Jain, R. 2009.** *I Sc. Practical Chemistry, Class XII*. Delhi: Arya Publications.

**Singh, S. and Misra, N. 2009.** *Easy Now manuals*, Vols. 1-6. New Delhi: Commonwealth Educational Media Centre for Asia (CEMCA) Publication.

**Tyagi, P. 2009.** *Visualised Physics –CBSE IX*. Delhi: Sultan Chand and Son(s) Pvt. Ltd. Educational Publisher, ISBN- 9788183502776.

**2009.** *Global Warming: Ek Karva Sach* (in Hindi). Delhi: Pallav Prakashan, ISBN-9788188387458.

**2009.** *Self Tutor-Visualised Science–CBSE X*. Delhi: Sultan Chand and Son(s) Pvt. Ltd. Educational Publisher, ISBN-9788183502894.

#### **Research Articles in Books or Scholarly Journals**

**Aggarwal, R., Agrawal, A., Gupta, M. and Gupta, R.S. 2009.** 'RF Performance Assessment of AlGaIn/GaN MISHFET at High Temperatures for Improved Power and Pinch-off Characteristics', *Microwave and Optical Technology Letters* (MOTL), 51(8): 1942-49.

**Chaudhary, N. and Khurana, P. 2009.** 'Vitamin E biosynthesis genes in rice: Molecular characterization, ex-pression profiling and comparative phylogenetic analysis', *Plant Science*, 177: 479-91.

**Chaudhary, N., Nijhawan, A., Khurana, J.P. and Khurana, P. 2009.** 'Carotenoid biosynthesis genes in rice: Structural analysis, genome-wide expression profiling and phylogenetic analysis', *Molecular Genetics & Genomic*, 283: 13-33.

**Chowdhuri, A., Haridas, D., Sreenivas, K. and Gupta, V. 2009.** 'Mechanism of Trace Level H<sub>2</sub>S Gas Sensing Using Rf Sputtered SnO<sub>2</sub> Thin Films with CuO Catalytic Overlayer', *International Journal on Smart Sensing and Intelligent Systems*, 2(4): 540-48.

**Haridas, D., Chowdhuri, A., Sreenivas, K. and Gupta, V. 2009.** 'Enhanced LPG response characteristics of SnO<sub>2</sub> thin film based sensors loaded with Pt clusters', *International Journal on Smart Sensing and Intelligent Systems*, 2(3): 503-14.

**Chowdhuri, A., Tomar, M., Sreenivas, K. and Gupta, V. 2009.** 'Role of catalysts and their nanoscale dispersal on the response characteristics of SnO<sub>2</sub> thin film H<sub>2</sub>S gas sensor', *Philosophical Nature*, 1: 195-204.

**Garg, A., Sharma, R. and Dhingra, V. 2009.** 'An Inexpensive Hall Effect Setup', *Physics Education*, 26(4).

- Gupta, C.K. and Sehgal, A. 2009.** 'Pollination biology of *Indotristicha ramosissima* Podostemaceae tristichoideae', *Aquatic Botany*, 91: 51-56.
- Hooda, S., Brar, A.S. and Goyal, A. 2009.** 'Configurational assignment of overlapped  $\alpha$ -methyl and methylene region of 2 - HEMA - methacrylonitrile copolymers by 2D NMR', *J. Appl. Polym. Sci.*, 111: 2381.
- Brar, A.S., Goyal, A. and Hooda, S. 2009.** 'Two Dimensional Nuclear Magnetic Resonance Studies of Acrylate copolymers', *J. Appl. & Pure Chem.*, 81(3): 389-415.
- Hooda, S., Goyal, A.K. and Brar, A.S. 2009.** 'Microstructure determination of Acrylonitrile- methyl acrylate - methyl methacrylate terpolymer by 2D HMBC', *J. Mol. Str.*, 920: 424-29.
- Hooda, S., Goyal, A.K. and Brar, A.S. 2010.** 'One-and two-dimensional NMR studies of Methyl acrylate - Vinyl acetate - N- Vinyl Carbazole terpolymers', *J. Mol. Str.*, 963: 27-34.
- Kaur, R., Chaujar, R., Saxena, M. and Gupta, R.S. 2009.** 'Two-Dimensional Analytical Modeling of a Novel Gate-Stack ISE MOSFET', *Micro Electronic Engineering*, 86(10): 2005-14.
- Chaujar, R., Kaur, R., Chaujar, R., Saxena, M., Gupta, M. and Gupta, R.S. 2009.** 'Two-dimensional threshold voltage model and design considerations for gate electrode work function engineered recessed channel nanoscale MOSFET: I', *Semiconductor Science and Technology*, 24: 10.
- Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2009.** 'TCAD assessment of Gate Electrode Work function Engineered Recessed Channel (GEWE-RC) MOSFET and its multi-layered gate architecture, Part II: Analog and large signal performance evaluation', *Superlattices and Microstructures*, 46(4): 645-55.
- Bhatnagar, V., Kaur, S. and Mignet Laurent 2009.** 'A parameterized framework for clustering streams', *International Journal for Data Warehousing and Mining*, 5(1): 36-56.
- Khanna, P., Saxena, A., Khanna, L., Bhagat, S. and Jain, Subhash C. 2009.** 'Synthesis of novel symmetrical and unsymmetrical bis-spiro[indole-indazole-thiazolidine]-2,4?-diones', *Arkivoc*, VII: 119-25.
- Hwang, J.S., Hsieh, C.W., Kuo, A.Y., Kumar, R., Souissi, S., Hsu, M.H., Wu, J.T., Liu, W.C., Wang, C.F. and Chen, Q.C. 2010.** 'Patterns of zooplankton distribution along marine, estuarine and riverine portion of Danshuei ecosystem, Northern Taiwan', *Zoological Studies* (I.F.0.8). <http://zoolstud.sinica.edu.tw/>
- Hwang, J.S., Kumar, R. and Kuo, Chung Su 2009.** 'Impact of predation by the cyclopoid copepod *Mesocyclops pehpeiensis* on life table demography and population dynamics of four cladoceran species: A comparative laboratory study', *Zoological Studies* (I.F.0.8) <http://zoolstud.sinica.edu.tw/Journals/48.6/738.pdf>

**Kumar, S., Thomas, A., Samuel Thomas, Sehgal, A., Verma, A. and Pillai, M.K.K. 2009.** 'Diminished Reproductive Fitness associated with the Deltamethrin Resistance in an Indian Strain of Dengue Vector Mosquito, *Aedes aegypti* L.', *Tropical Biomedicine*, 26: 155-64.

**Tansir, A., Kumar, V. and Nahid, N. 2009.** 'New Class of Anti-microbial agents: Synthesis, Characterisation and Anti-microbial Activities of Metal chelated Polyurea', *J. Biomed. Mat. Res., Part-A*, 88A: 288.

**Kumar, V., Tansir, A. and Nahid, N. 2009.** 'Some O,O',O'',O'''- di/tetra aryldithioimidophonates transition metal complexes derived from catechol and bisphenole-A as antibacterial and antifungal agents', *Euro. J. Med. Chem.*, 44: 785.

**Mehta, A.K., Majumdar, Subeer S., Parwez, A., Gulati, N., Brahmachari, V. 2009.** 'Epigenetic regulation of Cytomegalovirus major immediate-early promoter activity in transgenic mice', *Gene*, 428(1-2): 20-24.

**Kidwai, M., Priya and Singhal, K. 2009.** 'Indium Trichloride: A versatile catalyst for the synthesis of fully saturated imidazoles', *Indian J. Chem. B*, 2009, 48(B): 886-92.

**Malik, P., Sona Kumar P., Chaujar, R., Gupta, M. and Gupta, R.S. 2010.** 'Gate Material Engineered-Trapezoidal Recessed Channel MOSFET (GME-TRC) for High Performance Analog and RF Applications', *Microwave and Optical Technology Letters*, 52: 694-98.

## AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY

### Major Activities

A MoU was signed with Pushpanjali Crosslay Hospital, for the purposes of clinical training. Dr. Piyush Trivedi Memorial Scholarship of the year was awarded to Ms. Prerna Mohan Saxena.

The students of the institute participated in various Inter-College competitions such as cultural, poster competition & quiz at The Indian Association of Physiotherapists Annual Conference, 2010 at Mangalore, and their performance was highly appreciated.

### Library Development

Total Budget	:	₹ 163283
Books added	:	108
Journals subscribed	:	11

### Seminars/Conferences attended

**Dr. Hemant Juneja:** Presented a Scientific paper Topic: 'Core Stability in Sportspersons' at The Indian Federation of Sports Medicine Congress-SAI, Delhi, 6-8 November 2009.

**Dr. V. Sunder:** Presented a poster on 'Trends in Early Childhood Intervention in NCR region' in Rehabilitation International's Inter-Country Meeting for Promotion of Inclusivity in Education, Employment & Health of Persons with Disability in South-East Asia, Delhi, 4-5 March, 2010.

**Dr. Hemant Juneja:** Invited speaker on 'Healthy Ageing and Physiotherapy' at the Indian Association of Physiotherapy Annual Conference held at Mangalore, India, January 2010.

Resource Person for a Workshop on 'Integrated Sports Physiotherapy' by North India Physiotherapy Association held at National Science Centre, Delhi, 5 March 2010.

Resource person for National Seminar on Sports Medicine 'Trends of management in the Commonwealth Games 2010' organized by Hamdard University, Delhi, 20-21 March 2010.

**Dr. V. Sunder:** Invited Speaker for the CBR symposium at IAP National Conference, Mangalore, January 2010.

Attended a four-day Hands-on Workshop on 'NDT and SI' at DSWSC, Okhla Centre, New Delhi.

### **Publications**

**Juneja, H., Arora, V., Zutshi, K., Juneja, H. and Zafar, R. 2009.** 'Effect of Decline Squatting versus neutral squatting exercises on quadriceps strength and functional performance'. *Medicina Sportiva*, 19: 1143-50.

## **ATMA RAM SANATAN DHARMA COLLEGE**

### **Seminars/Conferences attended**

**Dr. Jyotika Jogi:** Participated in XII International Symposium on 'Microwave and Optical Technology', Hotel Ashok, New Delhi, 16-19 December 2009.

Participated in XVIII Workshop and IEEE-EDS Mini-Colloquium on 'Nanometer CMOS Technology', Mini-Colloquia on 'Compact Modeling and Fabrication Techniques of Advance MOSFET/HEMT Structures', South Campus, New Delhi, 4-5 June 2009.

**Dr. Aranya B. Bhattacharjee:** Participated in a talk at the Institute of Physical Science, Armenian Academy of Science, Armenia, 27 August 2009.

Participated in a talk at International Conference on Cold Atoms and Ions, Kolkata, 21 January 2010.

Participated in a talk at the School of Physics, Bharathidasan University, Tiruchipalli, February 2010.

**Mr. Ajeet Kumar:** Presented a paper entitled 'Confidence Building Measure between India and Pakistan' at a Conference, S.A. Jain College, Ambala City, 22-23 February 2010.

Participated in a National Seminar on 'Impact of Globalisation on World Economic Recession', organized by Shyam Lal College, 3-4 December 2009.

Participated in National Seminar on 'Situating Women in History' at P.G. Govt. College, Chandigarh, 15-16 February 2010.

**Dr. I.M. Jha:** Presented a paper entitled 'India's Neighborhood Policy: An Overview' at a Conference at S.A. Jain College, Ambala City, 22-23 February 2010.

**Dr. Rajeev Singh:** Presented a paper 'Organotin(IV) Complexes of thiohydrazones of phenethylamine Synthesis, Characterisation, biological, thermal corrosion and XRD studies', at the XLII IUPAC Congress, Glasgow, UK, 2-7 August 2009.

Participated in National Seminar on 'Recent Development in polymers', BACS, New Delhi, 2009.

### **Publications**

**Jogi, J., Rathi, S., Gupta, M. and Gupta, R.S. 2009.** 'Modeling of Hetero-Interface Potential and Threshold Voltage for Tied and Separate Nanoscale In AlAs-In GaAs Symmetric Double-Gate HEMT', *Microelectronic Reliability*, 49(12): 1508-14, December 2009.

**Jogi, J., Gupta, D. and George, P.J. 2009.** 'Doping Estimation in a Microwave based Plasma Immersion Ion Implantation System, implementing Sheath Models', Oral presentation, paper ID: 39, International Symposium of Microwave and Optical Technology, 16-19 December 2009.

**Jogi, J., Rathi, S., Gupta, M. and Gupta, R.S. 2009.** 'Modeling of Short-Channel Threshold Voltage for Tied and Separate Nanoscale In<sub>0.52</sub>Al<sub>0.48</sub>As/In<sub>0.53</sub>Ga<sub>0.47</sub>As Symmetric Double-Gate HEMT', Oral Presentation, paper ID: 83, International Symposium of Microwave and Optical Technology, ISMOT 2009, 16-19 December 2009.

**Jogi, J., Gupta, D. and George, P.J. 2009.** 'An Analytical Model of a Multispecies Plasma Immersion Ion Implantation Process in a Collision less System', Poster Presentation, NGC2009 & CST2009, Conference, McMaster University, Hamilton, Ontario, Canada, Conference proceedings, p. 215, 10-14 August 2009.

**Bhattacharjee, A.B., Kumar, T. and Mohan, M. 2010.** 'Dynamics of a Movable micro Mirror in a nonlinear optical cavity', *Physical Review A*, 81: 013835.

'Probing superfluidity of periodically trapped ultracold atoms in a cavity by transmission spectroscopy', *Central European Journal of Physics*, DOI: 10.2478/s11534-009-0158-x.

**Bhattacharjee, A.B. and Chung, M.C. 2009.** 'Damping in 2D and 3D dilute Bose gases', *New Journal of Physics*, 11: 123012.

**Bhattacharjee, A.B. 2009.** 'Cavity quantum optomechanics of ultracold atoms in optical lattice: Normal mode splitting', *Physical Review A*, 80: 043607.

'Quantum acousto-optic effect in Bose-Einstein condensate', *Optics Communication*, 282, 3641.

**Bhattacharjee, A.B., Dudeja, S. and Flores, J.C. 2010.** 'Microbial Mats and Ancient Micro organisms in Stratified Systems Series: Cellular Origin', *Life in Extreme Habitats and Astrobiology*, Vol. 14, Seckbach, Joseph, Oren, Aharon (eds). Springer.

**Bhattacharjee, A.B., Kumar, T. and Mohan, M. 2010.** 'Luttinger liquied in two-colour optical lattice', in M. Mohan, A. Kumar, A.B. Bhattacharya and A.K. Razdan (eds), *Laser and Bose Einstein Condensation Physics*. New Delhi: Narosa.

**Mohan, M., Kumar, A., Bhattacharjee, A.B. and Razdan, A.K. (eds). 2010.** *Laser and Bose Einstein Condensation Physics*. New Delhi: Narosa.

**Singh, R. and Kaushik, N.K. 2009.** 'Synthesis, Spectral, Thermal and Anti-fungal Studies of co-ordination Compunds of Organotin(IV) thiohydrazone complexes', *Spectrochimica Acta-A: Molecular and Biomolecular Spectroscopy*, 72(4): 691-96, DOI: 10.1016/j.saa.2008.06.003.

**Zehra, S.M.** *Sexual and Gender Representation in Mughal India*. Delhi: Manak Publications.

## ADITI MAHAVIDYALAYA

### Students Distinction

Name	Course	Position in the University
Anamika	B.A. (Hons.) Geography	I
Parul	B.A. Programme	I

### New Addtion

Ms. Nalini Singh - History

### Publications

**Lakshmi, B.** *Schooling and Society in a Changing Mizoram, the Practice of Pedagogy*.

**Kaur, R.** *Fundamentals of Financial Management*.

**Misra, M.** *Bhavya Bharat, Prasaran aur Photopatrakarita and Nirala ke Sahitya Mein Rachnatmak Prabhab*.

**Patra, P.** Biophysical Characteristics of Land on the Maha Nadi Delta, Application of Geomatics for Identifications and Management of Wastelands and Application of Remote sensing and GIS in Relief and Slope Analysis.

### **Research articles**

**Lakra, P. 2009.** 'Antinutritional content of products developed from potato flour', *Nutrition and Food Science*, 39(6): 636-42.

**Chowdhary, R. 2009.** 'Historical Strengths and Conflicts in Indian Educational Structure, Institution and Inspiration, Essential and External'. *History Today* (Journal of History and Historical Archaeology), Vol. 10.

## **A & U TIBBIA COLLEGE**

### **Publications**

**Tripathi, B., Mishra, D., Dubey, S.D., Pandey, L.K. and Tripathi, K.K. 2009.** 'Gojihva a clinical trial for its hemostatic action', *Light on Ayurveda Journal*, 6(1): 21-30, University of Massachusetts, Dartmouth, MA 02747.

**Mishra, D., Sinha, M., Kumar, M. and Kumar, V. 2009.** 'Chronic Toxicity study of Garbhpal Ras, an Ayurvedic medicine', *Journal of Herbal Medicine and Toxicology*, 3(1): 1-5, ISSN: 0973-4643.

**Mishra, D., Sinha, M. and Kumar, V. 2009.** 'Teratological study of Garbhpal Ras, an Ayurvedic formulation', *Journal of Herbal Medicine and Toxicology*, 3(1): 37-40, ISSN: 0973-4643.

**Mishra, D., Sinha, M., Kumar, M. and Kumar, V. 2009.** 'Safety evaluation of Garbhpal Ras, an Ayurvedic formulation', National Scientific Seminar on 'Reproductive Health of Women through Ayurveda', Research paper, pp. 251-61, Rashtriya Ayurveda Vidyaapeeth.

**Mishra, D., Sinha, M. and Kumar, V. 2009.** 'Clinical evaluation of Garbhpal Ras in pregnancy related gastrointestinal disorders'. *Ayurvedic Renaissance*, 7(2): 13-16.

**Mishra, D. and Sinha, M. 2009.** Endometriosis, An Agency, Sangyahan Shodh.

2009. 'Menopause: A Blissful way through Ayurveda', *Kerala Ayurveda Vaidyam*, 2(2): 11-16.

## **BHASKARACHARYA COLLEGE OF APPLIED SCIENCES**

### **Major Activities**

The quiz competition QUEST is organized by the Centre for Science Education and Communication, Delhi University, every year. The College team participated in this prestigious and most popular quiz for the first time. Out of several teams, the College team showed their skills and emerged as the winner of the interactive round and finally finished at the fourth position in the final round.

## Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Kritika Gupta	B.Sc. (Hons.) Bio-Medical Science	I
Ms. Soma Ghosh	B.A.Sc. (Hons.) Food-Technology	II
Ms. Kuhu Sarkar	B.Sc. (Hons.) Polymer Science	I
Mr. Danish Ahmed	B.Sc. (Hons.) Polymer Science	II
Mr. Deepak Kaushik	B.Sc. (Hons.) Polymer Science	III

## Special Grants/Assistance/Project

Ministry of Food Processing Industries, Government of India, sanctioned grant in aid for Rs. 67.78 lakh for creation of infrastructure facilities for B.Sc. Food Technology course.

## Library Development

Total Budget	:	₹ 6,86,707.00
Books added	:	1246
Journals subscribed	:	25

## Honours/Distinctions

**Dr. Shivani G. Varmani:** Awarded Rashtriya Gaurav Award by India International Friendship Society.

## Seminars/Conferences held

National Symposium on 'Infectious Diseases: Basic & Applied Research'. The Symposium was sponsored by DBT, DST, CSIR & UGC on 3 February 2010.

National Seminar on 'Management of Waste from Electronics & Renewable Energies', The Symposium was sponsored by UGC, DIT, MOEF & OTHERS, 29-30 January 2010.

National Seminar on 'Recent Developments in Polymers' on 29 October 2010.

## Seminars/Conferences attended

**Dr. Geeta Bhatt:** Presented a paper entitled 'Indian Women at the Helm of Changing World Economy' and participated in the International Conference on Knowledge Management for Sustainable Development, jointly organized by Asian Institute of Technology Alumni Association, Nepal, and Asian Institute of Technology, Bangkok, Thailand, at Kathmandu, Nepal, 10-12 December 2009.

**Dr. Manoj K. Khanna, Dr. Geeta Mongia, Dr. Geeta Bhatt and Dr. Inderbir Kaur:** Attended an International Roundtable on 'Environmentally Sound Management of Electronic Waste' organized by ASESM & GTZ, The Park Hotel, New Delhi, 15-16 December 2009.



**Mr. Satpal Singh:** Participated and presented a paper entitled 'Biodegradable polymeric Film based on Polyactide/Clay Nanocomposite' at International Conference APA-2009 at India International Centre, New Delhi, 17-20 December 2009.

**Dr. Ranjeet S. Thakur:** Attended International Conference on Academic Libraries at Delhi University organized by Delhi University Library Systems, 5-8 October 2009.

**Dr. Geeta Mongia:** Attended a National Seminar & Workshop on 'Intergrating Multiple Technologies to support Teaching and Learning' at Maharaja Agrasen College & Institute of Informatics and Communication, University of Delhi South Campus, 24-26 September 2009.

**Dr. Anil K. Bali, Dr. Purnima Anand and Dr. Ruchi Gulati:** Attended National Symposium in 'Biotechnology in the Post-Genomic Era' organized by Department of Biochemical Technology, Sri Venkateshwara College, 9-10 April 2009.

**Dr. Saroj Kumar Shukla:** Attended 2nd National Conference on Nano Materials and Nano Technology at University of Lucknow, 21-23 December 2009.

National Symposium on 'Recent Developments in Polymers' at Bhaskaracharya College of Applied Sciences, 29 October 2009.

**Dr. Satpal Singh, Dr. Sushmita Dey Sadhu and Ms. Bikramjeet Kaur:** Attended National Seminar on 'Design and Developments of Rubber Components for Automobile and Footwear Industry' at India International Centre, New Delhi, 16 December 2009.

**Ms. Bikramjeet Kaur:** Attended National Seminar on 'Role of Analytical Techniques in Industry' organized by Kirori Mal College, Delhi University.

Attended National Seminar on 'Management of Waste from Electronics and Renewable Energies' at BCAS, 29-30 January 2010.

**Dr. Ranjeet S. Thakur:** Presented a paper entitled 'Fund Allocation Formula: A Case for College Library' in First National Conference on Financial Management of LICs in e-Environment, organized by the Delhi Library Association and Indian Agricultural Research Institute Library, New Delhi, 31 May 2009.

Attended National Seminar on 'Relevance of Ranganathan's Philosophy in Present Era' organized by the Department of Library and Information Science, Delhi University, 6 August 2009.

**Dr. Shalini Sehgal:** Attended e-learning course on 'Food Safety Management System: ISO 22000' by Asian Productivity Council & NPC, Delhi, 5-9 October 2009 and represented India in e-presentation 'Food Safety Issues: An Indian Perspective' which stood first among the five SAARC countries.

### **Publications**

**Mittal, A.** 'Tuning of PID Parameters using Artificial Neural Network', *IEEE-Xplore IMPACT 09*, pp. 309-12.

**Luthra, M.S. 2009.** 'Signatures of the Superfluid to Mott-insulator transition in cold bosonic atoms in a one dimensional optical lattice', *Phys. Rev. A*, 79: 013625.

2009. 'Supersolid and Solitonic phases in the one dimensional extended Bose Hubbard Model' (2009), *Phys. Rev. A* 80, 043614.

## BHAGINI NIVEDITA COLLEGE

### Major Activities

The College celebrated its Annual Prize Distribution Function on 11 March 2010. Prof. Deepak Pental, Vice Chancellor, Delhi University, was the Chief Guest on this occasion and Prof. Indra Nath Choudhuri was the Guest of Honour.

3.5 acres of land has been allotted to the College, adjacent to the existing 6.5 acres of land that the College presently occupies, making it a total of 10 acres of land for a new College building.

Miss Seema, B.A. (Prog.) Ist Year, bagged two gold metals in 5000 meter and 10,000 meter was at the Delhi University Inter-College Athletic Championship. She represented Delhi University at the All India Inter-University Athletic Championship held at Chennai.

Miss Renu won the Gold Medal in the Delhi State Boxing Championship and Gold Medal in the National Kick-Boxing Championship.

### Special Grants/Assistance/Projects

#### Awarded to the College

Promotion of Sports Facilities	:	₹ 50,000
Eco-Club	:	₹ 10,000

#### Library Development

Total Budget	:	₹ 2,90,0000
Books added	:	732
Journals subscribed	:	52

#### New Additions

Ms. Rita Namdev - Hindi	Dr. Rajesh Kumar - History
Dr. Poonam Mothsra - Chemistry	Ms. Santosh Kumari - Mathematics
Dr. Manisha Bhutani - Physics	

#### Honours/Distinctions

**Dr. Alokka Dutta:** Awarded the Universal Peace Ambassador Award for her contribution towards NSS activities by the University Peace Foundation in collaboration with Delhi University.

**Ms. Reeta Namdev:** Awarded Promising Achiever Award by Yog Confederation of India for her contribution in the field of education at the Internal Conference on Gandhi, Yog and Global Peace.

### **Seminars/Conferences attended**

**Dr. Alokka Dutta:** Presented a paper entitled 'The Process of Political Modernization' at the Centre for South-East Asian and Pacific Studies, on the theme 'India and East Asia: Prospects of Co-operation and Problems of Integration', Sri Venkateswara University, 7-9 October 2009.

Presented a paper entitled 'Globalization: Helping Asia Creating a New Identity' organized by RASK (Researcher's Association) on the theme 'Dynamics of Indo-Asian Relations: A step forward', 22-23 February 2010.

Presented a paper entitled 'India-Somalia relations: Prospects of future co-operation' on the theme 'India-Africa Development Co-operation: Past, Present and Future Vision' organized by the African Studies Department, Delhi University, 25 February 2010.

**Dr. (Mrs.) Sushma Rana:** Presented a paper entitled '*Sanskrit Sahitya mein Pururva-Urvashi Samvad aur Ramdhari Singh Dinkar ka Urvashi Prabandh: Tulnatamak Addhayan*' at a Conference, Kalindi College, 18-19 February 2010.

Presented a paper entitled '*Vishvabandhu ke Paripekshya mein Vaidik Sahitya ka Mahtav*' in a National Seminar, Lakshmi Bai College, 4-5 March 2010.

**Dr. Charu Sharma:** Presented a paper entitled 'Culture and Creativity: Challenges within School' at the National Symposium on 'Culture and Cognition: A Developmental Perspective' organized by the Department of Psychology, Delhi University, January 2010.

### **Publications**

#### **Books**

**Gupta, V. 2009.** *Mahasweta Devi: A Critical Reading*. Creative Books.

#### **Research Articles in Books or Scholarly Journals**

**Mehta, A. 2009.** 'Imagined Solidarities across Transnational Spaces – Indian English Women's Poetry as Transnational Feminist Praxis'. *Critical Practice*. Vol. XVI.

**Beniwal, A. and Mehta, A. 2009.** 'Contemporary Indian English Women's Poetry and the Representation of Woman: A Critical Reading', (eds) Rahman, A. and Kazi, A. Creative Books.

## BHIM RAO AMBEDKAR COLLEGE

### Major Activities

The College contributed substantially in changing people's lives by extending help to the flood victims of three districts of Bihar and also extended financial support to the Department of Social Work, Delhi University, by undertaking this work.

The College involved its students (Anti Tobacco Brigade) to promote a tobacco free environment.

It supported the women's empowerment programme by organizing a two-week Self Defence Programme for girls.

The College, in collaboration with *Dainik Jagran*, initiated an Admission-cum-Career Counselling and Orientation Programme for students.

The College conducted a 4-month English Basic Level Proficiency Course under the auspices of ILLL, Delhi University.

The College organized an Information and Communication Technology Skill Building Workshop in collaboration with the Institute of Life Long Learning (DU) and also constituted a Red Ribbon Club Committee.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Avadh Bihari	B.A. (Hons.) Social Work	I
Hamid	B.A. (Hons.) Social Work	II
Mamta Palta	B.A. (Hons.) Business Economics	III

### Library Development

Total Budget	:	₹ 7,07,291
Books added	:	1,239
Journals subscribed	:	33

### Seminars/Conferences attended

**Dr. Rakesh Shahani:** Presented a paper 'Risk Management and Global Financial Crisis' at the National Conference at AIMT, Ambala, Haryana, 6-8 November 2009.

**Dr. R. Thakur:** Presented a paper 'Mineral Resource Potential and Prospects in Chotanagpur Region' in a Seminar of the National Association of Geographers of India, Jabalpur, 19-21 November 2009.

Presented a paper 'Water Crisis Management in Rajasthan' at a National Seminar on 'Water Crisis in India with Special Reference to Rajasthan', Jaipur, 18-19 December 2009.

**Dr. R.N. Dubey:** Presented a paper 'A Blue Print for Urban Planning in India', 31st National Geography Congress, Bilaspur, M.P., 19-21 November 2009.

**Mr. Navin Kumar:** Participated in the 97th Indian Science Congress, Kerala University, Tiruvananthapuram, 3-7 January 2010.

**Dr. Sarla Devi Bhardwaj:** Attended a National Conference on History of Mathematical Sciences organized by Delhi University, 7-9 January 2010.

**Dr. Atul Pratap Singh:** Presented two papers (i) 'Micro Finance and Self Help Groups', in the National Seminar on 'Women Empowerment through Micro Finance' organized by Supath Gramodyog Sansthan, Ahmedabad, 8-9 August 2009; and (ii) 'Trafficking of Women and Children in India: Causes, Consequences and Intervention Strategies', in the National Seminar on 'Trafficking of Women and Children' organized by B, Kolkata, 26-27 December 2009.

## **Publications**

### **Books**

**Dubey, R.N. (ed.). 2010.** *Urbanisation and Urban Planning in India: Vision and Reality*, Delhi: Shree Natraj Prakashan.

**Kumar, D.** *Hindi Sahitya Evam Patrakarita Tatha Jansanchar*, Delhi: Manish Prakasan.

### **Research Articles in Books or Scholarly Journals**

**Arora, G.K. 2009.** 'Globalisation, Global Governance and Developing Countries: A Special Focus on India', *Indian Journal of Social Enquiry*, 1(3).

**Singh, A.P. 2009.** 'Domestic Violence: Perception of Women Living in Delhi', *Indian Journal of Developmental Research and Social Action*, 1(1-2).

**2009.** 'Women's Perception about Domestic Violence Living in Urban Slums', *Contemporary Social Work*, Year 1, Issue 2.

**Dash, B.M. 2010.** 'Repositioning Northeast India amid Globalization', *Indian Journal of Social Development*, 10(1): 193-202, January-June, 2010.

**Singh, R. 2009.** 'Urban Poverty and Slum', *Urban Panorama*, 8(1).

### **Communications to Symposia/Seminars/Conferences**

**Arora, G.K. 2009.** Symposium on 'Career Development in India', sponsored by the Department of Adult, Continuing Education and Extension, Delhi University and others, 13-14 January 2009.

## BHARATI COLLEGE

### Major Activities

In the academic field, this year, the College experimented with an extended Orientation Programme for first year students. This programme focused on bridging the gap between school and college and preparing our students for the added responsibilities they will have to shoulder by stressing, on the one hand, on academic reading and writing skills, and on the other, by helping them to deal with contentious social and psychological issues that they, as young adults, were bound to face. Realizing that these are difficult years for most young people, caught as they are between parental expectations, peer pressures, changing values and confusing signposts, the Orientation tried to not only make the transition from school to college easier but also, through discussion and debate, hopefully laid the foundation for sensible and enlightened decision making in the future. On the administrative front, the College has installed an integrated e-governance management system which should improve the overall efficiency of all administrative functions.

### Special grants/assistance/projects:

The College received a total of ₹27,50,000 towards Merged Schemes during the XI Plan.

### Library Development

Total Budget	-	₹ 6,87,625
No. of books added	-	976
Journals subscribed to	-	42

### New Additions

Dr. Prashant Sahoo - Political Science

Mrs. Seema - Commerce

### Honours/Distinctions

**Dr. Nandini Sen:** Awarded the Ambassador for Peace Award by the Universal Peace Foundation.

**Dr. Anita Sihma:** Awarded the Uday Samman for her work in the field of pedagogy.

**Mrs. Mala Rani:** Awarded the Distinguished Teacher Award instituted by the University of Delhi.

**Dr. Promodini Varma:** Awarded the Distinguished Teacher Award instituted by the University of Delhi.

### Seminars/Conferences attended

**Dr. Nandini, C. Sen:** Read a paper 'I'm a Nigenian Aren't ?' in an International Seminar on Culture Studies, at Sri Venkateshwara College.

**Dr. Mukti Sanyal:** Led a workshop on 'Promoting Fluency in College English' at the first ELT@I, Jaipur Chapter, Jaipur. She led another workshop on 'Cross Cultural Issues in Films' in the National Workshop on 'Cross Cultural Business Communication' at the Bhopal School of Social Sciences.

**Dr. Shyamala Bhatia:** Read a paper on 'The Verbosity of Proverbs' at the Annual Session of the Punjab History Congress.

**Dr. Kumudini Sudhir:** Presented a paper 'Relevance of Ancient Indian Scriptures and Related Texts from the Modern Perspective' at the World Conference of AIAER.

**Dr. Rajni:** Presented a paper 'E-Commerce Laws in India: Legal Issues and Critical Assessment' at the International Conference on the Role of Information Technology in Shaping World Economy at Shahjahanpur.

Presented a paper 'Financial Development and Economic Growth: A Study of Select Asian and Latin American Countries' at the Social Science Congress organized by the Indian Academy of Social Sciences at Hyderabad.

**Ms. Kalpana Kataria:** Presented a paper 'A Critical Approach to Trade and Commerce in 60 years of the Indian Republic' in XXXII Indian Social Science Congress at Jamia Milia Islamia.

**Ms. Arshi Zareen:** Presented a paper 'A Conceptual Framework on Customer Lifetime Value: Its Components and Metrics' in VI International Conference Organized by the Punjab Commerce and Management Association.

### **Publications**

**Sen, Nandini,** 2009. 'Women as Bonded Labourers: A Study of Mahashewta Devi's Short Stories'. *Journal of the School of Language, Literature and Culture Studies*.

2009. 'Fundamentalism and Women: A Study of Nowal-ell-Saadawi'. *Journal of African Studies*, Illinois University, USA.

**Bhatia, S. 2009.** 'Punjab in Turmoil'. In *Punjab Past and Present*.

**Sharma, M. 2009.** *Dhananand aur Prasad ke kavya mein prem aur saundarya*. New Delhi: Jyoti Enterprise.

**2009.** 'Adha Adhure mein shree chetna aur vimarsh. In *Shodhshree*.

**Sihmar, A. 2009.** 'Vartmaan samaj aur manav mulya' in *Uday*.

**Rajni, 2009.** 'NSE vs. BSE: Who leads the Rally?' *International Journal of Business and Management*, 2: 1.

**Sanyal, M. (ed). 2009.** *An Anthology of Translations of Sanskrit Classics*. Lal Bahadur Shastri Sanskrit Vidyapeeth.

(ed), 2009. *An Anthology of Adaptations of Sanskrit Classics*. Lal Bahadur Shastri Sanskrit Vidyapeeth.

## COLLEGE OF VOCATIONAL STUDIES

### Major Activities

The college organized a Microsoft Computer Training Programme of ILLL for capacity building of college teachers. The college organized a 14-day training programme for Tourist Guides for Commonwealth Games 2010 sponsored by HTTM (Government of India) in August 2009. Dr. Inderjeet, Principal, chaired a session of the National Seminar on 'Tourism and Sustainability' at GGSIP University. He, has been awarded a Major Research Project by UGC entitled 'Human Resources Practices in ITES-BPO Industry - A case study of India'. He was a resource person at CPDHE, Academic Research Centre, Delhi University. He also participated in various live programmes about the college achievements in Vocational Education on Ddhi Doordarshan, DD News, CNBC, Aaj Tak, DUCR 90.4 MHZ and All India Radio. He attended a 2-day workshop on 'Managing RTI in educational institutions' at Jamia Millia Islamia, New Delhi, and participated in a programme on 'Reservation Policy of Government of India' at Chandigarh conducted by IIPA, New Delhi.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Geetanjali Agarwal	B.A. (VS) MMRB	I

Awarded Amir Chand Malhotra Memorial Prize by Delhi University.

### Special Grants/Assistance/Projects

Awarded to individual teachers: MRP grant to Dr. Inder Jeet.

### Library Development

Total Budget	:	₹ 7,50,000.00
Books added	:	1,860
Journals subscribed	:	74

### Appointment of faculty members to higher Posts/Assignments

**Dr. Pradeep Biswas:** Joined Portugal University as fellow for Post Doctoral Studies.

**Mr. Ashish Taru Deb:** Joined Institute of Economics Growth for Post Doctoral Studies.

### Honours/Distinctions

**Mrs. Natasha Raina Kanwar,** History Department: Honoured as 'Distinguished Teacher' by Delhi University on Teachers' Day.

### Seminars/Conferences attended

**Dr. Raman Kumar and Dr. Surender Singh:** Attended 'National Seminar on 'Corporate Laws' at Shaheed Bhagat Singh College, Delhi University, 4-5 December 2009.



**Dr. S.K. Bajpai:** Participated in National Conference on Financial Management of LIS Centre in e-Environment at IARI, New Delhi, May 2009.

Attended International Conference of Academic Librarians (ICAU), Delhi University, 5-8 October 2009.

## **Publications**

### **Books**

**Inder Jeet. 2009.** *Business Law*. Delhi: Book Age Publications.

**Chopra, R.K. 2009.** *Business Communication*. Mumbai: Himalaya Publishing House.

**2009.** *Business Correspondence*. Mumbai: Himalaya Publishing House.

**2009.** *Administrative Office Management*. Mumbai: Himalaya Pub. House.

**Janmejay, P. 2009. (ed.).** *Vyang Ka Samkaleen Paridashya*. New Delhi: Granth Lok.

**2009. (ed.).** *Ekyavan Shreshth Vyange*. Delhi: Bhavna Prakashan.

**Singh, S. 2010.** *Fundamentals of Financial Management*. New Delhi: IBB.

### **Seminars Papers**

**Mohanty, Pratap C.** 'To what extent Maharashtra's Muslim mothers are healthy and using healthcare' in National Seminar on 'Socio economics and educational status of Muslims', Mumbai, 21-22 December 2009.

'Digital divide to digital dividend in India' in International Conference on Changing Economic Environments - Performance of Nations, Baroda, September 2009.

**Chaudhary, Harjender S.** 'Globalization and Hindi Language' in International Conference, Meerut University, February 2010.

**Malhotra, R. 2010.** 'Education and Muslim Identity formation in Central Provinces and Berar, 1854-1940' in International Conference in Education and Development, Valencia (Spain), 8-10 March 2010.

**Gupta, S. and Kaul, R. 2009.** 'Diaspora in their own hands' at National Seminar, Kashmir University, October 2009.

## **COLLEGE OF ART**

### **Major Activities**

The Induction Ceremony was held on 26 July 2009 in the College premises where the newly admitted students were welcomed along with their parents for an interaction with the faculty and students. The Pro Vice-Chancellor was the Chief Guest, and the other dignitaries were Dean, Students' Welfare; Dean, Faculty of Music & Fine Art and Dy. Dean, Students' Welfare, Delhi University.

The Annual National level Seminar-cum-Workshop was hosted by the College on 14-19 September 2009, where 48 senior Fine Art students from 13 premier Art Colleges in the country were invited to participate, interact and work in various mediums along with Faculty and students of the College. The event was inaugurated by Dr. Kiran Walia, Hon'ble Minister for Health & Family Welfare, Govt. of NCT of Delhi, and presided over by Dr. Anjali Mittal, Dean, Faculty of Music & Fine Art, Delhi University, in the College premises.

The Convocation Ceremony for the student of BFA and MFA (of academic session 2008) was held on 20 November 2009 in the College premises. Smt. Sheila Dikshit, Hon'ble Chief Minister of Govt. of NCT of Delhi, delivered the Convocation Address. The other dignitaries who graced the occasion were Dr. S.K. Vij, Dean, Students' Welfare, Delhi University; Dr. Anjali Mittal, Dean, Faculty of Music & Fine Art, Delhi University; and Ms. Arpana Caur, Eminent Artist; and Sh. Vinod Kumar Jain, Addl. Secretary, Deptt. of Training & Tech. Education, Govt. of NCT of Delhi.

The Annual Study Tours in two Groups for the IIIrd Year Specialization classes of the three disciplines. Group-1 (Painting/Sculpture) from 5-24 January 2010 and Group-II (Applied Art) from 13-28 January 2010 were organized to see sites of artistic and man-made wonders in Madhya Pradesh, Uttar Pradesh, Sikkim, West Bengal, Orissa, Maharashtra, Gujarat, Goa and Rajasthan.

The Annual Art Exhibition was held from 11-19 March 2010. The Exhibition was inaugurated by His Excellency Hon'ble Lt. Governor of Delhi.

## **DURGABAI DESHMUKH COLLEGE OF SPECIAL EDUCATION (VISUAL IMPAIRMENT)**

### **Library Development**

Total Budget	-	₹ 80,000
Books added	-	219
Journals Subscribed	-	1

### **Honours/Distinctions**

**Dr. Swati Sanyal:** Appointed as Member of the Expert Committee constituted by the Rehabilitation Council of India.

**Mrs. Pubali Agarwal:** Awarded the Kiran Achievement Award organized by Women's International Network and Taj Association for Art, Culture & Heritage (T AACH) 111, 25 November 2009.

Award of Excellence, organized by the World Community of Indian Culture and Traditional Disciplines, Italy, and Yog Confederation of India, 2 September 2009.

### **Seminars/Conferences attended**

**Mr. S.K. Dubey:** Presented paper on 'The Role of Teachers in Realising Inclusion' at National Seminar on 'Emerging Issues in Disability Studies in India', organized by IGNOU, Delhi, March 2009.

Presentation in the Tele-conference on 'Excursion and the Visually Impaired Learner', telecast by Navshikhar Channel, Rehabilitation Council of India, August 2009.

**Mrs. Pubali Agarwal:** Presentation in the Tele-conference on 'Preparation and use of Tactile Material for Teaching Geography to Children with Visual Impairment' along with Mrs Kanak Lal, live telecast by Navshikhar Channel, Rehabilitation Council of India, Delhi, 9 November 2009.

Presentation in the Tele-conference on 'Leisure and Recreational Activities for Children with Mental Retardation' along with Ms Bema Gauri, live telecast by Navshikhar Channel, Rehabilitation Council of India, Delhi, 14 October 2009.

Presentation in the Tele-conference on 'Psychological Assessment of Children with Visual Impairment', live telecast by Navshikhar Channel, Rehabilitation Council of India, Delhi, 12 October 2009.

Presentation in the Tele-conference on 'Education of the Multiple Disabled Visually Impaired Children', live telecast by Navshikhar Channel, Rehabilitation Council of India, Delhi, 3 August 2009.

Presentation in the Tele-conference on 'Establishment of Museum for Children with Visual Impairment', live telecast by Navshikhar Channel, Rehabilitation Council of India, Delhi, 9 April 2009.

## **DAULAT RAM COLLEGE**

### **Major Activities**

A highlight of the year was the initiation of the process of capacity building in ICT skills by the conduct of digital literacy programme for all faculty members of the College in collaboration with Microsoft and the Institute of Life Long Learning, University of Delhi. The resource persons for the programme were Dr. Chitra Bhasin, Department of Zoology, and Dr. Sarita Nanda, Department of Biochemistry.

Some of students have been recruited by well-known companies such as HCL, Google India and Ernst and Young through the College placement cell.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Shruti Goyal	B.Sc. (Hons.) Biochemistry	I
Ms. Rashi Verma	B.A. (Hons.) Philosophy	I
Ms. Mansi Bhandari	B.Sc. (Hons.) Biochemistry	II
Ms. Garima Bhutani	B.Sc. Life Science	II
Ms. Samarpana Chakarborty	B.Sc. (Hons.) Biochemistry	III
Ms. Neha Gupta	B.Com. (Hons.)	III

### Special Grants/Assistance/Projects

The College has received a special grant of Rs. 65 lakh from UGC for upgradation of the hostel for the Commonwealth Games.

**Dr. Suranjita Ray:** Awarded a UGC research project grant of Rs. 5,00,000 for post doctoral work.

### Library Development

Total Budget	-	₹ 9,82,500
New titles added	-	2875
Journals Subscribes	-	49

### Honours/Distinctions

**Dr. Lalita Kuppuswamy:** Awarded Ph.D. Degree in Persian.

**Dr. N.P. Malkani, Dr. Suranjita Ray, Dr. Moitree Bhattacharya and Ms. Kristina Z. Zama:** Awarded Distinguished Teacher Award by Delhi University.

### Seminars/Conferences attended

**Dr. Kanan Nanda:** Participated in International Conference EDGE 2009 organized by Vision Group for EDGE, at India Habitat Centre, New Delhi.

**Dr. Gayatri Prakash:** Chaired a Technical Session and also presented a paper on 'Environment and Health' during an International Conference on Climate Change and Sustainable Management of Natural Resources organized by the Institute of Allied Science and Computer Application (LASCA) at ITM University Campus, Gwalior.

**Dr. N.P. Malkani:** Participated in the International Workshop on 'Molecular Systematics of Flowering Plants', Department of Botany, Delhi University.

**Dr. Pooja Jain:** Attended International Workshop on 'Micronutrients and Child Health' at AIIMS, New Delhi.

**Dr. Kavita Sharma:** Participated in National Workshop on 'Design and Development of Physical Education' organized by the Department of Physical Education & Indira Gandhi College of Physical Education and Sports Science.

**Dr. Usha Singh:** Participated in National Workshop on 'Quality of Teacher Education' organized by NCTE and Education Department, Lucknow University, and in National Workshop on 'Design and Development of Curriculum for Post Graduate Courses of Physical Education' organized by the Department of Physical Education & Indira Gandhi College of Physical Education and Sports Science.

**Dr. Sunita:** Presented a paper in Hungary entitled 'Corporate Culture and its Relationship with Organisational Effectiveness/Organisational Effectiveness outcomes' at the Tenth International Scientific Conference on UN Millennium Development Goals: Challenges and Perspectives under the auspices of the United Nations Organisation, jointly organized by the Delhi School of Professional Studies and Research and the Faculty of Economics and Social Sciences of Szent Istvan University, Hungary.

**Dr. Moitree Bhattacharya:** Presented a paper on 'Women's Political Empowerment in Rural West Bengal: Post-73rd Amendment' in National Seminar on 'Women in Panchayats and Local Urban Bodies in West Bengal' organized by M.D. Mahavidyalaya, University of Calcutta, Kolkata.

**Dr. Deepshikha M. Bortamuly:** Presented a paper on 'The multifaceted personality shaping the writer and the individual in Indira Goswami', National Conference on the Fictional World of Indira Goswami, Department of MIL & Literary Studies, Delhi University.

**Dr. Manisha Jaiswal:** Participated in International Conference on Issues in Finance and Economics Development in Developing Countries during Globalization organized by Sri Ram College of Commerce, Delhi University, and in National Conference on Corporate Governance, Contemporary Issues, organized by SBS College, Delhi University.

## **Publications**

**Bhattacharya, M. 2009.** 'Democratic Decentralization and Panchayati' In: *Contemporary India- Economy, Society and Politics*, (eds) Chandhoke, N. and Priyadarshi, P. Delhi: Pearson Education.

**Bortamuly, M.D. 2009.** 'Translation of Indira Goswami's *My Mother*', in *My Mother Strength*, (ed.) Jayashree Mohanraj. Delhi: Rupa & Co.

'Roland Barthes: the author who proclaimed the death of the author' (In Assamese). Goriyasi.

**Jain, I. (ed.). 2009.** 'Corporate Taxation: An analysis of Certain Provisions of Selected Countries'. *Taxman*, Vol. 1841.

**Kuppuswamy, L. 2009.** 'Hymns of Sankara', In *Dr. Ramamurti Sharma Commemoration Volume*.

2009. 'Microbiology in 'Vedas with special reference to Atharva Veda' In International Vedic Conference at Gurukul Kangri University, Haridwar.

## DEEN DAYAL UPADHYAYA COLLEGE

### Major Activities

After the Orientation Programme on 14 July 2009, the College celebrated its Founder's Day on 25 September 2009. Sh. Ravi Shankar Prasad, MP, Rajya Sabha, was the Chief Guest and Dr. Kanwarsen, Mayor of Delhi, was the Guest of Honour. An Inter-College Choir and Classical Dance competition 'Vande Mataram', was held on 26 September 2009 which was inaugurated by Shri Mangat Ram Singhal, Hon'ble Minister, Govt. of NCT of Delhi. The Annual Cultural Festival 'KALARAV' was held on 22-23 December 2009. The Department of Business Studies organized its Management Fest 'Melange-2010' with more than 50 teams participating in it. The Department of Computer Science organized its IT Fest 'TECH MARATHON-2010' in which 300 students from various Colleges of Delhi, I.P. University, Amity University, CCS University, MD University, UP Tech. & Bhartiya Vidyapeeth participated.

The Dramatics Club 'YAVANIKA' produced a non-verbal play 'Gul Gulee Circus'. The students held 15 shows at various theatres, schools, night shelters, etc. and received heartwarming responses and reviews. They also presented a self-directed and self-written play 'Kyun Bandhi Hoon Mein'.

The Women Development Cell organized a one-week workshop in August 2009 which was inaugurated by the Hon'ble Minister of Health and Family Welfare, Prof. Kiran Walia, and Prof. S.K. Tandon, Pro-Vice Chancellor, Delhi University.

Spic-Macay Chapter organized a Qawwali performance by Chand and Shadab Nizami and Rudraveena Recital by Padma Bhushan Ustad Asad Ali Khan. The Gandhi Study Circle organized a one-day National Seminar on 'Hind Swaraj'. The Eco-Club, Photography Club and Adventure Club continued their activities throughout the year. The NSS Committee was extraordinarily active this year and involved 56 students for work with various organizations.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Vandana Mittal	PGDCA	I
Kamna Thukral	PGDCA	II

### Special Grants/Assistance/Projects

The College received a Special Grant of ₹ 1.71 crore from the Govt. of NCT of Delhi for construction of 24 rooms to accommodate expansion due to OBC reservation.

A Non-Recurring Grant of ₹ 50 lakh was received for purchase of equipment, upgradation of office and other departments from the Govt. of NCT of Delhi.

**Dr. Sanjay Pant:** Research Project on 'Holomorphic Dynamics on Projective Spaces' by UGC and sanctioned a sum of ₹ 1.40 lakh.

**Dr. Kulvinder Singh:** Research Project on 'Modelling, Growth and Characterisation of Poly Crystalline Thick Films of Mercuric Iodide for X-ray Detection' by UGC and sanctioned a sum of ₹ 1.35 lakh.

### **Library Development**

Total Budget : ₹ 10,01,000  
Books added : 1,575  
Journals subscribed : 58

### **New Additions**

Dr. Monika Bansal	Ms. Deepa Kamra	Dr. Yogieta S. Mehra
Dr. Rakesh Kumar	Mr. Sachchidanand Tripathi	Ms. Raj Kumari S. Devi
Mr. Anil Kumar	Mr. Rohith P.	Ms. Mamta Nigam

### **Honours/Distinctions**

**Dr. Deepak Jain and Dr. Ratnakar Pramesh:** Conferred the Distinguished Teacher Award-2009 by Delhi University.

**Ms. Sudha Arora, Ms. Shalini Bhatia and Ms. Abha Wadhwa:** Awarded Doctor of Philosophy by Delhi University.

**Dr. Anubha Mukherji:** Awarded an International Prize by Tehran Radio Festival in June 2009 for a radio script written for a radio feature on a rural newspaper 'Khabar Laharia' run by a conglomerate of Dalit Women in Chitrakoot, UP.

**Dr. Manoj Saxena:** Elected Member for the Professional Societies: M.N.A.Sc; Member, National Academy of Sciences India, Allahabad; and Associate, Indian Academy of Sciences, India.

His name appeared in the Golden List of IEEE Transactions on Electron Devices Reviewers 2009.

### **Seminars/Conferences held**

National Conference MATEIT-2010 sponsored by UGC, 30-31 January 2010. Besides two introductory key talks, it had 7 invited talks, 48 research papers and 12 poster presentations.

### **Seminars/Conferences attended**

**Dr. Jain Veena:** Attended IV International Conference on Quality, Reliability and Infocom Technology Trends and Future Direction, jointly organized by Society for Reliability Engineering, Quality and Operations Management and Department of Operational Research, Delhi University, 18-20 December 2009.

**Dr. Arpita Sharma:** Attended International Conference on Pattern Recognition and Machine Intelligence 2009 at IIT Delhi, 16-20 December 2009.

**Dr. T.N. Chhabra:** Attended a Workshop on 'Case Method of Teaching' by the Faculty of IMM, Ahmedabad, 1-3 September 2009.

**Dr. Veena Jain:** Attended a National Workshop on 'Futuristic Trends of Quality Control in Information on Security Management', 9-11 October 2009.

Attended a Workshop on 'Mathematical Modeling and Related Optimization Techniques', 14-17 December 2009.

**Dr. Deepak Jain:** Plenary Speaker at 2nd Indo-Japan Workshop on 'Gravitation and Cosmology' held at CTP, Jamia Millia Islamia, New Delhi, December 2009.

**Dr. Anubha Mukherji:** Invited as resource person to address the participants of a refresher course organized by WSDC in November 2009 by WSDC, Delhi University on the topic 'Women & Media: A Case Study' and by Consortium of Education to deliver two Lectures on 'Modernism' as part of their Distance Learning Programme 2010.

**Dr. Nisha Rana:** UGC project to organize National Level Residential Workshop on 'Capacity Building for Women Managers in Higher Education', Delhi University, 25-29 August 2009.

**Dr. S.K. Garg:** Delivered a lecture on 'University of Delhi-Its History, Organisational Structure and Functions with special reference to Examination System and Internal Assessment' in a course organized by ILL, Delhi University, for Principals, Heads and Deans of the University, 21-23 January 2010.

**Dr. Rana Nisha:** Selected for Advance level Training of UGC on 'Women in Academic Leadership' conducted at Bhopal in September 2009. She conducted Workshop as UGC National Resource Person for 'Capacity Building for Women Managers in Higher Education' on Women in Academic Leadership at Lady Irwin College, DU, March 2009; S.D. College, Ambala Cantt., April 2009; DDU College, August 2009; K.M. College, DU, October 2009; Lady Irwin College, DU, January 2010; WDC, University of Kurekshtra, February 2010.

Attended a Workshop on 'Case Method of Teaching' conducted by faculty of IIM, Ahmedabad, 1-3 September 2009.

**Dr. Manoj Saxena:** Secretary, XVIII WIMNACT Workshop and IEEE EDS Mini-colloquium on 'Nanometer CMOS Technology', New Delhi, Mini Colloquia on 'Compact Modeling and Fabrication techniques of advance MOSFET/HEMT structures' at Delhi, UDSC, New Delhi, 4-5 June 2009 sponsored by the IEEE Electron Device Society under its Distinguished Lecturer Programme.

Secretary International Symposium on 'Microwave and Optical Technology' at Hotel Ashok, New Delhi, 16-19 December 2009.

Sponsored Projects he was the Co-Principal Investigator in UGC and Govt. of India sponsored research project entitled 'Modeling and simulation of Nanoscale Dual Material Gate Insulated Shallow Extension Silicon on Nothing MOSFET for Low voltage low power applications'.



Reviewer of International Conference - International Symposium on 'Microwave and Optical Technology' at Hotel Ashok, New Delhi, 16-19 December 2009.

**Mr. Sikander Aggarwal, Administrative Officer:** Attended Training Programme on Education Administration for Academic Administrators organized by CPDHE & ILLI, Delhi University.

Project on 'Leave Rules for Teaching and Non-Teaching Staff Present Status and Scope of Reforms' was adjudged among the best.

Attended Workshop on 'Reservation Policy in Employment for SC/ST/OBC/PH categories' organized by Delhi University in collaboration with the Institute of Public Administration at Chandigarh.

## **Publications**

### ***Articles in Journals/Periodicals***

**Arora, S. and Arora, S.R. 2010.** 'Multiobjective Capacitated Plant Location Problem', *International Journal of Operational Research*, 7(4): 487-505.

**Bhardwaj, R.M. 2009.** 'The Methods and the Stages of the Preservation of Buddhist Canonical Literature: Oral Tradition', *Anusandhanika (ISSN 0974-200X)*, 7(2): 163-69.

**Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2009.** 'Investigation of Multi-Layered-Gate Electrode Workfunction Engineered Recessed Channel Sub-50nm MOSFET: A Novel Design', *International Journal of Numerical Modeling: Electronic Networks, Devices and Fields*, 22(3): 259-78.

**2009.** 'Two-dimensional threshold voltage model and design considerations for gate electrode workfunction engineered recessed channel (GEWE-RC) nanoscale MOSFET: part I'. *Semiconductor Science Technology*, **24**(6): 065005 (10pp), June 2009.

**Kaur, R., Chaujar, R., Saxena, M., Gupta, M. and Gupta R.S., 2009.** 'Two Dimensional Simulation and Analytical Modeling of a Novel ISE MOSFET with Gate Stack Configuration', *Microelectronic Engineering*, 86(10): 2005-14, October 2009.

**2009.** 'TCAD assessment of Gate Electrode Workfunction Engineered Recessed Channel (GEWE-RC) MOSFET and its multi-layered gate architecture, Part II: Analog and large signal performance evaluation', *Superlattices and Microstructures*, 46(4): 645-55, October 2009.

**2010.** 'TCAD Performance Investigation of a Novel MOSFET Architecture of Dual Material Gate Insulated Shallow Extension Silicon on Nothing MOSFET for the ULSI-Era', *Microwave and Optical Technology Letter*, Vol. 52(3): 652-57, March 2010.

**2010.** 'GEWE-RC MOSFET: High Performance RF Solution to CMOS Technology', *Microwave and Optical Technology Letter*, 52(3): 770-75, March 2010.

**Alcaniz, J.S., Dev, A., Goncalves, R.S., Jain, D., IAU 2009, JD9 Conference proceedings, Vol. 80.**

**Kumar, R. 2009.** 'Efficient Capital Markets and Investors' Preference for Returns under the Condition of Risk' at International Conference at Shri Ram College of Commerce, Delhi University, 6-7 November 2009.

**2009.** 'Asymmetric Volatility and Cross Correlation in Stock Returns under Risk and Uncertainty', *Vikalpa* (IIM-A Journal), 34(4).

**2010.** 'Empirical Analysis of Conditional Heteroskedasticity in time series of Stock Returns and Asymmetric effect on Volatility', *Global Business Review*, 11(1).

### **Books**

**Chhabra, T.N. 2010.** *Team Building and Leadership*. New Delhi: Sun India Publications.

**Saxena, M. (ed.). 2009.** *Proceedings of the International Symposium on Microwave and Optical Technology (ISMOT)-2009*.

(ed.). 2010. *Proceedings of 3rd National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries*, sponsored by the University Grants Commission (UGC), Govt. of India organized by DDU College, Delhi University, 30-31 January 2010.

### **Communication to Symposia/Seminars/Conferences**

**Bhardwaj, R.M.** 'The Methods and Stages of the Preservation of Buddhist Canonical Literature: Oral Tradition', at the 3rd SSEASR Conference, Denpasar, Bali, Indonesia, on Waters in South and Southeast Asia: Interaction of Culture and Religion organized by SSEASR-A Regional Association of IAHR under the auspices of UNESCO.

'A Brief Survey of Sanskrit and Prakrit Poetic Texts on Some Aspects of Religious Vratas and Utsavas in North and Central India: 5-12 Centuries A.D.', IV Indian Association for the Study of Religions-An Affiliate of International Association for the History of Religions National Conference on Morality and Religion: Exploring Their Relationship, Department of Philosophy, DU. At this Conference, Dr. R.M. Bharadwaj was also elected North India's representative for IASR, 29-30 January 2010.

'Some Aspects of the Social Basis of Vratas and Utsavas in North and Central India: 5-12 Centuries A.D.' at International Seminar on 'Buddhism and Globalisation' organized by the Department of Buddhist Studies, DU, and ICCR, Delhi, and sponsored by UGC, 17-19 February 2010.

**Chaujar, R., Saxena, M., Gupta, M. and Gupta, R.S. 2009.** 'Evaluation of Multi-Layered Gate Design on GEWE-RC MOSFET for Wireless Applications in terms of Linearity-Distortion Issues', International Symposium on 'Microwave and Optical Technology-2009', Hotel Ashok, New Delhi, 16-19 December 2009.

**Malik, P., Chaujar, R., Gupta, M. and Gupta, R.S. 2009.** 'Two-Dimensional Analytical Model for Trapezoidal Recessed Channel MOSFET using Gate Material Engineering', International Symposium on 'Microwave and Optical Technology', p. 419, New Delhi, 16-19 December 2009.

**2010.** 'Effect of control gate length on Device Performance of GME-TRC MOSFET', Third National Conference on 'Mathematical Techniques: Emerging Paradigm for Electronics and IT Industries', pp. 309-12, New Delhi, 30-31 January 2010.

**Kumar, R., Mishra, A., Rajpal, N. and Singh, R. 2010.** 'HVS Based Digital Image Watermarking Algorithm Implemented using Back Propagation Neural Networks', 3rd International Conference on Data Management at IMT Ghaziabad, 11-12 March 2010.

**Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2009.** 'Analytical Drain Current Evaluation Technique for Various Non-Uniformly Doped MOS Device Architectures', International Symposium on 'Microwave and Optical Technology', Hotel Ashok, New Delhi, 16-19 December 2009.

## DELHI COLLEGE OF ARTS AND COMMERCE

### Special Grants/Assistance/Projects

Awarded to the College : ₹ 3.88 crore+Rs. 2 crore =5.88 crore for OBC infrastructural expansion, etc.

### Library Development

Total Budget	:	₹ 68,24,130
Books added	:	1,664
Journals subscribed	:	27

### Seminars/Conferences held

V UGC sponsored Seminar on 'Re-thinking Higher Education: Constraints and Possibilities', 16-18 March 2010.

### Seminars/Conferences attended

**Dr. M.S. Rawat:** Presented a paper entitled 'Knowledge Management: Leveraging e-Learning in Universities', University of Toronto, Canada, July 2009.

Presented a paper entitled 'Human Resource Information System Strengthening Universities-Holistic Approach', XII International Conference at Casada Musica, Porto, Portugal, July 2009.

Presented a paper entitled 'Applying Knowledge Management Supporting Innovations for Inclusive Development', IV International Conference on Knowledge Management in Organisation at National Taiwan University, Taipei, June 2009.

Presented a paper at National Seminar organized by Centre for Education Beyond Curriculum, Christ University, Bangalore, 20-22 May 2009.

Presented in absentia, IV International Conference on Knowledge Management in Organisations: KM and Service Science at National Taiwan University, Taipei, 23-24 June 2009.

Presented paper in absentia, XII International Conference on Technology Policy and Innovation at Casada Musica, Porto, Portugal, 13-14 July 2009.

Presented paper at IV International Conference on e-Learning, University of Toronto, Canada, 16-17 July 2009.

Participated in Panel Discussion on 'Public-Private Partnership in Higher Education challenges and Opportunities' organized by L.S.R. College for Women, Delhi University, 17 September 2009.

Participated in Seminar on 'Government Flagship Schemes: ICT Key Enabler', organized by FICCI, Federation House, Tansen Marg, New Delhi, 21 October 2009.

Participated in FICCI Higher Education Summit on 'Imperative for Higher Education: Inclusion, Expansion and Excellence' at Federation House, New Delhi, 6-7 November 2009.

Attended National Seminar on 'Corporate laws: Contemporary Issues' organized by SBS College at VPCI, DU, 4-5 December 2009.

Presented paper titled 'Dynamics of Public-Private Partnership in Higher Education – Indian Perspective' at XVI National Conference of Indian Colleges Forum on Reforming Higher Education in the Context of Globalization, Coimbatore, 5-7 February 2010.

Participated in International Conference of Emerging Directions in Global Education, Catalyzing Change, India Habitat Centre, New Delhi, 3-5 March 2010.

**Dr. V.B. Singh:** Paper titled 'Developing S-Shaped software' was published in the proceedings of IASTED International Conference on Software Engineering at Innsbruck, Austria, February 2010.

**Dr. Tarjeet Sabarwal:** Presented a paper titled 'Human Rights: A Selective Right?' at an International Conference organized by the International Association for Media and Communication Research at Mexico City, July 2009.

**Dr. Devika Narula:** Presented a paper titled 'Land of Promise-Gained or Lost: The Paradox of immigrant women in Canada' a study of Deepa Mehta's film *Heaven on Earth* and Anita Rau Badami's *Tamarind Women* at an International Conference of Canadian Studies at Jadavpur University, February 2010.

**Dr. Anita Bhela:** Attended an International Seminar at Miranda House on 'Revisiting Kalidasa's Abhigyanashakuntlam-Land, Love, and Language: Forms of Exchange in Ancient India', February 2010.

**Nidhi Madan:** Presented a paper 'Exploring the Romantic Legacy of Milton and beyond act the DSA'. International Seminar conducted by Delhi University.

**Ms. Shalini Saxena:** Presented a paper at an International Conference on Environment, Resource and Regional Development organized by the University of Burdwan, March 2010.

**Mr. P.C. Rathore:** Attended an International Conference on Academic Libraries, October 2009.

Indian Library Associations Conference 'Library and Information Science in Digital Era', January 2010.

### **Publications**

**Rawat, M.S. 2009.** 'Access and Equity: The Changed Agenda of Higher Education', *Journal of the World Universities Forum*, 2(2): 111-28, Melbourne, Australia, also available at <http://www.universities-journal.com/>.

**2009.** 'Applying Knowledge Management Concept for Academic and Administrative Competency', National Seminar on 'Perceptions of Emerging Competencies of Educational Administrators of Higher Education Institutions in India', Christ University, Bangalore, 20-22 May 2009.

**2009.** 'Knowledge Management Supporting Innovations for Inclusive Development', IV International Conference on Knowledge Management in Organizations, Department of Business Administration, National Taiwan University, Taipei, 23-24 June 2009.

**2009.** 'Knowledge Management: Leveraging e-Learning in Universities', IV International Conference on e-Learning, University of Toronto, Canada, A Conference managed by ACL Reading, England, 16-17 July 2009.

**2009.** 'Human Resource Information System Strengthening Universities-Holistic Approach', XII International Conference on Technology and Innovation at Casada Musica, Porto, Portugal, Latin America, 12-14 July 2009.

**2009.** 'Leveraging Technologies to facilitate change in Education System', *Journal of Digital Learning*, the monthly publication on ICT, 5(7): 37-38, July 2009.

**2009.** 'Are Higher Educational Institutions Really Knowledge Managers? An Indian Perspective', *International Journal of Knowledge, Culture and Changed Management*, 9(7): 141-54, 2009.

**Kapoor, N. 2009.** *Advertising and Personal Selling*. Pinnacle.

'Distribution based Software Reliability Growth Model with Change-Point and Two types of Imperfect Debugging'. *BVICAM's International Journal of Information Technology*, 1(2): 29-34, ISSN 0973-5658.

**2009.** 'Measuring Reliability Growth of Open Source Software', poster presented in IMB-Indian Research laboratory Collaborative Academia Research Exchange, at IBM India Research, New Delhi, 26 October 2009.

**2010.** 'Developing S-shaped Software Reliability Growth Model for Open Source Software', in *Proceedings of IASTED International Conference on Software Engineering*, 16-18 February 2010.

Paper titled 'Instructions Executed Dependent Reliability Growth 10 Modeling for open Source Software by Applying Stochastic Differential Equations', presented in IV International Conference on Quality, Reliability and Infocom Technology, Conference Centre, Delhi University, 18-20 December 2009.

**2010.** 'Instructions Executed Dependent Software Reliability Growth Modeling for Open source Software by Considering Change-point', in *proceeding of IV National Conference on Computing for Nation Development-INDIACOM-2*, Bharati Vidyapith, New Delhi, 25-26 February 2010, pp. 399-404.

**Saxena, S. 2010.** Presented a paper at an International Conference on Environment, Resource and Regional Development, organized by University of Burdwan, March 2010.

**Sharma, V.** Prepared study material on Oliver Twist for SOL, Delhi University.

**Narula, D.** 'A View from Down-Under: The Discover of the White Tiger'.

'The future of South Asian Canadian Literature' poem 'Exuberance' was selected by NCERT for publication in a book on Writings by Women Writers.

**Madan, N.** 'Subjectivity and Representation in Autobiographical Narratives', Creative Forum.

**Anand, M.C.** *Rangmanch Ke Siddhant*, edited jointly with Prof. D.R. Ankur.

**Rekha Jain.** Monograph Published an article 'Uttar Pradesh', in *Rang Prasang* (quarterly Hindi magazine of NSD).

**Sharma, A.P.** 'Panchave Dashak Ki Nayee Rangchetana', in *Hindi Natak: Nayee Parakh*, (ed.) Ramesh Gautam.

**Mohan, V.** Presented paper 'Representation of Racial Discrimination in Hindi Literature (1875-1900)' in a UGC Sponsored Seminar.

**Dahiya, S. 2009.** 'Real vs Reel: Manipulations and Bias in News', *Indian Journal of Social Enquiry*, Vol. 1(2), June 2009, (ISSN 0974-9012).

'Zee: A case study', *Journal of Indian Management and Strategy*, July-September 2009, (ISSN 0973-9335).

'Managing Media: A case Study of BCCL', *Mass Communicator*, July-September 2009, (ISSN: 0973-9688).

'Changing Management Practices in Media', *Effulgence*, January-June 2010, (ISSN-0972-8058).

**Kumar, R.** 'Dimensions of Indian Federalism', in *Contemporary India*, (eds) Chandhoke, N. and Priyadarshi, P.

# DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH

## Major Activities

During this period, DIPSAR has successfully organized various scientific conferences such as Recent Advances in Cardiovascular Sciences, IV National Workshop on 'Developing Quality Monographs for Pharmacopoeia for Herbs and Herbal Products', National Seminar on 'Recent Developments in Structure and Ligand Based Drug Design' and International Symposium on 'Recent Advances in Pharmacotherapy of Cardiovascular Diseases'.

Many new sophisticated instruments were bought to aid our research scholars like rotary evaporator, cooling centrifuge, homogenizer, electroconvulsimeter, etc.

## Ph.D. Degrees awarded

Ph.D. - 4

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Role of herbal drugs in diabetic retinopathy.	Prof. B.P. Srinivasan	AICTE
MODROB.	Prof. B.P. Srinivasan	AICTE
<i>In vitro</i> and <i>in vivo</i> evaluation of anticancer and anti angiogenic activity of some potential compounds from Indian medicinal plants.	Dr. Rajani Mathur & Prof. S.S Agrawal	AICTE
Tuberculosis chemotherapy: Novel drug delivery approach using bioadhesive microspheres.	Meenakshi Chauhan & Prof. S.S. Agrawal	AICTE
Studies on synthesis of spermicidal agents.	Dr. Monica Gupta & Prof. S.S. Agrawal	AICTE
Evaluation of anticancer activity of certain herbal drugs.	Prof. S.S. Agrawal	CSIR
Development of drugs for the medicinal therapy of glaucoma and cataract from natural products.	Dr. S.K. Gupta & Prof. S.S. Agrawal	DST
Development of drugs for the medicinal therapy of diabetic retinopathy using natural products.	Prof. S.S. Agrawal & Dr. S.K. Gupta	DST

Regulatory ocular toxicity studies on herbal antiglaucoma formulations.	Prof. S.S. Agrawal & Dr. S.K. Gupta	DST
Investigation of new pharmacological interventions for diabetic nephropathy in experimentally induced NIDDM in rats.	Prof. B.P. Srinivasan	UGC
Development of a novel pharmacological approach to the treatment of obesity and related metabolic disorders.	Dr. Rajani Mathur & Prof. S.S. Agrawal	UGC
Development of a process for preparation of a stable, ready to use infusion formulation of Voriconazole.	Dr. Sarika Madan & Prof. S.S. Agrawal	UGC

### **Appointment of faculty members to higher Posts/Assignments**

**Dr. P.K. Sahoo:** Director, A.I.C.T.E.

### **Honours/Distinctions**

**Dr. S.S. Agrawal:** Awarded 2010 'Distinguished Service Award' by IACS Canada.

Honorary Foreign Fellow by Romanian Academy of Medical Sciences.

Fellow of International Academy of Cardiovascular Sciences, Canada.

### **Seminars/Conferences attended**

**Dr. Rajani Mathur:** VIII International Symposium on 'Targeted Anti-cancer Therapies' at Bethesda, USA, 4-6 March 2010.

All DIPSAR Faculty International Symposium on 'Recent Advances in Pharmacotherapy of Cardiovascular Diseases' at DIPSAR, New Delhi, 16 December 2009.

All DIPSAR Faculty IV Global Conference on Recent Advances in Cardiovascular Sciences at Delhi Institute of Pharmaceutical Sciences & Research, New Delhi, 3-4 February 2010.

**Dr. S.K. Gupta:** International Symposium on 'Clinical Trials & Biostatistics', sponsored by Ministry of Science & Technology, India Habitat Centre, New Delhi, 14 January 2010.

**Dr. Rajani Mathur:** International Symposium on 'India-An Emerging Destination for Clinical Trials' at IHC, New Delhi, 14 January 2010.

All DIPSAR Faculty National Seminar on 'Recent Developments in Structure and Ligand Based Drug Design' at DIPSAR, New Delhi, 1 December 2009.



**Dr. S.S. Agrawal:** Co-chairman, Indian Pharmaceutical Association Convention; Co-chairman, LX IPC-Delhi, 2009.

All DIPSAR Faculty National Workshop on 'Developing Quality Monographs for Pharmacopoeia for Herbs and Herbal products' at DIPSAR, New Delhi, 27--28 November 2009.

**Dr. B.P. Srinivasan:** XLII IPS, Swabhumi, Kolkatta, December 2009.

**Dr. S.K. Gupta:** DIA's IV Annual Conference at Hotel Sheraton, New Delhi, 15--18 November 2009.

**Dr. S.R. Wakode:** Seminar on 'Rediuning Pharmacy education' organized by IPGA at FICCI Auditorium, New Delhi, 9 September 2009.

Attended a Science conclave at New Delhi, 27 August 2009.

**Dr. Rajani Mathur:** CPCSEA National Conference 2010, IHC, New Delhi, 15 January 2010.

Symposium on 'Contemporary Technologies & Concepts Revolutionizing Drug Discovery Strategies' & 2nd Hands-on-Workshop on 'Bioanalytical Techniques in PK-Studies: From method development to data interpretation' at AIIMS, New Delhi, 3-5 February 2010.

**Dr. Monica Gupta, Dr. Rajani Mathur and Dr. Meenakshi Chauhan:** Life Sciences Conclave 2009, 'India: The Emerging Life Science Global Destination', Hotel Taj Mahal, New Delhi, 27-28 August 2009.

**Dr. Meenakshi Chauhan and Dr. Monica Gupta:** National Workshop on 'V-Life MDS Software on Drug Design and QSAR studies by V-life Sciences' at DIPSAR, New Delhi, 2 December 2009.

## **Publications**

### **Books**

**Aggrawal, A.K. and Majumdar, D.K. 2010.** 'Pharmacokinetics and drug interaction of Glycyrrhizin/Glycyrrhiza', In *Comp. Bio. Nat. Pro. Vol.2; Efficacy Safety and Clinical evaluation* (I); Studium Press.

**Parle, A.** *Viva voce in Organic and Pharmaceutical Chemistry.*

### **Research Articles**

**Sharma, A.K. and Srinivasan, B.P. 2009.** 'Triple verses glimepiride plus metformin therapy on cardiovascular risk biomarkers and diabetic cardiomyopathy in insulin resistance type 2 diabetes mellitus rats'. *European Journal of Pharmaceutical Sciences*, 38(5): 433-44.

**Kirana, H. and Srinivasan, B.P. 2009.** 'Aqueous extract of *ûcus riligiosa* reduces oxidative stress in experimentally induced type 2 diabetes rat'. *Indian Journal of Experimental Biology*, 47: 822-26.

- Agrawal, S.S. and Jose, M.A. 2009.** 'Anti-implantation activity of H2 receptor blockers and miloxicam, a cox-inhibitor, in albino wistar rats'. *The European Journal of Contraception and Reproductive Health Care*, 14(14): 444-50.
- Agrawal, S.S., Minu, M., Anand, T., Wakode, S.R. and Narsimhan, B. 2009.** 'Synthesis, antimicrobial activity and QSAR studies of new 2,3-disubstituted -3,3a,4,5,6,7 hexahydro-2H -indazoles'. *Bioorganic and Medicinal Chemistry Letters*, 9(11): 2960-64.
- Agrawal, S.S. and Ittiyavirah, S.P. 2010.** 'Role of cytokines in anti-implantation activity of H2 receptor blockers in albino wistar rats', *Immunopharmacology and Immunotoxicology*, 32: 92-98.
- Kachroo, M. and Agrawal, S.S. 2010.** 'HPTLC method for estimation of isolated derivative in fractions of seeds of Ensete superbum'. *Journal of Chemical and Pharmaceutical Research*, 2(1): 155-61.
- Sharma, M., Gupta, S.K., Chaterjee, A., Gupta, V.B. and Sehgal, R. 2009.** 'Pharmacovigilance: Role and Importance in Pharmaceutical Industry'. *The Pharma Review*.
- Gupta, S.K. 2009.** 'The Current Regulatory Environment for Clinical Research in India', *Association of Clinical Research Professorial*, Vol. 23 Issue.
- Agrawal, S.S., Gupta, S.K., Kalaiselvan, Srivastava, S. and Saxena, R. 2009.** 'Potential of traditional food supplement, Soya bean, as a novel anti cataract agent'. *International Journal of Integrative Biology*, 3(1): 9.
- Agarwal, R., Gupta, S.K., Srivastava, S., Saxena, R. and Agrawal, S.S. 2009.** 'IOP lowering effects of topical application of Aegle marmelos fruit extract in experimental models of glaucoma'. *Ophthalmic Res*, 42: 112-16 (DOI: 10.1159/000226216).
- Agarwal, R., Gupta, S.K., Srivastava, S., Agarwal, P. and Agrawal, S.S. 2009.** 'Therapeutic potential of *Curcuma longa*, the golden spice of India, in drug discovery for ophthalmic diseases'. *Expert Opin. Drug Discovery*, 4(2): 147-58.
- Agarwal, R., Gupta, S.K., Agarwal, P., Saxena, R. and Agrawal, S.S.** 'Current concepts in pathophysiology of glaucoma'. *Indian Journal of Ophthalmology*, 57(4).
- Kaithwas, G. and Majumdar, D.K. 2010.** 'Therapeutic effect of Linum usitatissimum (û axseed/linseed) ûxed oil on acute and chronic arthritic models in albino rats'. *Inû ammopharmacology*. Feb 16. [Epub ahead of print] PMID: 20157785.
- Paliwal, S.K., Chauhan, R., Sharma, V., Majumdar, D.K. and Paliwal, S. 2009.** 'Entrapment of ketorolac tromethamine in polymeric vehicle for controlled drug delivery'. *Indian J. Pharm. Sci.*, 71(6): 687--91.
- Pal, K., Banthia, A.K. and Majumdar, D.K. 2009.** 'Polymeric Hydrogel: Characterization and Biomedical Applications Designed Monomers and Polymers', Vol. 12(3): 197-220.

- Ahuja, M., Dhake, A.S., Sharma, S.K. and Majumdar, D.K. 2009.** 'Stability studies on aqueous and oily ophthalmic solutions of diclofenac'. *Yakugaku Zasshi*. 129(4): 495--502.
- Sharma, S.K., Chauhan, M., Anil Kumar, N. 2009,** 'Span-60 niosomal oral suspension of Fluconazole: Formulation and *in vitro* evaluation', *Journal of Pharmaceutical Research and Health Care*, 1(2): 142-56.
- Negi, L.M., Garg, A.K. and Chauhan, M. 2009.** 'Ultradeformable vesicles: concept and execution', *Pharma Times*, 41(9): 11-14.
- Anilkumar, N., Chauhan, M.K. and Agrawal, S.S. 2009.** 'Product optimization of eudragit coated pantoprazole sodiumsesquihydrate – low methoxy pectin gel beads using 32 factorial design', *Indian Journal of Pharmaceutical Sciences*, PP071, 71(2): 188.
- Negi, L.M. and Chauhan, M.K. 2009.** 'Surfactant concentration: effect on particle size and polydispersity index of ultradeformable vesicles', *Indian Journal of Pharmaceutical Sciences*, PP033, 71(2): 173.
- Mathur, R. and Velpandian, T. 2009.** 'Medicinal Plant Based Health Products-Where is the Medicinal Constituent?' *Indian J. Pharmacol*, 41(4): 205-6.
- Mathur, R. and Gupta, S.K. 2009.** 'Pharmacovigilance of Herbal Drugs'. In: *Essentials of Pharmacovigilance* (1st edn), (Ed.) Gupta, S.K. Institute of Clinical Research, India, pp. 201-18.
- Mathur, R. 2009.** 'Pharmacogenetics and Pharmacovigilance'. In: *Essentials of Pharmacovigilance* (1st edn), (Ed.) Gupta, S.K. Institute of Clinical Research, India, pp. 229-36.
- Keservani, R.K., Kesharwani, R.K., Vyas, N., Jain, S., Raghuvanshi, R. and Sharma, A.K. 2010.** 'Nutraceutical and Functional Food as Future Food: A Review'. *Der Pharmacia Lettre*. 2(1): 106-16.
- Patil, P., Sharma, A.K., Dadarwal, S.C. and Sharma, V.K. 2009.** 'Development of Solid Lipid Nanoparticles of Lamivudine for Brain Targeting'. *International Journal of Drug Delivery Technology*, 1(1): 36--38.
- Madan, S. and Madan, S. 2009.** 'Vitamin C Scarcity in India – Reasons and Impact: A Review of the current scenario'. *Current Science*, 96(6): 25.

## DESHBANDHU COLLEGE

### Library Development

Total Budget	:	₹ 5 lakhs
Books added	:	1300
Journals subscribed	:	70 (subscribed and gifted)

### **Seminars/Conference held**

National Symposium on 'Current Trends in Genomics & Proteomics' was organized by the Department of Biochemistry on 4-5 February 2010.

The Botanical Society organized a lecture by Professor J.P. Khurana, Department of Plant Molecular Biology, South Campus, Delhi University, entitled 'Genes Controlling Flowering in *Arabidopsis* and Rice', 1 September 2009.

### **Seminars/Conferences attended**

**Dr. Partha Goswami:** Participated in International Conference on Magnetism at Karlsruhe, Germany, 26-31 July 2009.

**Dr. Subhasini Barik:** Participated in an International Conference on Understanding Schopenhauer through the prism of Indian culture, organized by IDSS at Jawaharlal Nehru University, New Delhi, 4-5 March 2010.

**Ms. Kalpana Kirty:** Participated in the International Congress of Bengal Studies 2010 organized by the Department of Modern Indian Language and Literary Studies, Delhi University, 16 March-4 April 2009.

**Shalender Singh Chauhan:** Participated in International Conference on Academic Libraries, organized by Delhi University Library System, Delhi University, 5-8 October 2009.

Participated in International Conference on Digital Libraries organized by TERI, India, 23-26 February 2010.

**Dr. Brijesh Kumar:** Participated in International Conference on Recent Advances in Environmental Protection, Agra, UP, 17-19 December 2009.

**Dr. Subhasini Barik:** Presented a paper 'Philosophy Day Concern' in the National Symposium on 'The State of study, research and teaching Philosophy in India' by Indian Council of Philosophical Research at K.J. Somaiya Institute, Vidya Vihar, Mumbai, 23-25 October 2009.

**Tejpratap Kushwaha:** Presented a paper, 'Vedo mein Alankar' at an International Conference, World Vedic Conference, organized by Gurukul Kangari Vishwavidyalaya, Haridwar, 20-22 November 2009.

Presented a paper 'Harshdev Madhav ki Rachna-Samiksha' at an International Conference on Sanskrit Sahitya organized by Banaras Hindu University, 8-10 February 2010.

**Dr. Meenakshi Prajneshu:** Presented a paper 'IPR issues in Algal Research' in the VII Asia-Pacific Conference on Algal Biotechnology at Delhi University, 1-4 December 2009.

**Dr. Bela Bhatia:** Presented a poster 'Seaweed polysaccharides-Medical and Biotechnological Applications' in the VII Asia-Pacific Conference on Algal Biotechnology, Delhi University, 1-4 December 2009.

## **Publications**

**Barua, A. (ed).** 2010. *Gandhi and Grant: Their Philosophical Affinities*. New Delhi: Academic Excellence.

**Choudhary, P.K.** 2010. *Rama with an Axe*. New Delhi: Akaar Books.

**Pant, G.C.** 2010. *Sabdartha Bodh Evam Samketagrah Siddhant*. New Delhi: Vidhyanidhi Prakashan.

## **DESHBANDHU COLLEGE (EVENING)**

### **Major Activities**

The NSS unit of the college organized a blood donation camp in the College in association with Rotary International. NSS volunteers participated in a peace march at Rajghat. Volunteers have also taken part in various monument cleaning camps, Pre-Republic Day camp and AIDS day campaign and workshops.

The Eco-Cub constantly sought to maintain a green environment and an eco--friendly atmosphere in the College. Members joined the Human Chain and Musical show in the Yamuna Cleaning Plan - II initiated by CMS Environment and Bhagidar of the Delhi Government.

Scholarships have been awarded to meritorious students. Under the Academic Incentive schemes, students who have secured 55% and above were provided textbooks.

The annual cultural festival - JOSH- was organized on the 24-25 February 2010. Our theatre group, JAZBA has performed in almost all the colleges of DU and won several prizes for the College.

The Annual Athletic meet was held on 19 February 2010. The Weight-Lifting team was declared 'University Chamion', which represented Delhi University in the All-India Weight-Lifting Championship at Amritsar.

A discussion on 'Hind Swaraj as a Critique of Modern Civilization' was organized on the eve of the centenary celebration of Gandhiji's Hind Swaraj in November. The panelists included Prof. N. Radhakrishnan, winner of the Rajiv Gandhi Sadbhawana Award and Shri Oscar Fernandes, Former Union Minister.

The College Placement Cell enrolled a number of students. A lecture on 'Personality Development' was organized by IIPM. Genpact and ITC were among the noted companies which visited our campus. A total of 19 students were placed.

The College has become the first college in India to sign an MoU with the Association of International Accountants, which is a member of International Finances Services of London.

### **New Courses Introduced**

Three vocational subject were introduced in the B.A. Programme course:

Business Data Processing

Entrepreneurship and Small Business

French

### **Special Grant/Assistance/Projects**

**Awarded to the College** : ₹ 1.50 lakh for National Seminar by UGC.

### **Library Development**

Total Budget : ₹ 3,02,000.00

Books added : 1,077

Journals subscribed : 22

### **Seminars/Conferences held**

A National Seminar on 'Ethical Dimensions of Governance' was organized by the College at India International Centre on 15-16 February 2010 in Association with India International Centre. Ethics in governance, healthcare, environment, banking and law were discussed in the seminar.

### **Seminars/Conferences attended**

**Dr. Rajendra Prasad:** Presented a paper on 'Corporate Governance! Governance for the sake of Governance!' in a National Seminar on 'Corporate Laws: Contemporary Issues' organized by SBS College.

**Mr. Kanwal Jeet Singh, Mr. Mohinder Paul and Ms. Suchi Patti:** Attended a National Seminar on 'Contemporary Issues in Management' organized by SGTB Khalsa College and 'Corporate Laws: Contemporary Issues' organized by SBS College.

**Dr. Minakshi Lahkar:** Attended an International Seminar on 'Revisiting Kalidasa's Abhijnana Shakuntalam. Land, Love, Languages: Forms of Exchange in Ancient India' organized by Miranda House.

**Ms. Ravneet Kaur Grover:** Attended an International Conference on 'Framing Film: Cinema and the Visuals Arts' organized by University of Winchester, U.K., and 'Revisiting Kalidasa's Abhijnana Shakuntalam. Land, Love, Languages: Forms of Exchange in Ancient India' organized by Miranda House.

Attended a National Seminar on 'Lost and Found in Translation: Indian Writers, Translators, Texts and Contexts' organized by Rajdhani College.

**Dr. Abha Saxena:** Attended a National Conference on 'Bharat ka Badalta Paridrishya aur Hindi Sahitya ki Bhoomika' organized by PGDAV (Evening) college.

**Dr. Madhu Kaushik:** Attended a National Seminar on 'Jansanchar Madhyam Aur Hindi Bhasha' organized by Hansraj College.

'Havi Hota Bazar Aur Television Patrakarita ka Sankat' organized by PGDAV (Evening) College.

'Bharat ka Badalta Paridrishya aur Hindi Sahitya ki Bhoomika' organized by PGDAV (Evening) college.

**Dr. Nawab Singh:** Attended a National Seminar on 'Bharat Ka Badalta Paridrishya aur Hindi Sahitya ki Bhoomika' organized by PGDAV (Evening) college.

**Mr. Ajay Kumar:** Attended an National Seminar on 'India-Africa Co-operaton: Past, Present and Future'.

**Mr. Nazrul Islam Azmi:** Attended an International Conference on Academic Libraries organized by Delhi University.

## **Publications**

### *Articles*

**Aggarwal, S.P. 2010.** 'Behavioral Finance as Concept in India'.

**Ram, Moola, 2010.** 'Autobiographies and Question of Dalit Identity: A Thematic Study'.

**2010.** *Mulk Raj Anand's Untouchable: A Mirror of Dalit Life.* New Delhi: Bahri Publications.

**Saxena, A. 2010.** 'Hindi ki Sahayak Kriyauka Bhasha Vaigyanik Adhyan'.

**Mishra, T.K. 2010.** *Managing Stress behind the Mask.* Prayas Publication.

## **DYAL SINGH COLLEGE**

### **Major Activities**

The following infrastructure was added

(i) Fully functional auditorium, (ii) A disabled friendly lift, (iii) A synthetic basket ball court, (iv) 200 KV electric panel, (v) Security lights in the entire college campus and (vi) 7 prefabricated bamboo based classrooms.

The College organized a two tier ICT workshop on 'Capacity Building' in collaboration with ILL, Delhi University.

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Sushmita	B.Sc. (Hons.) Applied Zoology	I

## Special Grants/Assistance/Projects

UGC Merged Scheme under XI Plan (Allocated – ₹ 50.65 lakh)  
(Released – ₹ 23.93 lakh)

### Awarded to individual teacher

Dr. Naveen Gaur, Deptt. of Physics	UGC	₹ 4.59 Lakh
Ms. Neeta Tripathi, Deptt. of Commerce	ICSSR	₹ 1.57 Lakh

### Library Development

Total Budget	:	₹ 6,43,500.00
Books added	:	1,470
Journals subscribed	:	53

### New Additions

Dr. Jasleen Kaur - Botany	Dr. Amita Malik - Chemistry
Dr. Kalpa Mandal - Chemistry	Dr. Vijay Kumar Verma - Political Science
Dr. Amitabh Singh - Political Science	Dr. Amarjeet Prasad Singh - History
Mr. Viraj Kafle - English	Mr. R. Thirumoorthy - Commerce
Mrs. Swati Thakur - Geography	Ms. Jyoti Paul - Commerce
Ms. Neetu Bharti - Zoology	Mr. Kamal Nayan Choubey - Political Science
Ms. Kanika Bajaj - Commerce	Mrs. Kalawati Meena - Chemistry
Dr. Neeta Tripathi - Commerce	Mr. Keshav Kumar Saini - Chemistry
Mr. Nishant Kumar - Political Science	Dr. Priya Vart Arya - Zoology
Dr. Sadhna Srivasatava - Physics	Ms. Sonia Thakkar Vig - Commerce

### Honours/Distinctions

**Dr. Anita Goel:** Department of Computer Science was selected ILLL Fellow.

**Dr. Ravinder Singh:** Elected for Associateship of UGC, IUC, at IIAS, Shimla.

### Seminar/Conference held

**Dr. Sudhir Singh:** International Seminar presentations organized by IASA and Australia-Indian Council, NAPSIPAG, University of Malasia, and at UGC Centre for Southeast Asian Studies, Tirupati.

### Seminar/Conference attended

**Dr. Ranjana Saxena and Ms. Ritika:** Attended International Conference on Climate Change and Sustainable Management of Natural Resources.

**Dr. Anita Goel:** Attended Conference on Emerging Trends in Computer Science and Information Technology'.

**Dr. Aruna Chhikara:** Attended First World Congress on Cancer.

**Dr. Ranjana Saxena:** Attended Conference on Plant Protection in Agricultural through Ecofriendly Techniques and Traditional Farming Practices.



## DYAL SINGH COLLEGE (EVENING)

### Major Activities

#### Appointments of faculty members to higher posts/assignments

**Deepak Malhotra:** Appointed Member of Education Advisory Board, Govt. of NCT of Delhi.

Appointed Member of the Committee on College Education by UGC.

#### Honours/Distinctions

**Dr. Munni Chaudhary:** Awarded Ph.D. degree by JNU, New Delhi.

#### Seminars/Conferences held

The Academic Planning Committee organized a talk on 'Maulana Azad: Nationalist Reconstruction of Education in Sovereign India' on 11 November 2009.

The Department of English organized a two-day Literary Fest, 'Alphabetes' .

The Department of Punjabi organized an Inter College Punjabi Poetry Competition

The Department of Political Science organized a programme 'Manthan'. The programme included a Lecture an Inter-College Youth Parliament Competition, a seminar on the topic 'Remembering Dr. Ram Manhor Lohia'.

A National workshop on 'Information Literacy & Competency in UGC-INFONET E--Resources' was jointly organized by INFLIBNET and DLA in the College

The Forum for International and National Awareness organized an Inter-College Quiz Competition on General Awareness.

**Dr. Mani Bhushan:** 'Research Design', Lecture telecast live by EDUSAT, the education channel owned by UGC, January 2010.

'Identification of a Research Problem', Lecture telecast live by EDUSAT, the education channel owned by UGC, January 2010.

Presented a paper 'Politics in Higher Education Policy in India', at the National Seminar on Higher Education, organized by Jiwaji University, Gwalior, March 2010.

Chaired the concluding session of the National Seminar on 'Violence and Beyond', organized by Indian Social Institute, New Delhi in collaboration with UNESCO, February 2010.

Chaired a session of the National Seminar on 'Stages of Colonialism in India', organized by Deshbandu College, Delhi University, March 2010.

**Dr. Prakash Chand:** Presented a paper on 'Good Governance and Sixth Pay Commission Report' at a Seminar organized by the Department of Political Science, University of Delhi, 3--5 December 2009.

**Mr. Vineet Prakash:** Presented a paper on 'Concerns for Protection of Environment and Rights of Indigenous People' at a seminar organized by the Department of Political Science, University of Delhi, 3-5 December 2009.

Chaired a session of the Seminar on 'Indo-Korean Relations', organized by the Korea Foundation, at IIC, New Delhi, 23 February 2010.

**Ms. Sumita Puri:** Presented a paper on 'Problematizing Categories: A Case Study of Salman Khurshid's *Sons of Babur*' at a seminar organized by JNU, New Delhi, 8 February, 2010.

**Ms. Madhuri Chawla:** Editor and Contributor of Quarterly Magazine *Unmukta* published by the RWWCO, Rail Bhawan, New Delhi

**Ms. Bhawna Pandey:** Workshop on 'Developing Champions of ICT Capacity Building in DU'. Microsoft, ILLI, University of Delhi, Delhi, 17-28 August 2009.

**Mr. Jnanendra Narayan Singh:** Participated as a Coordinator of a National Workshop on 'Information Literacy and Competency in UGC-INFONET e-Resources', Delhi, 19 March 2010 at Dyal Singh Evening College.

Administration, Bangalore and University of Delhi, 24-26 December 2009.

System, University of Delhi, 5-8 October, 2009.

Department of Library and Information Science, University of Delhi, 6 August 2009.

**Dr. (Ms.) Abha Singh:** Presented paper at the International Workshop on Shakespeare's Art of Lying, organized by IAS, Shimla, 2009.

Presented a paper at the National Seminar organized by the Women's Studies and Development Centre, University of Delhi.

**Dr. Neeru Rana:** Presented a paper on 'Vishwa Bazaar Karan Ke Daur Mein Hindi' at a seminar organized by Guru Nanak Khalsa College, Kamal, 25 March, 2010.

Presented a paper on 'Vaishwik Stara Par Hindi Ka Bhavishya' at a seminar organized by Sanatan Dharm College, Ambala, 25 February 2010.

Presented a paper on 'Mahila Sashaktikarana Thatha Mahilaon Ke Virudha Hinsa' at a seminar organized by Dayanand Vedic PG College, Urai, 26-27 September 2009.

## **Publications**

**Narayanan, N.M. 2009.** *Godavarmavidvadyuvarajakrita Sriramacharitamahakavyasya Sameekshatmakamdhyanam*. Delhi: Jyoti Enterprises.

**Jagdeesan, U. 2009.** *Maanikkavasakapperuman (Lord Manikkavasaka)*, Two Volumes. Chennai.

**Aggarwal, N. (Co-Author) 2009.** *Hindi Bhasa Vividha Aayama*. Delhi: Satish Book Dept.

**Singh, S.K. (Co-Author) 2010.** *Management Accounting Theory and Practice*, 2nd revised edition. Delhi: Pinnacle.

**2009.** 'A Study of Interrelationship Between Primary Market and Secondary Market in India', in *Journal of ANMI* (Association of National Exchanges member of India Publications), New Delhi.

**Jagdeesan, U. 2009.** 'PillayarippotriyaAaludaiya pillaiyar' in *Tamilar Thiruneri*.

**Chaudhary, M. 2010.** 'Yamosh Hai Yani Gejababua' in *Anantar*. Praveshank Sheet.

**Chand, P. 2009.** 'Judicial Response to Environmental Problem in Delhi', *Indian Journal of Social Enquiry*, June 2009.

**Singh, J.N. (Co-author), 2009.** 'We Don't Subscribe Scholarly Journals, But Still We Get Electronic Journals In Economics Subscribed by DULS Made Available to Affiliated Colleges Through LAN' for 1st National Conference on Financial Management of Lics in e-Environment, organized by Delhi Library Association and Indian Agriculture Research Institute Library, New Delhi, 31 May.

**Dr. Priya Sharma. 2009,** *Fikke Dahbe*. Shimla: Himachal Kala Sanskriti Bhasha Acadmi.  
*Rone jo hai Sari Umar*. Shimla: Himachal Kala Sanskriti Bhasha Acadmi.

**2010.** 'Nau Re Bad Chhebbi', in *Smarika*, Himachal Kalyan Sabha, New Delhi, January 2010.

**2010.** 'Mare Ra Baccha', in *Smarika*, Himachal Kalyan Sabha, New Delhi, January 2010.

## GARGI COLLEGE

### Major Activities

Gargi College was one of two colleges of DU to be selected for the Star College Scheme award by the Department of Biotechnology, Ministry of Science and Technology. With another grant from the same department, a Bioinformatics Laboratory has been set up. Summer workshops were conducted in inter-disciplinary scientific experiments. Two students made presentations in major conferences: Prachi Jain on Chloroplast Genomes at a Conference organized by the National Bureau of Plant Genetic Resources and Amanpreet Kaur on Gene Expression Profile in Human Breast cancer at BIOEPOCH held at JNU. Two faculty members have proceeded for research work abroad: Dr. Poonam Sharma (Zoology) on Boyscast Fellowship to Liebe-cnrs, France, and Dr. Shweta Vandana (Botany) on DAAD Fellowship to University of Greifswald, Germany. Dr. Chandana Mukherjee, Dr. Indi Sidhwani and Dr. Sushmita Chaudhury, all from the Dept. of Chemistry, presented papers at the 13th Annual Green Chemistry and Engineering Conference at University of Maryland, USA.

## Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Jyoti Nagraj	B.Sc.(Hons.)Life Science	III
Arundhoti Das	B.Sc.(Hons.)Microbiology	I
Niharika Singh	B.Sc.(Hons.)Microbiology	II
Sudha Saryu Malhotra	B.Sc.(Hons.)Microbiology	II

## Special Grants/Assistance/Projects

### Awarded to the College

Min. of Science & Tech. Star College	:	₹ 35,00,000
OBC from Delhi University	:	₹ 6,64,00,000

### Library Development

Total Budget	:	₹ 9,92,500
Books added	:	2076
Journals subscribed	:	70

### New Additions

Mukesh Gautam - Political Science      Pemala Bhutia - Political Science

### Honours/Distinctions

**Dr. Gita Mathur and Dr. Sushmita Chowdhury:** Received Distinguished Teacher Award from Dr. A.P.J. Abdul Kalam, Former President of India.

**Dr. Shreeniwas Tyagi:** Awarded Ph.D. degree.

**Ms. Manisha Priyam:** Nominated by CMO, Delhi, as member of High Powered Committee to review the progress of Convergence of Social Sector Schemes.

**Dr. Shweta Vandana:** DAAD Fellowship for Post Doctoral Research, awarded by German Academic Exchange Service, Government of Germany.

**Dr. Poonam Sharma:** Selected for Overseas Fellowship BOYSCAST by the Department of Science and Technology to work in the field of Nanotoxicology at LIEBE-CNRS, France.

### Seminars/Conferences held

A two-day UGC sponsored National Seminar was held on the topic 'The Electronic Media: Impact on National and Cultural Identities'.

Inter-Sciences Seminar on 'New Frontiers of Biotechnology'.

### Seminars/Conferences attended

**Dr. Indu Sidhwani:** Attended an International Industrial Green Chemistry Workshop, Mumbai, 4-6 December 2009.

**Dr. Geeta Kichlu and Ms. Sheila Dubey:** Attended a UGC National Seminar on 'Corporate Laws: Contemporary Issues', organized by Shaheed Bhagat Singh College, Delhi University, 4-5 December 2009.

**Dr. Promila Kumar, Ms. Bhawna Kapoor, Ms. Bharati Talwar and Pooja Gupta:** Attended National Seminar on 'History of Mathematics' organized by Delhi University, 7-9 January 2010.

**Dr. Rekha Navneet, Dr. Deepika Chatterjee and Dr. Pallavi Vaid:** Attended an International Conference on Morality and Religious Experience by International Association for Religion.

## **Publications**

### ***Articles in Journals & Periodicals***

**Sidhwani, I.** Nickel Porphyrin, International Journal, Green Chemistry in Real World Practice.

**Bhatia, S.** 'Adolescence, Attachment and Loneliness', *Indian Association of Child & Adolescent Mental Health*.

**Sachdeva, N. 2009.** 'Analysis of the Viability of Umbilical Cord blood Stem Cells', *Journal of Stem Cells & Regenerative Medicine*; Vol. 15, November 2009.

### ***Communications to Symposia/Seminar/Conference***

**Attreyi, M.** 'Impact of Globalization on Migration via Consumerism', National Seminar, Department of Education, Delhi University.

**Chakravarty, R.** 'The Bengal Partition', International Conference on Postcolonial Translation, JNU & University of Newcastle.

**Anjana, D.** 'The Paradigm of Interdependence: Negotiating the Gendered Barriers and Breakdowns in Corporate Communication', Seminar on 'Globalisation and Cross- Cultural Communication', SRCC, Delhi University.

**Mohan A.** 'Effect of Physical Activity and Exercise on Body', National Seminar, Puri University.

## **HANS RAJ COLLEGE**

### **Major Activities**

Hans Raj College was established by the D.A.V. College Managing Committee in 1948 in the sacred memory of Mahatma Hans Raj. The college seeks inspiration from Mahatmaji's dedication and selfless service to education.

Hans Raj College, an institution of excellence, holds a place of eminence in Delhi University. A prestigious and progressive educational institution of India, Hans Raj College is one of the top ten colleges among the 12,600 Colleges of India and easily one of the most sought after colleges in Delhi University.

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ramanand Mishra	B.A. (Hons.) Sanskrit	II
Asheesh Kumar	B.A.(Hons.) Sanskrit	II
Avdesh Kumar	M.A. Sanskrit	III
Namita Khurana	B.A.(Hons.) Mathematics	III
Dimpy Jindal	B.Com.(Hons.)	II
Mehak Keshwani	B.Com.(Hons.)	III
Renu Puri	B.Sc.(Hons.) Botany	I
Sumit Bhardwaj	B.A.(Hons.) Hindi	II
Sunita Saini	B.A.(Hons.) Hindi	III
Bhavya Ahuja	B.Sc. Computer Science	II

### **Special Grants/Assistance/Projects**

#### **Awarded to the College**

OBC grant for building ₹ 10.5 crore.

Hostel Renovation ₹ 1.5 crore.

Renovation grant from University ₹ 2 crore.

#### **Library Development**

Total Budget	:	₹ 12,88050.00
Books added	:	2020
Journals subscribed	:	100

#### **New Additions**

Mr. Rajesh Kumar	-	Hindi
Mr. Avnish Kumar	-	Sanskrit
Mr. Justin Mathew	-	History

#### **Honours/Distinctions**

**Dr. V.K. Kawatra, Dr. Neelam Gandhi, Dr. M.S. Rawat, Dr. A.S. Kokrady, Mr. Sanjay Kumar and Dr. Krishan Sachdeva.** Received the Best Teacher Award from former President, Dr. A.P.J. Abdul Kalam.

### **Seminars/Conferences held**

A National Seminar on 'Constructions of the Self: Theories, Contexts, Practices' organized by English Literary Society, 9-11 February 2010.

A three-day UGC sponsored International Hindi Conference on 'Vishwa Shanti-Vividh Sandarbh' was organized by the Hindi Society.

### **Seminars/Conferences attended**

**Dr. Vandana Km. Singh and Kanchan Batra:** Attended National Symposium on 'Cell and Molecular Biology' at Shivaji College.

**Ms. Manisha Verma:** Participated in a workshop on 'International Financial Reporting Standards' organized by CPDHE.

**Dr. Amit Sehgal:** Attended the workshop 'Electra Work 2009' at ANDC College.

**Dr. Pradeep Kumar:** Attended a workshop 'ICT – Tier' organized by ILL.

**Dr. Mangal Nath:** VI Indo-Italian Conference on Chemistry and Biology of Antioxidants, Department of Chemistry, Delhi University.

## **HINDU COLLEGE**

### **Major Activities**

The College has several co-curricular and extra-curricular societies like special placement and counseling society, Disha. Apart from these was the successful MECCA, the much awaited College Annual Cultural Festival and last but not the least, Hindu College celebrated its 111<sup>th</sup> Founder's Day on 15th February, 2010 with renowned scientist Prof. Yash Pal Kapoor Ji, as the Chief Guest.

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Rishiraj Pathak	B.A. (Hons.) Physics	I
Piyooosh Jaiswal	B.Sc. (Hons.) Physics	I
Sushma Yadav	B.Sc. (Hons.) Chemistry	I
Navneet Kumar	B.Sc. APS	I
Vasavi Vishen	M.A. English	I
Amitesh Kumar	M.A. Hindi	I
Shewta	M.Sc. Physics	I
Anshika Agrawal	M.Sc. Zoology	I
Komal Goel	M.Sc. Statistics	I
Mohini Sharma	B.A. (Hons.) Music	II
Himanshu Tanwar	B.A. (Hons.) Physics	II

Dhruv Thakar	B.Sc. (Hons.) Chemistry	II
Sakshi Channa	B.Sc. (Hons.) Botany	II
Amaranikunj Upadhyay	B.Sc. (Hons.) Statistics	II
Annie Vicent	M.A. Political Science	II
Dharmender Pratap Singh	M.A. Hindi	II
Garima Jindal	M.Sc. Chemistry	II
Surbhi Manocha	M.Sc. Statistics	II
Sukrita Arya	B.A.(Hons.) Music	III
Pooja Sablok	B.Com.(Hons.)	III
Diana Norem	M.A. Political Science	III
Meera Sharma	M.A. Sanskrit	III
S. Shweta	M.Sc. Botany	III
Tulika Sharma	M.Sc. Zoology	III
Shruti Taneja	M.Sc. Statistics	III

### **Special Grants/Assistance/Projects**

#### **Awarded to the College**

Grant for Xth Plan (Balance)	₹ 1,68,292.00
Grant for XI Plan	₹ 19,76,000.00
Grant for OBC infra	₹ 5,51,00,000.00
Research grant	₹ 1,44,444.00

#### **Library Development**

Total Budget	:	₹ 6,57,250.00
Books added	:	1297
Journals subscribed	:	58

#### **Appointment of faculty member to higher Posts/Assignments**

**Ms. Anita Meena:** Joined Indian Revenue Service and Appointed Assistant Commissioner of Income Tax (P), National Academy of Direct Taxes, Chhindwara Road, Nagpur.

#### **Honours/Distinctions**

**Dr. Tapan Basu, Dr. Rameshwar Rai and Dr. Anju Srivastava:** Awarded the Distinguished Teacher Award by the University of Delhi on the occasion of Teacher's Day.

#### **Seminars/Conferences attended**

**Ms. Lovleen Gupta:** Presented a paper titled 'Conduct of Commercial Banking in India: A Study of Non-Performing Assets' at a National seminar held at Jaipuria Institute of Management, Noida, on 25 April 2009 and got best paper award. She also presented another paper titled 'Corporate Governance and Auditing Practices: A Paradigm Shift (Lessons from Satyam Fiasco)' at a National Seminar on 'Corporate Laws: Contemporary Issues' organized by Shaheed Bhagat Singh College, Delhi University, on 4-5 December 2009 which also won best paper award.



**Ms. Niti Bhutani:** Co-authored *The Afghanistan Investment Climate in 2008: Growth Despite Poor Governance, Weak Factor Markets and Lack of Innovations* with John 1. Speakman and Suhail Kassim of the World Bank. The team also presented its findings in Kabul to Stakeholders from the Afghan Government and to private sector donors, the UN, non-governmental organization and researchers.

**Dr. D. Monika Ram:** Attended the VII Asia--Pacific International Conference on Algal Biotechnology on 'Algal Biotechnology in the Asia-Pacific Region: New Challenges and Opportunities for the 21st Century' jointly organized by the Department of Botany, Delhi University, and the Indian Phycological Society, New Delhi, at Delhi University, 1-4 December 2009. She also attended the National Convention on 'Promotion of Value Education', organized by Sri Sathya Sai International Centre for Human Values, New Delhi, 12-13 December 2009.

**Dr. Reena Jain and Dr. Anju Srivastaava:** Presented a paper 'Promoting Green Chemistry Education through Short-Term Courses' at 13th Annual Green Chemistry and Engineering Conference ACS-GCI, College Park, Maryland, USA, 23-25 June 2009.

Presented a paper 'Green Chemistry Experiments' in Workshop on 'Green Chemistry in Real World Practices in Academics' organized by GCNC, Department of Chemistry, Delhi University, 9 May 2009.

**Dr. Reena Jain:** 'Greening of Chemistry Laboratory' presented in Workshop on 'Green Chemistry for Better Environment', LNMIIT, Jaipur, 25 April 2009.

**Dr. Anju Srivastava:** Presented a paper 'Green Chemistry Experiments' in Workshop on 'Green Chemistry Experiments in Real World Practices in Academics' organized by GCNC, Department of Chemistry, Delhi University, 9 May 2009.

Presented a paper 'Pollution Prevention: A Model addressed through Green Chemistry' in Workshop on 'Green Chemistry for Better Environment', LNMIIT, Jaipur, 25 April 2009.

**Dr. Anita Rajpal:** Presented a research paper 'Concept of Parapsychology in Indian Philosophy', International Sanskrit Conference, Jaipur, 18-20 July 2009.

'Max Maxims used as a Method of Teaching in Indian Philosophy', Akhila Bhartiya Darsana Parishad, Jammu, 6-8 November 2009.

'Shivsankalpasukta and Nyaya Vaiseshika Ka Manastattva', World Ved Conference, Haridwar, 20-22 November 2009.

'Facts of Pre Historical Period in Nyaya Vaiseshika', International Sanskrit Conference, Jaipur, 19-21 December 2009.

**Dr. Harinder Kumar:** Participated in the UGC National Seminar and Workshop on 'Integrating Multiple Technologies to Support Teaching and Learning' organized by the Department of Electronics, Maharaja Agrasen College, and Institute of Informatics and Communication, South Campus. He was also a member of the Local Organizing Committee of this National Seminar and Workshop.

**Dr. Harish Naval:** Chaired the National Literary Symposium on Hindi Satire organized by the Society of Indian Authors. He was the main speaker in Literary Seminars held at Bhopal, Nagpur and Chandigarh. Dr. Naval also visited Italy. He has been supervising an Italian Research Scholar, Ms. Viola of the University of Venice, who worked on Premchand as a Dramatist.

**M. Devasia:** Presented a research paper titled 'On Agape: The Ethical Challenge of Being a Christian' during the IASR National Conference on the theme 'Morality and Religion: Exploring their Relationship' at the Department of Philosophy, Delhi University.

**Dr. P.K. Sinha:** Attended the International Congress on Bioimmunoregulatory Mechanisms Associated with Reproductive Organs: Relevance in Fertility and Sexually Transmitted Infections at NII, Delhi. He also attended a two-day symposium on 'Biotechnology in Post Genomic Era' held at Venkateswara College in April 2009 and participated in a UGC Workshop on 'Quality Assurance through Blended Learning' at Maitreyi College, 19-21 January 2010.

**Dr. Soma, M. Ghorai:** Invited for a lecture on 'Role of steroids in innate immunity' in the National Symposium of Comparative Endocrinology at Mumbai, December 2009.

**Neetu:** Attended a Symposium on 'Biotechnology in Post Genomic Era' at Venkateswara College, 9-10 April 2009.

Participated in a Workshop for development of online quiz at the Institute of Life Long Learning in April 2009 and presented a poster of her work at the XXVIIIth Congress of the European Academy of Allergology and Clinical Immunology, (EAACI) held at Warsaw, Poland on 6-10 June 2009 and received the Junior Members and Affiliates (JMA) Award for Outstanding Poster presentation.

**A.V. Sharma:** Participated in workshop for development of online quiz at the Institute of Life Long Learning in April 2009.

### **Publications**

**Malik, S.B., Mitra, S.K. and Bhimashankaram, P. 2010.** *Matrix Partial Orders, A research monograph Shorted Operators and Applications* World Scientific. Hyderabad: Indian School of Business and University of Hyderabad.

**Kumar, P. Gupta, V. and Chaudhari, J.N.** 'Strongly Baer and Strongly Quasi-Baer Semirings and Generalisations' in *Asian European Journal of Mathematics*, 2(4) (200): 579-91.

**Saint, T.K. 2009.** *Witnessing Partition: Memory, History, Fiction*. New Delhi: Routledge.

**Basu, T.** Co-edited book *Globalisation in India: Contents and Discontents* was published by Pearson Education Limited. Dr. Suroopa Mukherjee co-edited book *Bhopal Survivor's Speak: Emergent Voices from the Social Movement* was published by the UK -based publisher, Wordpower. Finally, Flare, the creative writing competition, started under the aegis of Dr. Lalita Subbu, members and students of the Department as a glorious tradition.

**Singh, R.N. 2009.** 'Catalysts of Social Change: Adult Franchise and Education' in Chandoke, N. and Priyadarshi, P. (eds), *Contemporary India: Economy, Society, Politics*. Delhi: Pearson.

**Naval, H.** Published a book on screen play writing in Hindi. This year 20 of his articles were published in Literary Journals in India and abroad.

**Jain, M.C.** Published a book on Engineering Physics. Delhi: PHI Learning Pvt. Ltd.

**Devasia, M.** Research paper entitled 'Indian Hermeneutics and Philosophy of Language' in the edited book *Hermeneutics: Multicultural Perspectives*. His other article with the title 'Self and the Subaltern in the Advaitic Religious Language' appeared in the *Vidyajyoti Journal of Theological Reflection*.

**Nandan.** Previewed educational programmes for the Consortium For Educational Communication.

**Kapoor, S. 2010.** 'Testing Weak Form Efficiency For Indian Stock Market', *Finance India*.

**Kapoor, Sudhir (et.al.) 2009.** 'Categorizing Concepts for detecting drifts in Stream' presented at the 15th International Conference on Management of Data, International School of Information Management, Mysore, and published in COMAD 2009, Allied Publishers.

**Goswami, D. 2010.** An adaptation author for the Special Indian Edition (SIE) of the book entitled *Schaum's Outlines: Probability and Statistics, 3/e (SIE)*. New Delhi: Tata McGraw-Hill Private Limited.

**Aggarwal, P. 2009.** 'Bayes Prediction of the Regression Coefficient in a Finite Population using Balanced Loss Function', *Metron*, Vol. 67, Issue 1, (Co-author: Bansal, A.K.).

2010. 'Robustness of Bayes Prediction under Error-in-Variables Superpopulation Model', *Communications in Statistics, Theory and Methods*, Vol. 39, Issue 2. (Co-author: Bansal, A.K.).

## INDIRA GANDHI INSTITUTE OF PHYSICAL EDUCATION & SPORTS SCIENCES

### Major Activities

The academic session 2009-10 will be remembered for the large number of academic activities carried on in the Institute for curriculum design and developing semester system courses for both undergraduate and postgraduate courses and for holding two National Conferences, two workshops for practical training and two refresher courses for inservice teachers of physical education.

A very successful blood donation camp was organized with the help of the Red Cross Society, in which 107 units of blood were donated by students, teachers and non-teaching employees on 18 February 2010, while the total population of the Institute is only around 500.

### **Assignments Outside the Institution**

**Dr. Rakesh Gupta:** Appointed Deputy Director, General (Venue) of the Organizing Committee of the XIX Commonwealth Games 2010, Delhi.

**Dr. Dveinder K. Kansal:** Chief Guest at the Annual Sports Day of RAK College of Nursing, 19 February 2010.

### **Honours/Distinctions**

**Dr. Devinder Kumar Kansal:** Appointed Chairman of an International Conference's Scientific Session in October 2009.

Appointed Observer by the Association of Indian Universities at All India Intersarsity Korfball Championship organized at Kurukshetra University, Kurukshetra, in February 2010.

**Dr. (Mrs.) M.K. Singh:** Acted as Resource Person and Expert for UGC programmes and preparation of Play Cards for school children.

**Dr. J.P. Sharma:** Participated in 'National Yoga Week – 2010' which was organized by Morarji Desai National Institute of Yoga (Govt. of India).

**Dr. Anil Kumar Vanaik:** Appointed Observer, AIU at All India Intersarsity Handball Men and Women Championships organized by Punjabi University, Patiala, 3-6 February 2010.

**Dr. Pardeep Kumar:** Participated in National Workshop on 'Understanding Educational T.V. Programme: Problems and Perspectives' organized by the Consortium for Educational Communication, UGC subsidiary body, 17 December 2009.

**Dr. Dinesh P. Sharma:** Participated in Movana Open Half Marathan at Delhi and successfully completed the run.

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Richa Manral	B.Sc. (PEHE&S)	I
Ms. Anshikha Tandon	B.Sc. (PEHE&S)	II
Ms. Deepika Sharma	B.Sc. (PEHE&S)	III
Ms. Momita Barua	B.P.Ed.	I

(She received Sh. R.K. Khanna Memorial Gold Medal during D.U. Convocation on 20.3.2010)

Ms. Kavita Vats	B.P.Ed.	II
Ms. Roselin	B.P.Ed.	III
Ms. Garima Grover	M.P.Ed.	I

(She received Sh. Manohar Kapoor Mehtab Memorial Gold Medal during D.U. Convocation on 20.3.2010)

Ms. Renu Chaudhary	M.P.Ed.	II
Mr. Rohit Panwar	M.P.Ed.	III

### **Library Development**

The library has procured books worth ₹ 1,61,159 related to physical fitness, wellness, sports, sports-psychology and test & measurement. It has also subscribed to national and international journals in the field of sports and physical education worth ₹ 50,000. The library has introduced special membership to the research scholars of the Department of Physical Education and Sports Sciences registered for the Ph.D. degree.

### **Seminars/Conferences held**

A National Conference on 'Role of Physical Activity on Holistic Personality Development' was conducted on 12 March 2010.

### **Publications**

#### ***Books***

**Gupta, R. 2009.** *Sharirik Shiksha Mein Anushandhan Prakriya* (in Hindi). New Delhi: Friends Publication.

#### ***Research Articles***

**Bedi, M.M.S., Jain, R. and Vijay. 2010.** 'Refire and Rejoice: Pep Up your Life'. Paper Read at IV National Conference on Multidisciplinary Approach in Physical Education at Punjabi University, Patiala.

**Gulati, A. and Wasuja, M. 2010.** 'Importance of pH for Whole Body Health' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Kansal, D.K. 2009.** 'Proposal for Educational and Engineering Contrivances to expedite the Achievement of Millennium Development Goals 2015'. Proceedings of International Conference on Education and Information Technology, Oct. 2009. International Association of Engineers, University of California, San Francisco, USA, pp. 624-29.

**Makker, G. and Singh, A. 2010.** 'An Analytical Study of Changing Trends in Cricket from Test Cricket to T-20 Cricket' in Abstracts National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Meenakshi, Sharma, L., Tiwari, S. and Saraswati. 2010.** 'The Effect of Self-Paced Exercise on Self-Esteem of Delhi University Students' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Pramanik, T.N., Sharma, D.P. and Singh, A. 2010.** 'Effect of Yogic Practice on Selected Physiological Variables & BMI of College-going Students' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Sharma, D., Wasuja, M. and Gulati, A. 2010.** 'Dietary and Nutritional Profile of Wrestlers staying in Delhi' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Sharma, J.P. and Chaudhry, O. 2010.** 'Physical Activity and Health Promotion' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Singh, M.K. 2010.** 'Personality Development Through Sports Participation' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**2010.** 'Health Promotion Through Life Style Modification in the Changing World' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Singh, R. and Kumar, R. 2010.** 'A Study of Factors Affecting the Performance of Players' in Competition in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Singh, R. 2010.** 'Sociological Theories and its Applications in Sports Research: A discussion' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Tyagi, S. 2010.** 'Physiological Difference between Forward and Fullback National-Level Female Hockey Players' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

**Vijay. 2010.** 'Role of Physical Activity in Prevention and Treatment of Various Diseases' in Abstracts of National Conference on Role of Physical Activities on Holistic Personality Development, Delhi University, New Delhi.

## **INSTITUTE OF HOME ECONOMICS**

### **Major Activities**

A unique feature of the Institute is that it has introduced a series of innovative short-term courses of 80 to 100 credits, over the past few years. In the 2009-10 academic year, the following five courses were offered:

Certificate course in 'Quality Control and Food Safety' conducted by the Department of Food and Nutrition in collaboration with Quality Council of India in October 2009.

Certificate Course in 'Early Childhood Care and Education' was conducted by the Department of Human Development.

Certificate Course in 'AUTOCAD and Interior Designing' conducted by the Department of Resource Management.

Certificate Course in 'English Language Proficiency' conducted by the Department of Elementary Education and Department of English.

Certificate Course in 'Human Resource Management' conducted by the Department of Resource Management.

### **Ph.D. Degrees awarded**

Ph.D. - 2

### **Library Development**

Total Budget : ₹ 5,50,000.00  
Books added : 538  
Journals subscribed : 36

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Meenakshi Kumari	B.El.Ed.	I
Avneet Kaur Oberai	B.Sc. (Home Science)	I
Rachita Gupta	M.Sc. (F & N)	II
Manika Setia	M.Sc. (F & N)	III
Neha Ahluwalia	DDPHN	II

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Efficacy of beta carotene rich food supplementation among primary school children.	Dr. S.J. Passi	DRDO/DIPAS
Maternal factors and seasonal influences on the infant's birth weight, growth and development. A study among rural/urban poor in Delhi.	Dr. S.J. Passi	UGC
Gender specific impact of climate change poverty.	Dr. Savita Aggarwal Dr. Geeta Punhani	Ministry of Environment on Water and Forest

Developing effective communication strategies for enhancing adaptive capacity of urban poor women to climate change.	Dr. Savita Aggarwal	UGC
Developing effective communication strategies for enhancing adaptive capacity of urban poor women to climate change.	Dr Parveen Pannu	UGC
Creating awareness about lifestyle modification and prevention/ management of chronic degenerative diseases among elderly: Use of radio messages.	Dr. Seema Puri Dr. Parveen Pannu	DST
University-School Resource.	Dr. Anjila Gugnani	Sir Ratan Tata Trust, Mumbai Network (USRN)
Evaluation of chemical and microbiological quality of vermicompost prepared from different types of wastes using <i>Eisenia foetida</i> .	Dr. Arti Nigam Dr. Rachna Kapila	UGC
Marketplace reducing maternal stressors and improving nutrition practices during pregnancy to enhance birth weight and infant survival: Designing innovative Development intervention package.	Dr. Seema Puri Dr. Geeta Chopra	World Bank South Asia Regional
A guide to healthy eating in old age: Nutritional guidelines and model meals for lower income group elderly in Delhi NCR and 2008 - (2007-2009).	Dr. Seema Puri	DST
Towards inclusive early childhood education: Assessment and intervention in aganwadis in Delhi	Dr. Geeta Chopra	UGC



Classroom furniture dimension and student Anthropometric measure.	Dr. Renu Arora	UGC
Randomised controlled trial to evaluate the preventive effect on mortality and serious morbidity/hospitalizations of weekly vitamin D supplements in small for gestational age' term infants.	Dr. Geeta Trilok Kumar	DBT

### **New Additions**

Ms. Mamta Singhal,	Assistant Professor	Elementary Education
Mrs. Ruchira Das,	Assistant Professor	Elementary Education
Ms. Sharmila Rathee	Assistant Professor	Elementary Education
Ms. Neeti Vaid	Assistant Professor	CRM&E
Mrs. Bhavana Negi	Assistant Professor	Human Development
Ms. Renu	Assistant Professor	Human Development
Ms. Meghna Sharma	Assistant Professor	Resource Management
Ms. Rajni Chopra	Assistant Professor	Food & Nutritions
Ms. Deepshikha	Assistant Professor	Food & Nutrition
Dr. Amita Walia	Assistant Professor	Fabric & Apparel Science

### **Appointment of faculty members to higher Posts/Assignments**

**Dr. Renu Gulati:** Nominated Member of the Expert Committee for CARA dealing with international adoption under the auspices of Ministry of Women and Child Development.

**Dr. Geeta Chopra:** Expert on a committee of Ministry of Women and Child Development to review the Persons with Disability Act.

**Ms. Nidhi Gulati:** Co-Convener for developing four courses in Child Studies for DIET curriculum, SCERT.

### **Honours/Distinctions**

**Dr. S.J. Passi:** Appointed Consultant and Member, Task Force for the Mid-day Meal Programme in Delhi State.

National consultant for FAO for the Project entitled 'Meeting the nutritional needs of Women and Children in Himachal Pradesh', 2009.

Member of the XI Plan Evaluation Committee for Agra University; and visited the University in June 2009 and submitted the report to UGC.

A short film made by the Department of Communication and Extension, *The Changing Colours* on climate change in the year 2008-09, was awarded Aspirational Fellowship in a nationwide competition held by the British Council, UK Environmental Film Festival, 2009.

### **Seminars/Conferences held**

The Department of Microbiology organized a Symposium on 'Swine Flu', 27 October 2009.

The Department of Biochemistry organized a Symposium 'Biospark' with a focus on Tuberculosis on 14 December 2009.

The Communication and Extension Department organized 'COMSCAE', an academic event which included a Workshop on 'Effective Communication' and Lectures on 'Careers in Development Communication' and 'TRP Ratings on Television' in December 2009.

### **Seminars/Conferences attended**

**Dr. Geeta Trilok Kumar:** Invited speaker at the International Symposium on Protective Nutrients' organized by the Pediatric Biology Centre, Translational Health Sciences and Technology Institute, and Centre for Diarrheal Diseases and Nutrition, AIIMS, New Delhi, 23-24 February, 2010.

Invited to chair the session 'The Unfinished Agenda of Maternal and Child Health – Experiences of Researchers' at the conference organized by London School of Hygiene and Tropical Medicine and ICICI Centre for Child Health and Nutrition, Habitat Centre, New Delhi, 3-4 March 2010.

Presented a paper entitled 'Zinc and copper content in Indian cereals and pulses' at the Micronutrient Forum meeting, Beijing, China, 12-15 May 2009.

Presented a poster on 'Breastfeeding status of infants born to urban mothers from higher socio-economic strata' at the Nineteenth International Congress of Nutrition, Bangkok, Thailand, 4-10 October 2009.

**Dr. Savita Aggarwal, Ms. Jagriti Kher and Ms. Sakshi Saini:** Presented paper on 'Communication Strategies for Enhancing Adaptive Capacity of Women to Climate Change' at the XVIII Asian Media Information and Communication Centre Conference on Media, Democracy and Governance: Emerging paradigms in digital age', 13-16 July 2009.

**Dr. Praveen Pannu:** Presented paper on 'Reincarnation of Radio in India- Democratizing Communication: The Dynamics and Emerging Paradigms in a Digital Age' at the XVIII Asian Media Information and Communication Centre Conference on Media, Democracy and Governance: Emerging paradigms in digital age, 13-16 July 2009.

**Dr. Geeta Punhani and Miss Neeti Vaid:** Presented a paper on 'New Media: a tool for Democracy' at the XVIII AMIC-Asian Media Information and Communication Centre Conference on Media, Democracy and Governance: Emerging Paradigms in Digital Age, 13-16 July 2009.

**Ms. Yuki Azaad:** Presented a paper- 'M Governance for Development' at the XVIII AMIC-Asian Media Information and Communication Centre Conference on Media, Democracy and Governance: Emerging Paradigms in Digital Age, 13-16 July 2009.

**Dr. Parveen Pannu:** Presented a paper on 'Convergence of Media' at The Global Communication Association, Bangalore, November 2009.

Presented the Paper entitled 'Effect of Mobiles on the Socio Economic Life of Press Workers at ICTs and Development' an international workshop, Department of Humanities and Social Sciences, IIT, Delhi, 11-12 March 2010.

Presented a Paper titled 'Crusade against Female Foeticide: ICTs for achieving Gender Equality' at the National Seminar on 'Agency, Autonomy and Power: A Dialogue on Women and Body' organized by Women's Studies and Development Centre, New Delhi, 23-25 February 2010.

Paper titled 'ICTs for Development with Focus on Poverty Reduction' was accepted for presentation at the XXXIII Indian Social Science Congress, Dr. B.R. Ambedkar Open University, Hyderabad, 11-14 March 2010.

**Dr. Savita Aggarwal:** Attended a Workshop on 'Research Methods for Media Professionals' at Indian Institute of Mass Communication, New Delhi, 7-12 September 2009.

**Dr. Renu Gulati:** Presented a paper titled 'Sexuality among Adolescent Girls' at the VIII Biennial Conference of Asian Association of Social Psychology 2009, organized by the Asian Association of Social Psychology, IIT Delhi, 11-14 December 2009.

**Dr. Poonam Sachdev:** Attended the VIII Biennial Conference of Asian Association of Social Psychology 2009, organized by Asian Association of Social Psychology, IIT Delhi, 11-14 December 2009.

**Dr. Geeta Chopra:** Presented a paper titled 'Using a simplified tool for screening disabilities in poor resource community' at the IV International Conference on Birth Defects and Disabilities in Developing World, New Delhi, October 2009.

Chaired a session on 'Developing need based training', at a Workshop on 'Early learning and Intuitive Teaching', organized by Katha in Collaboration with NEUPA, September 2009.

Presented a paper titled 'Education of Children with Disabilities: Examining Policies and Programmes in India' at IASE Conference, Alicante, Spain, July 2009.

**Dr. Veenu Wadhwa:** Presented a paper titled 'Traditional toys and play materials of Rajasthan' at a Workshop on 'Early Learning and Intuitive Teaching' organized by Katha in collaboration with NEUPA, New Delhi, September 2009.

Presented a paper titled 'Manufacturers of traditional toys and play materials in Rajasthan: A study on continuity and change' at the VIII Biennial Conference of Asian Association of Social Psychology 2009, organized by Asian Association of Social Psychology, IIT Delhi, 11-14 December 2009.

**Ms. Bhavana Negi:** Presented a paper on 'Reflecting teaching' at 'Early Learning and Intuitive Teaching', a Workshop organized by Katha in collaboration with NEUPA in September 2009.

**Dr. Mila Tuli:** Presented a paper titled 'Elective Interdependence: Innovative strategies in the care of young children' at VIII Biennial Conference of the Asian Association of Social Psychology, IIT Delhi, 11-14 December 2009.

Jointly presented a Paper titled 'Context and Processes of Infant Development: What we do (and don't) know about babies!' at the Department of Social Sciences, IIT Delhi, May 2009.

**Dr. Anjila Gugnani:** Presented a paper on 'Inclusive Education' at JMI, 4 May 2009.

**Dr. Renu Arora and Ms. Meghna:** Presented a paper titled 'Deriving value from university and industry partnership' at the International Conference of Management Technology for Educational Practices 2009, Bangalore, 29-30 July 2009.

**Ms. Nidhi Gulati:** Attended a participatory Seminar organized jointly by HBCSE, Mumbai; VBS, Udaipur; Digantar, Jaipur; Eklavya, Bhopal; NIAS, Bangalore; and TISS, Mumbai to arrive at the content of courses for the PG Programme in Elementary Education, Jamia Millia Islamia, New Delhi, 23-25 January 2010.

Presented a paper on 'Resource Centers in Schools: The B.El.Ed. Experience' at a Seminar organized by TISS, Mumbai, at Bangalore, May 2009.

Participated and presented a paper titled 'Role and Influence of ERCs on the professional practice of teachers', at ISI Bangalore, 5-7 May 2009.

Co-presented a paper on 'Building Capacity: Perspectives on a course in academic writing in English' at the Seminar on 'Linking Universities and Schools: Towards Equity and Quality', at JNU, 30-31 October 2009.

**Ms. Mamta Singhal:** Attended a seminar on 'Climate Change' at Kamala Nehru College, 4 August 2009.

**Ms. Ruchira Das:** Presented a paper titled 'Schooling the Marginal: Formal Learning and the Santhals of Birbhum', at UGC-SAP National Conference on Education State and Globalisation: Issues and Challenges at the Department of Sociology, University of Hyderabad, 4-5 February 2010.

**Dr. Namita Saini:** Attended a Seminar on 'Holistic health and fitness' at Kamala Nehru College, Delhi University, December 2009.

Attended a National Conference on Role of Physical Activities on Holistic Personality Development at IGIPSS; March 2010.

**Dr. Arti Nigam and Dr. Rachna Kapila:** Jointly presented a paper titled 'Evaluation of Chemical and Microbiological Quality of Vermicompost Prepared from Different Types of Wastes using *Eisenia foetida*' at the 50th Annual Conference of Association of Microbiologists of India, in Pune, 2009.

**Dr. Ashima Vohra:** Attended a National Symposium on 'Current Trends in Genomics and Proteomics' organized by the Department of Biochemistry, Deshbandhu College, 4-5 February 2010.

**Dr. S.J. Passi:** Participated in a Workshop on 'Promoting indigenous peoples food system and nutrition security of women and children in Himachal Pradesh through Bio-technological interventions in traditional crops' in Shimla, Himachal Pradesh, 6-7 August 2009.

**Jointly with S. Khandelwal, K.S. Reddy et. al.** Presented a Poster titled 'Impact of plant sterols, fish oil omega-3s and their combination on blood glucose in Indian adults' at the IDF XX World Congress in Diabetes held in Montreal, 18-22 October 2009.

Jointly presented a paper titled 'Impact of omega-3 fatty acids and/or plant sterol supplementation on non-HDL cholesterol levels of dyslipidemic Indian adults', at Nutrition Society of India meeting at the National Institute of Nutrition, Hyderabad, 20-21 November 2009.

Participated in the 'Indo-US Joint Workshop to Explore Future Interactions between the Indian Agriculture and U.S. Higher Education Institutions', at the University of Agriculture Sciences, Bangalore, 9-10 June 2009.

Attended a Symposium on 'Nutrition and physical performance in school age children' organized by Nutrition Foundation of India at IIC, New Delhi, 10 July 2009.

**Dr. Seema Puri:** An invited speaker at 'Nutrition for Older Adults: Amalgamation of Tradition and Modernity', IFHE Leadership Summit, Munich, Germany, 5-9 February 2010.

Invited speaker at the 'Guidelines on Infant and Young Child Feeding and Management of Severe Acute Malnutrition for HIV Exposed children', Fourth Technical Resource Group meeting on Pediatric HIV Care, NACO, New Delhi, 15 January 2010.

Co-chaired a Session on 'Carbohydrates, Fibres, Fruits, Salads and Vegetables' at Consensus Conference on Indian Diets for Prevention of Obesity and Related Disorders, New Delhi, 5 April 2009.

Invited speaker at the 'Obesogenic Environment: An Indian Perspective', Seminar on 'Fitness: Holistic Health for Body and Mind', New Delhi, 18 December 2009.

Invited speaker at the 'Healthy Diet for Senior Citizens', Assistive Technologies for Health Care: IX National Conference of the All India Senior Citizens Confederation, Haridwar, 1 November 2009.

Participated in Round Table Discussion on 'Shifting Global Trends and Implications for Nutrition in India', GAIN, New Delhi, 2 July 2009.

**Ranjana Mahna, Seema Puri and Kumud Khanna:** Co-presented a paper titled 'Family acceptability trials of double fortified salt' at International Congress of Nutrition, Bangkok, Thailand, 4-9 October 2009.

**Neha Agarwal, Seema Puri, Raman Marwaha, et. al.** 'Obesity in Indian schoolgirls: Influence of changing diet and lifestyle', International Congress of Nutrition, Bangkok, Thailand, 4-9 October 2009.

**Durdana Husain, Kumud Khanna and Seema Puri:** 'Impact of soya isoflavone supplementation on post menopausal symptoms', International Congress of Nutrition, Bangkok, Thailand, 4-9 October 2009.

**Seema Puri, Sakshi Dhir and Namita Saini:** 'Bone health of sportswomen: Relation to diet and lifestyle', International Congress on Nutrition, Bangkok, Thailand, 4-9 October 2009.

**Neha Gupta and Seema Puri:** 'Maternal Influences on their daughter's eating behavior and body image perceptions', International Congress of Nutrition, Bangkok, Thailand, 4-9 October 2009.

**Ritu Jain, Seema Puri and Namita Saini:** 'Diet and nutrition profile of Delhi-based sportswomen participating in team games at state/national level', International Congress of Nutrition, Bangkok, Thailand, 4-9 October 2009.

**Ms. Shipra Gupta:** Jointly presented a paper titled 'Zinc and Copper Content in Indian Cereals and Pulses' at the 2nd International meeting of the Micronutrient Forum on 'Micronutrients, Health and Development: Evidence-Based Programmes', Beijing, China, May 2009.

**Ms. Shipra Gupta:** Appointed Rapporteur for a technical session at the Symposium on 'Nutrition Security for India – Issues and Way Forward' organized by Indian National Science Academy at INSA, New Delhi, 3-4 August 2009.

**Dr. Tejmeet Rekhi and Dr. Santosh Jain Passi:** Presented a paper titled 'Involving Women Based Self Help Groups in the Supplementary Feeding Programmes-An Intervention Study' at the XV Biennial International Conference of ARAHE held at Pune, December 2009.

**Dr. Santosh Jain Passi and Dr. Tejmeet Rekhi:** Presented a paper titled 'Mid-day Meal Programme in Government Schools of Delhi - A Study' at the XV Biennial International Conference of ARAHE, at Pune, December 2009.

**Dr. Rajni Chopra and Ms. Deepshikha Kataria:** Attended a Seminar on 'Meat and Poultry Processing' organized by Indian Institute of Crop Processing Technology, Thanjavur, and Ministry of Food Processing Industries, 4-5 November 2009.

## **Publications**

### ***Books***

**Passi, S.J. and Sabharwal, V. 2009.** 'HIV/AIDS and Nutrition in Adolescents'. In *HIV Infection and AIDS in adolescents*, (eds) Bhatia, M.S., Grover, V. and Gupta, R. Delhi: New Age International Publishers, pp. 173-91.

**Punhani, G., Aggarwal, S. and Bansal, S. 2009.** *Media for Effective Communication*. Delhi: Elite Publishers.

**Puri, S. and Khanna, K. 2009.** *A Guide to Healthy Eating in Old Age*. Institute of Home Economics and Department of Science and Technology (English and Hindi)

**Puri, S. and Anand, D.P. 2010.** 'Nutritional Care in Cancer'. In *Sahayata: A handbook for persons touched with cancer*. New Delhi: Cancer Patients Aid Association.

**Puri, S. 2010.** 'Food technologies for healthy diets for senior citizens'. In *Assistive Technologies for Healthcare*, (eds) Bhatia, S. and Sharma, V. Associated Book Service.

2009. 'Nutritional care of elderly'. In *Handbook of Elderly Care*, (ed) Sharma, O.P. New Delhi: Geriatric Society of India.

**Gupta, S. 2009.** 'Life Begins'. In *Adolescence Education Programme (AEP)*. New Delhi: UNFPA-MHRD, for developing life skills at secondary level.

**Rekhi, T. and Bhagat, A. 2009.** *Institutional Food Management: A Practical Manual*. Delhi: Delhi University.

**Gulati, R., Chopra, G., Wadhwa, V. and Gugnani, A. 2009.** *Child Development: A Practical Manual*. Delhi: Delhi University.

### **Research Articles**

**Yadav, R., Suri, M., Mathur, R. and Jain, S. 2009.** 'Effect of procainization of ventromedial nucleus of hypothalamus on feeding behaviour of rats'. *J. Clin. Biochem. Nutr.* 44: 247-52.

**Misra, A., Chowbey, P., Makkar, B.M., Vikram, N.K., Wasir, J.S., Chadha, D., Joshi, S.R., Sadikot, S., Gupta, R., Gulati, S., Munjal, Y.P., Puri, S. et. al. Consensus Group, 2009.** 'Consensus statement for diagnosis of obesity, abdominal obesity and the metabolic syndrome for Asian Indians and recommendations for physical activity, medical and surgical management'. *J. Assoc Physicians India*, Feb, 57: 163-70.

**Sharma, S., Puri, S., Agarwal, T. and Sharma, V. 2009.** 'Diets based on Ayurvedic Constitution: potential for weight management'. *Alternative Therapies in Health and Medicine*, Jan/Feb. 15(1): 44-47.

## **INDRAPRASTHA COLLEGE FOR WOMEN**

### **Major Activities**

Indraprastha College celebrated its 85th year in 2009 with the theme 'Inclusion'. The theme translated itself into a project for complete overhaul of the accessibility system of the College and intensive and pro-active measures to mainstream marginalized students, be they differently abled or from remote areas of the country, who are eliminated through perceptions of 'difference'. The College released its magazine in Braille and organized a two-day North East Festival. All learning facilities for the visually impaired, including software and hardware, were provided free of charge.

A substantial grant was obtained from the Ministry of Sports and Youth Affairs to upgrade and add to existing sports facilities in the form of a multi-facility international- level indoor gymnasium, shooting range, squash court and synthetic tennis and basket ball courts. The College has signed an MOU with International Award for Young People (IYPA). In its effort to complete the Liberal Arts curriculum, the College has applied for Honours Course in Sociology and Geography and is awaiting the University's decision in this regard.

### **Students Academic Distinction**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ritika Bhutani	M.A. Psychology	I
Sushma	M.A. Music	III
Zehra Kazmi	B.A. (Hons.) English	II
Meenakshi	B.A. (Hons.) Maths	I
Rupal Talwar	B.A. (Hons.) Psychology	I
Surbhi Kumar	B.A. (Hons.) Psychology	III
Suyasha Saha	B.A. (Hons.) Psychology	III
Deepali Bansal	B.A. (Hons.) Philosophy	II
Nancy Pathak	B.A. (Hons.) Political Science	II
Riya Chhabra	BMMMC	I
Ankita Dwivedi	BMMMC	II
Pallavi Batra	BMMMC	III
Deepti Duggal	B.Sc. Computer Science	III

### **Special Grants/Assistance/Projects**

Awarded to the College – ₹ 2 crore for special repairs under XI Plan

Awarded to individual teachers – ₹ 5,10,756 as T.A. for attending conferences.

### **Library Development**

Total Budget	:	₹ 11,20,000
Books added	:	1,372
Journals subscribed	:	82

### **Honours/Distinctions**

**Dr. Babli Moitra Saraf, Dr. Jyoti Trehan Sharma, Dr. Shubhra Seth, Dr. Harsh Bala Sharma, Dr. Neelima Luthra and Dr. Meena Bhargav:** Awarded 'Distinguished Teacher Award' by Delhi University.

### **Seminars/Conferences attended**

**Dr. Babli Moitra Saraf:** 'The Oral and the Aural: Translation as Cultural Practice', NIDA School of Translation Studies, Istituto San Pellegrino, Misano-Adriatico. Itali.

'Linguistic Engagements and Multilingualism: Changing Contours of Bangla', Benaras Hindu University.



'The Cultural Carnival of Medieval Bengal', Comparative Literature Association of India, Hyderabad.

**Manasvini M. Yogi:** 'Ethics in Higher Education', in Abstracts of Interdisciplinary International Conference (Las Vegas, USA), Clute Institute, USA.

'Middle Path: Aristotle and Buddhism', in Abstracts of V Annual International Conference of Philosophy, Athens Institute of Education and Research. Athens, Greece.

National Conference on Community Radio, Asian School of Media Studies, Noida.

**Jyoti Trehan Sharma:** 'The Power of Micro-Credit: Perspectives for Socio-Economic Change', VIII UWA Triennial Conference, Singapore.

**Debjani Sengupta:** 'From Dandakaranya to Marichjhapi: Rehabilitation, Representation and the Partition of Bengal (1947)', International Interdisciplinary Conference on 'The Anxiety of Belonging: Partitions, Reunifications, Modernity', Cardiff, UK, 15-17 July 2009.

'Tahader Katha: Partition and Kolkata's Postcolonial Landscape', International Workshop on 'Translation and Nation-building in South Asia, 1947-1977', JNU, New Delhi, 8-11 January 2009.

'Bastuharar Uponnyash: Sabitri Roy's *Bwadwip* and Shaktipada Rajguru's *Meghey Dhaka Tara*', International Congress of Bengal Studies, Delhi University, 25-28 February 2010.

**B. Manju, and R.K. Agrawal, 2009.** 'Decision Tree SVM Framework Using Ratio of Interclass and Intra-class Scatters'. *IICAI*.

**2009.** 'Evaluation of Decision Tree SVM Framework Using Different Statistical Measures'. In *Proceedings of International Conference on Advances in Recent Technologies in Communication and Computing*. Kerala.

**Mita Bose:** 'Visual Style of Mohsin Hamid's novels'. The Indian Association for Commonwealth Literature and Language Studies, Utkal University, Orissa.

**Poonam Trivedi:** 'Singing to Shakespeare', The Indian Association for Commonwealth Languages and Literatures Conference, 'Word, Image, Music in the Age of New Media: Postcolonial Readings', Utkal University, Orissa.

**Harsh Bala Sharma:** 'Natak Paath se Pardarshan tak', All India Seminar SAP (DRS), Hindi Department, Delhi University.

'Hindi Bhasha Aur Jansanchar Madhyam', All India National Seminar on 'Hindi Bhasha Aur Jansanchar', Hansraj College, UGC, Delhi University.

## **Publications**

### **Books**

**Malik, N. and Malik, J. (eds). 2010.** *Habib Tanvir: Reflections and Reminiscences*. New Delhi: Sahmat.

**Purohit, M.C. and Purohit, V.K. 2010.** *Non-tax Sources in India: Issues in Pricing and Delivery of Services*. New Delhi: Gayatri Publications.

**Manju, B. and Agrawal, R.K. 2010.** 'Kernel Parameter Selection for SVM Classification: AdaBoost Approach', Chapter 2. In *Pervasive Computing*. USA: IGI Global.

**Trivedi, P. and Minami, R. (eds). 2009.** *Re-playing Shakespeare in Asia*. New York: Routledge.

**Sharma, Harsh Bala. 2009.** *Samkaleen Hindi Natak Rachnatmak Ka Sajak Hastshape* (1st edn). Dehli: Shivlika Prakashan.

*Sanjhi Sanskartik Virasat Ke Aine mai Bhartiya Sahitya*. Delhi: Shivlika Prakashan.

### **Articles**

**Purohit, M.C. and Purohit, V.K. 2010.** 'Projections of Revenue from Introduction of GST in India: A Methodological and Empirical Note', Working Paper No. 1/2010, Foundation for Public Economics and Policy Research, New Delhi.

**Sengupta, D. 2010.** 'Leela Majumdar and Science Fiction in Bengal'. *Extrapolations*, 51:1, University of Texas at Brownsville and Texas Southmost College.

**2010.** 'The Tiktiki: Ruminations on the Lonesome Detective'. *Biblio*, XV: 3&4.

**Trivedi, P. 2010.** 'Mak[ing] ... Strange / Even to the disposition that I owe: Vishal Bharadwaj's *Maqbool*.' *Borrowers and Lenders: Journal of Shakespeare and Appropriation* 3:1 (May).

**Sharma, H.B. 2009.** 'Samkaleen Hindi Natako Mai Vyvstha Virodh Hindi Natak Nai Parkh', edited by Prof. Ramesh Gautam. New Delhi: Swaraj Prakashan.

## **INSTITUTE OF HUMAN BEHAVIOUR & ALLIED SCIENCES**

### **Major Activities**

The Tobacco Cessation Clinic team, District Mental Health Programme team and the Department of Psychiatry, IHBAS, has taken the initiative to celebrate the 'World No Tobacco Day' on the theme of 'Tobacco Health Warnings' in collaboration with Indian Medical Association (IMA, HQ) on 31 May 2009. IHBAS hosted Brain Awareness Week during 15-21 March 2010 on the theme 'Brain Mind Problems and their Solutions' with an aim to create awareness among the public regarding commonly prevailing brain-related disorders. In continuation of various programmes organized by the Institute of Human Behaviour and Allied Sciences during Brain Awareness Week, the Chief Minister of Delhi, Shrimati Sheila Dikshit, released the book *Brain Mind Problems and Their Solutions* at Vidhan Sabha in the august presence of Prof. Kiran Walia, Minister of Health and Family Welfare, Govt of NCT of Delhi. A poster exhibition about neurological and psychiatric disorders

was held at the OPD area of IHBAS. Patients and their relatives showed their interest in getting more information about the diagnosis and treatment process. Their queries were answered by a team of psychiatrists, psychologists and social workers. Community outreach services are being carried out as a part of the District Mental Health Programme in different districts of Delhi State. Currently community outreach services are extended to five districts of Delhi State, i.e. Chattarpur (South), Jahangirpuri (North-West), Dwarka (South-West), Timarpur (North) and Motinagar (West). IEC awareness activities are being carried out on a regular basis across the entire city to destigmatize mental illnesses and dispel myths about the same. Based on IHBAS experience with DMHP in Delhi and other inputs the 'Urban Mental Health Module' has been submitted to the Ministry of Health and Family Welfare for inclusion in the XI Five Year Plan of the National Mental Health Programme.

### **Special Grants/Assistance/Projects**

#### **Projects**

**Dr. Nimesh G. Desai:** Tobacco Cessation Clinics in India, Delhi centre sponsored by WHO.

ICMR Multisite Task Force Project on Suicide Behaviour, sponsored by Indian Council of Medical Research, Delhi.

ICMR Multisite Task Force Project on Urban Mental Health Problems and Service Needs, sponsored by Indian Council of Medical Research, Delhi.

A Multi-centre Study of Mental Health Morbidity and Psychosocial needs of Persons living with HIV/AIDS.

**Dr. Kiran Bala:** Children with Epilepsy: School Awareness Programme, funded by Indian Epilepsy Association.

**Dr. Sangeeta Sharma:** WHO sponsored study 'Factors affecting compliance in patients suffering from mental disorder'.

**Dr. Suman Kushwaha:** Development of pharmacogenomics SNP Database for critical candidate genes predicting treatment of dementia induced by Alzheimer's disease.- ICMR project.

#### **Library Development**

Total Budget	:	₹ 65 lakh
Total expenditure	:	₹ 65 Lakh
Books added	:	425
Journals subscribed	:	141

#### **New Additions**

Dr. Om Prakash	Dr. Pankaj Kumar
Dr. Manoj Kumar	Dr. Shubh Mohan Singh

### **Honours/Distinctions**

**Dr. Nimesh G. Desai:** Received Delhi State Award (2008–09) for meritorious services in the field of health care in Delhi.

**Dr. Om Prakash:** Received SAARC Young Psychiatrist Award at Annual Conference of the Indian Psychiatric Society, Jaipur, 17-20 January 2010.

**Dr. Suman Khushwaha:** Travelling Fellowship award by International Alzheimer's Association to attend the International Conference on Alzheimer's Disease at Vienna, Austria, 10-16 July 2009.

**Dr. Rima Kumari, Associate Professor of Radiology:** International travel grant from the Department of Science and Technology (DST), Govt. of India.

Fellowship from the Alzheimer's Association

### **Seminars/Conferences attended**

**Dr. Suman Kushwaha:** Alzheimer's Association International Conference on Prevention of Dementia, Vienna, Austria, 10-16 July 2009.

World Congress of Neurology, Bangkok, October 2009.

**Dr. Rima Kumari:** XIII International Congress of Parkinson's disease and movement disorders, Paris, France, 7-11 June 2009.

International Conference on Alzheimer's disease, Vienna, Austria, 11-16 July 2009.

XII Annual Conference of the Indian Society of Neuroradiology, SRMC and Apollo Hospital, Chennai, Tamil Nadu, 12-14 November 2009.

Korean Congress of Radiology, Seoul, South Korea, 27-29 November 2009.

**Dr. C.B. Tripathi:** International Conference of LVII Session of the International Statistical Institute organized by Statistics South Africa held at International Convention Centre, Durban, South Africa, 16-22 August 2009.

**Dr. Vibha Sharma:** 'Spiritually Oriented Psychotherapy: Its relevance and Efficacy', Poster presented at Division of Clinical Psychology Annual Conference 2009 of British Psychological Society, London, 10-11 December 2009.

**Dr. Ravinder Singh:** Attended the XVI World Congress of the International Union of Anthropological and Ethnological Sciences at Kunming, China, 27-31 July 2009.

**Dr. Deepak Kumar, Dr. Om Prakash, Dr. Vijender Singh and Dr. Manoj Kumar:** Participated in LXII Annual National Conference of the Indian Psychiatric Society, Jaipur, 17-20 January 2010.

**Dr. Kiran Bala:** Attended XVII National Conference of the Indian Academy of Neurology and Preconference Workshop at Cochin, 10-13 September 2009.

Attended Movement Disorder Education Programme at Ludhiana, 29 January-1 February 2010.

Attended XI Joint Annual Conference of Indian Epilepsy Association and Indian Epilepsy Society (ECON) 2010 at Indore, 6-7 February 2010.

**Dr. Vibhor Pardasani:** Attended European Neurological Society Symposium, Taj Coromandel, Chennai, 25-26 July 2009.

Attended Stroke Symposium organized by Indraprastha Apollo Hospital at India Habitat Centre, 17 June 2009.

Attended Third IES-AIIMS Epilepsy and EEG-Workshop at the All India Institute of Medical Sciences, New Delhi, 13-14 June 2009.

**Dr. Hardeep Singh Malhotra:** Attended IANCON 2009 at Kochi, 10-13 September 2009.

Attended V National Congress of Indian Stroke Association and International Stroke Conference at AIIMS, New Delhi, 12-15 March 2010.

**Dr. Tej Bahadur Singh:** National Annual Conference of Clinical Psychology and delivered Presidential speech, 'Clinical Psychology in the Changing World' at NIMHANS, Bangalore, February 2010.

**Dr. Vibha Sharma:** 'Yoga and Cognitive Behavioural Techniques to Empower Adolescent Students', Paper presented at X Biennial Conference of Indian Association for Child and Adolescent Mental Health, organized by the Department of Psychiatry, AIIMS, New Delhi, 23-25 November 2009.

Participated in CME on Pediatric Epilepsy, organized by the Department of Neurology, IHBAS, Delhi, 15 November 2009.

Attended the Workshop on 'Managing Negative Emotions.....' by Prof. Keith Dobson at British Psychological Society, London, 9 December 2009.

Resource person at Defence Institute of Psychological Research, DRDO, Delhi, in their Orientation Programme for Officers on Counselling and delivered a lecture on 'Identification of People at Risk', January 2010.

Resource person at XXXVI National Annual Conference of Indian Association of Clinical Psychologists at NIMHANS, Bangalore, 1-3 February 2010.

**Dr. Mukul Jain:** Attended Annual Conference of ISA- Delhi Chapter-2009 at New Delhi, 5-6 April 2009.

Attended VIII Annual Conference of Indian Society of Critical Care Medicine, Delhi, and NCR Chapter at New Delhi, 5-6 September 2009.

Attended RSACPCON-2009 at R&R Hospital, New Delhi, 9-11 October 2009.

Attended 1st Annual Conference of the Indian College of Anaesthesiologists at IARI, Pusa, New Delhi, 21-22 November 2009.

Attended ISACON-2010 at Chennai, 26-29 December 2009.

Attended CME- Neurocritical Care, 20 March 2010.

**Dr. Arvind Arya:** Attended Annual Conference of ISA- Delhi Chapter at New Delhi, 5-6 April 2009.

EORCAPS-2009, organized by Department of Anaesthesiology and Critical Care, UCMS and GTB Hospital, Delhi, 6 September 2009.

Attended RSACPCON-2009 at R&R Hospital, New Delhi, 9-11 October 2009.

Attended XI Annual Conference of ISNACC- 2010 at Kolkata, 29 January-1 February 2010.

**Dr. Sangeeta Sharma:** Participated as resource person in informal consultation on 'Better Medicines for Children in India', WHO SEARO, New Delhi, 2-3 February 2010.

Resource person in a National Workshop 'Towards a pharmaceutical policy in India in the changed perspective' organized by CDMU in collaboration with Health Action International - Asia Pacific, NCCDP, AIDAN and FMRA, at Kolkata, 19-20 February 2010.

Invited lecture on 'Ethical issues in research and informed consent' in a Capacity Building Workshop on 'Operational Research in HIV/AIDS' jointly organized by NACO and National Centre for Disease Control, Delhi, 24-28 November 2009.

Invited lecture on 'Medication Safety' in National Conference on Quality Management in Hospital Operations organized by Academy of Hospital Administration, 1 November 2009.

Presented a paper (oral presentation) titled 'Factors affecting compliance in patients suffering from mental disorders' at the International Conference on Integrative and Personalized Medicine and XLII Annual Conference of the Indian Pharmacological Society, organized by the Department of Pharmacology, Calcutta Medical College and National Research Institute of Ayurveda for Drug Development at Kolkata, 10-12 December 2009.

Resource person for 2nd round of Capacity Building Workshop for CMOs and Project Managers on 'Rational Use of Drugs and Procurement' organized by National Health System Resource Centre. Technical Support Group with National Rural Health Mission at Patna, 4 and 10 September 2009.

**Dr. Naveen Kumar:** Presented a paper (oral presentation) for Uppsala award titled 'Adverse drug events in patients with mental disorder in an ambulatory setting' at the IX Annual Conference of the Society of Pharmacovigilance India, organized by College of Pharmacy, Rajendra Institute of Technology & Sciences, Sirsa, Haryana, 21-22 November 2009.

Attended a WHO sponsored Seminar on 'Best Practices in Pharmacovigilance' organized by the Department of Pharmacology, AIIMS, New Delhi, 24-25 April 2009.

Attended the 9th Annual Conference of the Society of Pharmacovigilance, India, organized by College of Pharmacy, Rajendra Institute of Technology & Sciences, Sirsa, Haryana, 21-22 November 2009.

Attended the Symposium on 'Recent Advances in Cardiovascular Sciences' organized by Delhi Pharmaceutical Sciences Research University, 3-4 February 2010.

Attended the National Symposium on 'Epilepsy: Recent Advances in Drug Discovery and Treatment' organized by the Faculty of Pharmacy, Jamia Hamdard, New Delhi, 13 February 2010.

**Dr. Sujata Chaturvedi and Dr. Ishita Pant:** Attended International Pathology Update, PGIMER, Chandigarh, 19-21 February 2010.

Attended the inaugural Conference of Neuro Oncology Society of India, India Habitat Centre, New Delhi, 3 April 2009.

**Dr. A. Gupta, Dr. R. Sen, Dr. C. Batra, Dr. D. Banerjee and Dr. M. Jain:** Presented a poster 'Hemophagocytic Syndrome secondary to cytomegalovirus in an infant: A case report' in XXIV Annual Conference – Delhi Chapter, Indian Association of Pathologists and Microbiologists at UCMS, Delhi, 11 April 2009.

Cytocon 2009, XXXIX Annual Conference of Indian Academy of Cytologists at PGIMER, Chandigarh, 12-15 November 2009.

Golden jubilee Conference of Indian Society of Hematology and Transfusion Medicine at AIIMS, New Delhi, 20-22 November 2009.

Workshop on 'Stem cell therapy' at AIIMS, New Delhi, 19 November 2009.

**Dr. Neelam Chhillar:** Attended International Symposium on 'Molecular Pathology and Applied Genomics' organized by Super Religare Laboratories Ltd., India Habitat Centre, New Delhi, 6-7 November 2009.

Attended LXV Annual Conference of Association of Physicians of India, APICON 2010, Jaipur, 7-10 January 2010.

**Dr. Rachna Agarwal:** Attended International Symposium on 'Molecular Pathology and Applied Genomics' at India Habitat Centre, New Delhi, 6-7 November 2009.

Presented poster on 'Level of awareness among medical staff and patients on infection control measures in a tertiary care institute', ICHA Convention for Patient Safety at Chhatarpur Farms, New Delhi, 27-29 November 2009.

**Dr. Rima Kumari:** XII Annual Conference of the Indian Society of Neuroradiology at SRMC and Apollo Hospital, Chennai, Tamil Nadu, 12-14 November 2009.

## **Department of Biostatistics**

XXVII Annual National Conference of Indian Society for Medical Statistics (ISMS) on Statistical and Epidemiological Dimensions in Health and Medical Research organized by Division of Biostatistics, Department of Community Medicine, Institute of Medical Sciences, Banaras Hindu University, Varanasi, UP, 27-29 November 2009.

XXXI Annual Conference of Indian Society for the Study of Population (IASP) on Population and Disease Burden organized by the Department of Population Studies, Sri Venkateswara University, Tirupati, Andhra Pradesh, 3-5 November 2009.

**Dr. Ravinder Singh:** Attended the XVI World Congress of the International Union of Anthropological and Ethnological Sciences, Kunming, China, 27-31 July 2009.

## **Publications**

### **Books**

**Sharma, S., Agarwal, R. and Chaturvedi, S. (eds) 2009.** *Cost-effective Management of Medical Laboratory.* New Delhi: Viva Books.

**Gupta, P. and Ghai, O.P. (eds).** 'Mental Health and Substance Abuse' in *Textbook of Preventive and Social Medicine.* New Delhi: CBS Publishers.

### **Research Articles in Books or Scholarly Journals**

**Avasthi, A., Grover, S., Kaur, R., Prakash, O. and Kulhara, P. 2010.** 'Impact of Nonorganic Erectile Dysf on Spouses: A Study from India'. *J. Sex Med.* 2010 Jan 6. [Epub ahead of print].

**Henry, J., Jagannathan, A., Bhavana, K., Thomas, B., Bharath, S., Varghese, M., Jhirwal, O.P., Sivakumar, P.T. 2010.** 'Group intervention for carers of geriatric patients: experiences from a clinic in India'. *International Psychiatry.* 7(2): 30-32.

**Prakash, O., Kumar, C.N., Shivakumar, P.T., Bharath, S. and Varghese, M. 2009.** 'Clinical presentation of mania compared with depression: data from a geriatric clinic in India'. *Int Psychogeriatr.* Aug, 21(4): 764-67.

**Rao, N.P., Loganathan, S., Prakash, O. and Varghese, M. 2009.** 'Use of electroconvulsive therapy for schizophrenia with comorbid Marfan syndrome'. *J. ECT.* Dec, 25(4): 276-77.

**Loganathan, S., Manjunath, S., Jhirwal, O.P., Varghese, M. and Srinath, S. 2009.** 'Lithium prophylaxis in Kleine-Levin syndrome'. *J. Neuropsychiatry Clin Neurosci.* 21(1): 107-8.

**Bagepally, B.S. and Prakash, O. 2009.** 'Nonsignificant weight gain with atypical antipsychotics in men with Alzheimer's Disease: an important result of the CATIE-Alzheimer's disease study'. *Am J. Psychiatry.* Sep, 166(9): 1063-64.



- Prakash, O. and Rajkumar, R.P. 2009.** 'Anxiety Disorders in Late-life: A Clinical Overview'. *Indian Journal of Private Psychiatry*, special issue, 19-26.
- Prasad, K., Gupta, H., Bharath, S., Prakash, O., Sivakumar, P.T., Kumar, C.N. and Varghese, M. 2009.** 'Clinical practice with antimentia and antipsychotic drugs: Audit from a geriatric clinic in India'. *Indian J Psychiatry*. Oct-Dec, 51(4): 272-75.
- Prakash, O., Giri, O.P., Mishra, A.K., Kumar, S. and Kulhara, P. 2009.** 'Knowledge and attitude of Indian adolescents towards addiction: Findings from an exploratory survey'. *Journal of Mental Health & Human Behavior*, 14(2): 74-79.
- Desai, N.G., Prakash, O. and Singh, V. 2010.** 'Ageing and Mental Health in India: A wake up call'. *Helpage India-Research & Development Journal*; 16(1): 14-17.
- Singh, V., Kattimani, S. and Sagar, R. 2009.** 'Lithium Toxicity: Role of Hemodialysis'. *Journal of Mental Health and Human Behavior*; 14(2): 62-68.
- Grover, S., Bala, K., Sharma, S., M. Gourie-Devi, Baghel, R., Kaur, H., Gupta, M., Talwar, P. and Kukreti, R. 2010.** 'Absence of a general association between ABCB1 genetic variants and response to antiepileptic drugs in epilepsy patients'. *Biochimie*, Apr 24 [Epub ahead of print].
- Pradhan, S., Pardasani, V. and Ramteke, K. 2009.** 'Azithromycin-induced myasthenic crisis: Reversibility with calcium gluconate'. *Neurol India*. May-Jun, 57(3): 352-53.
- Pardasani, V. and Pradhan, S. 2009.** 'Finger Drop following a Potassium Drop'. *J. Assoc Physicians India*. May, 57: 419.
- Behari, M. and Pardasani, V.** 'Movement disorder emergencies'. In: *Emergencies in Neurology*, (ed.) M.B. Singh Bhatia.
- Malhotra, H.S. 2009.** 'Anchor Shaped Bright Posterior Column In A Patient With Vitamin B12 Deficiency Myelopathy'. *PMJ* 2009; 85: 186.
- 'Corticosteroids (dexamethasone versus intravenous methylprednisolone) in patients with tuberculous meningitis'. *Ann Trop Med Parasitol*; 103: 625-34.
- Sharma, S. 2009.** *Concept note on Promoting Rational Drug Use under NRHM*. New Delhi: World Health Organisation, Country Office for India, September 2009.
- Aggarwal, A., Singh, V., Batra, S., Faridi, MMA and Sharma, S. 2009.** 'Effect of carbamazepine therapy on serum lipids in children with partial epilepsy'. *Paediatric Neurology*, 40(2): 94-97.
- Aggarwal, R., Sharma, S., Kushwaha, S., Tripathi, C.B. 2009.** 'Hyperammonemia and hepatic status during valproate therapy'. *Indian J. Clinical Biochem*, 24: 366-69.

## **Abstracts**

**Sharma, S., Naveen, K., Chakraborti, S., Sinha, S., Kumari, S. and Jahanara, M.G. 2009.** 'Factors affecting compliance in patients suffering from mental disorders'. Presented at the International Conference on Integrative & Personalized Medicine and XLII Annual Conference of Indian Pharmacological Society, at Kolkata, 10-12 December 2009, *Indian Journal of Pharmacology* 2009, 41 (Suppl 1): S12 .

**Mukherjee, S., Sharma, S., Prakash, A. and Kumar, N. 2009.** 'To study relationship between serum carbamazepine concentration, dose and dose ratio in North Indian population in different age groups' presented at the International Conference on Integrative & Personalized Medicine and XLII Annual Conference of Indian Pharmacological Society held at Kolkata, 10-12 December 2009. *Indian Journal of Pharmacology*; 41 (Suppl 1): S50.

**Kumar, N., Chakraborti, S., Sinha, S., Kumari, S., Jahanara, M.G. and Sharma, S. 2009.** 'Adverse drug events in patients with mental disorder in an ambulatory setting'. Proceedings IX Annual Conference of Society of Pharmacovigilance India, 20-22 November 2009.

**Sharma, S., Kumar, N., Chakraborti, S., Sinha, S., Kumari, S. and Jehanara, M.G.** 'Factors affecting compliance in patients suffering from mental disorders'. Abstract book, *Indian Journal of Pharmacology*.

**Kumari, R., Guglani, B., Gupta, N. and Chaturvedi, S. 2009.** 'Intracranial epidermoid cyst: Magnetic resonance imaging features'. *Neurol India*. 57: 359-60.

**Gupta, A., Rattan, K.N., Gupta, A. and Banerjee, D. 2009.** 'Giant appendicular schwannoma in a child: a rare case report'. *Indian J. Pathol Microbiol*. 52: 281-82.

**Nanda, S., Gupta, A., Dora, A. and Gupta, A. 2009.** 'Acute Pancreatitis: a rare cause of acute abdomen in pregnancy'. *Arch Gynecol Obstet*. 279: 577-78.

**Gupta, A., Gupta, A., Gupta, S., Mittal, A., Chandra, P. and Gill, A.K. 2009.** 'Correlation of mycoplasma with unexplained infertility'. *Arch Gynecol Obstet*. 280: 981-85.

**Chhillar, N., Khurana, S., Agarwal, R. and Singh, N. 2010.** 'Effect of preanalytical errors on quality of Laboratory Medicine'. APICON 2010, Jaipur.

**2010.** 'Relation between serum "GT, fasting plasma glucose and lipids in a hospital based study'. IAPSM, 2010, Ranchi Institute of Medical Sciences, Ranchi.

**Agarwal, R., Sharma, S., Chhillar, N., Bala, K., Singh, N. and Tripathi, C.B. 2009.** 'Hyperammonaemia & Hepatic status during valproate Therapy'. *Ind J. Clin Biochem*, 24(4): 366-69.

**Jain, M.K., Venugopal, M. and Tripathi, C.B. 2010.** 'Use of Proseal LMA (PLMA) for Laparoscopic Cholecystectomies: an ABG analysis'. *Journal of Anesthesiology Clinical Pharmacology*, 26(1): 87-90.

- Singh, R. and Talwar, U.K. 2009.** Abstract of 'Dementia and Epilepsy: Family and Kinship care network analysis of who cares and how'? Published in the Panel on *Medical Pluralism, Sectors of Health Care and Health Seeking Behavior: Problems and Perspective in Critical Medical Anthropology* in XVI World Congress of the International Union of Anthropological & Ethnological Sciences (IUAES), organized at Kunming, China, 27-31 July 2009.
- Kumari, R., Raval, M. and Dung, A. 2010.** 'Cryptococcal choroid plexitis: Rare MR imaging findings of CNS cyptococcal infection in an immunocompetent individual'. *British Journal of Radiology*, 83:e14-17e.
- Chaturvedi, S., Gupta, S. and Kumari, R. 2009.** 'Meningioma with metastases from follicular carcinoma thyroid'. *Indian Journal of Pathology and Microbiology*, 53(2), April-June.
- Kumari, R., Guglani, B. and Gupta, N., et. al. 2009.** 'Intracranial epidermoid cyst: MR imaging features'. *Neurology India*, May-Jun 2009, 57(3): 359-60.
- Srivastava, S., Bhatia, M.S., Bhargava, S.K. and Kumari, R. et. al. 2009.** 'Newer trends in neuroimaging of depressive disorders'. *Delhi Psychiatry Journal*, Oct 2009; 12(2): 297-301.
- Dhingra, B., Mishra, D., Kumari, R., et. al. 2009.** 'Normal values of liver and spleen size by ultrasonography in Indian children'. *Indian Pediatrics*, Sep. 2009.
- Sardana, K., Kumari, R., Garg, V.K., et. al. 2009.** 'A prospective study of cutaneous markers of spinal dysraphism in Indian children'. *Pediatric Dermatology*.
- Raval, M. 2009.** 'Bilateral hypertrophic olivary degeneration: Case of the week' in *AJNR* 24 August 2009.
- Aldrin, D., Raval, M., et. al. 2009.** 'Knowledge, attitude and perception of caregivers in children with epilepsy'. *Delhi Psychiatry Journal*, 12: 274-75.
- Jain, M.K. 2009.** 'Late Onset Complete Flaccid Quadriplegia after Spinal Anesthesia with Bupivacaine'. *Indian J. Anaesth*, 53(2): 239-40.
- Arya, A., Gupta, P., Mukul Jain, M. and Kumar, D. 2009.** 'Evaluation the effect of different doses of Clonidine on haemodynamics and recovery profile in patients undergoing modified ECT' in ISA Delhi Chapter abstract book.
- Arya, A., Akbar, A., Jain, M. and Kumar, D. 2009.** 'Evaluation the role of Bispectral index in patients undergoing modified ECT' in ISA Delhi Chapter abstract book.
- Jain, M., Arya, A., Jha, D.K., Mehrotra, S. and Sharma, U. 2009.** 'Aggravated Spinal cord compression following Electroconvulsive therapy in a schizophrenic patient: A case report', in ISA Delhi Chapter abstract book.
- Ganguly, K.K., Chaddha, R.K. and Singh, T.B. 2010.** 'Cargiver burden and coping in schizizophrenia and Biopolar disorders: A qualitative study'. *American journal of Psychiatric Rehabilitation*, 13: 126-42.

- Malhotra, S., Rajender, G., Sharma, V. and Singh, T.B. 2009.** 'Efficacy of cognitive Retraining, Techniques in children with learning Disability'. *Delhi Psychiatry Journal* 12: 100-6.
- Ganguly, K.K., Chadda, R.K. and Singh, T.B. 2009.** 'A study of sericulture perspectives of care givers in burden coping behavior in biopolar and schizophrenia cases'. *The International Journal of Psychosocial Rehabilitation*, 13: 93-103.
- Srivastava, S., Chaddha, R.K. and Singh, T.B. 2010.** 'A comparative study of disability in long stay patients versus outpatients in a psychiatric Hospital'. *Delhi Psychiatry Journal*, 13: 49-52.
- Sharma, V., Srivastava, S., Malhotra, S., Singh, R. and Singh, T.B. 2010.** 'Yoga and cognitive Bheaviour techniques for academic stress and mental well among school students': *Delhi Psychiatry Journal*, 13: 75-78.
- Singh, T.B., Kaloiya, G.S., Kumar, S. and Chadda, R.K. 2010.** 'Rehabilitation needs assessment of severely mentally ill and effect of Intervention'. *Delhi Psychiatry Journal*, 13: 109-16.
- Malhotra, S., Bhatia, M.S., Rajender, G., Sharma, V. and Singh, T.B. 2009.** 'Current Update on Cognitive Retraining in Neuropsychiatric Disorders'. *Delhi Psychiatry Journal*, 12(2): 213-18.
- Malhotra, S., Rajender, G., Sharma, V., Singh, T.B. and Bhatia, M.S. 2009.** 'Neuro-Cognitive Functioning in Children with Learning Difficulties'. *Delhi Psychiatry Journal*, 12(2): 276-81.
- Malhotra, S., Sharma, V., Rajender, G., Singh, T.B. and Bhatia, M.S. 2009.** 'Efficacy of Cognitive Retraining Techniques for Enhancing Cognitive Skills and Academic Performance of Primary School Children'. *Indian Journal of Clinical Psychology*, 36(1): 76-82.
- Sharma, V., Shrivastava, S., Malhotra, S., Singh, R. and Singh, T.B. 2010.** 'Yoga and Cognitive Behaviour Techniques for Academic Stress and Mental Wellbeing among School Students'. *Delhi Psychiatry Journal*, 13(1): 75-78.
- Talwar, U.K., Sharma, V. and Singh, R. 2010.** 'Role of Yogic Exercises in Bipolar Affective Disorder and Schizophrenia'. *Delhi Psychiatry Journal*, 13(1): 117-22.
- Sharma, V. and Kumar, V. 2010.** 'Counselling for Alcohol and Substance Abuse Disorders'. In Kumar, U., Mishra, N. and Prakash, V. (eds), *Counselling: A Practical Approach*. Delhi: Defence Institute of Psychological Research (DIPR).

## JANKI DEVI MEMORIAL COLLEGE

### Major Activities

The College celebrated its 51st Founder's Day on 12 August 2009. The occasion was graced by the Hon'ble Lieutenant Governor of Delhi and by Smt. Girija Vyas, Chairman, National Commission for Women.

The College chose the theme of environment around which most College activities were organized this academic year. On Founder's Day, a three-day exhibition 'Seeds of Change: The Earth Charter' was organized in collaboration with the Bharat Sokka Gakkai.

The Principal of the College was invited to the United States as a historian and Fulbright Scholar under the Fulbright Visiting Specialist Programme: Direct Access to the Muslim World, where she lectured with the help of miniatures on Akbar's policy of Sulh-i-Kul, Sufism and Islam and also lectured on Gandhi's vision of non-violence.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Shweta Gupta	B.Com. (Hons.)	I
Monika	Maths. (Hons.)	II
Ritika	Hindi (Hons.)	II
Sonal Puri	Political Science (Hons.)	II

### Special Grants/Assistance/Projects

Awarded to the College : ₹ 4,86,00,000 (under OBC infrastructural expansion)  
: ₹ 67,00,000 (salary of teachers under OBC expansion)

### Library Development

Total Budget	:	₹ 5,40,325
Books added	:	1,259
Journals subscribed	:	80

### New Additions

Mr. Md. Zubeer Ahmed

### Appointments of faculty members to higher Posts/Assignments

**Dr. M. Saggur:** Appointed Vice-Chairperson of Women's Wing, All India Football Federation.

Nominated as selector for Delhi women teams in all age groups.

Manager of Delhi University team that secured Silver Medal at North-East Inter- University Handball tournament held at Punjab University, Patiala.

**Dr. Rajshree Chandra:** Selected for the 'Brown International Advanced Research Programme', which she attended at Brown University, Rhode Island, USA, from 31 May to 13 June 2009.

**Dr. Abha Jain:** Nominated as selector for Delhi women teams in all age groups.

#### **Honours/Distinctions**

**Dr. Indu Anand:** Received the Fulbright Scholarship and was Visiting Fellow at the Bismarck University, US, for four weeks in October 2009.

Awarded 'Amity Women Achiever Award' on the occasion of the Twelfth International Business Horizon-INBUSH 2010 held at Amity International Business School, Noida, 24-26 February 2010.

**Dr. Krishna Jain, Dr. Sudnya N. Kulkarni, Dr. Jayanti P. Sahoo, Ms. Sipu Jayswal, Ms. Anisha Saxena and Ms. Savita Chaudhary:** Received the Ambassadors for Peace Initiative Award by the Universal Peace Foundation for actively participating in the cleanliness drive organized in collaboration with ASI at Delhi monuments.

**Dr. Neeru Vasisht and Ms. Vandana Madan:** Received award of recognition for being a distinguished teacher at the Delhi University for the year 2009 from the former President of India, Dr. Abdul Kalam.

Convenor of AVANI (the Environment Club), were awarded by Delhi University for being distinguished teachers.

#### **Seminars/Conferences held**

The College, along with the Cleveland Institute of Technology, Campus Consortium, organized an International Video Conference with the School of Mass Communications and Journalism, Kent University, Ohio, US, 18 November 2009.

#### **Seminars/Conferences attended**

**Ms. Marjorie Fernandes:** Participated and presented a paper titled 'Fiscal Federalism and Regional Disparities in India: An Alternative Approach', International Conference on Public Economics at the Regional and Local Level at Shandong University, China, 5-6 May 2009. It was published in a volume of the conference papers.

**Dr. Deepali Bhanot:** Presented a paper on 'Promoting Peace through Inter-Religious Dialogue: A Hindu Perspective' at an International Conference organized by the Centre for Inter-Religious Dialogue and Inter-Cultural Dialogue, University of Dhaka, Bangladesh, 6-9 October 2009.

Presented a paper on 'Poverty, Wealth and Ecology Linkages from a Hindu Perspective' at the AGAPE Consultation on 'Linking Poverty, Wealth and Ecology: Asia-Pacific Ecumenical Perspectives' organized by the World Council of Churches, CCA and PCC, at Chiang-mai, Thailand, 2-6 November 2009.

**Dr. Gurinder H. Singh:** Invited by the National University of Singapore to deliver two lecture demonstrations on Hindustani classical music on 5 June 2009.

Performed in a concert on Hindustani raags at the Asian Research Institute in Singapore, 9 June.

**Dr. Rajshree Chandra:** Presented a paper titled 'The Role of National Laws in Reconciling Constitutional Right to Health with TRIPS Obligations: An Examination of the Glivec Patent Case in India'. Workshop organized by Center for Applied Philosophy and Public Ethics and Center for International and Public Law, Australian National University, on 'Incentives for Global Health: Patent Law and Access to Essential Medicines'.

**Dr. Anuradha Anand:** Presented a paper 'Policy Response to Prospects of FDI in Retail Trade in India' in an International Conference on Organized Retailing in India: Boon or Bane, DSPSR (I.P. University), Delhi.

Presented a paper 'Impact of Global Financial Crisis on the Growth of Organized Retail in India' in an International Conference on Organized Retailing in India: Boon or Bane, DSPSR (I.P. University), Delhi.

**Dr. M. Saggarr:** Participated in International Conference on Sports Psychology at Gwalior, M.P.

**Ms. Vandana Madan:** Presented a paper titled 'Vrindavan the Unfathomable', at an International Conference organized by IGNC and SPCS, during the 'Braj Mahotsava', at IGNC, New Delhi.

**Ms. Ruby Bhardwaj:** Presented a paper 'Lifestyle: Risk Perception and Negotiation', at a National Conference on Health for All: Opportunities and Challenges, Jaipur, September 2009.

**Dr. Swati Pal:** Presented a paper on 'Theatre of Social Change and Language: Looking at Red Ladder's Cake Play' at the International Conference on Language and Theatre organized by ISTR at the School of Arts and Aesthetics, JNU, 28-30 January.

**Dr. Rajshree Chandra:** Presented a paper titled 'The Role of National Laws in Reconciling Constitutional Right to Health with TRIPS Obligations: An Examination of the Glivec Patent Case in India'. as a member of Lassnet Law and Social Science Network at their inaugural Conference held in JNU

**Ms. Marjorie Fernandes:** Participated in a National Workshop on 'NREGA and Women's Empowerment' organized by the Institute for Human Development in association with the United Nations Development Fund for Women (UNIFEM), at India International Centre, New Delhi, 31 August 2009.

**Dr. Anuradha Anand:** Presented a paper 'Enron Debacle: Lessons to be Learnt for Indian Corporate Governance' in National Seminar under UGC by SBS College, New Delhi.

**Dr. Neeru Vashist:** Presented a paper titled 'Ethics in Indian Society', at a National Conference organized by MLN College, New Delhi.

**Dr. Swati Pal:** Presented a paper on 'The role of community theatre in reviving folk forms: Showcasing banglanatak dot com' at a National Seminar on 'Conflict, Belonging and Multiculturalism' at Sri Venkateswara College, Delhi University, 5-7 November 2009.

**Dr. Gurinder H. Singh:** Performed at the Khajuraho festival of Indian classical music and dance on 11 April 2009.

**Ms. Amita:** Presented a paper on 'E-Governance: As a New Dimension of Corporate Governance', in a National Seminar on 'Corporate Laws Contemporary Issues', organized by Shaheed Bhagat Singh College, Delhi University, December 2009.

## **Publications**

### **Books**

**Bhola, K. 2009.** *Dil Se Dilo Tak*, a collection of Hindi poems. New Delhi: Tarun Publications.

**Krishna, U. 2009.** *Politics, Ethics and Corporate Social Responsibility*. New Delhi: Pearson India.

**Upadhyaya, S. 2009.** *Hindi ki charchit kaviyetrian*. Delhi: Kalawati Prakashan.

### **Research Articles in Books /Journals**

**Vashist, N. 2009.** 'Income Wise Priorities of Tax Saving Schemes', Taxman Publications.

**Amita, 2009.** 'Impact of Terrorism on Indian Hospitality Industry'. *NIMS Management Review*, 5: 8.

**2009.** 'Compulsive Buying and Credit Card Usage'. *NIMS Management Review*. 6: 13.

**Gupta, S. 2009.** 'India's Energy Security: Contemporary trends and challenges'. *Indian Journal of Politics*, XLIII.

**Chandra, R. 2009.** 'Intellectual Property Rights: Excluding Other Rights of Other Peoples'. *Economic and Political Weekly*, August 1.

## **JESUS AND MARY COLLEGE**

### **Major Activities**

The academic session 2009-10 was an eventful one for Jesus and Mary College. The College achieved many laurels in the field of sports, academics and extra-curricular activities.

The Sports Department of Jesus and Mary College once again bagged the prestigious Vice-Chancellor's Trophy which is awarded to the best College of Delhi University under the category of sports. It is our pleasure to inform that the college has claimed this title for the 14th time in a row



Another feather in our cap was the establishment of the Women's Studies Development Centre, sponsored by UGC. The Centre was set up with the aim of offering short-term courses related to women's concerns. Despite being in its first year of initiation, several informative talks, workshops and even an inter-college festival was organized by the Centre.

Further, the placement cell provides opportunities for students to map their career goals. Several prestigious companies flocked to the College in search of fresh talent this year. The recruitment process was a huge success and students were made aware of current hiring trends in the market.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Prakriti Saxena	Maths. (Hons.)	II
Sneha Kadyan	B.A. (Hons.) Sociology	I
Swati Mehta	B.Com. (Hons.)	I
Shweta	B.Com. (Hons.)	II
Sonia Ahuja	B.A. (Pass)	I
Priyanka Mukim	B.A. (Pass)	II
Shilpi Arora	B.Com. (Pass)	I

### Special Grants/Assistance/Projects

Awarded to the College	:	Allocation ₹ 17,00,000.00
	:	Received ₹ 8,60,000.00
XI Plan Merger Scheme grant	:	Allocation ₹ 39,60,000.00
	:	Received ₹ 19,35,000.00

### Library Development

Total Budget	:	₹ 9,47,300
Books added	:	940
Journals subscribed	:	112

### Honours/Distinctions

**Dr. A. Ghai:** Awarded Nehru Memorial Museum & Library Fellowship.

**Dr. T. Abraham:** Re-appointed to the Board of Directors by the Jessie Obidiegwu Educational Fund, Nigeria.

Co-organizer with the International Association of Women in Radio and Television for the Seminar 'Women and Public Space', IIC, 6 March 2010.

### Seminars/Conferences attended

**Dr. S. Bhattacharjee:** Chaired a session and presented a paper, 'I like the Albanians much' Byron and three 20th century British Travelers to Albania', First International Byron Event (to mark the 200th anniversary of Byron's visit to Albania), Albania, September 2009.

**Dr. Nilima Chitgopekart:** 'Manuscripts as Texts' Conference at Budapest, Hungary, February 2010.

**Ms. Harriet Raghunathan and Ms. R. Subbu:** 'Liberty, the Individual and the right of Arguing Freely in Milton', Delivered at the International Seminar on Milton, Delhi University, 17 February 2010.

**Dr. Alka Marwaha:** International Conference organized by UGC Centre for Women Studies at Mohan Lal Sukhadia University, Udaipur, 10 March 2010.

International Conference on Women & Development at Punjabi University, Patiala, 9 March 2010.

**Dr. Anu Ahuja:** International Conference organized by UGC Centre for Women Studies at Mohan Lal Sukhadia University, Udaipur, 9 March 2010.

**Ms. Megha Dhillon:** Presented paper on 'Development of Children's Conflict Resolution Strategies' at VIII Biennial Conference on Development of Children's Conflict, Asian Association of Social Psychology, New Delhi, 11-14 December 2009.

**Dr. Susmita Ram, Ms. Sona Andrew, Ms. Shikha Tripathy and Mr. Rakesh Kumar:** International Seminar on 'Pre-service Elementary in Education', NCERT, New Delhi, 2-4 February 2010.

**Ms. Tanuja Sachdev:** 'An Analysis of GAD Indicators For S.E. Asia', Presented at IX Conference of Indian Congress of Asian & Pacific Studies, 4-5 September 2009.

Conference on Emerging China: Prospects for Partnership in Asia, 21-23 November 2009.

**Dr. S. Bhattacharjee:** 'Writing and World War II: Hemingway's *Across the River and Into the Trees*', Panel Discussion: 'Writing Conflict: The Impact of Conflict on Literature and the Allied Arts', National Seminar on 'Conflict, Belonging, and Multiculturalism', Sri Venkateshwara College, New Delhi, 7 November 2009.

Participant in Round Table on the future of education, 'Conversation of Educators', organized by IIM, Kozhikode, Welham's Girls' School, Dehradun, and Institute of Career Studies, Lucknow, with Mr. Kapil Sibal, Union Minister, MHRD and Dr. Kavita Sharma, Director IIC, 16 August 2009.

**Ms. H. Raghunathan:** Seminar on 'Dismantling of Democracy in Delhi University' at Hindu College, 11 March 2010.

**Dr. T. Abraham:** Chair, Seminar on 'Women and Public Space', IIC, 6 March 2010.

Discussant at the University of Delhi South Campus, Round table discussion on 'Legends and Fables – How Is Contemporary Fiction Informed By Traditional Forms?'

**Ms. Sunita Narain:** Seminar on 'Channel Financing & Three Nation FMS Study', 8 September 2009.

**Ms. Kirti Wadhwa:** National Meet on History of Mathematical Sciences at Conference Centre, Delhi University, Delhi University, 7-9 September 2009.

**Dr. A. Sharma and Dr. Neelam Rishi:** 'Computer Ki Dagar Par Hindi', Seminar on Hindi Computer, Delhi, February 2010.

**Dr. Anupama Srivastava:** Seminar on 'Working Women and Health', Udaipur, March 2010.  
Seminar on 'Revisiting Women Moment', Lakshmi Bai College, March 2010.

Seminar on 'Badalta Paridrishya Aur Hindi Sahitya Ki Bhumika', February 2010.

**Dr. Visalakshi Menon:** Seminar on 'Social Justice and the Marginals', read a paper on 'Marginalization of Women in Legislatures', 12-13 September.

Seminar on 'Women and Public Space', Read a paper on 'Two Pioneering Women of the Twentieth Century: Kamaladevi Chattopadhyay and Durgabai Deshmukh', IIC, 6 March 2010.

## **Publications**

### **Books**

**Abraham, T. (Co-edited). 2010.** *Education for Sustainable Devl Challenges, Strategies, and Practices in a Globalizing World.* New Delhi: Sage.

**2009.** 'Arundhati Roy's *The God of Small Things*: The Other and the Silence of the Other and Subaltern Theories', Anglo Files. *Journal of English Teaching*, Denmark.

**Sushila, R. 2009.** 'The limits of Multiculturalism in a Liberal Polity: Multiculturalism in a Liberal Polity: Need for a shared Identity', chapter in *Cultural Diversity, Governance and Policy*, (eds) Gopal, D. and Mayne, A. Delhi: Shipra Publications, pp. 78-89.

**Sachev, T. 2009.** *Contemporary India Economy, Society and Politics*, Co-authored with Marwaha, R. and Motwani, A. New Delhi: Pinnacle Books.

**Singh, P.** *Investment Management.* Mumbai: Himalaya Publishing House.

*Financial Management Principles and Practice Scholar Tech.* Delhi: Tech Press.

**Rastogi, S.** *Human Resource Management.* Sun India Publications.

**Motwani, A.** *Contemporary India: Economy, Society and Polity*, Co-authors Marwah, R. and Sachdev, T. New Delhi: Pinnacle Books.

Contributed lessons in (eds) Bhanu Murthy K.V. and Krishna, U. *Business Ethics.* New Delhi: Pearson Education.

**Marwah, R. (Co-author). 2009.** *Indian Economy, Scioety and Polity.* New Delhi: Pinnacle Books.

*Five Lessons for ILLL – Sales of Goods Act.* South Campus, Delhi University.

### **Research Articles in Books or Scholarly Journals**

**Bhattacharjee, S. 2009.** 'Juxtaposing Pieces', Rev. of Nivedita Majumdar (ed.) *The Other Side of Terror: An Anthology of Writings on Terrorism*. Delhi: Oxford University Press, 2009. *The Book Review*, 33(7): 23-24.

**2009.** *Walter Scott: The Heart of Mid Lothian*. New Delhi: Penguin India.

**2009.** 'Land of Albania! Where Iskander Rose', *Byron Journal*, 2: 166-69. Liverpool: Liverpool University Press.

**2009.** *International Byron Event, Albania – Report*, Newstead Abbey Byron Society, UK.

**2009.** 'The Public knew no more than does this rhyme' Alliteration Byron's Don Juan' Romanticism and its Legacies, (ed.) Ralla Guha Niyogi, Kolkata, pp. 75-84.

'Folktales at el. Ajit Baral, The Lazy Conman: Folktales from Nepal, Su Tong, Binu and the Great Wall, Manjushree Thapa, A Boy from Sikhs: The Life and Times of Chandra Gurung  
The Book Review (South Asia Special – XV), Vol. 34, No. 2, Feb. 2010.

**2010.** 'Writing about the Mountains of the Subcontinent in the 1930s', in *Indian Travel Narratives*, (ed.) Mandal, S. Jaipur: Rawat Publishers, pp. 165-80.

**Pillai, S.** 'Re-addressing the Cast of Nation, Gender and Desire in Anandamath' in *South Asian Review* 29-2 (2008: published 2009): 29-55. International + Refereed Journal.

'Review of *Specters of Mother India: The Global Restructuring of an Empire*' by Mrinalini Sinha, *Wagadu* 7 (Fall 2009): 99-101.

**Raghunathan, H. 2009.** Geoffrey Chaucer: The General Prologue to the Canterbury Tales, Edited with Introduction, Glossary, Notes, etc, World View Critical Editions. Delhi: World View.

**Visalakshi 2010.** 'Communication, National Movement and Political Mobilization in India' in Singh, Y. (ed.) *Social Sciences: Communication, Anthropology and Sociology, Vol. XIV Part 2 of History of Science, Philosophy and Culture*. Delhi: Pearson Longman, pp. 169-88.

**Sedwal, M. 2010.** 'Scheduled Caste Children'. In *Elementary Education: Social Equity Concerns in Equity and Education in India: Policy Issues and Challenges*, (ed.) Parimala, D. New Delhi: Kanishka Publishers, pp. 128-50.

**Sushila, R. 2009.** 'Twenty years later: Lessons from the process of change', *The Statesman*, 9 December 2009.

**2009.** 'A Tribute to Prouchon', with Mukherjee, S. *The Statesman*, 30 October 2009.

**2009.** 'A defender of Individual Liberty: Thomas Paine', with Mukherjee, S. *The Statesman*, 28 August 2009.

**2009.** 'Madam Speaker: Journey towards Real Empowerment of Women', *The Statesman*, 14 June 2009.

**2010.** 'Politics of the Pub: Propagation of Two cultures despite equality of sexes', 15 February 2010.

**2010.** 'Clash of Civilisation: The Continued Relevance of Huntington's work', *The Statesman*, 11 January 2010.

'Feminized Politics: Need for a holistic and inclusive approach', *The Statesman*.

**Motwani, A. 2009.** 'The Ethics of Layoffs and the HR dilemma', *Financial Express*, 25 April 2009.

Gender and Development Indicators: A study of Selected Asian Countries.

**Marwah, R.** Four papers for the course on Gender and Development for Indira Gandhi National Open University Masters and M.Phil. Programmes.

## KIRORI MAL COLLEGE

### Major Activities

A team comprising of two students from Kirori Mal College, Delhi University-Kamal Arora, 2nd yr B.Sc. Physics (Hons.) and Khyati Vardhan, 1st yr. Phys (Hons.)-along with their faculty advisor Dr. Sumitra Mohanty were invited by NASA to participate in the Moonbuggy event at the US Space and Rocket Center, Huntsville, Alabama, USA, on 3-4 April 2009. The team had designed, fabricated and transported their own 'moonbuggy' to Huntsville for the competition.

About 76 teams participated from all over USA, Canada, Germany, etc., including eight teams from India. Among a total of eight awards for various categories in the competition, Kirori Mal College bagged two prestigious awards. One award was for 'Outstanding Efforts in Developing a Human Powered Lunar Rover', while the other was for 'System Safety Engineering'. The 'System Safety Engineering' this year was a problem posed to the participating teams to suggest a design for tackling the menacing 'moon dust' problem, which occurs during 'day-time' on the surface of the moon caused by cosmic rays and solar winds.

The judges were extremely appreciative of the efforts made by this team, and are looking forward to seeing the Kirori Mal College team again next year with a new/improved design.

Incidentally, Kirori Mal College was the only team from India to have received an award. It was a great moment when they walked up the stage to receive their awards among chanting of 'Jai Ho' by all Indian students at the Packed Davidson Center 3-D Auditorium, where top-notch NASA scientists were also present.

On 19 February, the College felicitated Honorable Justice of Supreme Court, Shri Anang Kumar Patnaik and on 19 March 2010 the College felicitated Honorable Justice of High Court of Delhi, Shri Kailash Gambhir and eminent media personality Smt. Anuradha Prasad. All of them are Kirori Mal College alumni.

### Students Academic Distinctions

Name	Course	Position in the University
Richa Saini	B.Sc. (Hons.) Statistics	I
Md. Madni Ashraf	B.A. (Hons.) Urdu	I
Sukant Vatsa	B.Sc. (Hons.) Geology	I
Aman Bhardwaj	B.Sc. Physical Science	I
Shubhagi Tewari	M.A. Political Science	I
Vibhu Bansal	M.Sc. Physics	I
Onkar Mangla	M.Sc. Physics	I
Manish Sharma	M.Sc. Botany	I
Kiri Atri	B.A. (Hons.) Geology	II
Chanchal Gupta	B.Sc. Physical Science	II
Pinky Sawaria	B.Sc. (Hons.) Statistics	III

### Library Development

Total Budget	:	₹ 17,72,109
Books added	:	2,825
Journals Subscribed	:	64

### Seminars/Conferences attended

**Dr. Seema Joshi:** Selected for 2010 edition of Marquis' *Who's Who in the World*. She delivered the Keynote address at Kanpur on 'Development Experience of India and China: A Comparative Outlook', in a one-day Seminar sponsored by UGC at PG Mahavidyalya, Kanpur, 3 October 2009.

Delivered a talk at the Institute of Chinese Studies on the topic 'Two Competing Asian Gaints: Some Facts', at the Institute of Chinese Studies, 11 November 2009.

**Dr. Anita Kamra Verma:** Awarded the Charles Darwin Gold medal at the International Conference on Recent Trends in Life Sciences Research vis-a-vis Natural Resource Management, Sustainable Development & Human welfare on 27 June 2009 by the Governor of Jharkhand. She spoke on 'Nanomedicine: The Next Frontier' to the august audience at the Conference.

Invited to speak at the 'Indo-US Workshop on Nanotechnology, Applications and Implications', at the Indian Institute of Chemical Technology, Hyderabad, November 2009.

Invited for a talk at the International Symposium on 'Nanomaterials' at Kanya Mahavidyala, Jalandhar, Punjab, 28-29 October 2009.

Invited to Chair the session as well as to speak at the International Conference on Nanosciences & Nanotechnology, at the Ansal Institute of Technology, Gurgaon, 15-16 October 2009.

**Dr. Pragya:** Received the National-level prestigious Bhartendu Harish Chandra Award of Ministry of Information and Broadcasting for her book *Tara Ki Alwar Yatra*, published by N.C.E.R.T. This book bagged the first prize in its category.

**Dr. Seema M. Parihar:** Co-ordinator of the Fourth EDUSAT's Basic Course on Remote Sensing, Geographical Information System and Global Positioning System conducted by the Indian Institute of Remote Sensing, National Remote Sensing, National Remote Sensing Centre, ISRO, Department of Space, Government of India, in collaboration with the Consortium for Educational Communication, UGC and National Natural Resources Management System, August 2009.

**Dr. Shiv Kumar Kaushik:** Gave a talk on 'AD-Frames satisfying property B' in the International Conference on Wavelets and Analysis 2009, held at St. Petersburg, Russia. He also participated in the National meet on History Mathematics held at Delhi. He delivered an invited talk on 'Wavelets and its Applications' at Deen Dayal Upadhyaya College, Delhi.

**Dr. Mamta Mitra:** Participated in an International Seminar on 'Role of Cost and Management Accountants in regional Economic Development' organized by the South Asian Federation of Accountants and The Institute of Cost and Works Accountants of India on 26 November 2009. She participated in a UGC sponsored National Seminar on 'Corporate Laws: Contemporary Issues' organized by Shaheed Bhagat Singh College, Delhi University, December 2009.

**Dr. (Mrs.) Reena Saxena:** Sanctioned a DST Project of Rs. 32 lakh in Jan 2010 for 3 years.

**Dr. Kusumlata:** Attended National-level Workshops organized in collaboration with various associations like All India Confederation of the Blind, Akhil Bhartiya Mahila Manch, National Federation of the Blind, Unit for Physically Challenged Student (K.M. College), Asmita Natya Sammoh, etc. She presented papers in two International Conferences at the institute of Social Sciences Challenges on 'Opportunities in the 20th century before Indian women' at India Habitat Centre. She also published a book on traditional theatre, *Swatantrayqtai Paramparic Rang Parayog*.

### **Publications**

**Sharma, M.** published six research papers in this academic year (2 international and 4 national). She presented a poster in an International conference on Green Chemistry.

**Kulshreshtha, U.** Published 2 Papers in International Research Journals. a) 'Hamiltonian, Path Integral and BRST formulations of the chern Simons Higgs Theory under appropriate Gauge Fixing' UK+DSK+HJW Muller Kristen + J.P. Vary physical Scripta 79: 045001 (2009). b) 'Hamiltonian and PathIntegral Quantization of the conformally gauge-fixed polyakor D1

Bnane Action in the presence of cator dilation Field'. She visited the Dept. of Physics and Astronomy, Iowa State University Ames, Iowa, USA, Oct.-Dec. 2009. Her name appeared in the Marquies *Who's Who in the World 2009-2010*.

**Parashar, R.K.** *Reaction Mechanism in Organic Synthesis*, for graduate and postgraduate students. England: Wiley.

**Saxena, R.** Published four papers in National & International Journals (2009-10) and attended Conferences on Green Chemistry and Forensic Science.

**Kaushik, S.K.** Published four research papers in reputed national and international journals. Some of them are: 'A Generalisation of Frames in Banach Spaces' in *Journal of Contemporary Mathematical Analysis* (Springer). 'On k-deficit Banac Frames' in *Armenian Journal of Mathematics*, Armenian Academy of Sciences.

**Hooda, O.P. 2009.** Presented a paper 'Standards, Norms and Guidelines for Budget Allocation of College Libraries' at Delhi Library Association National Conference on Financial Management of Libraries and Information Centres, 31 May 2009.

Attended International Conference on Academic Libraries ICAL-2009 organized by Delhi University Library System at Delhi University, October 2009.

Presented a paper 'Knowledge Management in Academic Libraries' at LV ILA National by Birla Institute of Management Technology, Greater Noida, in January 2010.

## KALINDI COLLEGE

### Major Activities

Kalindi College is one of the prestigious institutions of Delhi University working towards empowerment of underprivileged women. There have been excellent achievements in academic and extracurricular activities by the students in the current year. The faculty members are very dynamic in keeping themselves abreast with the latest developments in their respective fields. They have been actively participating in Conferences and Seminars at the International and National levels held in India and abroad.

### New Courses/Subjects Introduced

Add-on Courses: French Language, Video Production

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Swati Tanwar	B.Sc. (Prog.) ALS	I
Priyanka Sharma	B.A. (Hons.) Journalism	I
Priyanka Chandra	B.A. (Hons.) Journalism	I
Salma Rehman	B.A. (Hons.) Journalism	I



Vineeta Gola	B.Sc. (Prog.) ALS	II
Satyadipanshi Chikara	B.A. (Hons.) Journalism	II
Paromita Sarkar	B.A. (Hons.) Journalism	III
Zeba Khan	B.A. (Hons.) Journalism	III

### **Special Grants/Assistance/Projects**

OBC Grant - ₹ 358 Lakh  
Environment - ₹ 0.10 Lakh

Teacher's Grant for attending International Conferences 1.192 Lacs

### **Library Development**

Total Budget : ₹ 5.9 lakh  
Books Added : 792  
Journals Subscribed : 62

### **New Additions**

Dr. Kalpana Kumari - Mr. Nitin Malhotra

### **Appointment of faculty member to higher Posts/Assignments**

**Dr. Ruchi Tyagi:** Appointed ILLL Fellow in Political Science for encouraging professional development in higher education through research, symposia and seminars.

### **Honours /Distinctions**

**Dr. Renu Bala:** Received Dr. Rajinder Prasad Award by International Eminent Education Forum.

**Dr. Ruchi Tyagi and Ms. Chaity Das:** Awarded the Distinguished Teacher's Prize by Delhi University.

### **Seminars/Conferences held**

UGC Sponsored National Seminar on 'Rashtriya Sangosthi Vishwa Anudan Ayog' on 'Sanskrit Language and Modern Languages' organized by the Sanskrit Department.

### **Seminars/Conferences attended**

**Ms. Anita Tagore:** Presented a paper 'Gender, Citizenship and Human Development: Interrogating Land Reform' in National Conference on Challenges in Human Development held in Yanam, January 2010.

Presented a paper 'Reproductive Rights and Laws in India' in an International Conference on Human Rights: Transforming Dimensions in the University of Punjab, Chandigarh, February 2010.

Presented a paper 'Gender Politics and Reproductive Rights: A Case for Human Rights in India' at a National Seminar on 'Human Rights Discourse in India – Challenges for Theory and Action', December 2009.

**Dr. Savita Roy:** Presented a paper 'Dense Plasma focus assisted formation of carbon nanoloops on Quartz substrate' along with Prof. M.P. Srivastava (Deptt. of Physics and Astrophysics, Delhi University) in the International Workshop on 'Plasma Diagnostics and Applications' in Singapore, 2-3 July 2009.

Presented a paper 'Deposition of Germanium Nanostructures' using Dense Plasma Focus Device and their Characterisation in Hamburg, Germany.

**Dr. Sharda Jain:** Presented a paper 'Combating Terrorism Through Military: Assessing its Urgency and Ugliness' at the XXI World Congress of International Political Science Association, Santiago, Chile, 12-16 July 2009.

**Dr. Ruchi Tyagi:** Presented a paper 'Secularism In Multi-Religious Indian Society', Faculty Workshop, organized by the Department of Political Science, Delhi University, 3 December 2009.

**Dr. Anula Maurya:** Presented a paper 'Pratitusamutpad ek vishleshan' in an International Seminar on Buddhism and Globalisation, Delhi University.

Presented a paper 'Sanskrit avum Adhunik Bhartiya Bhashao ki Yojika Pali' in a National Seminar organized by the Department of Sanskrit, Kalindi College.

### **Publications**

**Gupta, M. 2010.** *Premchand Ka Katha- Sahitya Smikshatmak Mulyankan.* New Delhi: Sanjay Prakashan.

**Roy, R., Agarwal, V. and Gupta, S.C. 2009.** 'Comparison of drought –induced polypeptides and ion leakage in three tomato cultivars'. *Bioplogia Plantarium*, 53(4): 685-90.

**Malhotra, Y., Roy, S., Srivastava, M.P., Kant, C.R. and Ostrikov, K. 2009.** 'Extremely non-equilibrium synthesis of luminescent zinc oxide nanoparticles through energetic ion condensation in a dense plasma focus device'. *J. Phys. D: Applied Phys.*, 42: 155202-207.

**W.Priyokumar Singh, Srivastava, M.P. and Roy, S. 2009.** 'Nanoparticles and Nanostructured Cobalt deposition using Dense Plasma Focus Device'. *Journal of Plasma and Fusion Research Series.* 8: 526-29.

**Malik, R., Sharma, R., Kanjilal, D. and Annapoorni, S. 2009.** 'Alignment of magnetic clusters in polymer using Arion beam'. *J. Physics D: Appl Phys*, 42: 235501.

**Banas, D. and Verma, P. et. al. 2009.** 'The enhancement effect in K-shell radiative recombination of U92+ ions with cooling electrons'. *European Physical Journal, Special Topics*, 169: 15.

- Sharma, A. 2009.** 'ASEAN-A talking Shop'. *Political Science Post. K.C.* 1: 1-7.
- 2009.** 'Judicial Activism'. *Political Science Post. K.C.* 1: 8-12.
- Tyagi, R.,** 'Vision of Dr. B.R. Ambedkar' contribution of B.R. Ambedkar to the study of Indian Economy (Socio-Economic and Political vision), in Mishra, S.N. (ed).  
 'India in the Globalizing Era: A Multidisciplinary perspective', in Subhendra, R.S. and Mahendra, P.S. (eds) *Impact of Globalization on Rural India*. New Delhi: Manak Publications Pvt. Ltd.
- 2009.** 'General Election 2009', *South Asia Politics*, June: 38-45.
- 2009.** 'Dual Citizenship and Indian Diaspora', *Indian Journal of Social Enquiry*, Maharaja Agrasen College, Delhi University, 1(3): 31-54, Sep-Nov.
- Sethi, Puri. M. 2009.** 'Parliamentary form of Government In India – A fading myth or a steady reality'. *Political Science Post. K.C.* 1: 32-56.
- 2009.** 'Theory of Positivism'. *Political Science Post. K.C.* 1: 75-108.
- Dhal, S. 2009.** 'Evolution of the Discipline of Public Administration'. *Political Science Post, K.C.*, 1: 109.

## **KAMALA NEHRU COLLEGE**

### **Major Activities**

The College has signed a MoU with the University of Concordia, according to which twenty students came to Kamala Nehru College for an intensive course on 'Narrating Women's Life in Canada and India' conducted in February 2010. The Economics Department held a very relevant UGC seminar on 'Effects of global meltdown'. The College also presented an International Conference sponsored by the UGC, Ministry of Environment and Forests, Crafts Council of U.P. and the British Council on 'Sustainable Lifestyles: Consumption and Climate Change.' Foreign delegates from the U.K., Nigeria, Greece, Germany and Nepal attended.

The College has newsletters of various Departments: Journalism - *Communique*, English - *White Noise*, Economics - *Ecocentric*, Political Science - *Interface*, Philosophy - *Reflection*, and *Awaken* from the Consumer Club. *Green Talk*-Newsletter of the Environment Club. Other publications include *Apoorva*, the annual college magazine and the scholarly journal, *Akademos*, the pride of KNC academic staff which adorns many shelves in the University of Delhi.

In the month of February 2009, the annual Dr. Gorowara Memorial Lecture, the fifth in a series, was delivered by Smt. Shubha Mudgal on 'Music Education in India'.

Dr. A.P.J. Abdul Kalam, our Former President, His Holiness the Dalai Lama and Dr. Kiran Bedi, all visited Kamala Nehru College to impart value education.

A Hindi Poets' Meet was held wherein eminent poets shared the dais with young poets on the theme of 'Depiction of Women in Indian Poetry.' This was telecast on Doordarshan Bharti, aired on All India Radio as well as covered by eight Hindi dailies and four magazines. The English Creative Writing Society, Expressions, facilitated students' interaction with renowned poets from Poetree and the Poetry Society of Delhi. The College had an interactive literary programme, 'Poetry across Cultures' with the embassies of USA, Romania, Spain, Serbia and Portugal.

The National Social Service Scheme has done wonders in terms of community service and HIV awareness. This October, the College collected 147 units of blood as part of the annual blood donation camp. An NGO *mela* happened in December.

The College more than 60 computers and 80 more given by the University. Two new computer rooms have been added along with a server room.

This year, the College hosted 'Letters that Bind,' a twenty-panel exhibition based on letters exchanged between Jawaharlal Nehru and Indira Gandhi from the Nehru Memorial Museum and Library, to commemorate Kamala Nehru Day.

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Rakhi	B.Com. (Pass)	II
Diksha Sahni	B.A. (Hons.) Journalism	I
Shikha	B.A.(Hons.) Hindi	III
Kriti Kanaujia	B.A. (Hons.) Geography	II
Rekha Singh	B.A.(Hons.) Sanskrit	II
Neelam Jain	M.A. Political Science	I
Sangeeta Sharma	M.A. Sanskrit	II

### **Library Development**

Total Budget	:	₹ 917000.00
Books added	:	1,322
Journals/Periodicals subscribed	:	87
Newspapers	:	10

### **Seminars/Conferences held**

Department of Journalism had Vinod Mehta in the chair and luminaries like Sevanti Ninan, Paranjoy Guha Thakurta and Pamela Philipose on the panel among others from CNN-IBN and NDTV in their seminar titled, '24x7. Journalism: Issues and Perspectives' at the India International Centre.

### **Seminars/Conferences attended**

**Ms. Anubha Yadav:** Participated in an International Conference entitled 'Rethinking, Screenwriting, Aristotle in change project' held in Finland, 10-12 September 2009.

**Dr. Savita Hanspal:** 'Working of District Consumer Forum in Delhi and Rajasthan-An Evaluation' at the National Seminar on 'Role of Consumer Disputes Redressal System in India: Issues, Challenges and Opportunities' at JNU, New Delhi, 12 March 2010.

'Packaging Legislation in India: Impact on Consumer Welfare', at the National Seminar on 'Consumer protection in India: Lessons Learnt and Future Challenges' held at IIPA, New Delhi, 19 November 2009.

**Sanam Khanna and Susan Thomas:** Presented a paper on 'Mediating the Monstrous: Mapping Some Shifts in the Ephemeral Media-generated Myths and Representations of Evanescent Evil' at the 7th Global Conference on 'Monsters and the Monstrous: Myths and Metaphors of Enduring Evil' held at Mansfield College, Oxford, 14-17 September 2009.

### **Publications**

**Hanspal, S. 2010.** *Consumption of Sustainable Tea/Coffee in India*. New Delhi: Partners in Change.

### **Book Chapters**

**Hanspal, S. 2010.** 'Regulating Competition in India'. In *Consumers, Consumerism and Consumer Protection: Indian Context*, (eds) K.N. Bhatt, Suresh Mishra and Sapna Chadah. Centre for Consumer Studies IIP A and Abhijeet Publications. (ISBN 978-93-80031-55-2).

**2009.** 'Consumer Rights'. In: *Politics, Ethics and Business Responsibility*, (eds) Bhanumurthy, K.V. and Krishna, U. New Delhi: Pearson Publications (ISBN 978-81-317-3147-5).

**2009.** 'Consumerism and its Impact under the Auspices of Globalization in India' in: *India in the Globalising Era-A Multidisciplinary Perspective*, (eds) Subhendu Ranjan Raj and Mahendra Prasad Singh. New Delhi: Manak Publications Pvt. Ltd. (ISBN 978-81-7831-161-6).

**2009.** 'Ethical Issues in Advertising', in *Politics, Ethics and Business Responsibility*, (eds) Prof. K.V. Bhanumurthy and Dr. Usha Krishna. New Delhi: Pearson Publications (ISBN 978-81-317-3147-5).

### **Research Papers**

**Hanspal, S. and Kumra, D. 2009.** 'CRM in Credit/Debit and ATM Cards: Focus on Complaint Handling', *Review of Business Technology and Research* (ISSN 1941-9414), 2(1): 1-9.

**2009.** 'Bank Practices regarding Issue of Plastic Money in India', *NICE Journal of Business*, 4(2) (July-Dec.): 97-106. (ISSN: 0973-449X).

**Co-authors: Nangia, Vinay, Savita Hanspal and Deepti Kumra.** ‘Evaluation of RBI Guidelines for Regulating Plastic Money in India’, at the International Conference on Global Issues in Management and Technology organized by University of Maryland, Eastern Shore, MTMI, Frostburg State University, Synthetic Business School in cooperation with Devi Ahilya University at IIM, Devi Ahilya University, Indore, MP., 22-24 December, 2009.

‘CRM Practices in Credit, Debit and ATM Cards in India’ at the International Conference on Global Issues in Management and Technology organized by University of Maryland, Eastern Shore, MTMI, Frostburg State University, Synthetic Business School in cooperation with Devi Ahilya University at IIM, Devi Ahilya University, Indore, MP. 22-24 December 2009.

**Khanna, S.** Writing 2 units/ e lessons for the ILLL, for the B.A. Programme Foundation course on Language, Literature and Culture.

**Paul, N.** Developed lessons for the Film Studies courses at the Institute of Life Long Learning, D.U.

Developing lessons for the Mass Communication courses at the Institute of Life Long Learning, D.U.

Book reviews for *Intersections*. A peer-reviewed online journal.

## KESHAV MAHAVIDYALAYA

### Major Activities

The teaching faculty brought many accolades by publishing good articles in eminent conferences and journals. To encourage e-learning, laptops were issued to the teaching faculty of various departments for developing e-content. The visiting UGC team sanctioned Rs. 48.91 lakh under the XI Plan. A Women’s Development Cell was started and it organized talks on legal rights of women.

### Students Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Snigdha Sharma	B.Sc.(Genl.) Mathematical Science	I
Mr. Sufyan Haroon	B.Sc. Computer Science	I
Mr. Varun Mendiratta	B.Sc. Computer Science	II
Ms. Akansha Aggarwal	B.Sc. Computer Science	III

### Library Development

Total Budget	:	₹ 8,27,092
Books added	:	1577

## **Appointment of Faculty Member to higher posts/Assignments**

**Dr. Vipin Negi:** Worked as Post-Doctorate fellow under Erasmus Mundus Fellowship of the European Commission at the Centre for East and South-East Asian Studies, Lund University, Sweden.

## **Seminars/Conferences attended**

**Ms. Roli Bansal:** Participated in the National Conference on Information Technology Laws and Related Intellectual Property, at Faculty of Law, Delhi University, 19-21 March 2010.

**Ms. Richa Sharma:** Presented a paper 'Designing an Intelligent e-Learning Environment by User Interaction Analysis', 2nd International Conference.

**Dr. Vipin Negi:** Presented a paper titled 'Poverty and Food Security in Rural India: The Politics of implementation of NREGA programme', in the Nordic Summer University, International Conference on Environment Challenges, Politics and Food Production in South Asia at Falsterbo, Sweden, 2-3 February 2010.

**Mrs. Jasmeet Singh Rajvanshi:** Presented a paper titled 'Electron scattering with open-shell molecules R-matrix method', in the National Conference on Advances in Atomic, Molecular and Nuclear Physics at MMH College, Ghaziabad, UP, November 2009.

## **Publications**

**Bansal, R., Sehgal, P.S. and Bedi, P. 2010.** 'Effective Morphological Extraction of True Fingerprint Minutiae based on Hit of Miss Transform'. *International Journal of Biometrics and Bioinformatics*, Vol. 4, Issue 2.

**Bedi, P., Kaur, H. Gupta, B., Talreja, J. And Sood, M. 2009.** 'A Website Recommender System based on Analysis of users Access log'. *Journal of Intelligent Systems*, ISSN: 0334-1860, pp. 333-52.

**Gupta, B., Kaur, H. And Bedi, P. 2010.** 'A Reputation based service provider Selection for Farmers'. *Journal of Information Assurance and Security*, Vol. 5, ISSN: 1554-1010, p. 515.

**Rajvanshi, J.S. 2010.** 'Electron-impact study of the PH radical using the R-matrix method'. *Journal of Physical Review*, American Physical Society, 81, 022709.

**Haridas, D., Choudhary, A., Sreenivas, K. And Gupta, V. 2009.** 'Enhanced LPG response characteristics of SnO<sub>2</sub> thin film based sensors loaded with Pt clusters', *International Journal on Smart Sensing and Intelligent Systems*, Vol. 2, No. 3.

**Choudhary, A., Haridas, D., Sreenivas, K. and Gupta, V. 2009.** 'Mechanism of trace level H<sub>2</sub>S gas sensing using RF sputtered SnO<sub>2</sub> thin films with CuO catalytic over layer'. *International Journal on Smart Sensing and Intelligent Systems*, Vol. 2, No. 4.

## LAKSHMIBAI COLLEGE

### Major Activities

Lakshmibai College has been part of the academic renaissance introduced by Delhi University. These achievements would not have been possible without the accompanying infrastructural changes. Connectivity has been established through a computer network. State-of-the-art Seminar and Conference facilities are duly in place.

The second computer lab, situated on the first floor of the Principal's Block, and the NCC and NSS/Non-Collegiate rooms have been renovated with state-of-the-art-technology and provision has been made to install 80 computers in the computer lab which Delhi University would be providing to the College.

The College Placement Cell helped several B.Com.(Hons.) and English students find placements with Genpact and Tech Mahindra.

The Website Committee has successfully revamped the college website making it more updated and user-friendly.

LB College has always strived for perfection and its focus has never been academics alone. Debating, Dramatics and Literary Societies, along with classroom discussions, encourage students to fight bigotry and narrow-mindedness.

### Library Development

Total Budget	:	₹ 3,95,000.00
Books added	:	998
Journals subscribed	:	54

### Honours/Distinctions

**Dr. Pushpa Gupta:** Honoured by the Vice-Chancellor of Shri Jagannath Sanskrit Vishwavidyalaya and Prof. Satyavrat Shastri—recipient of President's Certificate of Honour, Bhartiya Gyanpeeth Award and Padmabhushan—at the National Seminar in Puri.

Name included in *Learned India-Distinguished Biographies in Twenty-First Century*.

**Dr. Asha Gauri Shankar, Ms. Nirmal Kanta and Ms. Ruchi Mundeja:** Received 'Distinguished Teacher Award' conferred by the Vice-Chancellor, Delhi University.

**Dr. Anita Malhotra:** Listed in the *Directory of Resource Persons in Social Sciences and Health Nutrition* published by the National Institute of Public Cooperation and Child Development.

**Dr. Anita Sharma:** Awarded the Best Article Prize in the Classical Section of the Oriental Research Conference, Kurukshetra.



### **Seminars/Conferences held**

The Department of History began its calendar of activities with a National Seminar on 'Culture, Community and Gender in Medieval India' on 7 August 2009.

### **Seminars/Conferences attended**

**Dr. Karuna Kaushik:** Participated in the Fourth Annual Convention—Women Empowerment: Achievements and Gaps—at the Indian Islamic Cultural Centre, New Delhi, 17 November 2009.

Participated in Workshop on 'Education for Sustainable Development' at TERI University, Delhi, 19 January 2010.

**Dr. Pushpa Gupta:** Presented a paper on 'Sixty Four Arts in Atharvaveda' at a National Seminar organized by Shri Jagannath Sanskrit Vishwavidyalaya in Puri, Orissa.

Presented a paper—'Vedic Karmayog Ka Moolmantra Chareiveti Chareiveti'—at the International Vedic Conference organized by Gurukul Kangri Vishwavidyalaya, Haridwar.

Presented a paper—'Importance of Sanskrit Shastras in Modern Times'—at a National Seminar organized by Bharti College, Delhi University.

Presented five articles in various National Seminars which have been published in *Garland of Sixty-Four Arts*.

**Dr. Raj Nangia:** Presented a paper—'Corporate Governance Challenges Ahead for India'—at a National Seminar on 'Corporate Laws: Contemporary issues'. Delhi, 4-5 December 2009.

**Dr. Asha Gauri Shankar:** Attended the Pre-ICM International Conference held in December 2009.

**Dr. Madhu Bala Aggarwal:** Attended an International Conference—Issues in Finance and Economic Development in Developing Countries during Globalization Era, Shri Ram College of Commerce, Delhi University on 6-7 November 2009.

**Dr. Anita Malhotra:** Attended the International Workshop on 'Micronutrients and Child Health' organized by the All India Institute of Medical Sciences, New Delhi, 20-23 October 2009.

**Dr. Rashmi Gupta and Dr. Meenu Khaneja:** Attended National Seminar at Hansraj College, 28-29 January 2010.

**Dr. Anita Sharma:** Presented three articles at National Seminars that have been published in *Garland of Sixty-Four Arts*.

**Dr. Seema Kaushik:** Attended the National Workshop on 'Data Analysis in Physical Education and Sports Using SPSS' at Kumaon University, Nainital, 8-10 July 2009.

## Publications

### Books

**Gautam, S. and Gautam, V. (eds). 2010.** *Bhartiya Lok Sahitya Kosh*, Vol. 9. Delhi: Sanjay Prakashan.

**Kaushik, S. 2009.** *Fitness, Aerobics & Gym Operations*. Delhi.

### Research Articles in Books or Scholarly Journals

**Harneja, A.** 'Personal Insurance Decision Making Process in India: An Empirical Study', *Journal of Banking, Information Technology and Management*, July-December 2009.

**Kaur, R. 2009.** 'Deh Sey Geh Tak', *Indraprastha Bharti*, Jan-June 2009.

Ibid, 'Parshuram ki Pratiksha Mein Abhivyakt Dinkar ka Yugbodh', *Prasthan*, Jan-Dec. 2009.

Ibid, 'Nirmal Verma ki Chintan Dristi ke Vividh Aayam', *Harigandha*, Oct. 2009.

## LADY SHRI RAM COLLEGE FOR WOMEN

### Major Activities

One of the important events organized at Lady Shri Ram College during the academic year 2009-10 was a visit by the Hon'ble Deputy Prime Minister of Australia– Julia Gillard. She spoke to the students on 'Women in Leadership' and later interacted with the students of the College. The College also organized a Seminar on the Burmese leader Aung San Suu Kyi in which eminent human rights activists, political leaders, media persons and pro-democracy Burmese activists participated. Dr. Karan Singh was invited to speak on the 'Four Pillars of Learning' to students of the College. The History Department organized a series of lectures, discussions and film screenings in collaboration with the Russian Centre for Science and Culture as part of a Russian festival. NSS organized a Seminar to provide an insight into the world of the differently abled, at which eminent speakers from NGOs dealing with the differently abled shared their experiences. The Department of Physical Education organized an information seminar on the issue of women in sports.

Lady Shri Ram College was the only college in India to be invited by the National University of Singapore to send two students to participate in a global summer school 'Asia Now' at Singapore.

### Student Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ishita Rajani	B.A.(Hons.) Economics	I
Neha Singh	B.A.(Hons.) Hindi	III
Vasudha Agarwal	B.A.(Hons.) Philosophy	I
Divisha Agrawal	B.A.(Hons.) Psychology	I
Anuragini Shreeya	B.A.(Hons.) Sociology	III
Mansi Birla	B.A.(Hons.) Statistics	I

### **Special Grants/Assistance/Projects**

Up-gradation of Infrastructure (OBC) : ₹ 3,12,00,000

Up-gradation for Hostel Facility for  
Commonwealth Games : ₹ 54,00,000

### **Library Development**

Total Budget : ₹ 13,62,179

Books added : 820

Journals subscribed : 133

### **New Additions**

Dr. Jonaki B. Ghosh - Elementary Education

Dr. Vartika Nanda - Journalism

Ms. Sentsungla Longchar - Psychology

### **Honours/Distinctions**

**Dr. Meenakshi Gopinath:** Recipient of several honours and awards, including the L.M. Singhvi Visiting Fellowship Award conferred by the David Davies Memorial Institute of International Studies (DDMI), Aberystwyth University, United Kingdom, in April 2009. She was also invited to deliver the Annual Lecture 2009 at this institute. The International Lifetime Achievement Award 2009, was conferred on her by the International Congress of Women 2009 in collaboration with UN Information Centre for India and Bhutan for her outstanding work in the field of Justice, Equity, Peace and Progress.

**Dr. S. Rajashree:** Received the 'Vocation Award for Contribution to Education' from Rotary International, Delhi Central, in May 2009.

### **Seminars/Conferences held**

Seminar on the Nobel Peace Prize winner and alumna of Lady Shri Ram College, Aung San Suu Kyi. The seminar titled 'Aung San Suu Kyi – Symbol of Democracy' focused on the important role played by this great leader in the struggle for democracy in Burma. As part of the Seminar, a panel discussion which included panelists from the fields of politics, human rights and media was held. The panel discussion was followed by the screening of a documentary titled 'Burma VJ: Reporting from a Closed Country'.

Seminar on the theme 'Public-Private Partnership in Higher Education: Challenges and Opportunities'. The eminent panelists included Prof. B.B. Bhattacharya, Vice-Chancellor, JNU; Gen. K. Jai Singh, Vice-Chancellor, Amity University; Mr. Furqan Qamar, Education Advisor, Planning Commission, Government of India and Mr. Sumit Khanna, Film-maker. The discussion was moderated by Ms. Nayantara Rai from CNBC.

Seminar on 'Alternative Journalism: Beyond the Convention'. The panelists for the occasion were Mr. Dave Bloss, a sports journalist; Mr. Amar Kanwar, a documentary film maker; Ms. Aarti Sethi and Mr. Jody Mc Philip, developmental journalist.

Seminar on the theme 'Issues of Identity'. A panel discussion on the topic 'Making of an Identity: Schooling and Education', was the highlight of the event. The panelists on the occasion were Dr. N. Sukumar, Department of Political Science, Delhi University; Dr. Tekchand, faculty member, Department of Hindi at Swami Shraddhanand College and a well known short-story writer; and Dr. Farah Farooqi, Department of Education, Jamia Millia University. The session was chaired by Dr. Sadhna Saxena, who is well known for her pioneering contribution to the understanding of education for the marginalized.

Seminar on 'The Life of the Intellectually Challenged and their Care-givers', in which speakers from NGOs working for the differently abled shared their experiences. It was a highly enlightening session and provided great insights into the world of the differently abled.

An informative Seminar 'Women's World of Sports' was organized by the Physical Education Department of Lady Shri Ram College. The Seminar focused on the problems faced by women in sports. Dr. Rita Bakshi, a gynaecologist and Director, ADIVA, spoke about the 'Journey of a Woman: Menarche to Menopause'. Mr. Rahul Verghese, Founder of Running and Living Infotainment and International Marathon Runners, enlightened the audience with his presentation and talk on 'Women and Running'. Dr. Jawaharlal Jain, Senior Physician and Medical Administrator, Delhi University, spoke on 'Women's World of Sports Injuries'.

### **Seminars/Conferences attended**

**Dr. Meenakshi Gopinath:** Participated in the Women's Education Worldwide Conference on Empowering Women: The Economic Imperative at Sydney, Australia, January 2010.

Delivered the Plenary Address, 'Gender Sensitive Democracy' at the International Conference on Violence against Women in Politics, at South Asian Partnership International, Bangladesh, November 2009. In addition, she chaired the 3rd Asia Annual Convention on Non-Traditional Security Studies, Singapore, November 2009.

**Dr. Shernaz Cama:** Team leader of the Parzor team at the World Zoroastrian Congress, Dubai.

**Ms. Subi Chaturvedi:** Member of the Design Jury at the International Broadcast Convention (IBC) for Content Creation and Delivery at Amsterdam.

**Dr. Kanika Aggarwal Khandelwal:** Presented a paper titled 'Who is Afraid of Success and Why?' at the 6th Biennial Conference of International Academy for Intercultural Research on World Peace through Intercultural Understanding, Hawaii, USA. She also presented a paper 'Is Beauty in the Eyes of the Beholder or Media?' at the 11th European Congress of Psychology, Oslo, Norway.

**Dr. Priti S. Dhawan:** Attended and presented research findings on 'Perception of Social Support and Coping Styles of HIV+ Individuals: A Psychosocial Study' at the European Congress of Psychology held in Oslo, Norway, 7-11 July 2009. She attended and presented a paper on 'Patterns of Moral Judgment: Developmental and Gender Variation in Indian Adolescents' at the International Association for Intercultural Research Conference held in Honolulu, Hawaii.

**Dr. Anjali Bhatia:** Guest Scholar at the Global COE (Centre of Excellence) programme 'Reconstruction of the Intimate and the Public Spheres in 21st Century Asia', Kyoto University, Japan.

**Dr. Meenakshi Gopinath:** Made a presentation 'Paradigm Shift in Education Policy in India' at the Indo-German Consultative Group at New Delhi, November 2009.

**Dr. Neelam Singh:** Invited to be a discussant at an International Conference Innovation and Development under Globalization: BRICS Experience at Trivandrum, Kerala, organized by CDS, Kerala, and the Federal University of Rio de Janeiro, Brazil.

Attended an International Conference on South Asian Financial Systems at a Crossroad: Promoting Stability and Growth, jointly organized by the Indian Council for Research on International Economic Relations, Delhi, and InWEnt, Germany, in Delhi, India; and participated in a Workshop on 'Education for Sustainable Development', organized by TERI University, Delhi, in January 2010.

**Dr. Shernaz Cama:** Speaker at the International Conference on Unity of Faiths, SAI International Centre, and presented a paper 'Do we need a World Religion: The Zoroastrian Perspective'.

**Ms. Subi Chaturvedi:** Chaired the opening Seminar for International Association of Women in Radio and Television at the VI Asian Women's Film Festival.

**Dr. S. Radha:** Participated in an International Symposium on 'Being Alive to Responsible Citizenship: J. Krishnamurti and the Challenge for Education' organized by Delhi University.

**Dr. Kanika Khandelwal:** Presented a paper on 'Life Satisfaction Revisited: Intimate Partnership between Work and Family?' at VIII Biennial Conference of the Asian Association of Social Psychology at IIT, Delhi, and National Academy of Psychology, New Delhi.

**Ms. Meenakshi Pahuja:** Attended the 3rd International Conference on Sports Medicine organized by IFSM, SAI, CWG Delhi 2010, IOA, IMA and SSCB at Delhi.

**Dr. Neelam Singh:** Participated in a National Seminar and Workshop on 'Integrating Multiple Technologies to Support Teaching and Learning,' organized by the Department of Electronics, Maharaja Agrasen College, Delhi University, and Institute of Informatics and Communication, Delhi University South Campus, sponsored by UGC.

**Dr. Madhu Grover:** Presented a paper, 'An "Alter-Native" Authority: Native Identities and Liminal Spaces in Kipling's Narratives' at a National Conference, Conflict, Belonging and Multiculturalism in Literature and Allied Arts organized by Sri Venkateswara College, Delhi University.

**Dr. Sarika Kalra:** Attended a Conference on the book *Akath Kahani Prem Ki* by Purushotam Aggarwal organized by the Raza Foundation. Dr. Kalra and Dr. Priti Prajapati attended and participated in a Seminar on 'Media', organized by S.P.M. College in association with UGC, and in a Seminar on 'Innovation and Experimentation in Indian Classical Dance' organized by Aadyantara at IIC.

**Dr. Priti Prajapati:** Attended a Seminar on 'Bhumandlikaran aur Marxvad' organized by Sahitya Akademi at IIC and one on 'The Concept of Indian Literature', also by Sahitya Akademi at Rabindra Bhawan. She also attended a seminar on 'Hindi ke Bhavishya ka Naksha', organized by Jaijivanti on the occasion of its 2nd annual day in collaboration with ICCR at India Habitat Centre and 'Sahitya ki Pathniyata aur Paathkiyata ka Prashn' organized by Nav-unayan Literary Society at Arts Faculty, Delhi University.

**Dr. Smita Sahgal:** Presented a paper 'History A Science: Challenges in Communicating Scientific History', at the Second People's Education Congress Symposium on Science Education in India at JNU.

**Ms. Subi Chaturvedi:** Presented a paper, 'Tipping Point: Meet the New Media Teacher', at a Symposium on 'Challenges and Opportunities in Media Education in India', organized by IGNOU-UNESCO in November 2009. She also delivered an illustrated lecture on 'Cinema: A Mirror of Indian Society: Negotiating the Spaces Within - the Real and the Hyperreal' as part of the annual Multi-Media Workshop and Lecture Series by eminent artists for Lalit Kala Akademi, Lucknow.

**Ms. Uma Versha Kakar:** Attended the National Meet on History of Mathematical Sciences organized jointly by the Department of Mathematics, Delhi University, and Indian Society for History of Mathematics.

**Dr. S. Radha:** Attended a Symposium on 'The Madhyaniika Tradition' at IIC.

**Dr. Saroj Bharadwaj:** Presented a paper titled 'Srishti Evam Stithi according to Shrimad Bhagavat Purana' at XIII India Conference on Srishti Evam Sthiti: Indian Perspective organized by Wider Association for Vedic Studies in association with the Department of Sanskrit, South Campus.

**Dr Arvind Kumar:** Participated in an International Conference on Issues in Finance and Economic Development in Developing Countries during Globalisation Era organized by Shri Ram College of Commerce, Delhi University, and in 'Business Partnering Role of HR: A Strategic Shift' organized by NHRD Network Delhi Chapter at PHD Chamber of Commerce in November 2009. He also participated in 'Employee Engagement vs Industrial Relations' organized by NHRD Network Delhi Chapter at PHD Chamber of Commerce in December 2009 and in the Annual Global Conference on Entrepreneurship & Technology Innovation, organized by the Indian Institute of Technology Kanpur.

**Dr Jonaki B. Ghosh:** Delivered a talk 'Simulation of Problems in Probability' and conducted a Workshop on 'Using Handheld Devices for Teaching Mathematics' at the 3rd National Conference on Technology Innovations in Mathematics Education at IIT Powai, Mumbai, 4-6 December 2009.

## **Publications**

### **Books**

**Gopinath, M., Das Gupta, S. and Rajagopalan, S. (eds) 2010.** *Revisioning and Engendering South Asian Security*. Delhi: Rupa & Co.

**Khandelwal, K.A. 2009.** *In Search of Indianness: Cultures of Multinationals*. New Delhi: Kanishka Publishers.

**Madan, S. 2009.** *IT for Managers*. New Delhi: Mayur Paperbacks.

### **Research Articles in Books or Scholarly Journals**

**Cama, S. 2009.** 'Do we need a World Religion: The Zoroastrian Perspective'. In *Towards an Age of Spirituality*. Papers Presented at International Conference of Unity of Faiths 2009, Sri Sathya Sai International Centre for Human Values, New Delhi.

**Dhawan, P.S. 2010.** 'But....it's the weight..... I am fat' Body Dissatisfaction in Indian Female Adolescents'. In *Department of Mental Health and Social Psychology Souvenirs and Abstracts*, 2010 NIMHANS, Bangalore.

**Kalra, S. 2009.** 'Sanskriti and Popular Culture'. In *Bhasha Sahitya and Sanskriti*, (eds) Malti and Verma, V.K. Delhi: Orient Blackswan.

**Khandelwal, K.A. 2009.** 'Organisational Commitment in Multinationals: A Dynamic Interplay Among Personal, Organisational and Societal Factors'. *Asian School of Business Management Journal of Management*, II(1): 99-122.

**2009.** 'Effective Teaching in Higher Education: Research Trends and Implications'. *Journal of Psychosocial Research*, 3(2): 235-49.

**Madan, S. 2009.** 'Shielding Against SQL Injection Attacks Using ADMIRE Model' in the 1st International Conference on Computational Intelligence, Communication Systems and Networks, pp. 314-20 IEEE Explore Digital Library, DOI 10.1109/CICSYN.2009.58.

**2009.** 'Ameliorating Metaheuristics in Optimization Domains' in *Computer Modeling and Simulation*, 2009. EMS '09, Third UKSim European Symposium on 25-27 Nov. 2009, pp. 160-63, Athens Greece, DOI 10.1109/EMS.2009.

**Nanda, V. 2009.** 'Media ki Vishwasniyata'. In *Communication Today*, Jaipur University, Jaipur.

**2009.** 'Bin Shikshak Sab Soon'. In *Media*, Makhanlal Chaturvedi University of Journalism and Communications, Bhopal.

**Sahgal, S. 2009.** 'Reading Godharma: The Myth and its Possible Contents', in *Social Science Probings*, Vol. 21, June 2009.

**Singh, N. 2009.** 'Outward FDI and Knowledge Flows: A Study of the Indian Automotive Sector'. *International Journal of Institutions and Economics*, 1(1): 155-86.

**2010.** 'Adoption of Industry-Specific Quality Management System Standards: Determinants for Auto Component Firms in India'. *International Journal of Productivity and Quality Management*, 5(1): 88-107.

**2010.** 'Original Equipment Supply Chains and Auto Component Exports from India'. In Siddharthan, N.S. and Narayanan, K. (eds), *Indian and Chinese Enterprises: Global Trade, Technology and Investment Regimes*. London/New York/New Delhi: Routledge, Ch. 11, pp. 270-301.

## LADY IRWIN COLLEGE

### Major Activities

The students exchange programme was offered under Centre for Advanced Study (UGC) wherein post-graduate students of all the five areas of specialization visited Michigan State University's, Department of Human Ecology and Department of Agricultural Extension in June 2009.

### Library Development

118 journals were subscribed of which 103 journals of academic nature are published in India and overseas + 9 magazines + 7 newspapers. Amount spent on academic journals was ₹ 6,32,977- (which includes ₹ 68,437 from CAS/ UGC Grant).

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Kanika Aggarwal	B.Sc. Hons.	I
Saba Naqvi	B.Sc. Pass	I
Palak Gupta	M.Sc. Food & Nutrition	I
Shivali Ohri	M.Sc. RM&DA	I
Suchi Gaur	M.Sc. DC&E	I
Garima Sharma	M.Sc. Human Development	I
Harshita Chaudhari	M.Sc. Fabric & Apparel Science	I
Aditi Gupta	Diploma in DDPHN	I
Shreya Arora	B.Ed. Home Science	I
Shayna Bhalla	B.Ed M.R	I

### Honours/Distinctions

**Dr. Veenu Seth:** Nominated Task Force Member for NIFTEM (MOFPI) for Curriculum Development and Laboratory Infrastructure Development, April and June 2010.

Nominated Executive Member of Delhi Chapter of Indian Dietetic Association.

Nominated Executive Member of Delhi Chapter of Association of Food Scientists and Technologists.

**Dr. Kalyani Singh:** Member, Editorial Board, Indian Dietetic Association, Delhi Chapter. 2008-09.

### Seminars/Conferences held

The Kamla Puri Sabarwal Memorial lecture delivered by Dr. Sasikiran, Director, NIN, Hyderabad.

The Raushni Deshpande Memorial Lecture delivered by Dr. R.K. Pachauri, Chairperson, TERI and IPCC.



## **Seminars/Conferences attended**

**Dr. Veenu Seth:** Invited Speaker on 'Fundamentals of Dietary Counselling' during National Nutrition Week Seminar, organized by IDA Delhi Chapter and Dept. of Dietetics, AIIMS, New Delhi, Sept. 2009.

Invited Panelist for symposium on 'Nutrition Security for India-Issues and Way Forward', organized by INSA, New Delhi. Aug. 2009.

**Dr. Kalyani Singh and S. Sharma:** Oral presentation at 137th APHA Annual Meeting in Philadelphia, USA, on 'Homeless and runaway children in Delhi, India: Food procurement practices, nutrient intake, height and weight status', 7-11 November 2009.

Panelist and Reporter: 'Food and Nutrition Security' organized by INSA, 3-4 August 2009.

'Homeless children of Delhi, India-Right to food and nutrition security', XIX International Congress of Nutrition, Bangkok, Thailand, 2009.

'Ensuring food and nutrition security through Integrated Child Development Services initiative in Delhi', XIX International Congress of Nutrition, Bangkok, Thailand. 2009.

**Dr. Neerja Sharma and R.S. Sen:** 'Identity of the Indian adolescent girl', Paper presented at the 5th Annual Conference of the Indian Association for Family Therapy on Adolescents in India: Issues and interventions, New Delhi, 19 September 2009.

**Dr. Nandita Chaudhary:** 'Cultural situatedness of cognitive development and its study', Paper presented at the National Symposium on 'Culture and Cognition', Department of Psychology, Delhi University, 23-25 January 2010.

'Childhood in Indian families: Shared experiences and emerging personal cultures in a heterogeneous society', Paper presented at ESRC/ICSSR/NWO workshop on 'Childhood and adolescence: Developmental and educational perspectives', Department of Social and Developmental Psychology, University of Cambridge, England.

**Bhargava, P. and Chaudhary, N.** 'Appraisal and execution of self-other relations among rural and urban children' in Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology, IIT Delhi, December 2009.

**Chaudhary, N. and Kapoor, S.** 'Gender dynamics and growing up in urban Indian families' in Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology, IIT Delhi, December 2009.

**Chaudhary, N.** Symposium discussant: 'Researching plurality: Cultural diversity in Asian communities' in Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology, IIT Delhi, December 2009.

Symposium chair: 'Continuity and change in family dynamics: Contemporary challenges to culture and tradition of the urban Indian family' in Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology, IIT Delhi, December 2009.

**Shukla, S., Gupta, D. and Chaudhary, N.** 'Marked mother: A measure of recognition of 'others' by children', Poster presented at Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology. IIT Delhi, December 2009.

**Behl, U. and Chaudhary, N. 2009.** 'Indian children's understanding of verbal irony', Poster presented at Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology, IIT Delhi, December 2009.

**S. Kapoor and N. Chaudhary:** 'Socialisation for multiplicity: Growing up with many mothers' in Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology, IIT Delhi, December 2009.

**Pillai, P., Kapoor, S. and Chaudhary, N.** 'Many traditions, multiple truths: The development of children's moral perspectives on the everyday' in Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology, IIT Delhi, December 2009.

**Gupta, D. and Chaudhary, N. et. al.** 'Intra-cultural Variations in Mirror Self Recognition Among Young Indian Children', Poster presented at Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology, IIT Delhi, December 2009.

**Chaudhary, N.** 'Making sense of a cultural symbol: The interplay between collective reality and individual action' at Identity, multiculturalism and changing societies: Challenges for Social Psychology in and about Asia, International Conference of Asian Association for Social Psychology, IIT Delhi, December 2009.

**Dr. Priti Joshi:** Presented a Paper titled 'Constructivism in education' at the Titan School, Hosur, Tamilnadu, November 2009.

Presented a Paper titled 'Inclusive education and the classroom teacher' at the TVS Academy, Hosur, Tamilnadu.

**Ms. Punya Pillai:** 'Children's Understanding of Truth and Reality: Data from 10 year olds', National Level Symposium on 'Culture and Cognition: A Developmental Perspective', Department of Psychology, Delhi University, 23-25 January 2010.

'Many Traditions Multiple Truths: The Development of Children's Moral Perspectives on the Everyday', VIII Biennial Conference of Asian Association of Social Psychology in collaboration with IIT Delhi, 11-14 December 2009.

'Context and Processes of Infant Development: What we do (and don't) know about babies', IIT Delhi, May 2009.

**Dr. Sarita Anand and S. Gaur:** 'Prospects and Challenges of Institutionalized Community Radio' at International Rural Networks Conference, Development Dialogues and Dilemmas, Udaipur, India, August 2009.

'Incentive Based Schemes for the Girl Child: A Critique Under-Leveraging Resources for Gender and Development', at International Rural Networks Conference, Development Dialogues and Dilemmas at Udaipur, India, August 2009.

'Ensuring the survival of the girl child: An analysis of cash incentive schemes in Haryana', Home Science Biennial Conference, Kolkata, January 2010.

**E. Jenita and Anand, S.:** 'Impact of Self Help Groups (SGSY) on socio-economic status of Manipuri women weavers', Home Science Biennial Conference, Kolkata, January 2010.

**Gaur, R. and Anand, S.:** 'Cash Incentive schemes for the Girl Child in Haryana: A critique', Hyderabad, March 2010.

**Ms. Mani Bhasin Kalra:** 'Student Teachers' Thinking about Knowledge, Learning and Learners in India', at the London International Conference on Education (LICE-2009), Custom House, London, November 2009.

### **Special Grants/Assistance/Projects**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Development of literacy primers for adult learners.	Dr. Sarita Anand	Directorate of Adult Education, Ministry of HRD
Food sanitation and hygiene in food service	Dr. Veenu Seth	
units in registered hospitals of Srinagar.	Dr. Kalyani Singh	
Effect of company nutrition policy on the work performance of industrial workers.	Dr. Priti Rishi Lal	Jindal Steel and Power Company

### **Publications**

**Seth, V. and Singh, K. 2009.** *Diet Planning Through the life Cycle, Volume 2: Diet Therapy: A Practical Manual.* Elite Publishers.

**Rishi, P.Lal.** *Handbook of sports nutrition.* National Publication.

Mapping RDI for energy for Indian women hockey players, Diet bytes.

Four popular articles Fitness and nutrition.

Four Newspaper citations- fitness and nutrition columns.

**Sharma, N. (Chief ed). 2010.** *The Social Ecology of Disability*, Technical Series 3. Delhi: Academic Excellence.

**Sharma, N. and Kapadia, S. (eds) 2009.** *Human Ecology and Family Sciences* (NCERT Class XI textbook), New Delhi: NCERT.

**Sharma, N. (2009, 2004, 1999).** *Understanding Adolescence*. New Delhi: National Book Trust.

**2010.** 'Education for children with disability: Reflections on "best practices" to assimilate children in the mainstream'. In Sharma, N. (Chief ed.), *The Social Ecology of Disability*, Technical Series 3, Delhi: Academic Excellence, pp. 125-49.

**Sharma, N. (with M.Sc. Students). 2010.** 'Patterns of sleep in preschool children with special needs'. In N. Sharma (Chief ed.), *The Social Ecology of Disability*, Technical Series 3. Delhi: Academic Excellence, pp. 23-36.

**Sinha, P. and Sharma, N. 2010.** 'Significance of inclusive education for non-disabled adolescents'. In Sharma, N. (Chief ed.), *The Social Ecology of Disability*, Technical Series 3. Delhi: Academic Excellence, pp. 109-24.

**Sharma, N. 2009.** 'Play and young children with special needs'. In P. Mohite and L. Prochner (eds), *Early Childhood Care and Education: Theory and Practice*. New Delhi: Concept, pp. 53-94.

**Sharma, N. and Chaudhary, N. 2009.** 'Human Development: Contexts and Processes'. In Misra, G. (ed), *Psychology in India Vol.1: Basic Processes and Human Development*, ICSSR Survey of Advances in Research. Delhi: Pearson, pp. 69-109.

**Sharma, N. 2010.** 'Role of higher education in the education for children with disability'. *The Indian Journal of Home Science*, 28(1): 58-63.

**Sen, R.S. and Sharma, N. 2009.** 'Teacher preparation for creative teaching'. *Contemporary Education Dialogue*, 6(2, Spring): 157-92.

**Tuli, M. and Chaudhary, N. 2010.** Elective interdependence: Understanding individual agency and interpersonal relationships in Indian families. *Culture and Psychology*.

**Chaudhary, N. 2010.** 'Making sense of the *bindi*: Urban Indians' appraisal of a culturally valued symbol'. In Branco, A. and Valsiner, J. (eds), *Cultural Psychology of human values*.

**2009.** 'Peripheral lives, central meanings: Women and their place in Indian society'. In, A.C. Bastos, K. Uriko, and J. Valsiner (eds), *Cultural dynamics of women's lives*. Book series: *Mind, Culture and Development: Cultural Psychology Within World* (Vol. 1). Charlotte NC: Information Age.

- 2009.** Review of the *Handbook of Indian Psychology* by K.R. Rao, A.C. Paranjpe and A.K. Dalal, New Delhi: Cambridge University Press. *Journal of Cross Cultural Psychology*.
- 2009.** 'Families and children in poverty: Objective definitions, subjective lives'. In Bastos, A.C. and Rabinovich, E.P. (eds), *Living in Poverty: Developmental Poetics of Cultural Lives*. Charlotte, NC: Information Age.
- Chaudhary, N. and Pillai, P. 2009.** 'How infants know minds: A book review'. *Psychological Studies*, 54(2).
- Chaudhary, N. 2009.** 'A scholar in search of an imaginary audience: An interview with Dr. S. Anandalakshmy'. *Psychological Studies*, 54(2).
- 2009.** 'Social dynamics in complex family contexts and its study'. In J. Valsiner, C.M. Molenaar, M.C.D.P. Lyra and N. Chaudhary (eds), *Dynamic Process Methodology in the Social and Developmental Sciences*. Springer Books.
- Anand, S. 2009.** Coping with Osteoarthritis: Quality of Life of Elderly Women in Old Age Homes and Families, Technical Series 3.
- 2009.** Preventing Disability: Role of Pulse Polio campaign, Technical Series 3.
- 2009.** IGNOU, School of Health Sciences; Preventive MCH, Adolescent health (Unit 23).
- 2009.** NCERT, Written Chapters for Class XI and Class XII text book for Human Ecology.
- 2010.** 'Community Radio for Sustainable Development', in *Extension Strategies for Agriculture and Rural Development*, (ed) Ashok. K. Singh. New Delhi: Daya Publications, ISBN: 81-7035-641-5.
- 2009.** 'Prospects and Challenges of Institutional Community Radio', Communication Initiative Website, September 2009.
- Kalra, M.B. and Baveja, B. 2010.** 'Student Teachers' Thinking about Knowledge, Learning and Learners in India, University of Delhi', *LICE Education Journal LICEJ*, Vol. 1, Issue 1, March.

## MAULANA AZAD INSTITUTE OF DENTAL SCIENCES

### Major Activities

The Maulana Azad Institute of Dental Sciences is a Centre of Excellence and the only tertiary Care Dental Centre catering to an immense diversity of patients. In the year 2009-10 the Institute has catered to more than 2.3 lakh patients. The Institute has been now recognized and accredited as a Nodal Centre for all dental health services to be provided during the Commonwealth Games 2010. An assortment of patient education booths were instituted which included posters, demonstration and working models. The event also showcased an array of cultural and scientific deliberations. The Institute is working

unremittingly towards becoming the first dental college and hospital in India to be accredited by National Accreditation Board for Hospitals and Health Care Provider. The Institute has collaborated with Indira Gandhi National Open University and Dental Council of India to undertake Postgraduate Certificate Courses in 'Fundamental Implantology and Advanced Implantology and Endodontics, and designated as National Study Centre. The Institute has strengthened its laboratory services by acquiring fully automated Biochemistry analyzer and Haematology analyzers and has screened about 775 patients. The total numbers of patients screened and referred in community based dental programmes to the Institute during this year was 2640. A new Peripheral Dental Centre was adopted in February 2010 at Government Tibbia Medical College Hospital, Karol Bagh, where the trainees are posted every Tuesday to cater to an average of 15-20 out patients per visit. The Mobile Dental Clinic is getting revamped with modern amenities so as to expand and strengthen its Community Dental Services to cater to and serve the needy in far flung areas.

### ***Research Schemes and other Projects***

Research project titled 'Designing and manufacture of indigenous dental implants' under the New Millennium Indian Technology Leadership Initiative (NMITLI) funded by CSIR. *Investigators:* Dr. Mahesh Verma, Dr. Farrukh Faraz, Dr. Abhinav Sood, Dr. Sumit Dubey.

### **New Additions**

Dr. Pankaj Sharma - Dr. Vikrant Ranjan

### **Honours/Distinctions**

**Dr. Tulika Tripathi:** Awarded Certification in Incognito Lingual Orthodontics- Hands-on Workshop.

**Dr. Sunita Gupta:** Awarded the Indo-Hungarian Fellowship for Management of Oral Cancer and Precancerous Lesion and Molecular Biology.

### **Seminars/Conferences attended**

**Dr. Tulika Tripathi, Dr. Priyank Rai and Dr. Rohit Chopra:** Attended and presented a scientific paper at the VII International Orthodontic Congress held in Sydney, Australia, February 2010.

**Dr. Shruti Tandon:** Attended and presented a scientific paper at the National Conference of Periodontology organized by ISP at Dharwad, December 2009.

Attended a workshop on 'Diode Lasers', at New Delhi, July 2009.

**Dr. Priya Kumar and Dr. Augustine:** Attended XLIII National Conference of IAOMP at New Delhi, November 2009.

**Dr. Zainab Chowdhary:** Attended XIV National Workshop on 'Current Affairs on Maxillofacial Surgery', January 2009.

## **Publications**

**Verma, M. 2009.** 'Oral Conditions in Elderly', in *Textbook of Geriatric Medicine* (1st edn) by O.P. Sharma.

**2009.** *Rational Evaluation and Scope of Dental Implants*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Anatomy and Physiology Applied to Implant Dentistry*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Biomaterials and Osseointegration*. Module 1, SOHS, (1st edn). Delhi IGNOU.

**Talwar, S. 2009.** 'Dental conditions', in *Standard Treatment Guidelines: A manual for Medical Therapeutics*. Published by National Institute of Immunology in collaboration with WHO-Indian, (3rd edn). Programme on Essential Drugs.

**2009.** *Objectives and Principles of Biomechanical Preparation*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Root canal instrumentation*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**Lamba, A.K. 2009.** *Fundamentals of Implantology*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Infection Control and Operating Room Protocol*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Practical Manual*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Diagnosis- Basic Implant Surgery*, Module 3, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Radiographic Techniques and their use in Implantology*, Module 1, SOHS, (1<sup>st</sup> edn). Delhi: IGNOU.

**2009.** *Stage 1 Implant Surgery: Basic Implant Surgery*, Module 5, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Implants in Aesthetic Zone -Bone Augmentation*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Alternate Implant Design and Uses- Advanced Surgical Implantology*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Advanced Surgical Implantology- Latest Advances in Implant Dentistry*, Module 6, SOHS, (1st edn). Delhi: IGNOU.

**Faraz, F. 2009.** *Suturing Techniques: Practicals of Oral Implantology*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**2009.** *Surgical Kit for Implant Surgery: Practicals of Oral Implantology*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

**Chaudhary, S. 2009.** *Management of Atypical Canals*, Module 1, SOHS, (1st edn). Delhi: IGNOU.

### **Research Articles International Journals**

**Verma, M.** 'Resin Cements in Prosthodontics'. *Famdent*, 8(3).

Regularly contributes to a column in the Monthly Publication *Famdent*- 'Tips & Tricks in Prosthodontics'.

**Verma, M. and Roongta, R. Nawal. 2009.** 'How ethical is marketing in dental practice'. *Journal of International College of Dentists*, 54 (3).

**Talwar, S., Roongta, R. Nawal and Verma, M. 2009.** 'Management of mercury waste in dental practice'. *Journal of Pierre Fauchard Academy*, 23(5, Sep): 107-14.

**Tripathi, T. 2009.** 'Clinical Evaluation of Newly Designed Orthodontic Toothbrush-A clinical Study'. *Jour. of Int. Clinical Dent Res.*, 1(2), May--Aug.

**Tandon, S., Tandon, O.P., I.D'Silva and Kaur, A. 2009.** 'Association of Periodontal Disease with ABO Blood Groups'. *Biomedicine*, 29 (2): 154-58.

**Faraz, F., Lamba, Kaur, A., Verma, M., Munjal, A. and Tandon, S. 2009.** 'Bisphosphonates Induced Osteonecrosis: A wake up call for Dentists and Physicians'. *Biomedicine*, 29 (2): 100-4.

**Mohanty, S. and Jhamb, A. 2009.** 'Central giant cell lesion of mandible -Management by intralesional triamcinalone injections: A report of two cases and lit review'. *Journal of Oral Med, Oral Pathol, Oral Cirbucal*, 14 (2): 98-102.

**Jhamb, A., Dolas, R., Pandilwar, P. and Mohanty, S. 2009.** 'Comparative Efficacy of Spiral Computed Tomography and Orthopantomography in Preoperative Detection of Relation of Inferior Alveolar Neurovascular Bundle to the Impacted Mandibular Third molar'. *J J Oral Maxillofac Surg*, 67: 58-66.

**Roongta, R. Nawal, Sehgal, R., Ansari, I., Sangeeta Talwar, S., Sood, A. and Verma, M. 2009.** 'Endodontic management of horizontally placed molars after gunshot injury to mandible: a case report'. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontics*, 108(5, Nov): e82-e88.

**Gupta, R., Deepanjali, S., Thabah, M. and Gupta, S. 2009.** 'Successful twin pregnancy while on cyclophosphamide therapy in a patient with lupus nephritis'. *Rheumatol Int.*

**Dr. Anup kanase Skeletal. 2010.** 'Change using SUS appliance: a case report'. *Compendium of Scientific Deliberations*, Vol. 1.



- Mohanty, S. 2009.** 'A technique for functional and aesthetic reconstruction of the oral commissure and buccal mucosa'. *Int. J. Oral Maxillofac Surg.*
- 2009.** 'A chronicle of Tessier no. 0 & 1 facial cleft and its surgical management'. *J. Maxillofac. Oral Surg*, 8(2): 178-80.
- Chaudhary, S., Talwar, S. and Verma, M. 2010.** 'The application of cone Beam CT in management of radix entomolaris cases'. *Journal of International College of Dentists.*
- Sriram, K.** 'A case report of two cases of mucormycosis encountered in our department of oral and maxillofacial surgery'. *Journal of Clinical Dentistry.*
- Lamba, Kaur, A. 2009.** 'Correlation of glucose level among venous, gingival & finger prick blood samples in diabetic patients'. *Journal of Indian Society of Periodontology.*
- Kumar, A., Grewal, H. and Verma, M. 2009.** 'Dental lamina cyst of new born: A case report'. *J. Indian Society of Pedodontics and Preventive Dentistry*, 26(4): 175-76.
- Gupta, S.** 'Prevalence and clinical significance of anti-cyclic citrullinated peptide antibodies in Juvenile idiopathic arthritis'. *Indian Journal of Paediatrics.*
- Sharma, P. 2009.** 'Intraosseous neurofibroma of maxilla in child'. *J. Indian Soc Pedod Prevent Dent*, 27(1), Jan.-March.

## MAHARSHI VALMIKI COLLEGE OF EDUCATION

### Major Activities

The year 2009-10 marked the celebration of a new future in terms of enrichment of the Constitutional values of equality, human unity and secularism. The College organized three different seminars for students of NCR educators and scholars from different disciplines. It also arranged special lecture-cum-discussion on 'Change of Nature-Knowing oneself' by renowned medical psycho practitioner Prof. R.K. Bijlani. The Symposium on 'Human Unity: Interfaith Dialogue' was marked by vibrant voices of different activities and scholars who wish and aspire to see future Indian society as 'One living and growing organism'. Among those who spoke from different perspectives were Maulana Wahiddudin Saheb, Prof. I.N. Choudhari, Dr. Mohinder Singh, Dr. A.K. Merchant, Dr. Soumitra Basu and many more. An exhibition was also organized on this day in the CIE Hall.

The second event was a seminar on 'Education for Peace and Harmony' which was jointly hosted by the College and Delhi Minorities Commission in the A.N. Basu Auditorium of Delhi University. On this occasion, there were eminent speakers – Dr. Sohail Hashami, Prof. Kittu Raddy (Pondicherry), Dr. Anil Sethi, Dr. Deepti Priya, Prof. Daya Pant (NCERT), Dr. Aarti Srivastava (NUPA) and Mr. Pushpinder Singh. There were discussions on different approaches to deal with problems of disharmony and division from the point of view of Education.

The Right to Education bill has brought joy to many and we all think strongly that education will be able to reach all those who were in the past deprived of it and there would be 100% educated masses for growth of India. A seminar to this effect, 'Right to Education: Treading the path towards equality', was organized for scholars, students and teacher educators.

A symposium on 'Human Unity: Interfaith Dialogue' was held at the Basu Memorial Auditorium, Delhi University, on 6 February 2010.

A Seminar on 'Education for Peace and Harmony' was organized by the College in collaboration with Delhi Minorities Commission, GNCT, Delhi, at the Basu Memorial Auditorium, Delhi University, on 6 March 2010.

A Seminar on 'Right to Education Act 2009: Treading the path of Equality' was held at MVCOE, on 20 March 2010.

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Preetpal Ahuja	B.Ed.	II
Svati Gulati	B.Ed.	III

### **Library Development**

Total Budget	:	₹ 3,50,000
Books added	:	263
Journals subscribed	:	16

### **Seminars/Conferences held**

Symposium on 'Human Unity: Interfaith Dialogue' held at A.N. Basu Memorial Auditorium, Delhi University, 6 February 2010.

Seminar on 'Education for Peace and Harmony' organized by the College in collaboration with Delhi Minorities Commission, GNCT, Delhi, held at the A.N. Basu Memorial Auditorium, Delhi University.

Seminar on 'Right to Education Act 2009: Treading the path to Equality', MVCOE, 20 March 2010.

**P. Kulkarni:** EDGE-2010 Conference of the Principals held at India Habitat Centre, New Delhi.

Paper for centennial celebration of Sri Aurobindo's arrival at Pondy- 'Integral Education – The future of India'.

Seminar on 'Sri Aurobindo's Contribution towards Global, Spiritual World' at Pondicherry.

Attended three-day course on Academic, Administration and Management organized by Institute of Life Long Learning, Delhi University.

National Convention on promotion of Value Education at Sathya Sai Institute and International Centre for Human Values.

Youth Camp for Self Mastery, Sri Aurobindo Society, Noida.

Member expert group on the development of Resource book on Emerging Prospective of Teacher Education at NCERT.

National Convention on 'The Future of India – Sri Aurobindo's perspective'.

Workshop on 'Six Thinking Hats' held at Ahlcon International School, Mayur Vihar, Delhi.

Attended National Workshop at Institute for Integral Yoga Psychology, Mirravision Trust, Kolkata.

Presented paper on 'Integral Education vis a vis National Education'.

**P.K. Sharma:** National Seminar organized by Army Institution of Education, Delhi Cantt., on 'Right to Education: Issues and Challenges'.

Undertaken Comparative Documents Analysis of the Mathematics Curricular of the International Baccalaureate Organisation (IBO) for pre University diploma course and the Central Board of Secondary Education and Council for Indian School Certificate Examination Course as a part of the project commissioned by International Baccalaureate Organisation (IBO), Geneva.

**S. Dhiman:** Seminar on 'Patterns of Emotionality in Children – Issues and Challenges' held at RBS College of Education, Rewari.

Presented paper on the topic 'Education of Emotion' (ICSSR sponsored National Seminar).

**Dr. Manjari Gopal:** Presented a paper on 'Reality bites Psychology practicum' at National Seminar on 'Re-thinking Secondary Teacher Education' at Vidya Bhawan GS Teachers College, Udaipur.

**Dr. Jyoti Kohli:** Presented a paper 'Developing Life Skill Approach to Education' at UGC sponsored National Seminar on 'Re-thinking Secondary Teacher Education' at Vidya Bhawan GS Teachers College, Udaipur.

**Dr. Ila Mehrotra:** Participated in Workshop organized by the Deptt. of Educational Measurements and Evaluation, NCERT, to develop test items for terminal achievement survey.

Workshop organized by Department of Education on 'Science and Mathematics', NCERT.

**Ms. Minu Talwar:** Workshop organized by the Deptt. of Educational Measurements and Evaluation, NCERT to develop test items for terminal achievement survey.

Workshop organized by the Deptt. of Education in Science and Mathematics, NCERT.

**Dr. Gopal Rana:** Workshop on 'Item Writing of Terminal Achievement Survey (TAS) for Sarva Shisha a Abhiyan (SSA)' organized by the Deptt. of Educational Measurement and Evaluation, NCERT, New Delhi.

**Dr. Ramjee Dubey:** Paper presented on 'Education and Equal Opportunity' at a Seminar held in the Deptt. of Education, Delhi University.

**Mr. Raghvendra Prapanna:** Attended a three-day Workshop on revision of textbook in Sanskrit for Class VII (NCERT) at Rashtriya Sanskrit Sansthan, New Delhi.

**Dr. Vandana Gupta:** Attended Seminar and exhibition of India Lab. Expo, 2010.

**Dr. Kailash Goel:** Attended a National Seminar organized by Maharaja Agrasen College, Delhi University, in collaboration with the University Grant Commission.

**Dr. Satveer S. Barwal:** Attended a Seminar on Implementation of Provision of the Right to Information Act-2005', Delhi University.

## MAITREYI COLLEGE

### Major Activities

Maitreyi College hosted a visit of students from the University of Birmingham, UK, for cultural and educational interaction under the UKIERI-Study India Programme from 8-10 September 2009. The College also hosted a Workshop titled 'Use of E-Resources and WWW in Teaching and Research' organized by the Delhi University Library System, Delhi University, on 15 September 2009. The Principal, along with 24 students, were invited by the Honourable Vice President of India who is also Chancellor of Delhi University for an interaction on 24 November 2009. The College conducted the 1st Capacity Building Workshop in ICT Skills for its faculty members from 1-12 December 2009 followed by the second Workshop from 22-24 December 2009.

In a special effort to improve the infrastructure in the College, disabled friendly ramps and pathways have been constructed and a new range of software has been made available for the visually impaired. A special eco-friendly Bamboo Room dedicated to the students was inaugurated by the Honourable Vice-Chancellor of Delhi University, Prof. Deepak Pental.

Maitreyi College takes great pride in being one of the two colleges of Delhi University to have received the distinction of a College possessing the potential of fulfilling the goals of the Department of Biotechnology (DBT), Government of India, in the direction of 'Strengthening Life Sciences and Biotechnology Education and Training at the Undergraduate Level'.

### New Courses/Subjects Introduced

Postgraduate Diploma in Nanotechnology

## **Special Grants/Assistance /Projects**

### **Awarded to the College**

₹ 28 Lakh has been awarded to the College under the Star College scheme from the Department of Biotechnology, Govt. of India.

### **Library Development**

Total Budget	:	₹ 10,54,549.00
Books added	:	1,743
Journals subscribed	:	78

### **New Additions**

Dr. Meena Yadav	-	Zoology
Ms. Shaifali	-	Commerce
Ms. Jyotsna	-	Commerce
Ms. Sonal Babbar	-	Commerce
Mr. Promod Kumar	-	Sanskrit

### **Appointments to the faculty members to higher Posts/Assignments**

**Dr. Savita Datta:** Represented the Honourable Vice-Chancellor, Delhi University, on the occasion of 12th Convocation of Sherubtse College (affiliated to University of Delhi) on 22 October 2009 at Bhutan and delivered the convocation address.

### **Honours /Distinctions**

**Dr. Shashi Tiwari:** Awarded 'Vishishta Puraskar' by the UP Sanskrit Sansthan, Lucknow, for her outstanding contribution in the field of Sanskrit literature and research.

**Dr. Shobha Narain:** Awarded for her story 'Ghar-Beghar' written in Hindi as the Best Story of the year 2009 from the Rajasthan Patrika group of newspapers.

**Dr. Harcharan Kaur:** Selected by the Punjabi Academy, Delhi, for 'Punjabi Bhasha Sewa Sanman'. year.

**Ms. Raj Lakshmi and Dr. Versha Goel:** Honoured with 'Distinguished Teacher Award' by Delhi University. They received the award from the former President of India, Dr. A.P.J. Abdul Kalam on the occasion of Teacher's Day.

### **Seminars/Conference held**

The College successfully organized and hosted a UGC sponsored National Workshop on 'Quality Assurance through Blended Learning', 19-21 January 2010.

The present National Workshop was organized to acquaint teachers with the mechanism of quality assurance and to enhance capacity in the present context of higher education. The Workshop aimed at providing a platform to understand the importance of Blended

Learning for enhancing the effectiveness of teaching as well as adding quality to it. This Workshop will help teachers to design online courses and assignments using different interactive techniques that will ensure uniformity and quality in delivering e-content.

A special session was dedicated to the needs of the print-disabled. Dr. Anil Aneja addressed some key issues like new technological tools to enable print disabled persons in a special session.

### **Seminars/Conference attended**

**Dr. Savita Datta:** Presented a paper titled 'E-learning and b-learning – Initiatives at Delhi University' in the VI International Conference on Remote Engineering and Virtual Instrumentation held in the University of Bridgeport, USA, 22-25 June 2009.

Participated in a Curriculum Design Workshop at Edinburgh's Telford College, UK, 25-31 October 2009.

Organized a Project Design Workshop in association with Edinburgh's Telford College at Delhi University under the PTS Strand of UKIERI, 21-23 September 2009.

Organized a Workshop on 'Web Design and Interactive Media' in association with Edinburgh's Telford College at Delhi University, 27-29 January 2010.

Organized a Workshop and Seminar on 'Quality – Principles' in collaboration with the Open University, UK, under the UKIERI programme, 8-12 March 2010.

Convened a National Workshop on 'Quality Assurance through Blended Learning' in the College.

Participated in the CII National Conference on Education – 2009 organized by the Confederation of Indian Industries, 21 April 2009.

**Dr. Mala Kapur Shankardass:** Chaired and delivered an Address at the Special Session of the International Network for Prevention of Elder Abuse at the International Conference of the International Association of Gerontology and Geriatrics held in Paris, August 2009.

Chaired health care symposia on 'Towards the Well Being of 50+' organized by Rotary Club of Delhi Safdarjung and National Cancer Society in association with International Network for Prevention of Elder Abuse and Development, Welfare and Research Foundation, 14 June 2009.

Nominated as Chair for Asia of the International Network for Prevention of Elder Abuse, an International NGO in Consultative Status with the UN and working in 58 countries.

Delivered an Address at the National Workshop on 'Standardized Guidelines for Health Care of Elderly in Old Age Homes' organized by the Department of Social Sciences, National Institute of Health and Family Welfare, 22-23 October 2009.

Presented a Paper titled 'Blended Learning Relevance to Social Sciences' at the National Workshop on 'Quality Assurance Through Blended Learning' organized by Maitreyi College, 19-21 January 2010.

Participated in the National Consultation on the Draft National Health Bill, 2009 organized by Oxfam and Centre for Legislative Research Analysis, 28-29 January 2010.

Invited to Chair a Session and present a paper titled 'Ageing and Health Policy: Impact of Globalization' at VII Conference of the Indian Association for Social Sciences and Health held at Varanasi, 5-7 March 2010.

Invited to Chair a Session and Deliver the Keynote Address on 'Ageing, health and development- A critical appraisal' at the UGC National Seminar on 'Health Inequities and Developmental Challenges' organized by the Department of Sociology, Karnatak University, Dharwad, 12-13 March 2010.

**Dr. Shashi Tiwari:** Organized the XIII India Conference with international participation on the theme 'Creation and Existence: Indian Perspective' at South Campus, University of Delhi, New Delhi, 24-26 December 2009.

Presented a paper on 'Practice of Management and Vedic Wisdom' at International Sanskrit Conference organized by the Sanskrit Department, Rajasthan University, Jaipur, 18-20 July 2009.

Attended and chaired a session of World Vedic Conference organized by Gurukul Kangari University at Haridwar, 20-21 November 2009.

Presented a paper on 'The Vegetarian Food in the Rigveda'. She participated and presented a paper in the International Conference held at JNU, Delhi, 9-10 January 2010 and presented a paper on 'Origin of Environmental Sciences from Vedas'.

**Mrs. Veena Ghuriani:** Presented a research paper titled 'Reviewing the EXPRESSION tool-kit' in the Multidisciplinary International Conference on Emerging Issues and Global Economic Scenario organized by Aishwarya Education Society, Udaipur, Rajasthan, 21-24 August 2009.

**Ms. Sonal Babbar:** Participated in the International Conference on Issues in Finance and Economic Development in Developing Countries during Globalization Era organized by Sri Ram College of Commerce, Delhi University, November 2009.

**Dr. Swapna Ray Jain:** Participated in the National Workshop on 'Recent Trends in Semiconductor Devices and Technology' organized by Deen Dayal Upadhyay College and IEEE EDS Delhi Chapter, New Delhi, 12-13 February 2010.

**Dr. Sadhana Pandey, Dr. Kiran Sehrawat, Dr. Ritu Dhingra, Dr. Shalini Lumb and Dr. Swapna Ray Jain:** Participated in a National Workshop on 'Photonics' at Dyal Singh College, Delhi University, 27 October 2009.

**Dr. Sadhana Pandey, Dr. Shalini Lumb and Dr. Swapna Ray Jain:** Attended the 2nd National Workshop on 'Einstein and Special Theory of Relativity' organized by IEEE EDS Delhi Chapter, Department of Electronic Science, Delhi University, South Campus, and Aryabhata Science Forum, DDU College, Delhi University, at DDU College, 7 November 2009.

**Dr. Kiran Sehrawat, Dr. Shalini Lumb and Dr. Swapna Ray Jain:** Attended the National Workshop on 'Fiber Optics and Application' held in S.P. Jain Centre, University of Delhi, South Campus, 28-29 November 2009.

**Dr. Kiran Sehrawat, Dr. Shalini Lumb, Dr. Swapna Ray Jain and R. Bhuvaneswari:** Attended a Public Lecture by Prof. Umesh K. Mishra, University of California, Santa Barbara, on 'Gallium Nitride: An Amazing Semiconductor with a Breadth of Applications' organized by Delhi University under the University Lecture Series at the University Convention Hall (Vice-Chancellor's Office), 14 December 2009. Adobe Fireworks.

**Dr. Kiran Sehrawat:** Presented a paper in the India-Japan Workshop on 'Biomolecular Electronics and Organic Nanotechnology for Environment Preservation IJWBME 2009' held at National Physical Laboratory, New Delhi, 17-20 December 2009.

**Dr. Sandhya Gupta, Lt. Dr. Padma Saxena and Dr. Manju Mehta:** Participated in a National Symposium on 'Challenging Areas of Forensic Science', SGTB Khalsa College, Delhi University.

**Dr. Renu Gupta and Dr. Meena Yadav:** Attended a National Symposium on 'Molecular Cell Biology' organized by Shivaji College. All faculty members of the Zoology Department attended the three-day National Workshop on 'Quality Assurance through Blended Learning' organized by Maitreyi College and sponsored by UGC.

**Ms. Sonal Babbar:** Attended a National Seminar on 'Contemporary Issues in Company Law' organized by Shaheed Bhagat Singh College, Delhi University, December 2009.

### **Publications**

**Shankardass, M.K.** 'Building Emergency Response to Detection, Prevention and Management of Elder Abuse', *The Journal of General Medicine*, 21(4), October-December 2009.

2010. Editorial on 'Ageing Studies', *Help Age Research and Development Journal*, 16(1).

2010. 'Elder Abuse and Adult Protection' in, Shanthi Johnson (ed.) *Health and Ageing in the World's Largest Democracy*. Canada: Nova Science.

**Rani, N. 2009.** 'Lattice Dynamical Investigation of the Raman and Infrared frequencies of the  $Dy_2Ti_2O_7$  pyrochlore spin-ice compound', *Journal of Molecular Structure*, 937: 136.

2010. 'Lattice Dynamical Investigation of the Raman and Infrared wavenumbers of  $Ba_2RESbO_6$  (RE = Sn, Y)'. *Physica B*, 405: 410.



## MOTILAL NEHRU COLLEGE

### Major Activities

The College continued with its glorious tradition of holding the Annual Motilal Nehru Lecture Series where eminent personalities in their respective fields are invited to speak. The Annual Lecture Series and the Foundation Day are celebrated on the same day.

### Library Development

Books added : 887  
Journals subscribed : 96

### Honours/Distinctions

**Dr. Ramesh Sharma:** Awarded Dwivageesh Award by Bhartiya Anuvad Parishad.

Awarded Smt. Ratan Sharma Smriti Bal Sahitya Purashakar.

### Seminars/Conferences attended

**Dr. Ramesh Sharma:** Participated in a Conference and Workshop organized by EDGE-2010 at India Habitat Centre, New Delhi, 3-5 March 2010.

Participated and presented poem 'National Academi of Letters' on the invitation of Sahitya Akademi, Ministry of HRD, New Delhi at Jaipur, 24 October 2009.

Participated in a UGC Workshop on 'Managing RTI in Educational Institutions' organized by Jamia Millia University, 10-11 February 2010.

**Dr. Paramita Ghosh:** Attended a National Symposium on 'Chemistry in Biology: The future of life Science' organized by AND College at IIC, New Delhi, 12-13 February 2010.

**Dr. Kanta Khurana, Mrs. Preeti Upreti and Mrs. Ritu Kathuria:** Attended a National Meet on History of Mathematical Sciences at Conference Centre, Delhi University, 7-9 January 2010.

**Dr. Vipul Singh:** Attended an International Conference on Climate Change at Gwalior. His Article on Interlinking Rivers was published by *Social Enquiry* (Journal).

Presented a paper on Social Sciences in an International Conference at Hawaii, USA.

**Dr. Swati Agrawal:** Attended International Conference on Polymer Science and Technology: Vision and Scenario at New Delhi, 17-20 December 2009.

**Dr. Yogesh Kumar Gupta:** Presented a paper in an International Studies Association SI Annual Convention at USA, February 2010.

China as Factor in the Neuclearisation of South Asia.

Rise of China and India Prospects and International Implementations.

**Dr. B.K. Jain:** Presented a paper 'Other side of the Outreach', in a Conference on Institutional and Technological Environment for Microfinance at India Habitat Centre, New Delhi, 7-8 January 2010.

Presented a paper titled 'Microfinance and the Poorest', in 1st European Research Conference on Microfinance at Centre for European Research in Microfinance, Brussels, Belgium, 2-4 June 2009.

**Dr. Chandan Singh Karki and Mrs. Kanchan Saini:** Attended an International Conference on Issues in Finance and Economic Development in developing Countries during Globalisation Era, organized by Sri Ram College of Commerce, 6-7 November 2009.

**Dr. Chandan Singh Karki:** Attended National Seminar on 'Corporate laws: Contemporary Issues', organized by SBS College, 4-5 December 2009.

National Seminar on 'Contemporary Issues in Management', organized by SGTB Khalsa College, 23 February 2010.

**Dr. Vandana Mishra:** Participated in National Seminar and Workshop on 'Integrating Multiple Technologies to support Teaching and Learning', organized by MAC and Institute of Informatics and Communication, Delhi University, 24-26 September 2009.

**Dr. Kaushalya Kaushal Panwar:** Participated in International Seminar on 'Science and Technology in Ancient Indian Texts', organized by Special Centre for Sanskrit Studies, JNU, and Centre for India Studies, University of Massachusetts, Dartmouth, USA, 9-10 January 2010.

Participated in National Seminar on 'Sanskrit Bhasha Avem Adhunik Bhartiya Bhashaen' at Kalindi College, 18-19 February 2010.

Presented a paper at the National Seminar on 'Relevance of Sanskrit in Globalization' at Lakshmi Bai College, 4-5 March 2010.

Participated in a National Seminar on 'Bharat ki Bhasha Samasya aur Mahatma Gandhi' at Motilal Nehru College, 24 February 2010.

### **Publications**

**Sharma, R. 2009.** Gehoon Ghar Aaya Hai.

**2009.** Jadui Bansuri Aur Anya Koreayee Kathain.

**Singhal, D.** A common fixed point theorem in PM spaces.

A common fixed point theorem in symmetric spaces.

**Singh, V.** *Interpreting Medieval India*. New Delhi: Macmillan India.

**Agarwal, S.** 'Theoretical Studies on Model Type-II staggered conducting triblock superlattices', *Indian Journal of Chemistry*, Vol. 49A, February 2010.

## MOTILAL NEHRU COLLEGE (EVENING)

### Library Development

Total Budget	:	₹ 384978.00
Books added	:	1,070
Journals subscribed	:	20

### New Additions

Shri Pintu Kumar - History

### Honours/Distinctions

**Shri Prahlad Kumar Bhairwa:** Awarded Prof. Daleep Singh Endowment Bursaries, Year 2009-10.

### Seminars/Conferences attended

**Shri Prahlad Kumar Bhairwa:** Presented a paper on 'Local Government and Empowerment of the Peoples in South Africa', International Seminar organized by Centre for West Asian and Sub-Saharan Studies, JNU, New Delhi, 11-12 November 2009.

Presented a paper on 'Local Government: Political Cooperation in India and South Africa', National Seminar organized by the Department of African Studies, Delhi University, 25 February 2010.

Lecture delivered on 'Experiences on Functioning of Third-tier Federalism in South Africa: A case Study', organized by the Department of African Studies, Delhi University, 3 February 2010.

### Publications

**Bairwa, P.K. 2010.** 'Local Government: Political Cooperation in India and South Africa'. In *India-Africa Development Cooperation: Past, Present and Future Vision* (ed. proceeding of the National Conference, pp. 20-30 Department of African Studies, University of Delhi, 25 February 2010.

**Kaushik, R. 2009.** *Smarta Dharma Aur Tulsi Ka Kavya*, (1st edn). New Delhi: Sanjay Prakashan.

**Kumar, P. 2010.** 'Cultural Life at Nalanda University'. *The Icfai University Journal of History and Cultural*.

## MIRANDA HOUSE

### Major Activities

Miranda House strengthened its national and international standing in the year 2009-2010. As the Fulbright New Century Scholar, the Principal Dr. Pratibha Jolly got an opportunity to work with an international team of 35 scholars from 23 countries and deliver several talks across the globe. This led to several new opportunities for the college. Dr. Pratibha Jolly and Dr. Mallika Verma spent two weeks at CERN, Geneva, exploring a potential collaborative programme at Miranda House. The College forged ties with University of Peradeniya and University of Kelaniya, Sir Lanka. A Faculty-student team from Utrecht Business School came in October 2009 to participate in the Indo-Dutch collaborative programme on Management and Cultural contexts, the second in the series.

Faculty research programmes garnered new grants of nearly Rs. 75 lakh. The D S Kothari Centre for Research and Innovation in Science Education organized several innovative programmes and procured equipment worth nearly Rs. 1 crore and books worth Rs. 15 lakh.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Ekta Goel	B.A. (Hons.) Hindi	I
Ms. Parvin Sultana	B.A. (Hons.) Political Science	I
Ms. Nayyara Tabassum	B.A. (Hons.) Sociology	I
Ms. Mamta Khatun	B.A. (Hons.) Bengali	I
Ms. Radhika Bhati	B.A. (Hons.) Sociology	II
Ms. Deepti Singhal	B.Sc. App. Phys. Sc.	II
Ms. Nupur Mittal	B.A. (Hons.) English	III
Ms. Smita Mugdha	B.A. (Hons.) Hindi	III
Ms. Anamika Asthana	B.A. (Hons.) Political Science	III
Ms. Meha Thakre	B.A. (Hons.) Sociology	III
Ms. Panu Sharma	B.A. (Hons.) Philosophy	III
Ms. Rajeswary	M.A. Music	II
Ms. Rani Kumari	M.A. Mathematics	II
Ms. Ankita Sehrawat	M.Sc. Botany	II
Ms. Radhika Warikoo	M.Sc. Zoology	II
Ms. Bindu Chauhan	M.A. Hindi	III
Ms. Chavi Mittal	M.A. Philosophy	III
Ms. Bhawna Dhingra	M.Sc. Physics	III
Ms. Tripti Kumari	M.Sc. Chemistry	III

### Special Grants/Assistance/Projects

#### Awarded to the College

UGC Grant: ₹ 22.258 crore; Special Grant for OBC Category: ₹ 9.97 crore; Special Grant under Commonwealth Games from UGC: ₹ 75 lakh; Grants under XI Plan: ₹ 6.07 lakh.

### **Research Projects**

**Dr. Anita Sehgal:** Awarded a major research project on 'Some aspects of reproductive biology in Podostemaceae' by UGC.

**Dr. Monika Tomar:** Awarded Fast Track Young Scientist Project titled 'Development of MO<sub>x</sub> (M=Te, Se, Ge) exhibiting negative TCD for SAW devices' by DST.

Awarded a project titled 'Design and Development of Functional Materials for SAW devices in Communication and Sensors' as Co-PI by NRB (DRDO).

### **Library Development**

Books	:	₹ 5,26,673.00
Reading Room	:	₹ 69,889
Books added	:	1,075
Journals subscribed	:	132

### **New Additions**

Ms. Jenny Rowena P. - English	Ms. Sutapa Das - Economics
Ms. Purva Yadav - Geography	Ms. Apeksha - Mathematics
Ms. Monika Arora - Mathematics	Ms. Monika Sharma - Zoology
Ms. Anita Kumari - Chemistry	Ms. Smriti S. Bhatia - Chemistry
Dr. Malti Sharma - Chemistry	Dr. Charu Goel - Physics
Ms. Sumana Devi - Physics	

### **Appointments of faculty members to the higher Posts/Assignments**

**Dr. Pratibha Jolly:** Selected for the prestigious 2009-10 Fulbright New Century Scholars Programme.

**Dr. Rekha Kumari:** Availed the BOYSCAST Fellowship 2008-09.

**Ms. Suvasini:** Went as visiting faculty to Faculty of Educational Sciences, Freie University, Berlin, Germany under the Erasmus Mundus programme.

### **Honours/ Distinctions**

**Dr. Pratibha Jolly:** Re-elected for a second term as the Chairperson, International Commission on Physics Education, Commission 14 of the International Union of Pure and Applied Physics.

Awarded Amity Women Achiever Award in the Field of Education at the 12th International Conference, INBUSH for the Highest Contribution in the field of Education at Amity University.

### **Seminars/Conferences held**

Workshop on 'Application of Cultural Techniques in Plant Animal and Bacterial Systems': This state level Workshop was organized at the D.S. Kothari Centre for Research and Innovation in Science Education, Miranda House, 1-14 July 2009.

National Workshop on 'Building Concepts in School Physics with Real-time Computer-based Experiments', D.S. Kothari Centre for Research and Innovation in Science Education, Miranda House organized this event, 8 May 2009.

Collaborative Workshop for College Science Teachers: 'Active Learning with Computer based Experiments in Multidisciplinary Contexts', D.S. Kothari Centre for Research and Innovation in Science Education at Miranda House, 16-21 April 2009.

Indo-Dutch Programme on Management and Cultural Contexts. Miranda House was a co-host for this week-long Workshop, along with the Sri Ram College of Commerce, 19-23 October 2009. The programme has been conceptualized in collaboration with Utrecht Business School, Hogeschool Utrecht University of Applied Sciences, The Netherlands.

Manzar 2010: Organized in alternate years by the Miranda House Debating Society, this prestigious International Seminar-cum-Parliamentary Debating Tournament was held from 31 January to 2 February 2010. The theme was 'Deconstructing the United Nations Millennium Development Goals and Envisioning beyond 2015'.

Dilli Meri Jaan: Organized by the Geography Department from 16-17 December 2009, this Seminar invited eminent speakers to address diverse themes such as history, architecture and culture of Delhi and the contemporary issues facing our urban city.

'Revisiting Kâlidâsa's *Abhijñânaúâkuntalam*: Land, Love, Languages: Forms of Exchange in Ancient India': International Seminar was organized by the Department of English, 20-21 January 2010.

National Workshop on 'Art and Science of Paper Recycling', supported by DST, 22-23 January 2010.

#### **Seminars/Conferences attended**

**Dr. Shampa Roy:** Presented a paper titled 'Pedagogic Predicament: The Problems of teaching English within a Post Colonial Space' at the University of Waterford, Ireland, 7 May 2009.

**Dr. Parul Bhardwaj:** Presented a paper titled 'Memory, Trauma and Forgetting in Abdullah Husasain's *Udas Naslein* and Dr. Rahi Masoom Raza's *Adha Gaon*: Remembering the partition in Post-Partition India and Pakistan at a Conference on the Anxiety of Belonging: Partitions, Reunifications, Modernity organized by the Centre for Critical and Cultural Theory at the Cardiff School of English, Communication and Philosophy, University of Cardiff, July 2009.

**Ms. Meeta Kumar:** Participated in VI South Asian Economics meet held at Dhaka, Bangladesh, 9-13 December 2009.

**Dr. Nisha Bala Tyagi:** Presented a paper on 'Non-violence and peace: A Gandhian perspective', at an International Conference at James Madison University, Virginia, USA, 10 April 2009.

Presented a paper titled 'Religion: Meaning and Necessity' at the 4th International Philosophy Conference, Athens, Greece, 1-4 June 2009.

Delivered lectures on 'Gandhi and Indian Philosophy' at Halsinborg, Sweden and Erlangen, Germany, 15-29 October 2009.

**Dr. Rakhi Parijat:** Attended and presented in a Conference on Remote Sensing of Land Use and Land Cover by European Association of Remote Sensing Laboratories in University of Bonn, Germany, 24-27 November 2009.

**Ms. Poonam Kumria:** Attended and presented at Conference on Remote Sensing of Land Use and Land Cover by European Association of Remote Sensing Laboratories in University of Bonn, Germany, 24-27 November 2009.

**Dr. Monika Vij:** Participated and presented a paper titled 'Need for RS and GIS based Risk Assessment, Preparedness and Prevention of Crowd Disasters: A case study of Religious Pilgrimage in India' at the XXII CIPA Symposium, at Kyoto, Japan, 11-15 October 2009.

**Ms. Shruti Sharma:** Participated in an International Workshop on 'Capacity building' at Kuala Lumpur, Malaysia, for Asian Political and International Studies Association, 13-18 December 2009.

**Dr. Pratibha Jolly:** Made a presentation on her NCS Project 'PHYSWARE: A collaborative project for development of low-cost equipment and appropriate technologies that promote hands-on physics education at the undergraduate level throughout the developing world' at the Orientation and Goal Setting Meeting of the New Century Scholars at Potomac, Maryland, 16-21 May 2009.

Invited Speaker and Pedagogical Adviser in the 2nd Regional South Cone Workshop on Active Learning; Mechanics (AAME-Cordoba'09) and the 2nd Regional South Cone Conference on Active Learning in Physics (CRAAF-2) held at Cordoba, Argentina, 2-6 June 2009. She was also a Panelist in the Round Table on 'Physics Teachers Preparation Across Different Cultures' at this Conference and made a presentation titled 'Transforming Classrooms, Teaching and Student Learning at the Tertiary Level', 5 June 2009.

Participated in the Topical Conference on Advanced Laboratories held at the University of Michigan in Ann Arbor, Michigan, 22-24 July 2009.

Invited speaker at the Special Session on 'Physics Education Research Around the World' at the American Association of Physics Teachers Annual Conference held at the University of Michigan in Ann Arbor, Michigan, 25-29 July 2009. She gave a talk titled 'Interactive Laboratory Tutorial: Learning the Art of Measurement with Simple Hands-on Activities'. At this Conference, a joint paper with collaborators (Pratibha Jolly, Priscilla Laws, Elena Sassi and Dean Zollman) was a second invited presentation in the Special session on Physics Education Around the World and titled *PHYSWARE: Teaching Mechanics in Developing Countries*.

Presented paper titled 'PHYSWARE: A collaborative project to promote hands-on physics education at the undergraduate level throughout the developing world' in collaboration with Priscilla Laws, Elena Sassi and Dean Zollman at the GIREP-EPEC International Conference 2009 on the Theme 'Community and Cooperation' at the Physics Innovations Centre for Excellence in Teaching and Learning (ðCETL), University of Leicester, United Kingdom, 17-21 August 2009.

Contributed a paper 'Creating a collaborative network of teachers to promote use of ICT in Physics Education in India' at the GIREP-EPEC International Conference 2009 on the Theme: 'Community and Cooperation' in collaboration with Mallika Verma at the Physics Innovations Centre for Excellence in Teaching and Learning (ðCETL), University of Leicester, United Kingdom, 17-21 August 2009.

Invited to speak on her project 'Physware' at the Annual Meeting of the Commission on Physics and Society, Commission 13 of International Union of Pure and Applied Physics (IUPAP) held at the Abdus Salam International Centre of Theoretical Physics, Trieste, Italy, 29 August 2009.

Delivered a colloquium titled 'Project PHYSWARE: Transforming Classrooms, Teaching and Student Learning at the Tertiary Level', at the Department of Physics, Kansas State University, Manhattan, KS, 14 September 2009.

Participated in the 2009 Fulbright New Century Scholars Programme Mid-term meeting held at Freie Universität Berlin, Germany, 14-18 October 2009. She made a presentation on her project 'Physware'.

Participated in the Council and Commission Chairs meeting of the International Union of Pure and Applied Physics (IUPAP) as the serving Chair of the International Commission on Physics Education (ICPE) held at the Booth Centre, University of Chicago, 23-24 October 2009.

Delivered a colloquium titled 'Project PHYSWARE: Transforming Classrooms, Teaching and Student Learning at the Tertiary Level', at the Department of Physics, Dickinson College, Carlisle, 27 October 2009.

Delivered an interactive talk titled 'What does it mean to me to be a Hindu in India' for students of a course at the Department of Religion at Dickinson College, Carlisle, 29 October 2009.

Invited speaker and Panelist for the special session on 'International Issues in Physics Education' at the Joint Winter Meeting of the American Physical Society and the American Association of Physics Teachers on the theme 'Physics for the Nation's Future' held in Washington, D.C., 13-17 February 2010.

**Dr. Mallika Verma:** Presented a paper at the GIREP- EPEC and PHEC International Conference 2009, University of Leicester, UK, 17-21 August 2009.

**Ms. B.D. Naorem, S. Roy and M.P. Srivastava:** International Workshop on 'Plasma Diagnostics and Applications', NTU Singapore.



**Ms. B.D. Naorem, S. Roy and M.P. Srivastava:** International Symposium 'Applied Plasma Science', University of Hamburg, Hamburg, Germany.

**Ms. Suvasini:** Visiting faculty to Faculty of Educational Sciences, Freie University, Berlin, Germany, for a period of 2 months under the Erasmus Mundus programme.

**Ms. Deepika Tandon:** Presented a paper titled 'The Ten Mothers of Abhijnanasakuntalam: Constructing, Celebrating and Confining Motherhood' at an International Seminar, 'Revisiting Kalidasa's *Abhijnanasakuntalam* – Land, Love, Languages: Forms of Exchange in Ancient India' jointly organized by Miranda House, UGC and ICCR at Miranda House, 21 January 2010.

**Dr. Meera Sagar:** Presented a paper titled 'The Ring and the Amulet: Love and Memory in Kâlidâsa's *Abhijñanaukuntalam*' at an International Seminar, 'Revisiting Kalidasa's *Abhijnanasakuntalam* – Land, Love, Languages: Forms of Exchange in Ancient India' jointly organized by Miranda House, UGC and ICCR at Miranda House, 21 January 2010.

**Dr. Parul Bhardwaj:** Presented a paper titled '*Adha Gaon*: Reconstructing a Lost Home-An Analysis' at the Interdisciplinary International Conference on Constructs of Home, jointly organized by the KSKV University of Kachchh and the WW University of Muenster, at the University of Kachchh, Bhuj, 24-26 November 2009.

**Dr. Shilpy Malhotra:** Presented a paper titled 'Science and Literature in the Nineteenth Century: The Case of Sherlock Holmes' at the International Seminar at Jadavpur University, 6-8 February 2010.

**Dr. Urmil Rustagi:** Chaired an International Seminar organized by WAVES, 25 December 2009.

**Ms. Meeta Kumar:** Participated in the 2nd Indo-Dutch Collaborative Programme 2009, Management and Cultural Contexts held from 19 to 23 October 2009 with Hogeschool Utrecht Business School, University of Applied Sciences, The Netherlands, Miranda House and Sri Ram College of Commerce, Delhi University, India, as participating institutes. She presented a paper titled 'The more things change, the less they do – Of Finance, scams, culture and other such animals' at this event.

**Dr. Nisha Bala Tyagi:** Attended the Third International Non-Violence Leadership Workshop at Raj Samand, Udaipur, 5-7 February 2010.

**Dr. Raj Verma Sinha:** Attended an International Seminar on 'Being Alive to Responsible Citizenship: J. Krishnamurti and the Challenge for Education', New Delhi, 4-6 February 2010.

Attended an International Seminar on 'I, We and the Other: Asymmetries of Moral Evaluation', New Delhi, 16-18 February 2010.

Paper on 'Female Foeticide in India: Ethico-Philosophical Perspective' in First Asian Philosophy Congress, New Delhi, 6-9 March 2010.

**Dr. Heni Francis Ariina:** Participated in an International Seminar on the theme 'From Experience to Thought, Consciousness, Mind and Agency' organized by the Centre for Philosophy, SSS -1, JNU, January 2010.

**Ms. Punam Behari:** Attended the Second India Disaster Management Congress at Vigyan Bhavan, New Delhi, 4 November 2009.

Attended 1st National Congress on Role of Women in Disaster Preparedness at the American Centre, New Delhi, 15-16 December 2009.

**Dr. Ritu Ahlawat:** Attended International Youth Conference on Sustainable Lifestyles: Consumption and Climate Change, Kamala Nehru College, Delhi University, 3 August 2009.

**Ms. Anindita Sarkar:** Presented a paper titled 'Sustaining Livelihoods in face of groundwater Depletion: A Case Study of Punjab' in the International Conference on Environment, Agriculture and Food Security in India organized by the Institute of Indian Geographers, Bangalore University, Bengaluru, 19-21 February 2010.

Presented the paper 'Socio-Economic Implications of Depleting Groundwater Resource in Punjab: A Comparative Analysis of Different Irrigation Systems' in the International Seminar 'Current and Future State of Water Resources and the Environment' organized by the Environment and Water Resources Institute of the American Society of Civil Engineers and the Indian Institute of Technology Madras at Chennai.

**Ms. Priyanka Puri:** Attended a National Seminar on 'Management of Waste from Electronics and Renewable Energies' organized by Bhaskaracharya College of Applied Sciences, Delhi University, 29-30 January 2010.

Attended National Seminar on 'Environmentally Sustainable Development- A Bag of Green Profits', organized by Jagan Institute of Management Sciences, Guru Gobind Singh Indraprastha University, Delhi, 6 February 2010.

**Dr. Reema Bhatia:** Presented a paper titled 'Situating Declining Sex Ratio: Evidence from North India' in the Workshop on 'Undesired Daughters: The Paradox of Modern India' organized by the University of Lund, Sweden, and Delhi University.

**Dr. Anil Kumar:** Participated in From Experience to Thought: Debates in Consciousness, Cognition and Agency, International Conference, Centre for Philosophy, School of Social Sciences, Jawaharlal Nehru University, New Delhi, 7-9 January 2010.

**Ms. Shruti Sharma:** Participated in a roundtable Conference on A Global Dialogue on Federalism at the Institute of Social Sciences on 3 September 2009.

**Dr. Pratibha Jolly:** Delivered a talk titled 'Role of Educationist in Inspiring, Involving & Integrating Individuals for Building Prosperous Nation' at the XII International Business Summit and Research Conference International Business Horizon with the theme Inspiring, Involving & Integrating Individuals for Creating World Class Innovative Organisations, Amity University, Noida, 25 February 2010.

**Dr. Monika Tomar:** Received the Best Paper Presentation award by Indian Vacuum Society at the IVSNS-2009, CEERI, Pilani, 11-13 November 2009.

**Dr. Saroj Mahajan:** Attended an International Colloquium on 'Perspectives in Fundamental Research' held at the Tata Institute of Fundamental Research, 3-6 March 2010.

**Dr. Amrita Tripathi Sheikh:** Participated in the Regional Centre of Expertise in Education for Sustainable Development- UN University, Asia Pacific Region Conference, TERI University, 6 November 2009.

**Dr. Mallika Pathak and Dr. Sharda Mahilkar:** Participated in VI Indo-Italian Workshop on 'Chemistry and Biology of Antioxidant', Department of Chemistry, Delhi University, 10-11 December 2009.

**Dr. Sushma Moitra:** Invited to attend 'Darwinism – A Sesqui – Centennial Celebration' an International Symposium to Commemorate 200th Birth Anniversary of Charles Darwin and 150th Year of his book *Origin of Species*, Karnataka University, Dharwar, 14-17 September 2009.

Participated as delegate in International Symposium on 'SOL 2009 – The 6th Solanaceae Genome Workshop', New Delhi, 8-13 November 2009.

Presented a Paper on 'E-Learning: A Teacher's Perspective' at Maitreyi College. National Workshop on 'Quality Assurance through Blended Learning', 19-21 January 2010.

**Dr. Anita Sehgal:** Coordinated a state-level Workshop along with Dr. Sadhna Sharma on 'Application of Culture Techniques in Plant, Animal and Bacterial systems' at D.S. Kothari Centre for Research and Innovations in Science Education, Miranda House, 1-14 July 2009.

**Dr. Saloni Bahri:** Presented posters at the National Symposium on 'Chemistry in Biology: The Future of Life Sciences', Acharya Narendra Dev College, Delhi University, 12-13 February 2010.

**Ms. Suchismita Dass:** Participated in National Symposium on 'Molecular Cell Biology' organized by the Department of Biochemistry, Shivaji College, Delhi University, 24-25 November 2009.

**Dr. Tanima Bose** Joint Programme Co-ordinator for the 2nd Indo-Dutch Collaborative Programme: Management and Cultural Contexts, held in Miranda House and SRCC, 19-23 October 2009.

**Ms. Sandhya Aneja,** Member of organizing committee of X International Conference on Cryptology in India (Indocrypt 2009), New Delhi, 13-16 December 2009.

**Dr. Mukul Tewari Kalia:** Presented a paper titled 'Language issues in Education' at a two-day National Seminar on 'Maulana Azad and the National Education System', organized by National University of Educational Planning and Administration (NUEPA) and Nehru Memorial Museum & Library, 11-12 November 2009.

**Ms. A.R. Sitalakshmi:** Participated in and presented a research paper at the Second Peoples Education Congress on Science Education in India at Homi Bhabha Centre for Science Education, TIFR, Mumbai, 5-8 October 2009.

**Ms. Rekha Badiwal and Ms. Rekha Badiwal:** Participated in the Mathematics Seminar on 'Secondary School Mathematics', organized jointly by HBSCE, Mumbai, Eklavya, Bhopal and Centre for Science Education and Communication, Delhi University, 17-19 July 2009.

**Ms. A.R. Sitalakshmi:** Participated in and presented a research paper at the Second Peoples Education Congress on Science Education in India at Homi Bhabha Centre for Science Education, TIFR, Mumbai, 5-8 October 2009.

**Ms. Anuradha Mathur:** Participated in an International Conference on Academic Libraries Organized by Delhi University Library System at Delhi University, 5-8 October 2009.

Participated in an International Seminar for Information Professionals (ISIP2009) on 'Libraries at Crossroads' organized by Special Libraries Association, Asian Chapter, in association with Institute of Health Management Research, Jaipur, and Sawai Mansingh Hospital and Research Center JLN Marg, Jaipur, at Robert Heilig Library, Swai Mansingh Medical College, JLN Marg, Jaipur, 9 October 2009.

**Ms. Anuradha Mathur:** Attended the Third International Non-Violence Leadership Workshop at Raj Samand, Udaipur, 5-7 February 2010.

**Dr. Shweta Sachdeva Jha:** A panelist for a discussion on Gender Perspectives and Challenges, The Academy of Third World Studies, Jamia Millia Islamia University, Delhi, 29 July 2009.

Chaired a panel discussion on 'Performance and the Public' in Exploring the Margins, A conference for postgraduate and doctoral students organized by the History Association, Jawaharlal Nehru University, Delhi, 3-5 September 2009.

Presented a paper 'Rethinking the History of the Tawa'if and Urdu Poetry' at a National Conference organized by UGC and Sri Venkateshwara College on Conflict Belonging, Multiculturalism in the Literature and Allied Arts in Delhi, 5 November.

**Dr. Archana Verma:** Delivered a series of three lectures on 'Women Issues and Feminist Stance in Hindi Literature' at Osmania University, Hyderabad.

**Dr. Rajni Disodia:** Delivered a lecture on the topic of 'Women Empowerment' in NSS Women's camp at PG College, Augustmuni (Rudraprayag) Uttarakhand, 25 December 2009.

Attended the yearly Conference of prominent Hindi magazine *Hans* on the topic Yuva Rachanasheelta aur naitik mulya on 31 July 2009 and attended a *paricharcha* based on the book *Akath Kahani Prem Ki* on Kabir, written by prominent Hindi critic Prof. Purushottam Aggarwal.

**Ms. Sangeeta Rai:** Attended an Interdisciplinary National Seminar 'Future of the Modern Civilization' at Gandhi Auditorium, Kaiserbagh, Lucknow, 19 February 2010.

**Ms. Chanda Sagar:** Attended National Workshop on 'Quality Assurance through Blended Learning' at Maitreyi College, 19-21 January 2010. A documentary on her life and achievements was made by Lok Sabha Channel on 19 March 2009. It was telecast on national television on 1 April 2009. The documentary has been telecast more than twenty times till date.

**Dr. Meena Kumari:** Participated in a Conference on Relationship of preceptor and the student, International Vedic Sammelan, Gurukul Kangri, Haridwar. She also attended International Seminar on 'Knowledge creation in Manusmriti', organized by WAVES.

**Ms. Sutapa Das:** Participated in 46th Annual Conference of the Indian Econometric Society and presented a paper titled 'Government size and economics growth in Emerging Market Economics' in a Conference held at Jammu University, 4-6 March 2010.

**Dr. Nonica Datta:** 'Beyond Archives and Biography', Conference on Biography as History, Department of History and Culture, Jamia Millia Islamia, New Delhi, 12-13 February 2010.

National Seminar on 'Identity at the Margins', Department of English, MS University of Baroda, Vadodara, 19-20 March 2010.

**Dr. Raj Verma Sinha:** Attended a National Seminar on 'Agency, Attonomy and Power: A dialogue on Women and Body' held at Women Studies and Development Centre, Delhi University, 23-25 February 2010.

**Ms. Simmi Valecha:** Attended a seminar on 'Human Rights and Social Security in the Age of Globalization' organized by UGC-Academic Staff College, Jamia Millia Islamia, 24-25 November 2009.

**Ms. Punam Behari, Dr. Bashabi Gupta and Dr. Sudeshna Bhattacharya:** Attended and presented a paper at National Seminar on 'Population, Development and Environment: Issues and Challenges' hosted by Department of Geography, Banaras Hindu University, 18-19 February 2010.

**Dr. Ritu Ahlawat:** Attended National Workshop on 'Information Technology and Disaster Management' organized by All India Foundation for Peace and Disaster Management at School of Environmental Studies, Delhi University, 25 April 2009.

Attended International Youth Conference on Sustainable Lifestyles: Consumption and Climate Change, Kamala Nehru College, Delhi University, 3 August 2009.

Participated as Rapporteur in 1st National Congress on Role of Women in Disaster Preparedness organized by All India Foundation for Peace and Disaster Management, American Centre, New Delhi, 15 December 2009.

**Ms. Punam Behari:** Presented a paper coauthored with Sudeshna Bhattacharya on 'Transformation of Kota from an Industrial Town to an Education City' at National Seminar on 'Population, Development and Environment: Issues and Challenges' at Banaras Hindu University, Varanasi, 18-20 February 2010.

**Dr. Anindita Sarkar:** Presented the paper 'Groundwater Depletion in Punjab: Turning Common Property Resource into Commodities', National Seminar 'Environment, Culture and Development' organized by the National Association of Geographers India (NAGI) and Department of Geography, Rani Durgawati University, Jabalpur.

**Ms. Priyanka Puri:** Attended International Youth Conference on Sustainable Lifestyles: Consumption and Climate Change, organized by the Department of Geography, Kamala Nehru College, Delhi University, 3 August 2009.

**Dr. Surjeet Suneja:** Presented a paper 'Vector Optimization with Cone Semilocally Preinvex Functions' co-authored with Meetu Bhatia at the

8 Triennial Conference of Association of Asia Pacific Operational Societies (APORS-2009), Jaipur, 6-9 December 2009.

**Ms. K.V. Shantha, Dr. Ritu Gupta, Ms. Bhawna Bansal and Ms. Yakshi Anand:** Participated in National Meet on History of Mathematical Sciences, Department of Mathematics, Delhi University, 7-9 January 2010.

**Dr. Ritu Gupta:** Participated in Workshop on 'Art and Science of Paper Recycling', 22-23 January 2010.

**Dr. Dinaz Mirchandani:** Participated in an Indo-French Seminar on 'Challenges in Public Higher Education: An Interdisciplinary Perspective' at the Indian Council of Social Science Research, 21-22 December 2009.

**Dr. Anil Kumar:** Participated in Identity, Development and Nation Building, XXXV All India Sociological Conference, Indian Sociological Society and Department of Sociology and Social Work, University of Kashmir, Srinagar, 10-12 October 2009.

Presented Two Papers in XXXV All India Sociological Conference, 'Sexuality: A Third Gender Perspective', in Research Committee - Gender Studies, Indian Sociological Society, All India Sociological Conference, 2009.

Presented 'Religion as Dharma: A Secular Perspective' in Research Committee - Religion and Religious Communities, Indian Sociological Society, All Indian Sociological Conference, 2009.

**Ms. Shruti Sharma:** Presented a paper on 'Secularism-A Legal and Normative Perspective' at Developing Countries Research Centre, 22 September 2009.

**Dr. Mallika Verma and Dr. Monika Tomar:** Resource Person and Organiser, Collaborative Workshop for College Science Teachers: 'Active Learning with Computer based Experiments in Multidisciplinary Contexts', D.S. Kothari Centre for Innovation in Science Education, Miranda House, Delhi University, 16-21 April 2009.

Resource Person and Organiser, Workshop on 'Building Concepts in School Physics with Real-time Computer-based Experiments', D.S. Kothari Centre for Innovation in Science Education, Miranda House, Delhi University on 8 May 2009.

**Dr. Sunita Ahuja:** Attended Workshop on 'Art and Science of Paper Recycling' at Miranda House, 22-23 January 2010.

**Dr. Adarsh Gulati:** Participated in a National Symposium on 'Challenging Areas in Forensic Science' at Khalsa College.

**Ms. Aurna Popli, Dr. Mallika Pathak, Ms. Nutan Rani, Dr. Sushma Moitra, Dr. Madhu Bajaj, Dr. Saloni Bahri, Dr. Nisha Vashishta and Dr. Rashmi Shakya:** Attended the Workshop on 'Art and Science of Paper Recycling' organized at Miranda House, 22-23 January 2010.

**Dr. Bani Roy:** Member, Organising Committee, National Workshop on *Art and Science of Paper Recycling* at Miranda House, 22-23 January 2010.

**Dr. Amrita Tripathi Sheikh:** Participated in the concluding session of the Second Environment Educators' Conference organized by TERI, 5 November 2009.

Workshop Convener for the DST sponsored workshop 'Art and Science of Paper Recycling', 22-23 January 2010.

**Dr. Janaki Subramanyan and Dr. Saloni Bahri:** Participated in 'Catenanes', the National Symposium on 'Molecular Cell Biology' at Shivaji College, Delhi University, 24-25 November 2009.

**Dr. Janaki Subramanyan:** A member of the organizing committee for the National Workshop on 'Art and Science of Paper Recycling' held in Miranda House, 22-23 January 2010.

**Dr. Rashmi Shakya:** Participated as resource person for the workshop on the 'Application of Culture Techniques in Plant, Animal and Bacterial Systems' at D.S. Kothari Centre for Research and Innovation in Science Education, Miranda House, Delhi University, 1-14 July 2009, and conducted two lecture-cum-practical sessions on 'Introduction to Plant Cell Culture' and 'Protoplast Culture', 6-14 July 2009, respectively.

**Dr. Tanima Bose:** Attended a Symposium on 'Chemistry in Biology: the Future of Life Sciences', organized by Acharya Narendra Dev College at India International Centre, New Delhi, 12-13 February 2010.

Attended a Workshop on 'Research Techniques in Reproductive Biomedicine' at National Institute for Health and Family Welfare, New Delhi, 16-27 November 2009.

**Dr. Nisha Vashishta:** Participated in the National Symposium on 'Challenging Areas in Forensic Science', organized by Forensic Science Unit: Innovating to Combat Crime, SGTB Khalsa College, Delhi University, 5 February 2010.

Participated in the National Symposium on 'Chemistry in Biology: The Future of Life Sciences', organized by Acharya Narendra Dev College at India International Centre, New Delhi, 12-13 February 2010.

**Dr. Jyoti Arora:** Participated in Workshop on 'Art and Science of Paper Recycling' organized by Miranda House, Delhi University, 22-23 January 2010.

Attended a National Symposium on 'Chemistry in Biology: The Future of Life Sciences' organized by AND College at India International Centre, New Delhi, 12-13 February 2010.

**Ms. Neetu Rana:** Participated as Resource Person in the Seminar for training of In-service teachers on 'How to make teaching in the classroom a joyful experience', SCERT, Delhi, 13 May 2009.

**Dr. Barnali Biswas:** Participated in Seminar on 'Linking Universities and School: Towards Equity and Quality' organized by USRN at JNU on 31 October 2009.

Participated in National Seminar 'Delhi Meri Jan: Images and Impressions' organized by the Geography Department, Miranda House, Delhi University on 16-17 December 2009.

**Ms. Anuradha Mathur:** Participated in 55th ILA National Conference on Library and Information Science in Digital Era', organized by Indian Library Association, New Delhi, in association with Ranganathan Society for Social Welfare and Library Development and Birla Institute of Management Technology, Greater Noida.

## **Publications**

### **Books**

**Verma, A. 2009.** *Rajpaat aur Anya Kahaniyan.* (A collection of stories).

**Joshi, S. 2009.** 'Mapping a History of Consciousness: Gujarati Folk Theatre. Different Types of History'. In *History of Science, Philosophy and Culture in Indian Civilization*, Volume XIV Part 4, (ed) Ray, B. Delhi: Pearson Longman.

**Kumar, M. and Pandey, M. (eds). 2009.** *Economic Challenges to Make South Asia Free from Poverty and Deprivation.* Delhi: Academic Foundation.

**Srimanjari. 2009.** *Through War and Famine: Bengal 1939-45.* New Delhi: Orient Blackswan Pvt. Ltd.

**Datta, N. 2009.** *Violence, Martyrdom and Partition: A Daughter's Testimony.* Delhi: Oxford University Press, (Reprint- 2010).

**Sinha, R.V. 2009.** *Tarkashastra: Ek Rooprekha, 2: sec. 2, (4th edn.)* Hindi translation of Dr. Krishna Jain's *A Textbook of Logic* (2007). New Delhi: D.K. Printworld.

**Chakravarty, S. 2009.** *Revolt of 1857 in Bengali Novel.* Kolkata: Pustak Bipani. Released in Kolkata Book Fair.



**Priyadarshini, M. et. al. 2009.** *Bhasha ki Samajh. Handbook for Teachers of KGBV.* New Delhi: NCERT.

**Kumari, M. 2009.** *Vishrutcharitam.* Delhi: JP Publication.

### **Research Articles in Books or Scholarly Journals**

**Verma, A. 2009.** 'Samay Soch aur Rachna', *Purvagrah.* Bharat Bhawan, Bhopal.

**Verma, A. (ed.) 2009.** *Hans*, November, Special issue on Feminism.

2009. Hindi Programme of Random House India. The first set of six books, including Manju Kapoor's *The Immigrant*, Salman Rushdie's *Enchantress of Florence* and Jhumpa Lahiri's *Unaccustomed Earth*, is out.

**Nag, N. 2009.** 'Punerjanm' (short story), *Pratyay*, October-December, pp. 38-42.

**Disodia, R. 2009.** 'Ghar Parivaar' (short story). *Hans*, November.

2009. 'Bhartiya Loktantra aur Dalit Mahilaon ke Saval'. *Apeksha*, June-Dec.

**Jha, S.S. 2009.** 'Eurasian Women as *Tawa'if* Singers and Recording Artists: Entertainment and Identity-making in Colonial India'. *African and Asian Studies*, 8(3): 268-87.

**2009.** 'Frames of Cinematic History: The *Tawa'if* in *Umrao Jan* and *Pakeezah*'. *Narratives of Indian Cinema*, ed. Jain, M. Delhi: Primus Books, pp. 167-92.

**Jain, N. 2009.** 'Folk-Urban, Historic-Contemporary Continuum in Vijay Tendulkar's *Ghashiram Kotwal*'. *Journal of Drama Studies*, Internal Journal of Research on World Drama in English (including translation), 3.

**Kannojiya, R. 2009.** 'Concept of Values in Reference to Ćankara's Philosophy' (abstract). 84th Indian Philosophical Congress, Mumbai. Theme: Values Embodied in Indian Culture: Relevance and Reconstruction, p. 121.

**Pratibha. 2009.** 'The Philosophy of Education'. *Pragyadeep*, souvenir of the 28th K.K. Kakoti All Assam Inter-College Debate 2009.

**Sinha, R.V. 2010.** 'Female Foeticide: Ethical Perspective'. First Asian Philosophy Congress, 6-9 March New Delhi.

**Sinha, R.V. 2009.** 'Agreement and Disagreement in Attitude and Belief'. In *Tarkashastra: Ek Rooprekha* (4th edn). New Delhi: D.K. Printworld.

**Shweta. 2009.** *The Humanities Methodology and Perspectives* (section). Delhi: Pearson Longman.

**Sarkar, A. 2009.** Sustainability Status of Rice-Wheat Cropping Pattern in Punjab: A Comparative Analysis of Different Irrigation Systems. *Environment, Development and Sustainability*. Netherlands: Springer Publishers. 11.4: 751-63.

- Puri, P. 2009.** 'Questions for a Consumer'. *Awaken*, the annual consumer awareness magazine, Kamala Nehru College, Delhi University.
- Jagannathan, B. 2009.** *Samira's Awful Lunch* (Children's fiction). Bangalore: Pratham Books.
2009. *Samira Goes Shopping* (Children's fiction). Bangalore: Pratham Books.
- Bose, S. 2009.** 'Human-Plant Interactions in the Middle Gangetic Plains: An Archaeobotanical Perspective'. (From the Mesolithic up to c. Third Century BC). In *Ancient India New Research*, eds. Singh, U. and Lahiri, N. 2: 71-123. New Delhi: Oxford University Press.
- Bhatia, R. 2009.** 'Punjab ke gaon mein auroton ki sthiti' (Status of Women in Punjab). *Hans*, November, pp. 124-25.
- Nanda, B. and Motilal, S. (eds) 2010.** *Understanding Social Inequality—Concerns of Human Rights, Gender and Environment*. Delhi: Macmillan Publishers.
- Kumari, P. 2009.** 'Changing Nature of Party System'. In *Contemporary India*, eds Chandoke, N. and Priyadarshni, P. New Delhi: Pearson.
2009. 'Rights of Women, Rights of Children and Rights of Old and Physically Challenged'. Study material for the paper *Human Right in India* offered by IGNOU, New Delhi.
- Priyadarshini, M. et. al. 2009.** *Taana-Baana*, Reader for underprivileged girls of Kasturba Gandhi Balika Vidyalayas (KGBV) across India set up by MHRD. New Delhi: NCERT.
2009. 'Kavitaen: Safdar ka ek Samantar Rachna – Sansar'. In *Nukkad-Janam Samvad* (a journal on Street Theatre), 42(2).
- Sitalakshmi, A.R. 2009.** 'Senior Secondary School Students' Understanding of Chemistry at Microscopic level: Implications for Pedagogy'. In *Abstracts*, Second People's Education Congress, Science Education in India (HBSCE, Mumbai) 87. Peoples Council of Education, Allahabad.
- Gupta, N. and Khurana, S. 2009.** 'End-to-End protocol to Secure Ad hoc Networks against Wormhole Attacks'. *J. Computer Networks*.
- Khurana, S. and Gupta, N. 2009.** 'Discovering Minimum Exposed Path to Attack (MEPA) in Mobile Ad hoc Networks (MANET) in optimal  $O(|P|)$  time after pre-processing'. *J. Ad hoc Networks*.
- Jolly, P., Verma, M. and Tomar, M. 2009.** 'Creating a collaborative network of teachers to promote use of ICT in Physics Education in India', *Abstract*, GIREP- EPEC and PHEC International Conference 2009, Leicester, UK.
- Naorem, B.D., Roy, S. and Srivastava, M.P. 2009.** 'Deposition of germanium nanostructures using dense plasma focus device'. *Appl. Plasma Sc.* 7: 247-49.

- Shandilya, S., Tomar, M., Sreenivas, K. and Gupta, V. 2009.** 'Purely hopping conduction in c-axis oriented LiNbO<sub>3</sub> thin film'. *J. Applied Physics*, 105: 094105.
- 2009.** 'Structural and interfacial defects in c-axis oriented LiNbO<sub>3</sub> thin films grown by pulsed laser deposition on Si using a Al:ZnO conducting layer'. *J. Phys. D* 42: 095303.
- 2009.** 'Studies on Interfacial defects and optical properties of c-axis oriented LiNbO<sub>3</sub> thin films grown by pulsed laser deposition'. Presented at the IVSNS-2009, CEERI, Pilani, 11-13 November 2009.
- Chowdhuri, A., Tomar, M., Sreenivas, K. and Gupta, V. 2009.** 'Role of catalysts and their nanoscale dispersal on the response characteristics of SnO<sub>2</sub> thin film H<sub>2</sub>S gas sensor'. *Philosophical Nature*, 1: 195-204.
- Menon, R., Chowdhuri, A., Tomar, M., Sreenivas, K. and Gupta, V. 2009.** 'Enhanced photo-response of thermally treated Zinc oxide Ultra-violet photon detector with furnace method and pulsed laser irradiation'. Proceedings, International Conference IEEE Sensors 2009, (Christchurch, New Zealand 25-28 October), pp. 437-40.
- Menon, R., Tomar, M., Sreenivas, K. and Gupta, V. 2009.** RF 'Magnetron sputtered Zinc Oxide thin film UV Photo-detector'. Presented at the IVSNS-2009, CEERI, Pilani, 11-13 November 2009.
- Sharma, A., Tomar, M., Sreenivas, K. and Gupta, V. 2009.** 'Enhanced response and low temperature operated SnO<sub>2</sub> thin film NO<sub>2</sub> gas sensor prepared by rf sputtering'. Presented at the IVSNS-2009, CEERI, Pilani, 11-13 November 2009.
- Dhingra, S. and Angrish, C. 2009.** 'Qualitative analysis of organic compounds – a cleaner, economical and safer approach'. In *Abstract ICCE-2009*, 12th EuCheMS International Conference on Chemistry and the Environment, Stockholm, Sweden, 14-17 June.
- 2009.** 'Qualitative analysis of organic compounds – a green approach'. In *Abstracts*, 3rd Indo-Italian Seminar on Green Chemistry, Department of Chemistry, Delhi University, 9 December.
- Pathak, M., Tiwari, A.K., Ojha, H. and Kakkar, R. 2010.** 'Quantitative Structure Activity Relationships (QSARS) of Some Anti-Tuberculosis Agents Based on Linear and Non-Linear Regression Methods', in *Abstracts T3D-2010*, International Symposium on 'Trends in Drug Discovery and Development', Department of Chemistry, Delhi University, p. 30.
- Sehgal, A., Sethi, M. and Mohan Ram H.Y. 2009.** 'Development of the floral shoot and pre-anthesis cleistogamy in *Hydrobryopsis sessilis* (Podostemaceae)'. *Botanical Journal of Linnean Society*, 159: 222-36.
- Khosla, C.K. and Sehgal, A. 2009.** 'Pollination Biology of *Indotristicha ramosissima* (Podostemaceae-Tristichoideae)'. *Aquatic Botany*, 91: 51-56.

**Khanduri, P., Tandon, R., Uniyal, P.L., Sehgal, A. and Mohan Ram, H.Y. 2009.** 'Floral morphology of Podostemaceae: A conspectus'. In *Prof. V. Puri Birth Centenary Special Volume*.

**Chaudhry, E., Jahan, I., Medha, Bahri, S. and Subramanyan, J. 2009.** 'Conductivity probe to understand limitations on cell size - surface area : Volume ratio', p. 69 in Souvenir.

**Shakya, R. and Bhatla, S.C. 2009.** 'A comparative analysis of the distribution and composition of lipidic constituents and associated enzymes in pollen and stigma of sunflower'. *Sex Plant Reprot.* DOI 10.1007/s00497-009-0125-0.

**Dass, S. and Ramawat, K.G. 2009.** 'Exploitation of somatic cell variability in *Commiphora wightii* (Arnott.) Bhandari for guggulsterone production'. *Natural Product Radianance*, 8(5): 532-36.

The following e-chapters on *Biological Chemistry* have been uploaded on the website [www.nsdl.niscair.res.in](http://www.nsdl.niscair.res.in):

**Bose, T.K. and Sinha, P.K. 2009.** Chapter 2 'Biomolecules'. Bose, T.K. 2009, Chapter 4 *Overview of Metabolism*; Bose, T.K. 2009. Chapter 5 *Carbohydrate Metabolism*; Bose, T.K. 2009, Chapter 6 *Lipid Metabolism*.

**Bose, T.K. 2009.** Chapter 3 'Enzymes'; Chapter 4 'Overview of Metabolism'; Chapter 5 'Carbohydrate Metabolism'; Chapter 6 'Lipid Metabolism'; Chapter 9 'Bioenergetics, Biological Oxidation and Mitochondrial Respiration'.

**Sharma, S., Sharma, M. and Bose, M. 2009.** '*M. tuberculosis* Infection of Human Monocyte Derived Macrophages Induces Apoptosis of T-cells'. *Immunol. Cell Biol.* 87(3): 226-34.

## MATA SUNDRI COLLEGE FOR WOMEN

### Major Activities

The College has been making steady progress in various fields, with its teachers getting laurels and its students winning prizes. Two of the teachers were awarded the honours of being Outstanding Teachers of the University. One teacher got International recognition. The College placement cell caters to the students of different disciplines. Last year, companies like HCL, GENPECT, TECH MAHINDRA and INDIGO AIRWAYS picked up students for various jobs.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Varinder Kaur	B.A. (Hons.) Punjabi	I

## Library Development

Total Budget	:	₹ 6,31,750.00
Books added	:	1,563
Journals subscribed	:	66

## New Additions

Dr. Lokesh Kumar Gupta	Mr. Kuldeep Kumar Sehgel
Ms. Sarabjit Kaur	Dr. Pooja Jaggi
Ms. Ravneet Kaur	Dr. Mallica Mishra
Ms. Neerja Yadav	Ms. Aarti Mathur
Ms. Nidhi Kunwar	Dr. Meenakshi Goenka
Dr. Sapna Dhailwal	Ms. Tanu Dhingra
Ms. Poonam Nassa	Ms. Harleen Kaur
Ms. Priya	Ms. Gurpreet Kaur
Ms. Sonia Aneja	Ms. Rashmi Verma

## Honours/Distinctions

**Dr. Chandra Chatterjee and Ms. Shabnam Suri:** Awarded the Distinguished Teacher Award of the University. It was presented to them at Delhi University Vice-Chancellor's office by Dr. A.P.J. Abdul Kalam on 7 September 2009.

**Ms. Indu Mazaldan:** Awarded the highest civilian honour of Hungary – 'PRO KULTURA HUNGARICA' for her extensive translation work from Hungarian to Hindi, at a ceremony held at the Hungarian Ambassador's residence on 18 January 2010. The medal was given by the Minister of Foreign Affairs of the Republic of Hungary.

**Dr. Satnam Kaur:** Appointed Jury member by Prasar Bharti, Directorate General Doordarshan, to be part of the screening Committee of Doordarshan Annual Awards 2009 for the section 'Spots and Promos', 31 August-4 September 2009.

## Seminars/Conferences attended

**Ms. Shabnam Suri:** Attended a Seminar on 'Indrapastha to New Delhi: A Cultural Journey' at the Department of Social Work, Delhi University, organized by Shyam Lal College, 15 December 2009.

**Dr. Satnam Kaur:** Invited by *Navbharat Times* as Community Guest for a Panel discussion on Sri Guru Nanak Dev, 2 November 2009.

Participated in an International Conference on Unity of Faiths at Sai International Centre for Human Values, New Delhi, 11-12 July 2009.

## Publications

### Books

**Mathur, A. 2009.** *Bhasha – Bhasha Vaigyanic Adhyayana.*

**Mazaldan, I. 2010.** *Safed Badshah* (Hindi translation of the Hungarian novel *A Feher Kiraly* by writer Gyorgy Dragoman). New Delhi: Vani Prakashan.

### **Research Articles**

**Jha, S.** Presented the paper titled 'Vedantic Philosophy in the novels of Raja Rao', World Veda Conference at Gurukul Kangri University, Haridwar, 20-22 November 2009.

**Pradhan, D.** Presented a Paper titled 'The Country without a Post Office: Stoties from the Crossfire Community' at ASC, Jamia Milla Islamia, Delhi, 21 November 2009.

Presented a Paper titled 'Filling in the Blank Translation from the Margins' at Dibrugarh University, Assam, at the Seminar organized by the National Translation Mission, CIL, and Mysore on 24 December 2009.

**Sharma, P.** 'Yatharth Vadi Rangmanch or Swantrayoter Hindi Natak', in *Hindi Natak Nai Parak*, ed. Professor Ramesh Gautam.

**Gupta, L.K. 2009.** 'Samant Sahi Se Vidroh aur Lok Se Jan Judav: Meera Bai Ki Kavita' in *Sahridaya*, Oct – Dec 2009.

**Jain, K.** 'Research on Leadership' in *NICE Journal of Management*, Shobhit University.

**Sukhija, M. 2009.** 'Combating Terroorism', in *Challenge of Terrorism*, eds, Lahiri, I. and Chakraborty, R. Delhi: Academic Excellence.

**Aggarwal, S. 2009.** 'Spirals of Mutuality: Love, Non violence and Service'. *FORUM* (Journal of the International Association for Group Psychotherapy and Group processes), 3 July 2009.

**Kaur, S. 2009.** 'Impact of Guru Nanak Devji's messages on today's youth', *Navbharat Times*, 31 October 2009.

## **NETAJI SUBHAS INSTITUTE OF TECHNOLOGY**

### **Major Activities**

Within a span of 27 years, NSIT has carved a niche for itself in the industry and academia, nationally and internationally. NSIT has a well laid down 'Profile of Growth', emphasizing a strong commitment for achieving excellence in technical education and research and has the goal of becoming a University in the near future.

NSIT has already signed MoUs with over a dozen organizations, institutes and universities of global repute with the aim of undertaking such collaborative activities which will include students internship programmes, faculty exchange and collaborative R&D.

To give further stimulus to Research, Development, Innovation and Creativity, NSIT has established an advanced Centre of Excellence within each Division. In addition, NSIT is poised to set up a Science and Technology Park (STP) on the campus.

Realizing its responsibility and commitment towards the society and sensitizing the students to the needs of the less privileged sections of the society. NSIT continues to organize special skills oriented training programmes for the weaker sections of society under its Continuing Education Programme (CEP) and Special Component Programme (SEP).

### **Library Development**

Total Budget : ₹ 132 Lakh  
Books added : 2,581

### **Journals subscribed to**

Back Volumes : 3000  
IEEE Print Journals : 113  
IEE Print Journal : 08  
Other Journals : 64

### **Appointments of faculty members to higher Posts/Assignments**

**Shri C.S. Verma:** Assistant Director, AICTE, New Delhi.

### **Seminars/Conferences held**

An International meet, LIV Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM), 18-21 December 2009.

### **Seminars/Conferences attended**

**M. Gupta, P. Varshney and G.S. Visweswaran:** 'First and higher order Operator based Fractional Order Differentiator and Integrator Models', TENCON 2009, Singapore, 23-26 November 2009.

**Meena Tushir and Smriti Srivastava:** 'A Novel Clustering Method for Fuzzy Model Identification', P0695, IEEE TENCON 2009 Singapore, 23-26 November 2009.

**Smriti Srivastava, Monika Gupta, K.S. Preeti and Divya Jyoti Sharma:** 'On line Estimation and Control of Voltage Flicker using Neural Networks', P1112, IEEE TENCON 2009, Singapore, 23-26 November 2009.

**Smriti Srivastava, Monika Gupta, and JRP Gupta:** 'PSO & Neural Network based Signature Recognition for Harmonic source Identification', P 1113, IEEE TENCON 2009, Singapore, 23-26 November 2009.

**Vijayant Aggarwal:** XIV IASTED International Conference on Robotics and Application, Massachusetts, USA, November 2009.

**Prof. A.P. Mittal:** ISBA Annual Conference and R@W. (Research at Work) Expo held at India Habitat Centre, New Delhi, 8-10 February 2010.

**Dr. (Mrs.) Duru Arun Kumar:** International conference on Society-Culture- Technology at the Dawn of the 21st Century held at Krakow, Poland, 21-22 May 2009.

**Dr. J. Jena:** Conference on Hyperbolic and Parabolic PDE's with applications in the Deptt. of Mathematics, Indian Institute of Technology Bombay, 20-23 November 2009.

**Dr. (Mrs.) Parul Garg:** National Conference on Communication (NCe) 2009 held at Guwahati, 16-18 January 2009.

**Mrs. Purna Gaur:** Student Congress at Singapore University, 15-19 July 2009.

**Dr. (Mrs.) Smriti Srivastava:** International Conference IEEE TENCON 2009 held at Singapore, 23-26 November 2009.

**Dr. Vijayant Aggarwal:** IASTED International Conference on Robotics & Applications held at Cambridge, Massachusetts (USA), 2-4 November 2009.

**Prof. A.K. Dubey:** Participated as invited speaker to International Conference on Emerging Trends in Biotechnology held at BHU, Varanasi, 4-6 December 2009.

Attended as Guest of Honour and delivered Keynote Address on 'Biotechnological Exploitation of microalgal Biomass', National Seminar on 'Emerging Trends in Cell and Nano-Biotechnology', Department of Biotechnology, GITAM University, Visakhapatnam, 11-12 December 2009.

Participated as Chief Guest in National Seminar on 'Current Trends in Bioprocess Technology' and delivered the Inaugural address, 'Is Oil from Algae the Future'.

## **Publications**

### ***Research Articles in Books or Scholarly Journals***

**Kathikeyan, N., Prasanna, R., Sood, A., Jaiswal, P., Nayank, S. and Kasushik, B.D. 2009.** 'Physiological characterisation and electron microscopic investigation of cyanobacteria associated with wheat rhizosphere'. *Folia Microbiologica*, 54(91): 43-51.

**Radha, Nain, L., Ancha, R., Srikrishna, J. Joshi, M. and Kaushik, B.D. 2009.** 'Rhizosphere dynamics of inoculated cyanobacteria and their growth-promoting role in rice crop'. *Egyptian Journal of Biology*, 11: 26-36.

**Kaushik, B.D. 2009.** 'Development in cyanobacterial biofertilizers'. In: *Algal Biology and Biotechnology*, eds, JISA Khattar, D.P. Singh and Gurpreet Kaur. New Delhi: I.K. International Publishing House, pp. 97-108.

**2009.** 'Diversity and environmental significance of freshwater algae-A Blue green Algae Perspective'. In: *Biology and Biodiversity of Micro algae*, ed., Anand, N., Published CAS in Botany University of Madras, Chennai.

**Radha Prasanna and Kaushik, B.D. 2010.** 'Evolutionary relationship among cyanobacteria, algae and plants: Revisited in the light of Drawinism'. In: *Nature at Work*, ed. Sharma, V.P. The National Academy of Sciences, India, pp. 119-40.



**Dubey, A.K., Bhardwaj, P.R., Varghese, J.N. and Macreadie. 2009.** 'Alzheimer's amyloid beta rescues yeast from hydroxide toxicity'. *J. Alzheimers Dis.*18, 31-33.

**Bharadwaj, P., Dubey, A.K., Masters, C., Martins, R. and Macradie, I.G. 2009.** 'AB aggregation and its implication in Alzhiemer's disease'. *J.Cell.MoIMedicine*, 13, 412-21.

**Chak, S.K. and Rao, P.V.** 'Machining of sic by ECDM process using different electrode configuration under the effect of Pulsed DC'.

**Aggarwal, V., Nakra, B.C. and Mittal, A.P. 2009.** 'Inverse kinematics of manipulator using weighted fuzzy clustering method for fuzzy training data'. *Int. J. Artificial Intelligence and Soft Computing*, 1(2-4).

**Senani, R., Bhaskar, D.R., Gupta, S.S. and Singh, V.K. 2009.** 'A configuration for realizing linear, voltage-controlled resistance, inductance and FDNC elements', *International Journals of Circuits Theory and Applications* (Ireland), 37(5): 709-19, June 2009.

**Gupta, S.S., Bhaskar, D.R., Senani, R. and Singh, A.K. 2009.** 'Inverse active filters employing CFOAs', *Electrical Engineering: Archiv fur Elektronik*, Germany, 91: 23-26, June 2009.

**Gupta, S.S., Sharma, R.K., Bhaskar, D.R. and Senani, R. 2010.** 'Sinusoidal oscillators with explicit current output employing current- feedback op-amps', *International Journals of Circuit Theory and Applications* (Ireland, 8), (2): 131-47.

**Bhaskar, D.R., Senani, R. and Singh, A.K. 2010.** 'Linear sinusoidal VCOs: new configurations using current-feedback-op-amps', *International Journal of Electronics* (UK), 97(3): 263-72.

## P.G.D.A.V. COLLEGE

### Honours/Distinctions

**Ms. Mini Walia:** Awarded Ph.D. degree by Jamia Millia Islamia, New Delhi.

### Seminars/Conferences attended

**Ms. Garima Gaur:** Presented a paper 'Online search techniques' in a workshop on 'Information literacy and competency' organized by Delhi University Library System, 23-24 February 2010.

**Sh. Phool Chand:** Presented a paper 'Exchange Rate Regime and Current Accounts Balance in India-Study of three Policy Period', ILLL Seminar, 4 February 2010.

Presented a paper on 'Equity and Efficiency of Foreign Direct Investment in Indian States' in the XLVI Annual Conference of the Indian Econometric Society organized by Department of Economics, University of Jammu, 4-6 March 2010.

**Dr. Meera Khare:** Keynote address at ASI & INTACH Seminar, DCAC, Delhi University, November 2009.

**Sh. Vijay Kachroo, Dr. Meera Khare, Ms. Sarbani Kumar, Sh. Vishal Chauhan and Sh. Vineet:** Participated in ICHR Seminar at Lakshmibai College, 8 August 2009.

**Dr. Darvindra Kumar:** Presented a paper 'Transient Solution of a Queue with Environmental Effects' and Catastrophic Effect' in the XVIII International Conference IMST 2009 at Jaypee University of Information Technology, Solan, 2-4 August 2009.

**Sh. Manoj Kumar Sinha:** A Symposium on 'Concepts, Definition and Data Issues Relating to FDI in India', organized by ISID and RIS, 16 March 2010.

UGC-sponsored National Seminar on 'Corporate Laws: Contemporary Issues', organized by S.B.S. College, Delhi University, 4-5 December 2009.

UGC-sponsored Workshop on 'International Financial Reporting Standards Implications for India', organized by Indian Accounting Association Delhi Chapter and CPDHE, 7-8 November 2009.

### **Publications**

**Kumar, S. 2009.** *Computer Application in Business* jointly with Kumar, V. School of Open Learning. Eden's Press.

*Environment Accounting and Reporting Theory, Law and Empirical Evidence.* New Century Publications.

**Bagla, B.S. 2010.** *Nyaye Ka Swarop*, Hindi Translation of Amartya Sen's *The Idea of Justice*. Delhi: Rajput & Sons.

**Pahuja, S. 2009.** 'Relationship between Environmental Disclosures and Reporting and Corporate Characteristics: A study of Large manufacturing Companies in India', *Social Responsibility Journal*, 5(2), UK.

2009. 'Environmental Accounting and Reporting Standards', *Indian Journal of Accounting*, XXXIX(2), June 2009.

2009. 'Towards Sustainability Accounting and Reporting in Social Responsibility Research Network', Newsletters in 2009.

## **P.G.D.A.V COLLEGE (EVENING)**

### **Major Activities**

The College excelled in the field of sports at the University and Inter-Zonal levels. The Students' Union of the College has been active throughout the year. They organized a musical evening and the festival FALAK 2009-10 with the Cultural Society of the College.

The various events in this programme were Inter-College Debate, Antakshari, Drama, Poetry, Drawing/ Painting and Western and Classical Indian Dance and Shyam-e-Ghazal for Various educational tours for the students were organized. A number of programmes in the form of seminar, quiz, debate, talk, etc. were organized by different student societies.

#### **Seminars/Conferences attended**

**Dr. R.C. Sharma:** Attended a National Seminar 'Ramdhari Singh Dinkar Ki Sanskriti Chetna' and Dinkar Ki Kavya Chetna', organized by Delhi University.

**Dr. Krishna Shukla and Sh. Ramesh Kanwar:** Attended a Seminar 'Contemporary Issues in Management' at Shri Guru Teg Bahadur Khalsa College.

**Sh. Ramesh Kumar:** Attended a Conference on Ethical Dimension of Governance at Deshbandhu College (Evening).

**Sh. K.K. Madhok:** Attended a Conference on New Paradigms and Strategies organized by Delhi University.

**Dr. S.R. Raj:** Attended a Conference on Naxalism in India organized by IIP.

**Dr. (Mrs.) Jayostna Prabhaker:** Attended a Seminar 'Eastern and Western Aesthetic Thinking', organized by D.N. College, Meerut.

**Dr. (Mrs.) Meena Sharma:** Attended a Seminar 'Nari ke Jeevan Star per Dharma aur Jati ka Prabhav' organized by Ginni Devi Modi Girls P.G. College

**Dr. Harish Arora:** Attended an International Seminar 'Samajik Sarokar aur Samachar ka Badalta Svaroop' organized by R.D. National College, Mumbai.

**Dr. (Mrs.) Asha Rani, Dr. Harish Arora and Dr. Onkar Lal Meena:** Attended a seminar 'Sahitya ki Sarthakta', organized by Shri Guru Nanak Dev Khalsa College, Delhi.

**Mrs. Udita Agrawal:** Attended a National Conference on History of Mathematical Sciences organized by the Department of Mathematics, Delhi University.

#### **Publications**

**Arora, H. and Singh, A.K. Joint Lekhan,** (i) Adhunik Kavi, (ii) Ek Vimarsh, (iii) Jan Sanchar, (iv) Srajanatmak.

**Sharma, M.** Bhasha, Media Aur Srajanatmak Lekhan.

**Sharma, R.C.** Agy Ki Kavita Mein Parampara Aur Prayog.

### **RAJDHANI COLLEGE**

#### **Library Development**

Total budget	:	₹ 125,4900
Journals Magazines subscribed to	:	55

## **New Additions**

D.S. Tiwari - Sanskrit

Sonia Lumb - Physics & Electronics

## **Appointments of faculty members to higher Posts/Assignments**

**Rachna Sethi:** Member, research team of Sahitya Akademi project on 'Narrating and Translating Women's Cultural Heritage in Chamba'.

**S.K. Dhaka:** Reviewer for the International Journals *Geophysical Research Letters* (USA), *Annales Geophysicae* (France) and *Journal of Met Soc of Japan*.

**Rajesh K. Jha:** Participated as Nodal Officer of the college in the interactive Workshop organized by World Lung Foundation, South Asia.

**Shriram Oberoi:** Appointed Member of the Committee for Preparing the Curriculum for the paper 'Character Building and Holistic Development of Individual's Personality' for 1st to XIIth Standard students.

## **Honours/Distinctions**

**Dr. Vijay Laxmi Pandit:** Chaired, Session 572 on 'Policy Issues for Socialization and Education', at the XI World Congress of the International Political Science Association (IPSA) at Santiago, Chile, 12-16 July 2009.

Nominated Member of the Expert Committee constituted by UGC to assess the XI Plan financial requirements of colleges affiliated to Sant Baba Gadke Amravati University, Amravati; Nagpur University, Maharashtra; Magadh University, Bodh Gaya; Patna University, Patna; and J.P. University, Chhapra, Bihar.

Appointed Book Reviews Editor of the information Journal, being brought out by the IPSA's Research Committee on Political Socialization and Political Education.

**Chander Shekhar Singh:** Name entered in the *International Linguists Directory* of 'The Linguist List,' Eastern Michigan University, USA.

**Nawal Kishore:** Appointed Nodal Officer for Commonwealth Games 2010 by the Government of India.

**Mukta Sharma:** Recognized as Distinguished Teacher in Chemistry by the University of Delhi. The award given by Dr. A.P.J. Abdul Kalam, Former President of India.

**Mitra Ved Shukla:** Honoured by Narayani Sahitya Akadami, New Delhi, in the World Book Fair, Pragati Maidan, New Delhi.

**J.N. Sinha:** Invited UGC Visiting Fellow by the Centre for Advanced Studies, Department of History, University of Burdwan, West Bengal, to deliver a series of lectures on aspects of the history of science and social history.

Chaired a session at the National Seminar on 'Bengal and Anti-Imperialistic Attitude in the 19th and 20th Century', held at Barjora College, University of Burdwan, Barjora, West Bengal.

Chaired a session of the National Meet on History of Mathematical Sciences, sponsored by DST and held at the University of Delhi, Delhi.

**Sushil Kumar:** Received the certificate of merit for standing Second in the Research Paper/Poster Paper Competition at 'Confluence 2010 - The Next Generation Information Technology Summit', organized by Amity School of Engineering and Technology, Noida (U.P.).

**Shriram Oberoi:** Chaired a one-day Seminar on 'Character Building and Holistic Development of Individual's Personality', held at Aligarh.

#### **Seminars/Conferences held**

'Lost and in Translation: Indian Writers, Translators, Texts and Contexts', University Grants Commission, Sahitya Akademi and English Literary Association, Rajdhani College, 1-2 February 2010.

#### **Seminars/Conferences attended**

**Dr. Vijay Laxmi Pandit:** Presented 'Democracy: A Study of Attitude of Indian Youth', in Session 570 of the XXI World Congress of the International Political Science Association, held at Santiago, Chile. 12 July 2009.

Presented a paper in the German-Indian Expert Seminar on 'Urbanization and Global Change in India', organized by Colonge University and the School of Planning and Architecture at Delhi, 31 October-7 November 2009.

Participated in the ILLL-Microsoft Workshop for Senior University Officials conducted by the Institute of Lifelong Learning, Delhi University, 13-14 November 2009.

Participated in a National Seminar sponsored by UGC and Sahitya Akademi, 'Lost and in Translation: Indian Writers, Translators, Texts and Contexts', held at Rajdhani College, 1-2 February, 2010.

**J.N. Sinha:** Presented 'Planning and Technology for National Reconstruction', at XXIII International Congress of History of Science and Technology held at Budapest, Hungary, July-August 2009.

**R.D. Sharma:** Presented 'Generalized Open Fuzzy Sets', in the International Conference held near Prague Czech Republic, 21-24 May 2009.

**S.K. Dhaka:** Presented 'General Features of Gravity Waves during Convection at Gadanki (13.5N, 79.2E) and Kota Tabang (0.200S, 100.30E) using Radars and some Future Projections', in an International Seminar on 'Atmospheric Science', at Research Institute of Sustainable Humanosphere, Kyoto University, Japan, 1 May 2009.

**Om Prakash:** Presented a paper in the Workshop on 'Law, Social Thought and Global Governance', held at Brown International Advanced Research Institute, Rhodes Island, USA, May-June 2009.

**J.S. Aggarwal, Rajni Grover, Banty Kumar. Poonam Pipil and Manisha Singhal:** Participated in the 6th Indo-Italian Workshop on 'Chemistry and Biology of Antioxidant', organized by the Department of Chemistry, Delhi University, 10-11 December 2009.

**Priyanka Kaushik and Mohini Aggarwal:** Participated in the International Conference on Issues in Finance and Economic Development in Developing Countries during Globalisation Era, organized by Shri Ram College of Commerce, 6-7 November 2009.

**Shafiqul Alam and Amit Sarwal:** Participated in a three-day International Seminar on 'Inhabiting this Hour: John Milton, His Bequest, 1608-2010', organized by the Department of English, Delhi University, 17-19 February 2010.

**Amit Sarwal:** Presented 'Forever India: Negotiating Australia in the Short Stories of Indian Diaspora', in the 5th International Conference on India and Australia: Negotiating Change, organized by the Indian Association for the Study of Australia, Australia-India Council, Indira Gandhi National Open University and Goa University, Goa, 18-21 January 2010.

**Rachna Sethi:** Participated in an International Seminar on 'Globalisation and Cross-cultural Communication', held at Shri Ram College of Commerce, 2 December 2009.

**Ved Mitra Shukla:** Presented 'Issues of Gender, Race and Identity: An Analysis of Jhumpa Lahiri's *Unaccustomed Earth*', in an International Conference on Literatures of Indian Diaspora, held at Saket P.G. College, RML Avadh University, Faizabad, UP, January 2010.

Presented 'Conditions and Contexts of Meaning: A Study of Bhart[hari's Vakyapadiya', in the First Asian Philosophy Congress, held at Jawaharlal Nehru University, New Delhi.

**Sushil Kumar:** Presented 'Distortionless Data Hiding based on Slantlet Transform', with Dr. S.K. Muttoo, in the 1st International Conference on Multimedia Information Networking & Security Mines 2009, held at Wuhan, China, 17-20 November 2009.

Presented 'A Steganographic Scheme based on Error Correction Coding with Self Synchronizing Variable Length Encoding', with Dr S. K. Muttoo, in the IV International Conference on Quality.

Reliability and Inforcom Technology (ICQRIT-2009), held at Delhi University, 18-20 December 2009.

Presented 'Secure Image Steganography based on Slantlet Transform', with Dr S. K. Muttoo, in the International Conference on Methods and Models in Computer Science (ICM2CS-09), held at Jawaharlal Nehru University, New Delhi, 14-15 December 2009.

**R.D. Sharma:** Presented 'Separation Axioms in Generalized Fuzzy Topology', in the International Conference on Forum for Interdisciplinary Mathematics, held in Jaypee University, Solan, HP, 2-4 August 2009.

**S.K. Dhaka:** Participated in 'Indo-Korea Tie-up in the Area of Atmospheric Sciences based on High Speed Computers, Changing Dynamics of Indo-Korea Relations: Step Forward', at the India International Centre, New Delhi, 22-23 February 2010.

**Jagannath Ambagudia:** Presented 'Land, Law and Tribal Rights: Dispossession and the State in Orissa', at the International Seminar on 'Adivasi/ST Communities in India: Development and Change', held at the Institute for Human Development, New Delhi, 27-29 August 2009.

**Rajesh K. Jha:** Participated in the Global Roundtable on 'Intergovernmental Relations', organized by Interstate Council, Government of India, and Forum of Federations, Canada, 30 October-1 November 2009.

**Daya Shankar Tiwari:** Presented 'Medical Science in the Atharvaveda', in the World Veda Conference, held at Gurukul Kangri University, Haridwar, 20-22 November 2009.

Presented 'The Scientific Concept of Rainfall in Sanskrit Literature', in the International Sanskrit Conference organized by the Department of Sanskrit, Rajasthan University, Jaipur, 19-21 December 2009.

Participated in the International Seminar on 'Science and Technology in Ancient Texts (STAIT)', organized by the Centre for Indian Studies, University of Massachusetts, Dartmouth, USA, and Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi, held at the Special Centre for Sanskrit Studies, Jawaharlal Nehru University, New Delhi, 9-10 January 2010.

**Sanjeev Kumar Sharma:** Participated in the International Conference on Academic Libraries 2009, organized by Delhi University, 5-8 October 2009.

**J.S. Aggarwal, Rajni Grover, Banty Kumar, Mukta Sharma, Manisha Singhal and Poonam Pipil:** Participated in the ICT workshop Tier II on 'Capacity Building of Delhi University Faculty', organized by ILL, held at Rajdhani College, 11-16 January 2010.

**N.K. Gautam and Banty Kumar:** Participated in the National Symposium on 'Challenging Areas in Forensic Science', held at SGTB Khalsa College.

**Mukta Sharma:** Participated in the National Workshop on 'Role of Analytical Techniques in Industries'.

**Priyanka Kaushik and Rajender Kumar:** Participated in one-day Seminar on 'Takeover Code and Competition Law & Policy', organized by the Northern India Regional Council of Institute of Company Secretaries of India, held at New Delhi.

**Priyanka Kaushik:** Participated in the ILL-Microsoft Corporation Workshop on 'Developing Champions of ICT Capacity Building in DU', held at South Campus, 14-25 September 2009.

Convener of the 'ICT workshop Tier II for Capacity Building of Delhi University Faculty', organized by Rajdhani College, 11-16 January 2010.

Resource Person conducted XI sessions in the 'ICT workshop Tier II for Capacity Building of Delhi University Faculty', organized by Rajdhani College, 18-23 January 2010.

**Rajender Kumar and Priyanka Kaushik:** Participated in the National Seminar sponsored by UGC and Sahitya Akademi, 'Lost and Found in Translation: Indian Writers, Translators, Texts and Contexts', held at Rajdhani College, 1-2 February 2010.

**Mohini Aggarwal:** Participated in Workshop on 'The Need for Sustainable Development Education', held at TERI University, January 2010.

Participated in the ILLL 'Workshop Tier II for Computer Training', held at Rajdhani College, 18-23 January 2010.

**Rakhi Arora:** Participated in a one-day Workshop on 'The Need for Sustainable Development Education', held at TERI University, January 2010.

Participated in the ILLL 'Workshop Tier II for Computer Training', held at Rajdhani College, 18-23 January 2010.

**Shafiqul Alam:** Participated in the National Conference on Literature, Language and Technology, organized by H.M. Patel Institute of English Training and Research, Vallabh Vidyanagar, Gujarat, 23-24 May 2009.

Participated in the National Writers' Meet-cum-Seminar, 'Why Do I Write, How Do I Write', organized by Sahitya Akademi, New Delhi, 6-7 January 2010.

Participated in National Seminar, 'In Search of India: Critiquing Salman Khurshid's Sons of Babur', organized by Prof. H.C. Narang, Centre for English Studies, School of Language, Literature and Culture Studies, Jawaharlal Nehru University, New Delhi, 8 February 2010.

**Shafiqul Alam and Amit Sarwal:** Organized as Co-ordinator, 'Lost and Found in Translation: Indian Writers, Translators, Tests, and Contexts', a National Seminar sponsored by UGC and Sahitya Akademi, for the Department of English, Rajdhani College.

**Abbas S. Jafri:** Organized as Convenor, 'Lost and Found in Translation: Indian Writers, Translators, Tests, and Contexts', a National Seminar sponsored by UGC and Sahitya Akademi, for the Department of English, Rajdhani College.

**Amit Sarwal:** Participated in National Seminar on 'Constructions of the Self: Theories, Contexts, Practices', organized by the Department of English, Hansraj College, 9-11 February 2010.

**Rachna Sethi:** Participated in a Workshop on 'Narrating and Translating Women's Cultural Heritage in Chamba', at Pataudi Palace, 2 December 2009.

Presented 'Narrating Chamba through Stories and Songs', in a Workshop at Indian Institute of Advanced Study, Shimla, 2-3 July 2009.



Part of panel discussion on 'Chambali Music and Visual Resources', in a two-day Workshop at Indian Institute of Advanced Study, Shimla.

Participated in the National Seminar sponsored by UGC and Sahitya Akademi, 'Lost and Found in Translation: Indian Writers, Translators, Texts and Contexts', held at Rajdhani College, 1-2 February 2010.

Participated in a Workshop on 'Cultural Diversity, Linguistic Plurality and Literary Traditions in India', held at Institute of Life-Long Learning, Delhi University, 10 February 2010.

Presented 'Gaddi Community of Western Himalayas', at the International Seminar on 'Managing Diversity: Oral Cultures as Resource in Indigenous Communities in Canada and India', held at South Delhi Campus.

**Ved Mitra Shukla:** Presented 'Blended Learning and the Problem of Syllabus-Making in English', in a National Workshop on 'Quality Assurance Through Blended Learning', held at Maitreyi College, January 2010.

**Ved Mitra Shukla, Surendra Kumar, Chander Shekhar Singh and Madhu Verma:** Participated in the National Seminar 'Lost and Found in Translation: Indian Writers, Translators, Texts and Contexts', sponsored by UGC and Sahitya Akademi, held at Rajdhani College, 1-2 February 2010.

**Madhu Verma:** Delivered a Special Lecture on 'Kavya- Srijan Ki Prakriya', in Kalindi College, 25 November 2009.

Participated in the National Seminar on 'Haavi Hota Bazaar aur Television Patrakarita', held at PGDAV (Eve.) College, 20 January 2010.

Participated in the National Seminar on 'Bharat ka Badalata Paridrishya aur Hindi Sahitya ki Bhoomika', held at PGDAV (Eve.) College, 10-11 February 2010.

Participated in a Seminar on 'Patrikarita ke Keshtra Mein Rozgar ki Sambhavanayein'. Vivekananda College, 19 February 2010.

**J.N. Sinha:** Delivered a lectures on 'Anti-Imperialistic Attitude and Local History' and 'Anti-Imperialistic Stand of the Scientists in Colonial Bengal' in the National Seminar on 'Bengal and Anti- Imperialistic Attitude in the 19th and 20th Century', held at Barjora College, University of Burdwan, West Bengal, February 2010.

Delivered an invited talk on 'Mathematical Sciences and the Second World War: The Indian Experience', in the National Meet on History of Mathematical Sciences, sponsored by DST and held at Delhi University, January 2010.

**Ashish Bansal, Krishna Threja and Umesh Kumar:** Participated in the National Meet on History of Mathematical Sciences, held at Conference Centre, Delhi University, 7-9 January 2010.

**Ashish Bansal, Krishna Threja, Umesh Kumar and Sonia Lumb** Participated in the 'ICT workshop Tier II for Capacity Building of Delhi University Faculty', organised by Rajdhani College, 18-23 January 2010.

**Sushil Kumar:** Presented 'Opportunities, Challenges and Recent Trends of Cloud Computing', at 'Confluence 2010 - The Next Generation Information Technology Summit', organized by Amity School of Engineering and Technology, Noida, 20-23 January 2010.

Presented 'An Overview on Wavelet-like Transforms in Image Data Hiding' with Dr S. K. Muttoo at the IndiaCom 2010, National Conference on Computing for Nation Development, BVICAM, New Delhi, 25-26 February 2010.

**Umesh Kumar:** Participated in Workshop on 'Mathematical Awareness', organized by ILLL, South Delhi Campus, Delhi University, 14-16 September 2009.

**S.K. Dhaka:** Participated in 'Relationship of Solar Variability and Convective available Potential Energy (CAPE) on Temperature in the Tropopause Area over Indian/Indonesian Region', CASES India: Phase-II, Science Programme Workshop, organized by National Atmospheric Research Laboratory, Gadanki, India, 9-11 July 2009.

Participated in the National Workshop on 'Einstein and Special Theory of Relativity', at DDU College, 6 November 2009.

**Sonia Lumb:** Attended a Public Lecture by Prof. Umesh K. Mishra, University of California, Santa Barbara, USA, on 'Gallium Nitride: An Amazing Semiconductor with a Breadth of Applications', organized by the University of Delhi under the University Lecture Series at the University Convention Hall.

**Divya Singh:** Participated in the National Seminar sponsored by UGC and Sahitya Akademi, 'Lost and Found in Translation: Indian Writers, Translators, Texts and Contexts', held at Rajdhani College, 1-2 February 2010.

Resource Person conducted eleven sessions in the 'ICT workshop Tier II for Capacity Building of Delhi University Faculty', organized by Rajdhani College, 11-16 January 2010.

Convener of the 'ICT workshop Tier II for Capacity Building of Delhi University Faculty', organized by Rajdhani College, 18-23 January 2010.

Participated in the ILLL-Microsoft Corporation Workshop on 'Developing Champions of ICT Capacity Building in DU', held at South Campus.

Attended a Public Lecture by Prof. Umesh K. Mishra, University of California, Santa Barbara, USA on 'Gallium Nitride: An Amazing Semiconductor with a Breadth of Applications', organized by Delhi University under the University Lecture Series at the University Convention Hall.

**Sarangthem Santinath Singh:** Presented a paper in the UGC-DAE Consortium for Scientific Research Mumbai Centre, Project Review Meeting, Bhabha Atomic Research Centre, Mumbai, 16 November 2009.

**Jagannath Ambagudia:** Presented 'Deprivation, Violence and Dissonance: Understanding the Contemporary Community Conflicts in Orissa', at the Seminar on 'Society and the State in Contemporary India: Intersectional Approach to Class Analysis', jointly organized by India International Centre and Council for Social Development, New Delhi, 20-21 August 2009.

Participated in the National Seminar sponsored by UGC and Sahitya Akademi, 'Lost and Found in Translation: Indian Writers, Translators, Texts and Contexts', held at Rajdhani College, 1-2 February 2010.

**Rajesh K. Jha:** Participated in the National Seminar sponsored by UGC and Sahitya Akademi, 'Lost and Found in Translation: Indian Writers, Translators, Texts and Contexts', held at Rajdhani College, 1-2 February 2010.

**Nawal Kishore:** Participated in the 'ICT workshop Tier II for Capacity Building of Delhi University Faculty', organized by Rajdhani College, 18-23 January 2010.

Organized a Public Lecture by Swami Agnivesh, President Sarv Dharma Sansad, on 'Spirituality and Social Change: Indian Youth in 21st Century', at Rajdhani College, 12 February 2010.

Participated in a National programme titled 'Himalayan Wonderland: Travel in Lahaul- Spiti', held at Teen Murti House, New Delhi, 5 March 2010.

**Shriram Oberoi:** Participated in the National Seminar on 'Vedic Mathematics', organized by JEC College of Engineering and Research, held at Jaipur, Rajasthan, 13-14 February 2010.

**Om Prakash:** Presented a paper in a National Seminar at Krantijyoti Savitribai Phule Women's Studies Centre, University of Pune, December 2009.

**Daya Shankar Tiwari, Om Prakash and Sanjeev Kumar Sharma:** Participated in the National Seminar 'Lost and Found in Translation: Indian Writers, Translators, Texts and Contexts', held at Rajdhani College, sponsored by UGC and Sahitya Akademi, 1-2 February 2010.

**Daya Shankar Tiwari:** Presented 'Bhojpuri par Sanskrit Bhasa ke Prabhava', at the National Seminar on 'Sanskrit Language and Modern Indian Languages' organized by Kalindi College, 18-19 February 2010.

**Sanjeev Kumar Sharma:** Participated in the National Seminar on 'Relevance of Dr S. R. Ranganathan in the Present Era', organized by the Department of Library and Information Science.

Participated in the 'ICT workshop Tier II for Capacity Building of Delhi University', organized by Rajdhani College, January 2010.

**Chander Shekhar Singh:** Invited to deliver a series of lectures on conversational skills in Hindi for Korean students of Hankuk University of Foreign Studies and Busan University of Foreign Studies, Seoul, South Korea, organized by the Department of Linguistics, University of Delhi.

## Publications

### Books

**Jha, R.K. 2009.** *Evaluating Parliamentary Committees and Committee System: Changing Contours of Governance & Policy*. New Delhi: Social Watch India.

**Sharma, S.K., Chhabra, M., Saxena, R. and Singh, S. 2009.** 'Green Approach of Chemical Immobilization of Lead in Metal- Contaminated Soils of NCT of Delhi Using Coal Fly Ash'. *International Journal of Applied Chemistry*, 5(2): 63-71.

**2009.** 'Green Approach of Chemical Immobilization of Lead in Metal -Contaminated Soils of NCT of Delhi using Rock Phosphate'. *Environmental Science*, 4(5).

**Shukla, V.M. 2010.** 'Gandhi-jayanti manaie Godason ne. Parikatha. 5.24. Shukla, Ved Mitra. Jan. 2010. Ghazal. *Argalaa 2.1*.

**Kumar, S. 2009.** 'Robust Source Coding Steganographic Technique using Wavelet Transform'. *BVICAM' BIT 1.2*.

**Dhaka, S.K., Sapra, R., Panwar, V., Goel, A., Bhatnagar, R., Kaur, M., MandaI, T.K., Jain, A.R., and Chun, H.Y. 2010.** 'Influence of Large-Scale Variations in Convective Available Potential Energy (CAPE) and Solar Cycle over Temperature in the Tropopause Region at Delhi (28.30N, 77.1oE), Kolkata (22.30N, 88.20E), Cochin (10oN, 77oE) and Trivandrum (8.50N, 77oE) using Radiosonde during 1980-2005'. *Earth Planet Space*, 61: 1-13.

**Singh, S.S. 2009.** 'Structural Evolution of Aging Agar-gelatin Co-hydrogels'. *Polymer*, 50.5589.

**Ambagudia, J. 2009.** 'Reading Conflicts in the Context of 'Ethnicity' in Orissa'. *Think India Quarterly*, 12(2).

**2009.** 'Development Without being Developed: Tribal Welfare Measures in Orissa'. In *Dynamics of Modern Democracy: The Indian Experience*, ed. M. R. Biju. New Delhi: Kanishka Publishers and Distributors.

**2009.** 'Urban Local Government in India: Expecting Too Much from Too Little'. In *Urban Governance: Major Issues and Challenges*, ed. Rajvir Sharma. New Delhi: Research India Press.

## RAM LAL ANAND COLLEGE

### Major Activities

The College faculty consists of more than 60 teachers, including many internationally distinguished scholars in various Departments. Apart from teaching, the College organized various activities such as academic seminars, training workshops, interactive discussions and talks by eminent speakers, trekking and field trips. A large number of activities were held to engage students' varied interests and encourage the latent talents among them such as debating, theatre, photography and painting.

## **Special Grants/Assistance/Projects**

### **Awarded to the College:**

₹ 15,00,000 for creation of two synthetic basketball courts in the College premises under the Legacy Plan of Commonwealth Games Delhi-2010 – Promotion of Community Sports.

₹ 97,00,000 as non-recurring grant and ₹ 2,00,00,000 as recurring grant for undertaking repair and renovation of the existing infrastructure of College.

### **Awarded to individual teachers :**

₹ 10,84,000 against salary and research grant to Dr. Neena Mital, Associate Professor in Statistics.

## **Library Development**

Total Budget	:	₹ 3,18,000
Books added	:	1,048
Journals subscribed	:	60
Special Grant Received	:	₹ 5 Lakh

## **Seminars/Conferences attended**

**Dr. Vijay K. Sharma:** Attended a National Seminar on 'The Author in Search of an Audience' at Chandigarh Sahitya Academy, Chandigarh.

Attended a National Seminar on 'Literature of Farmland (1850-1950)' at the Dept. of English, BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, Haryana.

Presented paper in 54th All India Teachers' Conference at Amrawati, Maharashtra.

Guest of Honour at National Conference on Technolingual Communication at PS Institute of Technology, Kanpur.

Delivered the Keynote Address in the National Conference on Importance of Soft Skills in Liberalization, Privatization and Globalization Era at Krishna Girls Engineering College, Kanpur.

Chaired a session in the National Conference on Importance of Soft Skills in Liberalization, Privatization and Globalization Era at Krishna Girls Engineering College, Kanpur.

Chaired a session in the National Seminar on 'Bhartiya Bhasha Samasya aur Mahatma Gandhi' at Motilal Nehru College, Delhi University, New Delhi.

Chaired a session in the International Conference on 'Contemporary Issues: Literature and Culture since 1980' at Dept. of English, Panjab University, Chandigarh.

**Dr. Neelam Rishikalp:** Attended a National Seminar on 'Cast, Religion and Status of Women, A Historical Analysis' held at Ch. Charan Singh University, 14-15 January 2010.

**Dr. Sanjay Kumar:** Participated in National Seminar on 'Jansanchar Madhyam aur Hindi Bhasha' at Hansraj College, 28-29 January 2010.

Participated in a National Seminar on 'Bharat Ka Badalta Paridrashya aur Hindi Sahitya' at PGDAV College (Evening), 10-11 February 2010.

**Dr. Seema Gupta and Dr. Mukta Dutta Mazumdar:** Attended the National Meet on History of Mathematical Sciences at Conference Centre, Delhi University.

**Mr. Gautam Chakrabarti:** Read a paper 'Lumpaid for the Blei: the Socio-Political Resonances of a Religio-Cultural 'Tribal' Discourse', at Domus Dorpatensis, Tartu, Estonia, during the International Symposium on 'Stories about India and Indian Stories: Expressive Culture and the European Understanding', organized by the Department of Estonian and Comparative Folklore and Research Centre of Culture and Communication, University of Tartu, the Centre of Excellence in Cultural Theory (CECT), and the India Platform U Gent, Ghent University.

Read a paper 'Sacralised Squirrels: Ambient Nature-Images in Ambai's Oeuvre', at the Institute of South and Central Asia, Philosophical Faculty, Charles University in Prague, Czech Republic, during 'Pandanus'09: International Seminar on Nature in Literature, Art, Myth and Ritual in Memoriam Kamil V. Zvelebil', which was sponsored by the Czech Ministry of Education and ICCR, New Delhi.

Read a paper 'Koî to Zimmâ le: Sudeep Sen and the Translator's Burden', at Rajdhani College, Delhi University, New Delhi, during the two-day UGC-and Sahitya-Akademi-sponsored National Seminar on 'Lost and Found in Translation: Indian Writers, Translators, Texts and Contexts'.

### **Publications**

**Dabas, S.C. 2009.** *Narender Mohan ka Natya Karm*, ed. Singh, G.C. New Delhi: Sanjay Publication.

Aug-Sept 2009, '*Sahitya Silsila*', Jalandhar, Punjab.

**Gaur, A.** '*Prasad ki Natya Sanrachnaao me Natya Geeton ki Bhumika*', *Hindi Natak – Nayi Parakh* (ed.) Gautam, R.

**Gupta, V., Gupta, R.K., Khare, G., Surolia, A., Salunke, D.M. and Tyagi, A.K. 2010.** 'Structural ordering of disorderd ligand binding loops of biotin protin ligase into active confirmation as a consequence of dehydration'. *PLoS ONE*, 5(2): e9222.

**Gupta, V., Gupta, R.K., Khare, G., Bhat, R. and Tyagi, A.K. 2009.** 'Dissecting the Role of Critical Residues and Substrate Preferences of a Fatty AcylCoA SYNTHETASE (fADd13) Mycobacterium tuberculosis'. *PLoS ONE*, 4(12): e8387.

**Gupta, V., Gupta, R.K., Khare, G., Surolia, A., Salunke, D.M. and Tyagi, A.K. 2009.** 'Crystal structure of Bfr A from Mycobacterium tuberculosis: Incorporation of Selenomethionine Results in Cleavages and Demetallation of Haem'. *PLoS ONE*, 4(11): e8028.

## RAM LAL ANAND COLLEGE (EVENING)

### Major Activities

The Physical Education Department organized the 2nd edition of a 6-day Team Building Development Programme 'ROISTER 2010' in January 2010. More than 500 students from different Colleges of the University running the B.A. (Hons.) Business Economics course participated in the programme. The task was successfully completed through 3 months of hard work put in by the students of Business Economics who were provided vision and direction by the Department of Physical Education of the College. The 2nd edition of this event will certainly act as a slow but steady step towards making the College a brand.

### Special Grants/Assistance/Projects

**Awarded to the College :** ₹ 5 lakh for books under OBC expansion.

### Library Development

Total Budget	:	₹ 3.5 lakh
Books added	:	1,311
Journals subscribed	:	36

### Seminars/Conferences attended

**Dr. B. Mangalam:** Presented papers at the International Conference on Milton Studies held by the Department of English, Delhi University, and another held by the Women's Studies and Development Centre, Delhi University, on Agency and Autonomy for Marginalised Women.

**Dr. Kartikeya Kohli:** Participated as a resource person in the prestigious SEPHIS International Workshop, Indian Ocean Studies, 'Studying the Indian Ocean: New Methodological Approaches and Writing Connected Histories' held under the aegis of the Dutch organization SEPHIS to promote South-South cooperation, at Jamia Millia Islamia, 30 November-3 December 2009.

**Dr. Surajit Deb:** Attended the Global Development Network's Research Communication Policy Workshop held in Colombo, Sri Lanka, 2-3 December 2009, and also participated in the 10th Annual Symposium on Poverty Research organized by the Center for Poverty Analysis, Colombo, Sri Lanka, 4-5 December 2009.

**Mr. Dharam Kumar:** Attended International Conference on Academic Libraries organized by Delhi University, October 2009.

International Conference on Digital Libraries organized by TERI and IGNOU, 23-26 February 2010.

National Conference on Financial Management of Library Information Centres in e-environment organized by Delhi Library Association and IARI, 31 May 2009.

National Conference on Problems of College Libraries in Digital Era organized by Aggarwal College, Ballabhgarh, 24-25 October 2009.

National Workshop on 'Quality Assurance Through Blended Learning' organized at Maitreyi College, Delhi University, 19-21 January 2010.

**Dr. J.K. Singh:** Presented a paper titled 'A Study of Equity Prices in Financial Derivatives Market in India' in the National Conference on Emerging Issues in Indian Financial Market conducted by Jaipuria Institute of Management, Noida.

Awarded first prize by the Institute of Company Secretaries of India on 27 October 2009 for his article titled 'Demerger of Undertaking – A Study of Recent Cases in India' published in July 2008 issue of the *Journal Chartered Secretary*, Vol. 38.

## RAJKUMARI AMRIT KAUR COLLEGE OF NURSING

### Library Development

Total Budget	:	₹ 9,30,000
Number of Books added	:	58
Journals subscribed	:	44

### Honours/Distinctions

**Dr. (Mrs.) Harinderjeet Goyal and Dr.(Mrs.) Molly Babu:** Awarded Ph.D. degree in Nursing by Delhi University.

## SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN

### Major Activities

The College runs programmes for the Centre for Entrepreneurship and Career Oriented Programme (CECOP), University of Delhi. This year a short-term course 'Object Oriented Programming using C++' was organized by the college and the centre in collaboration with Quality Council of India.

The students of Food Technology celebrated World Food Day on 16 October 2009. The Biomedical Science and Computer Science students organized technical festivals 'Plexus' and 'Tech Melange-2010'.

A workshop on 'Communication skill building programme' was conducted by the College in collaboration with Anthem Academy. The College also organized a workshop on 'Entrepreneurship Awareness Programme' in collaboration with Hardicon. The Career Development Cell of the College organized lectures on Career Development. Professionals from various organization like TIME/SIEC (Spirit of International Education & Careers) and ANITOONS (Spirit of Animation) interacted and guided the students regarding career development.



## Library Development

Total Budget	:	₹ 5,00,000
Journals	:	₹ 1,00,000
Non-recurring	:	₹ 1,10,000
Books added	:	316
Magazines	:	18

## Seminars/Conferences attended

**Dr. S. Lakshmi Devi:** Attended the Conference of Women's Education World Wide at Women's College in Sydney, Australia, January 2010.

**Dr. (Mrs.) Punita Saxena:** Organized and presented a paper titled 'Enumeration Technique for Set Covering, Set Partitioning and Set Packing Problems with Non linear Objective Functions: Combinational Approach' in a two-day UGC sponsored National Conference on Mathematical Techniques in Electronics and IT Industries (MATEIT-2010) under the banner of Forum for Interdisciplinary Application in Sciences (FIDAS), New Delhi, January 2010.

**Dr. (Mrs.) Jasjeet Kaur:** Presented 'A novel fluorescent small particle reagent for detecting fingerprints on non-porous surfaces', Seventh Biennial Meeting of the International Fingerprint Research Group, University of Lausanne, Switzerland, July 2009.

## Publications

**Kuanr, A.V. 2009.** 'Size dependent ferrites nano-particles; Application to microwave devices'. *Journal of Applied Physics*, 105.

**2009.** 'Giga Hertz (GHz) frequency noise suppression using nickel nanorod arrays & permalloy films'. *Journal of Applied Physics*, 105.

**2009.** 'Effect of temperature on the ferromagnetic resonance linewidth of epitaxial Fe thin films'. *IEEE Transactions of Magnetism*, 45.

**2009.** 'Microwave magnetic properties of Ni-Fe nano-strips'. *IEEE Transactions of Magnetism*, 45.

**2009.** 'Microstrip tunable band-pass filter using ferrites (nano particles) coupled lines'. *IEEE Transactions of Magnetism*, 45.

**2009.** 'Nickel nano-wires filled alumina templates for microwave electronics'. *IEEE Transactions of Magnetism*, 45.

**Kaur, J. 2009.** 'Detection of latent fingerprints: A review'. *Indian Police Journal*. 56(3): 62-66.

**Kapoor, A. 2009.** 'Long period grating refractive index sensor: Optimal design for single wavelength interrogation'. *Applied Optics*, 48(31).

**Singh, R. 2009.** 'Analysis of transmission characteristics of long period Gratings in tapered optical fibers'. *Applied Optics*, 48(31): G.95-G100.

**2009.** 'Long period gratings: Analysis and applications' in Proceedings of International Symposium on Microwave and Optical Technology (ISMOT).

**Chawla, S. 2009.** 'Use of fuzzy rough set attributes reduction in high scent web page recommendations'. Proc RSFDGrC' 09-The Twelfth International Conference on Rough Sets, Fuzzy Sets, Data mining & granular computing, Indian Institute of Technology, Delhi.

**Ansari, M.S. 2009.** 'Exogenous treatment with salicylic acid attenuates salinity stress in lentil'. 14th European Congress on Bio Technology, Barcelona, Spain.

**Vatsa, A. 2009.** 'A self organizing self healing on demand loop free Path routing protocol using mobile process groups for mobile ad-hoc networks' in Proceedings of Art Com., pp. 396-400, published by **IEEE** Press, DOI10.1109/ARTCom.

## SHAHEED BHAGAT SINGH COLLEGE

### Major Achievements

The College has a distinguished faculty. Many of the teachers are well-known authors and have many research papers and articles to their credit. Several teachers are participating in Postgraduate Cooperative Teaching in the University Departments.

### Seminars/Conferences held

The Literary Society of the Department of English organized a talk by Prof. Kapil Kapoor, currently Professor Emeritus, Jawaharlal Nehru University, New Delhi. The talk was entitled 'Understanding Natyasastra'.

The Economic Society organized a lecture session on the 'Global Meltdown – Impact on India' on the 18 September 2009. The participants were Prof. Subhanil Choudhary from Indian Council for Research on International Economic Relations and Prof. Rohit from IIT Delhi.

UGC-Sponsored National Seminar under the Directorship of Dr. G.K. Kapoor on '**Corporate Laws: Contemporary Issues**' held on 4-5 December 2009.

Seminar on 'Consumer Education' in collaboration with Indian Institute of Public Administration. The Seminar was addressed by Justice J.D. Kapoor, former President of Delhi State Consumer Redressal Commission, 17 September 2009.

### Seminars/Conferences attended

**Dr. Harish Handa and Ms. Meera Mehta:** Presented a paper 'Beyond Six Sigma and Lean Six Sigma' at a Conference organized by Indraprastha University in February 2010. Their paper entitled Sensitivity Test and Market Efficiency was also judged the best paper at a Finance Conference in Beijing, China.

**Dr. Harish Handa:** Workshop on 'Live Derivative Stock Trading' Terminal Base at National Institute of Fashion Technology, June 2009.

Keynote speaker at the Seminar hosted by Institute of Chartered Financial Analyst of India (ICFAI) in collaboration with Confederation of Indian Industries, January 2010.

Presented a paper on 'Stock Return and Market Efficiency' at a Commerce Conference at Hyderabad.

**Dr. Anil Sardana and Ms. Puja Anand Gulati:** Attended a Seminar-cum-Workshop on 'Integrating Multiple Technologies to support Teaching and Learning' organized jointly by Institute of Informatics and Communication, South Delhi Campus, and Maharaja Agarsen College, Delhi University.

**Dr. Anil Sardana and Dr. P.G. Arul:** Attended Institute of Life Long Learning-Microsoft ten-day Workshop on 'Developing Champions of ICT Capacity Building in Delhi University', August-September 2009.

**Mr. Raj Kumar Aggarwal:** Attended the International Conference held by the Institute of Chartered Accountant of India, at Agra, 3-5 July 2009.

National Convention held by the Institute of Company Secretaries of India, at Hyderabad, November 2009.

**Dr. S.B. Saxena, Dr. G.K. Kapoor, Mr. A.P. Gupta, Dr. Anil Sardana and Mr. Raj Kumar Aggarwal:** Attended the Conference on Accounting Education and Research organized by Indian Accounting Association at Gwalior, November 2009.

**Dr. Anil Sardana:** Attended Issues in Finance and Economic Development in Developing Countries during Globalisation era' organized by Shri Ram College of Commerce, Delhi University, 6-7 November 2009.

**Ms. Ruchi Gupta:** Attended the Annual UGC-SAP Seminar 2010 on 'Contemporary Issues in Global Financial Markets' organized by the Department of Financial Studies, University of Delhi, South Campus, 6 February 2010.

Attended a National Seminar on 'Ethical Dimensions of Governance' organized by Deshbandhu College (Evening), Delhi University, 15-16 February 2010.

**Dr. Suman Bala:** Panel speaker at the Seminar on 'Expressions of Marginality in Indian Writing in English' at Dayanand Girls College, Kanpur, 17 November 2009.

Attended a International Conference on Environmental Issues in Emerging and Advanced Economies: Canada and India, Gujarat University, Ahmedabad, 6-8 December 2009.

Presented a paper on 'Ecofeminism and the Challenges of Globalisation: Canada and India'.

Chaired a session on Commonwealth Literature at the 54th All India English Teachers' Conference, held at Shri Shivaji Arts and Commerce College, Amravati, 14-16 December 2009.

**Ms. Nilanjana Mukherjee:** Presented a paper titled 'Transparencies of the Empire' in the Seminar for visiting fellows at King's College.

**Ms. V. Deepa:** Participated in the Poetry Competition held during the International Conference on English Language and Literature Today in Vidya Bharati Mahavidyalaya, Amravati, on 13 November 2009. She also won third place in the First Lady President of India Poetry Competition.

**Dr. V.K. Tyagi, Dr. V.A.V. Raman and Mr. Pankaj Kumar:** Attended the 31st Indian Geography Congress of the National Association of Geographers, India, held at Rani Durgawati University, Jabalpur, November 2009.

**Dr. V.A.V. Raman:** Elected Member to the National Executive of NAGI during the Congress for 2009-2011.

**Dr. V.A.V. Raman:** Invited to deliver special lectures on 'Plate Tectonics and Himalayan Orogeny' in Kalindi College, Delhi University, and on 'Photogrammetry' at the Institute of Geoinformatics and Technology, Gurgaon.

Attended the 1st National Congress on 'Role of Women in Disaster Preparedness' organized by All India Foundation for Peace and Disaster Management, Delhi Disaster Management Authority, at the American Center, 15-16 December 2009.

**Dr. Poonam Sharma, Dr. V.A.V. Raman and Ms. Amrita Bajaj:** Attended a Seminar on 'Dilli Meri Jaan' at Miranda House, Delhi University, December 2009.

**Dr. Kavita Arora:** Attended a Seminar on 'Indonesian Polity and Geography' organized by Indian Council of World Affairs, New Delhi, July 2009.

**Mr. Suraj Mal:** Presented a paper 'Land Use, Environment and Development in Uttarakhand Himalaya, India' in SLUAS (Sustainable Land Use for Asia), winter Workshop at Hokkaido University of Education, Asahikawa, Japan, 29-30 January 2010.

**Dr. Kamlesh Kumari:** Presented a paper entitled 'Media mein samacharon ka badalta swarup' in a two-day International Seminar organized by University of Mumbai.

Presented papers 'Havi hota bazaar aur TV patrakarita ka sankat' in National Media Workshop, December 2009, and 'Bharat ka badalta paridrishya aur hindi saahitya ki bhumika' in a two-day Seminar, February 2010, at PGDAV (Evening) College.

**Dr. Rakesh Kumar Jain:** Attended the UGC sponsored National Workshop on 'Quality Assurance through Blended Learning' at Maitreyi College, Delhi University, 19-21 January 2010.

**Dr. Bageshri Chakradhar:** Participated in a Seminar 'Hindi Bhasha: Proudhyogiki Padhvat Nayi Suvidhayen' organized by Rajbhasha Department, Ministry of Home Affairs, Government of India, at Shillong, 4 February 2010.

**Dr. Anil Kharbanda:** Attended Seminar on political theory organized by Delhi University, July 2009.

**Ms. Sangeeta:** Presented a paper in a Seminar organized by ILL, Delhi University.

### **Publications**

**Bajaj, M.** 'Solid Waste Management in India' in an (ed) Vol.

**Rajput, S.** Authored a text book on Geography for class Xth Meghalaya Board, New Delhi: Sunflower Publication.

**Arora, K.** 'Forest Student Interface in Geography Pedagogy' research paper in *The Geography Teacher* Pennsylvania, USA: National Council for Geography Education.

**Gulati, P.A.** (Co-edited). *Developing Sustainable Digital Libraries: Socio-Technical Perspectives*. US: IGI Global.

**Meena, K.P.** Working as sub-editor of the Hindi Magazine *Bahuri Nahi Awana*. His writings on 'Ek diku ko Dr. Ambedkar Sahitya Samman' and 'Aadhivasi Vimarsh aur Dalit Vimarsh' published in the same magazine. His writings 'Tumhi se mohabbat, tumhi se ladayi' and 'Hashiya aur pehchan' got published in the Hindi daily *Jansatta* and 'Aadhivasi aur azaadi ke 60 saal' and 'Aadhivasi itihash: Sangarsh ka itihash hai' in the monthly magazine *Bayaan*. His poetry 'Aadhivasi Samvaad' and 'Visthapan' in Aravali Udghosh and 'Aadhivasi ka Aaspaas', 'Patte ka Bodh' and 'Baba Saheb aur Aadhivasi' in *Bayaan*.

**Kumari, K.** 'Anya se Ananya mein Naari asmita ki khoj' in a magazine *Sahridhay*.

**Mal, S.** Published two papers titled 'Application of GIS for Identification of Landfill Sites: A Case Study of Delhi' and 'Land Use/Cover Change in Nanda Devi Biosphere Reserve Using Remote Sensing, GIS and Perception Approaches' in edited publications.

**Sharma, P. 2010.** Structure and Growth of Metropolitan city.

**Bala, S.** Edited the 47th volume of Indian Journal of English Studies, the official organ of Association for English Studies in India which was established in 1940.

**Handa, H. 2010.** 'Bond yield and Market Efficiency'. *Global Journal of Business and Management*, December 2009.

## **SHAHEED BHAGAT SINGH COLLEGE (EVENING)**

### **Major Activities**

The Shaheed Bhagat Singh Memorial Lecture was delivered on 23 March 2010 by Shri Ajay Kumar, an eminent historian and authority on Shaheed Bhagat Singh.

The College had initiated the Shaheed Bhagat Singh Evening College Lecture Series two years ago to enliven the academic environment on topics of contemporary interest in diverse fields.

This year, the first lecture in the series was organized by the Department of Geography on the topic 'Understanding the Global Climate Change' on 23 November 2009. Shri B. Mukhopadhyay, Dy. Director General, Indian Meteorological Department, and Dr. Milap Chand Sharma, an expert on Glacier Geomorphology from JNU delivered the lecture.

The second lecture in the series was organized by the History Association of the College on the topic 'Rivers and Harappan Civilisation' by Professor R.C. Thakran, noted archeologist and Professor of History, University of Delhi.

The Department of Hindi organized a symposium under this series on the topic 'Bazaar, Media and Bhartiya Samaj' on 4 December 2009.

The Shaheed Bhagat Singh Memorial Inter College Debate Competition on the topic 'Women Empowerment is a Myth' was held on 23 February 2010.

Professor Abdul Khaliq Rashid, Cultural Counsellor, Embassy of Afghanistan, delivered a talk on 'Indo-Afghan Relations'.

The Fine Arts and Culture Society organized a three-day cultural festival -SPANDAN 2009 in the first week of November 2009 in collaboration with the Students' Union.

### **Seminars/Conferences attended**

**Dr. S.K. Jain:** Presented a paper on 'Federalism of India's Foreign Policy' at the International Political Science Association World Congress held in Chile, 12-16 July 2009.

**Dr. R.N. Kar:** Presented a research paper 'Appraisal of Corporate Governance Norms for Indian Corporate Enterprises: A Case Study of Satyam Computers' at the International Conference on Multinational Enterprises and Sustainable Development (MESD-2009) organized jointly by ICN Business School, CEREFIGE Nancy & Metz University, France, and Georgia Institute of Technology, USA, on 4-6 November 2009, France. His paper has been adjudged as one of the best three papers and awarded 500 Euros.

**Dr. S.K. Bandooni, Dr. V.S. Negi, Dr. Rabi Shekhar, Dr. B.W. Pandey, Dr. Anupma Hasija and Dr. Vaneeta Chandna:** Attended the International conference on Contextualizing Gender studies in South Asia, organized by Delhi University and Australian National University, 3-5 March 2010.

## **SATYAWATI COLLEGE**

### **Major Activities**

The College regularly organizes seminars in which prominent academicians, experts, social activists and journalists participate in order to impart knowledge on major national and international issues. With active participation of students, these seminars provide valuable academic inputs.

Construction of the College Auditorium Satya was completed and the same was inaugurated by the Hon'ble Chief Minister of Delhi.

## Library Development

Total budget	-	₹ 6,49,250
Number of books added	-	1844
Journals subscribed to	-	05

## New Additions

Dr. Sanjay Choudhary	-	Physical Education
Mr. Raghunath Prasad Saket	-	Economics

## SRI GURU GOBIND SINGH COLLEGE OF COMMERCE

### Major Activities

The College celebrated its Silver Jubilee in the academic year 2009-10. Founders' day celebrations were held with great zeal and enthusiastic participation of the students. The highlight of the day was the felicitation of members of teaching and non-teaching staff who have completed 25 years of service.

A Consumer Forum 'Savera: Path to Enlightenment' was formed in the College, and a Seminar was organized on 'Invest with Knowledge: Empowering Young Investors'.

A MoU was signed with the University of Fraser Valley, Canada, to facilitate student and faculty exchange.

A modern gym 'Sahibzada Jujhar Singh Gymnasium' equipped with latest gadgets and machines was inaugurated in the College premises.

### New Courses/Subjects Introduced

International Business and Politics of Globalization were introduced as optional papers in B.Com. (Hons.) – III.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Chehak Jain	BBE	I
Bhoomika Goyal	B.Com. (Pass)	II
Ayush Tiwari	B.Com. (Pass)	II

### Library Development

Total Budget	:	₹ 6,36,195.00
Books added	:	1,620
Journals subscribed	:	37

## **Seminars/Conferences held**

'Invest with Knowledge: Empowering Young Investors' was organized by the Consumer Forum.

'Banking Stability and Safety' was organized with the keynote address by Prof. Dianne Thomson, Senior Lecturer, Finance, School of Accounting, Economics and Finance, Deakin University, Melbourne.

A Seminar on 'Sri Guru Gobind Singh: Saint Soldier' was organized as a part of the Founders Day celebrations.

## **Seminars / Conferences attended**

**Dr. D.D. Chaturvedi:** Presented a paper titled, 'US Slowdown: A Global Mayhem' at Godollo University, Hungary, June 2009.

**Dr. Manjeet Kaur:** Presented a paper on 'Pichle Dhake Di Punjabi Swajivni: Ek Adhyayan' at National Seminar held at Sri Guru Nanak Dev Khalsa College.

**Mrs. Vandana Kalra:** Presented a paper titled 'A Comparative Study of Rough Set Based Decision Tree and Variable Precision Set Decision Tree: Noisy Data Sets' at 4th Indian International Conference on Artificial Intelligence at Bangalore, December 2009.

**Ms. Renu Gupta:** Presented a paper titled 'A Critical Review of the Definition of Audit with Special Reference to AAS – 1(SA 2000)' in the Sixth International Conference on Economics and Finance organized by IBS, Bangalore.

**Dr. Rekha Sharma, Prakriti Shukla, J.V. Meenakshi and Sanghamitra Das:** Presented the paper 'Determinants of Nutritional Status of Children in Rural India: NFHS 2005-06 Results' at the Fourth Annual International Conference on Public Policy and Management, IIM Bangalore, August 2009.

**Dr. Harvinder Kaur, Dr. Paramjit Kaur and Dr. Rekha Sharma:** Attended the International Conference on Issues in Finance and Economic Development in Developing Countries during Globalisation Era, Shri Ram College of Commerce, Delhi University, November 2009.

## **Publications**

### **Books**

**Kaur, H. 2009.** *Reservations in India: Recent Perspective in Higher Education.* Pentagon Press.

### **Research Articles**

**Kaur, H. 2009.** 'Special Economic Zones: Problems and Prospects and Special Economic Zones: The Real Picture'. *Indian Journal of Government and Political Studies*, Department of Political Science, Punjabi University, Patiala.



**Gill, K. 2009.** 'Chinese ODI and its impact on Indian Telecommunication Industry'. No. 026-09-10, Center for International Business Education and Research.

**2009.** 'Globalization Experience of Indian Tourism Industry'. In *Globalization and Sectoral Development*, (eds) Banga, R., Aggarwal, R. and Bhattacharya, A.N. Delhi: Excel Books.

**Dodrajka, S. 2009.** 'Rural Marketing: Challenges and Opportunities for Indian Marketers'. *Review of Professional*. New Delhi Institute of Management.

**P Dodrajka, S. 2009.** 'CCM: A new paradigm in TQM and Human Resources'. *Abhigyan*, FORE School of Management.

**Kaur, P. 2009.** 'Stock Market Reforms, Corporate Financing and Savings'. *Finance India*, 24(4).

## SCHOOL OF OPEN LEARNING

### Major Activities

SMS service for the students of SOL have been started. Now students can get latest customized updates on their mobile phones, whether it is regarding study material or PCP schedule, Examination Centre, Examination Schedule or any other matter.

Started Live@Edu in association with Microsoft. Here every employee and student has been assigned a unique mail-id where they can communicate and provide latest updates.

In association with Microsoft, a Digital Literacy programme has been started (Basics about Computers) for students and staff.

The Payroll module was made live. Now employees can see their pay slip for any month and year, since the inception of the Payroll Module.

All the sitting plans for 150 SOL Examination Centres were provided through the SOL website.

Marching towards complete e-governance with an objective to provide better student support services and a better environment to work in for employees.

The broadcast timings of DU Community Radio 90.4 has now been extended as 8.00 a.m. to 1.00 p.m. and 4.00 p.m. to 7.00 p.m. and live phone-in programme has been extended from 3 days to 5 days in a week from Monday to Friday.

### Library Development

Total Budget	:	₹ 53,00,000
Books added	:	17,121
Journals subscribed	:	86

## **Seminars/Conferences held**

National Workshop on 'Information Security and Ethical Hacking' at Awadh Auditorium, Sheikh Sarai, organized by COMM-IT (Affiliated to GGSIP University), 11-12 April 2009.

'South Asia Enterprise Security Summit 2009' organized by Frost & Sulliuon at the Leela Kempinski, Gurgaon, Delhi NCR, 5 May 2009.

File and Services event organized by Hitachi Data System at Hotel Taj Palace, New Delhi, 6 May 2009.

'Managed MPLS' Realisation of the Managed Services Journey organized by Tata Communications and CISCO at Ambassador Hotel, Delhi, 16 July 2009.

Seminar on 'Towards an Enabling Internet Access Environment' organized by Internet Society and Digital Empowerment Foundation at Hotel Intercontinental, Nehru Place, New Delhi, 17 September 2009.

Web Seminar using WebEx on 'Demystifying Hosted e-mail Security' organized by Frost & Sulliuon, 22 September 2009.

4th International Conference on Quality, Reliability and Infocom. Technology & Mathematical Modeling and Related Optimization Techniques, at Conference Centre, Delhi University, 18-20 December 2009.

National meet on History of Mathematical Sciences organized by the Department of Mathematics, at Conference Centre, Delhi University, 7-9 January 2010.

Webinar on 'Detailed Analysis of the threat landscape H2 2009' organized by Wensense Security Labs, 11 February 2010.

## **Publications**

### **Books**

Pandey, U.S. 2010. *E-Commerce and Mobile Commerce Technologies*. New Delhi: S. Chand & Company.

### **Research Papers:**

**Pandey, U.S. and Sangeeta, R.** 'E-learning: The silent revolution' presented at 4th International Conference on Quality, Reliability and Infocom Technology at Conference Centre, Delhi University, 18-20 December 2009.

**Pandey, U.S. and Geetanjali,** 'Biometric Security for mobile Banking', presented at 4th International Conference on Quality, Reliability and Infocom Technology at Conference Centre, Delhi University, 18-20 December 2009.

**Pandey, U.S. and Rana, K.** 'Security model for mobile IPV6', presented at 4th International Conference on Quality, Reliability and Infocom Technology at Conference Centre, Delhi University, 18-20 December 2009.

**Pandey, U.S. and Shukla, S.** 'Study of Optimization of Application layer and data layer for securing e-commerce website', presented at 4th International Conference on Quality, Reliability and Infocom Technology at Conference Centre, Delhi University, 18-20 December 2009.

**Pandey, U.S. and Pankaj,** 'An effective approach of snooping in web database', presented at 4th international Conference on Quality, Reliability and Infocom Technology at Conference Centre, Delhi University, 18-20 December 2009.

**Pandey, U.S.** 'Quality enables responsiveness and innovation', presented at 4th International Conference on Quality, Reliability and Infocom Technology at Conference Centre, Delhi University, 18-20 December 2009.

**Pandey, U.S. and Kumar, V.** 'Mobile Wallet: Issues & Benefits', BIT National Management Conclave 2010, Birla Institute of Technology, Noida, 16-17 February 2010.

**Pandey, U.S. and Vibha,** 'Security on m-Commerce through GSM', BIT National Management Conclave 2010, Birla Institute of Technology, Noida, 16-17 February 2010.

**Pandey, U.S. and Rawal, S.** 'e-Learning: The Silent Revolution' INDIACom – 2010, 4th National Conference on Computing For Nation Development, Bhartiya Vidya Peeth, Delhi, 25-26 February 2010.

**Pandey, U.S. and Geetanjali.** 'Application of Mobile Banking Services in Bank Area', INDIACom – 2010, 4th National Conference on Computing For Nation Development, Bhartiya Vidya Peeth, Delhi, 25-26 February 2010.

'Biometric Applications: Achieving Reliable Identity Verification in Different Areas' at the National Conference on Information Management in Knowledge Economy at UCMS, GGSIP University, Delhi, 20 March 2010.

**Pandey, U.S. and Dadhich, P.** 'Snooping: A positive approach of security & Development' at the National Conference on Information Management in Knowledge Economy at UCMS, GGSIP University, Delhi, 20 March 2010.

## SCHOOL OF REHABILITATION SCIENCES

### New Courses/Subjects Introduced

Health and Sexuality by TARSHI (Human Development Paper) Ages & Stages Questionnaire tool as part of Human Development Paper.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Richa Saigal Katyal	PGDSE	I
Jyoti Agarwal	PGDSE	I
Kanika Kalra	PGDSE	I

## Library Development

Total Budget	:	₹ 1,10,000.00
Books added	:	56
Journals subscribed	:	5

## Publications

*Caregivers' Training Audit Report*, National Trust.

*Development of Audio-visual tool for Caregivers' Training*, National Trust.

## SRI VENKATESWARA COLLEGE

### Major Activities

Sri Venkateswara College played host to students from various colleges in the UK, whose trip to India was facilitated through the UKIERI Study in India Programme.

The programme is designed for college students from the United Kingdom visiting India to experience the country and its education system first hand, while interacting with students of various colleges here who come from different parts of the country and with varying backgrounds.

The programme in Sri Venkateswara College which is built on the basic idea of enriching both the parties, included a number of lectures and activities planned to give the visiting students a wider understanding of the working of our society and of course, of the College itself.

Over all, the experience was a memorable one for the visiting students, as well as for the students of SVC.

The annual event of the Department of Economics, **BLISSPOINT** has been an international event this year. Prof. B.L. Pandit from Delhi School of Economics inaugurated the event. Ms. Madhu Bhaduri and Mr. Palita Ganegoda were Guests of Honour on the occasion.

A panel discussion on Inclusive Growth and Environment was organized on the second day of the event. Dr. Reetika Khera of Right to Food Campaign, Dr. Deepa Sankar from World Bank; Mr. Abhijeet Das from UNCTAD; Dr. K. Vijayalakshmi, Vice-President, Development Alternatives, Mr. Koushik Chatterjee, Associate Vice-President, HCL Infosystems and Mr. D.A.I. Dayaratne, Dean Faculty of Management Studies, SUSL, participated in the panel discussion.

A new computer block installing approximately 80 computer systems being received from Delhi University.

## Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Mridul Sakhuja	B.Sc. (Hons.) Electronics	I
Praneet Kaur Vasdeva	B.Sc. (Hons.) Biological Sciences	I
R Charanya	B.Sc. (Hons.) Mathematics	I

## Library Development

Total Budget	:	₹ 22,00,000
Books added	:	3,883
Journals subscribed	:	75

## Appointments of faculty members to higher Posts/Assignments

**Dr. P. Hemalatha Reddy**, Principal, is a consultant for the Indo-US Collaborative Project funded by National Institute of Health on replication of mycobacterium Tuberculosis.

**Dr. Vandana Joshi**: Nominated Election Observer to cover the general elections of Germany 2009.

## Honours/Distinctions

The College is undertaking an academic exchange programmes with Department of History and Area Studies, Denmark, under the EU-funded project EU India Action Plan Support Facility, the purpose of which is to establish and develop the Contemporary India Study Centre Aarhus (CICSA), initially involving the Departments of History, Sociology and Hindi. Under this project, Dr. C.M.S. Rawat, Department of Hindi, and Dr. Abhijit Kundu, Department of Sociology, are now guest teaching at Aarhus University, on an invitation from the Department of History and Area Studies, Denmark.

## Seminar/Conference held

A National Summer School on Molecular Cell Biology was conducted to give hands-on experience for College teachers, which was highly acclaimed by all involving participation from Industry like Eppendorf BD Biosciences.

## Seminars/Conferences attended

**Dr. P. Hemalatha Reddy**: Presented a poster at the 78th Annual Meeting of Biological Chemistry held at National Centre for Cell Science, Pune, in November 2009. She participated in the Golden Jubilee Celebrations of Institute of Microbial Technology, Chandigarh, during 22-24 January 2010 and presented a paper at the International Conference on Understanding and Managing Pathogenic Microbes.

**Dr. Abhijit Kundu**: Attended a Workshop on 'Methodology of Social Sciences' conducted by Kerala Higher Education Council, Thiruvananthapuram, 15-16 July 2009.

**Dr. Anant Pandey:** Attended a National Conference on Accelerator and Low Level Radiation Safety, at I.U.A.C. New Delhi, 18-20 November 2009, and presented a paper. He also attended a Workshop on 'Nanotechnology and Laser Induced Plasma' at Delhi University, 24-26 November 2009. Dr. Anant Pandey won the 3rd prize for paper presentation at the Indo-Russian Workshop on 'Nanotechnology and Laser Induced Plasma' at Delhi University.

**Dr. K. Chandramani Singh:** Attended 15th International Conference on Positron Annihilation held at Kolkata, 18-23 January 2009 and delivered a talk on 'the Study of Liquid Crystalline Materials using Positron Annihilation Spectroscopy'.

**Dr. Agam Kumar Jha:** Attended and given an invited talk in a National Seminar organized by UGC and Jamia Millia Islamia at the Department of Physics, Jamia Millia Islamia, New Delhi.

**Dr. Ranjana Mehta:** Attended two Workshops for the development of question bank for B.Sc. (Hons.) Mathematics Paper 1 Calculus at ILLI, Delhi University, 20-22 August 2009.

**Dr. Rupali Suresh:** Attended an International Student Conference on Science and Spiritual Quest and presented a paper 'Concepts of Relativity in Vedic Science', NIT Allahabad, 15-17 January 2010.

**Dr. R.P. Singh:** Participated in National Workshop on 'Green Chemistry in Real World Practice' at Delhi University and National Symposium on Challenging Areas in Forensic Science' held at SGTB Khalsa College.

**Dr. Biswamoy Pati:** Attended National Conference on Consultation on History of Health Care in India: The Past in the Present on 3-4 December 2009 and Colonial and Contemporary Bihar and Jharkhand, 8-9 October 2009.

**Dr. B. Biswal:** Presented a poster on 'Modelling of Carbonate Rocks' in the International Workshop at University of Paris Descartes, Paris, 12-16 January 2009.

Organizer and lecturer of DST-SERC School on 'Nonlinear Dynamics' at the Department of Physics and Astrophysics, Delhi University, and also invited to an International Conference, Evolution of Complex system, at Indian Institute of Science, Bangalore.

**Dr. Vandana Joshi:** Attended an International Conference at University of Oxford, Women History Network Annual Conference and presented a paper on 'Private Spaces: Public Women; The case of Women Denounces in Nazi Germany'.

**Mr. Krishna Kumar:** Attended an International Conference on Recovery or Bubble? The Global Economy Today, organized by International Development Economics Associates (IDEAs), Gulmohar Hall, India Habitat Centre, New Delhi, 29-30 January 2010.

Attended the IDEAs-RIS Workshop on 'Understanding the Nature and Implications of the Expanding Presence of India and China, with Special Reference to Asia', New Delhi, India, 5-6 November 2009.

Presented a paper at National Seminar on 'Economics Education in Indian Schools' organized by National Council for Educational Research and Training, New Delhi, 4 March 2010.

**Mr. Pranjal Trivedi:** Attended an International Conference on Cosmological Reionization at Harish Chandra Research Institute, Allahabad, 16-20 February 2010. He presented four papers at various conferences and published an article 'Light of Knowledge' in *Frontline*. He was awarded Visiting Associateship by IUCAA, Pune, for a period of three years to carry out research work.

### **Publications**

**Vivekananthan, S.** Published 3 Research Articles – 'Origin and antiquity of Jainism in Kanyakumari District', 'Folk Deities in Kanyakumari District', 'Kanni Mari Pillai Tamil'. Dr. Vivekananthan also authored a book *Jainism in Kumari Nadu – An Archaeological Approach*.

**Kundu, A. 2009.** 'When Defeat is Victory' in *Silhouette*, Vol. 7 and edited *Social Sciences – Methodology and Perspectives*, Pearsons Longman, 2009. He also co-edited *Humanities – Methodology and Prospectives*, Pearsons, 2009.

**Seenivasan, S.** Published two articles 'Dalit Kathaippadalkal: Inavaraiviyal Aivu' (Ethnographic study of Dalit Folk Ballads) and 'Oppilakkiya Nokkil Tamil Malayala Novelkal' (A comparative study of novels in Tamil and Malayalam). He has been awarded a major research project by the UGC with a funding of Rs. 3,54,600.

**Singh, K.C.** Published four papers in international journals and authored a book *Basic Physics*.

**Budhraja, V.** Published a paper on (35,20,33) isomorphic orthogonal Arrays in an international journal of Statistics 'Metron' 2009 she wrote six chapters in e-books on Analysis and Design of Experiments and Linear Model.

**Sen, I.** Published 2 research papers 'Colonial Domesticities, contentious Interactions: Ayahs, Wet-nurses and Memsahibs in Colonial India' and 'Discourses of Gendered Loyalty: Indian Women in nineteenth century 'Mutiny' fiction.

**Pati, B.** Published four research papers in reputed journals and also authored three books.

**Singh, S.** Published two papers in International journals – 'A New Coupled Approach High Accuracy Numerical Method for the Solution of 2D Non-Linear Biharmonic Equations, - Neural Parallel and Scientific Computations (Dynamic Publishers, USA, Vol. 17 (2009), pp. 239-56.

2009. 'A New Coupled Approach High Accuracy Numerical Method for the Solution of 2D Non-Linear Biharmonic Equations – Applied Mathematics and Computation (Elsevier), Vol. 215, pp. 3036-44.

**Gaur, N.** Authored a book Physical Education and Health (Part-II) and the same were recommended by the Central Board of Secondary Education for Class XII students.

## SHIVAJI COLLEGE

### Major Activities

In the academic year 2009-10, all departments of Shivaji College organized their respective festivals and seminars. The College Garden Committee organized Van Mahotsav in the College on 7 September 2009. The Annual Cultural Festival Vibrations was organized on 3-4 December 2009. Padma Shree awardee Hindustani vocalist Professor Rita Ganguly was the Chief Guest and Ms. Shibani Kashyap was the Guest of Honour. The Annual Sports Day was held on 3 February 2010. Olympic Gold Medalist Mr. Sushil Kumar was the Chief Guest and Mr. M.S. Kingra, Special Secretary, Commonwealth Games, was the Guest of Honour. The Women's Development Cell of Shivaji College organized a day-long programme entitled 'Muffled Cries: Women, Work, and Beyond' on 19 February 2010. The Annual Prize Distribution Day was held in March 2010. Dr. Narendra Jadhav, Member, Planning Commission, was the Chief Guest.

### Students Academic Distinction

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Bhawna Madan	B.A. (Hons.) Business Economics	I

### Special Grants

**Dr. Lalita Rana**, Department of Geography, was awarded a Special Grant from ICSSR for her Research Project 'Ancient tradition in Geography: The Western and Oriental Perspective'.

The College received a grant of ₹ 25,55,000 from UGC towards Merged Scheme for XIth Plan period.

### Library Development

Total budget	:	₹ 8,24,740
Books added	:	1,555
Journals subscribed	:	40

### Appointments of faculty members to higher Posts/Assignments

**Dr. Manju**: Joined the Department of Biological Sciences, University of Aarhus, Denmark, to do post-doctoral research work.

**Dr. Parmod Sagar**: Reviewed as an expert 40 episodes of Educational Films to be telecast by CEC.

**Dr. V.K. Mehta**: Elected a Life Fellow of the Entomological Society of India.



### **Honours/Distinctions**

**Dr. Darshan Malik and Dr. Anuradha Mal:** Awarded the European Union- Erasmus Mundus fellowship to go on Academic Staff Exchange in NTNU, Norway, 1 April-30 September 2009.

**Dr. Arjun Ghosh:** Joined the Indian Institute of Advanced Study, Shimla, as Fellow to work on his post-doctoral research project titled 'Freedom from Profit: Eschewing Copyright in Resistance Art', since June 2009.

**Dr. Aparna Jain:** Awarded Ph.D. degree from the Department of Mathematics, Delhi University.

**Dr. Ravi Khaneja and Mr. Manish Sachdeva:** Awarded for his excellence in teaching by Hon'ble Dr. A.P.J. Abdul Kalam.

### **Seminars/Conferences held**

The Department of Biochemistry organized a National Symposium on 'Molecular Cell Biology' on 24-25 November 2009. Financially supported by UGC, ICMR and DBT.

**Dr. Vinita Bal,** The Biochemical Society organized a talk on the topic 'Vaccines and Infectious diseases', National Institute of Immunology, 24 September 2009.

**Prof. Rajan Gupta,** The Botanical Society organized a lecture on 'Social and ethical consequences of the rise of bio-technology', Department of Botany, Delhi University, 8 September 2009.

**Dr. J. Khurana,** Delivered a lecture on 'Gene controlling flowering in Arabidopsis and rice', Department of Chemistry, South Campus, University of Delhi.

A Seminar entitled 'Erasmus Mundus External Cooperation Window Opportunities for Indian Students and Teachers' in collaboration with the Department of Biochemistry, South Campus, University of Delhi, 8 October 2010.

**Prof. A.K. Bakshi** from the Institute of Life Long Learning (ILLL), delivered a talk on 'From Rote Learning to Effective Learning' organized by The Department of Chemistry, Delhi University, 22 February 2010.

**Dr. K.L. Prasad,** Economic Advisor to the Ministry of Finance, organized a talk on 'Economic recession and its financial implications in India', Departments of Commerce, Economics, and Business Economics of the College jointly.

**Prof. N.K. Kakkar,** Director, MAIMS: Delivered a lecture on 'Critical Evaluation of Education System in India'.

**Dr. Anand Prakash:** The English Literary Society organized a lecture on 'Realism, Modernism and Revolution: Connections with Post-colonialism', Department of English, Hansraj College, 29 January 2010.

**Prof. Baleshwar Thakur:** Organized a Seminar on 'Natural Resources and Environment'. Delivered a lecture on 'Depletion and Degradation of Land Resource in India', Department of Geography, L.N. Mithila University.

**Prof. Sudesh Nangia:** Delivered a lecture on 'Environment Development Interface', School of Social Science, Jawaharlal Nehru University, New Delhi.

**Prof. R.P. Bahuguna and Dr. Amrit Kaur Basra:** Organized a lecture programme titled 'History as Dialogue in Time and Space', Jamia Millia Islamia University, New Delhi.

**Prof. S.C. Arora:** Organized a talk on 'Graph Theory in real Life', Department of Mathematics, Delhi University, 25 January 2010.

**Dr. Shantha Sinha,** Padma Shri awardee and Magsaysay award winner: Organized a lecture on 'Child Rights', the Department of Political Science, 23 February 2010.

**Prof. Rooplal,** Organized a lecture on 'Biotechnology in Present Era', Delhi University, 29 September 2009.

### **Seminars/Conferences attended**

**Dr. Shashi Nijhawan:** Attended the National Symposium on 'Biotechnology in the post genomic era', Sri Venkateshwara College, 9-10 April 2009.

Attended the 'National Summer School on molecular cell biology' organized by Sri Venkateshwara College, 11-16 May 2009.

Attended 'Orientation Programme in Planning and Management of Higher Educational Institutions' organized by the National University of Educational Planning and Administration at NUEPA, Delhi, 26-30 October 2009.

Presented a paper on student support services at NUEPA, Delhi, 28 October 2009.

Chaired a session on 'Best Practices in your College' at NUEPA, Delhi, 29 October 2009.

Attended the National Symposium on 'Current Trends in Genomics and Protenomics', Deshbandhu College, 4-5 February 2010.

**Dr. Neena R. Wadhera:** Attended the National Symposium on 'Biotechnology in the Post genomic Era', Sri Venkateshwara College, 9-10 April 2009.

Attended the 'National Summer School on molecular cell biology' organized by Sri Venkateshwara College, 11-16 May 2009.

Attended the National Workshop on 'Quality Assurance through Blended Learning', Maitreyi College, 19-21 January 2010.

Attended the National Symposium on 'Current Trends in Genomics and Protenomics', Deshbandhu College, 4-5 February 2010.

**Dr. Rashmi Wardhan:** Attended the National Symposium on 'Biotechnology in the Post genomic Era' held at Sri Venkateshwara College, 9-10 April 2009.

Attended the 'National Summer School on molecular cell biology' organized by Sri Venkateshwara College, 11-16 May 2009.

Attended the National Symposium on 'Current Trends in Genomics and Protenomics' at Deshbandhu College, 4-5 February 2010.

**Dr. Darshan Malik:** Attended the National Symposium on 'Current Trends in Genomics and Protenomics' held in Deshbandhu College, 4-5 February 2010.

**Dr. Deepika Yogesh:** Presented a paper titled 'Supplemental, flexible and collaborative approach to course redesign: Transformative potential of blended e-learning in higher education' at The Second World Universities Forum, Mumbai.

**Dr. Anuradha Mal:** Presented a paper titled 'Philosophy of Bhagvadgita and Its Relevance in Present World Scenario' in Water in South and South East Asia-Cultures and Religions, 3rd SSEAR, 3-6 June 2009.

Attended the International Applied Bologna Conference, 1 December 2009.

Attended the 7th Asia pacific Conference on Algal Biotechnology, Delhi University, 2-4 December 2009.

**Dr. Neena Khanna:** Participated in the Green Chemistry Workshop organized in Delhi University, 9 May 2009.

**Siamlianvung Hangzo:** Participated in the National Seminar on 'Lost and Found in Translation' organized by Rajdhani College, 1-2 February 2010.

Participated in the National Seminar on 'Constructions of the Self: Theory, Context and Practices' organized by Hansraj College, 9-11 February 2010.

**Gitarani Devi:** Participated in the National Seminar on 'Lost and Found in Translation' organized by Rajdhani College, 1-2 February 2010.

Presented a paper at the National Conference on 'Depiction of Folk Culture in Literature' organized by Jain University, Bangalore, 12-13 February 2010.

**Dr. Usha Kanta Chaturvedi:** Attended the Narendranath Chaudhary Memorial Lecture on 'Brahmavaadi Sahishnuta' organized by the Department of Sanskrit, Delhi University.

Attended a Conference on 'Srishti evam Sthiti' organized by the Department of Sanskrit, Wider Association for Vedic Studies, 24-26 December 2009.

**Dr. Ruchira Dhingra:** Participated in the National Seminar titled 'Jan sanchar madhyam aur Hindi bhasha' at Hansraj College, Delhi University, 28-29 January 2010.

Participated in the National Seminar titled 'Bharat ka badalta paridrishya aur Hindi sahitya ki bhoomika' organized by PGDAV College (Evening), 10-11 February 2010.

Presented the paper 'Madhyam samrajyavad aur samachar par niyantran ka sach' at the International Conference on 'Samachar: Badalta Swaroop aur Ubharte Ayam' organized by R.D. National College, Mumbai.

Presented the paper 'Television ka trivialization aur bazaari poonji' at the National Media Workshop on 'Havi Hota Bazaar aur Television Patrakarita ke Sankat' organized by PGDAV College (Evening).

Participated in the Conference on Sahitya ki Sarthakta organized by Guru Nanak Dev Khalsa College.

Attended the National Workshop on 'Understanding Educational TV Programmes: Problems and Prospects' organized by CEC, IVAC Campus.

**Jyoti Sharma:** Presented a paper titled 'Jan sanchar madhyamon ki atma' at the National Seminar titled 'Jan sanchar madhyam aur Hindi bhasha' at Hansraj College, 28-29 January 2010.

Participated in a National Seminar titled 'Bharat ka badalta paridrishya aur Hindi sahitya ki bhoomika' organized by PGDAV College (Evening), 10-11 February 2010.

Participated in the lecture series 'Hindi itihas ke punar lekhan ki samasyaen' organized by the Department of Hindi, Delhi University.

**Dr. Shama Mitra Chenoy:** Made five presentations in December 2009 at an INTACH-UNESCO sponsored Workshop on 'World Heritage Sites of Delhi' to Government recognized Heritage Interpreters.

**Nishtha Srivastava:** Presented a paper titled 'Women and Caste Journals, U.P. 1920-1930' in the Research Symposium on 'Practices of Control and Resistance: Law, Society and Culture', organized by the Department of History and Culture, Faculty of Humanities and Languages, Jamia Millia Islamia, 8 December 2009.

**Dr. Amarjiva Lochan:** Organized a World Conference under the IAHR, UNESCO banner at Bali, Indonesia, May 2009.

Chaired a panel on History at the World Congress organized by Beijing University and the Chinese Academy of Social Sciences at Kunming, 27-31 July 2009.

Chaired a panel on History and Epigraphy at the 14th World Sanskrit Conference organized by Kyoto University, Kyoto, Japan, 3-5 September 2009.

Was the only Indian scholar invited to the world famous Ubud Writers Festival where he chaired the academic lecture delivered by Nobel Laureate Prof. Wole Soyinka in Bali, 9 October 2009.

**Dr. Parmod Sagar:** Participated in a Conference on Understanding Educational Programmes, Problems and Prospects organized by CEC, an Inter-University Centre of UGC, at India Habitat Centre, 17 December 2009.

Participated in a Conference on Management of e-Waste and renewable Energies at Bhaskaracharya College, 20-30 January 2010.

Reviewed a paper entitled 'Variation of N acceptor energy induced by AI-N codoping in ZnO films' for *Journal of Alloys and Compounds*.

**Dr. R.K. Vasishtha:** Delivered a lecture on 'Antiquity of Writing in India, Manuscriptology and Ancient System of Dating' at SLBS Kendriya Vidyapeetha Deemed University.

**Dr. Kailash Chander Dixit:** Attended the International Conference on Academic Libraries organized by University Library System, 5-8 October 2009.

Participated in the National Conference on Library & Information Science in the Digital Era, jointly organized by Indian Library Association and Birla Institute Technology Bimtech, 21-24 January 2010.

### **Publications**

**Bhardwaj, V. 2009.** 'Vartman Bhartiya Samaj Ke Pramukh Dwand aur Chunotiya: Mahabharat Prerit Pramukh Adhunik Hindi Kavyon Ke Sandarbh Me'. *Journal of South Asian Studies*. HUFSS, Seoul, Korea. 15(1): 344-55.

**2009.** 'Acharya hukl Ka Ras Chintan Aur Samaj Sapekshata Ka Sandarbh'. *PURWAI*. UK. 45: 11-7.

**Chaturvedi, U.K. 2009.** 'Paramparagat Kavyashastra tatha Badalte Samajik Sandharb'. *Veena*, Madhyabharat Hindi Sahitya Samiti, Indore.

**Dhingra, R. 2010.** 'Bacchan ka gadanuvad'. *Sahridaya Patrika*, p. 60.

**Ghosh, A. 2010.** 'Performing Change/Changing Performance: An Exploration of the Life of a Street Play by the Jana Natya Manch'. *Asian Theatre Journal*, 27(1).

**Jain, A. and Ajmal, N. 2009.** 'Some constructions of the join of fuzzy subgroups with sup property'. *Information Sciences*, 179(23): 4070-80.

**Lochan, A. (ed.).** *Swami Vivekananda: A Role Model for World Peace and Harmony*. Bangkok, Thailand: Mahidol University.

**Malik, R.K. 2009.** *Financial Management*. Delhi: Vishwabharti Publications.

**Nijhawan, S. 2009.** 'The age of biotechnology'. *Science Reporter*.

**Sharma, J. 2010.** 'Prabhakar Shrotriya ke natakon mein stri prashna'. In *Hindi Natak: Nai Parakh*, (ed.) Ramesh Gautam, R. New Delhi: Swaraj Prakashan.

**2010.** 'Jai Shankar Prasad ke natakon mein smajasya chetna'. In *Hindi Natak: Nai Parakh*, (ed.) Ramesh Gautam. New Delhi: Swaraj Prakashan.

**Dr. Shama Mitra Chenoy:** Wrote a module on Indo-Islamic architecture for NCERT for a course being introduced by them on 'Arts and Aesthetics' for Classes XI and XII.

## SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES

### Major Activities

Vanshika Chawla, BFIA2, performed at the Republic Day celebrations, 2010, in Beijing, China.

A group of 4 students of BFIA1 were selected in an online challenge and was the only Delhi University team representing India at the Inter-University 'Entrepreneurship International Challenge' (EPIC), at London School of Economics, 22-27 February 2010. They were given a grant of Rs. 1 lakh by Delhi University.

Promoted and jointly organized by the Dean Student Welfare office, the first ever University level skill-building-workshop-based-event entitled 'The Summit of Olympus', 24-26 December 2009.

**SIFE** (Students in Free Enterprise) contributed to the upliftment of women's sanitation in Delhi slums.

**CBSMUN'10**, a two-day training event 'Peace by Piece' based on an United Nations model was held at the ILL Auditorium, North Campus (Delhi University), 11-12 February 2010.

**VERVE** – the College street-play society contributed in the form of:

**AARAMBH** – English proficiency classes between 4-5 p.m. since August 2009, for students of the neighbouring government school.

**MANTHAN** – performing street plays around Delhi on socially relevant issues like dowry and female infanticide.

The College successfully launched its placement season with an impressive list of recruiters that included Bain Capability Centre; AT Kearney; Futures First; The Smart Cube; Grail Research; Infraline; McKinsey Knowledge Centre, Ernst & Young, Evalueserve, Synovate, Protiviti, 13 Consulting, Axis, Deloitte, etc.

### Special Grants/Assistance/Projects

#### Awarded to the College :

SIFE India Grant (₹ 40,000), KPMG Business Ethics Grant (₹ 1 lakh), NSBC Financial Literacy Grant (\$ 500) and University of Delhi Vice Chancellor Fund ₹ 1 lakh.

### Library Development

Total Budget : ₹ 4,50,000  
Books added : 1,014

**Journals subscribed:** 50

### Seminars/Conferences held

Convergence: National Corporate Convention, 5-6 November 2009.

## **Seminars/Conferences attended**

**Ms. Charu Banga:** Attended the International Finance Conference, Indian Institute of Management, Kolkata, 3-5 December 2009.

Attended a National Conference on Finance and Banking at Saintgits Institute of Management, Kerala, 28-29 August 2009.

**Mrs. Geetanjali Juneja Upadhaya and Mr. Sameer Anand:** Attended an International Conference on Quality, Reliability and Infocom Technology, ICQRT, organized by the Department of Operational Research, Delhi University.

**Ms. Meghna Malhotra and Mr. Deepak Kukreja:** Attended a National Seminar on 'Ethical Dimensions of Governance' at Deshbandhu College, 15-16 February 2010.

**Ms. Nomita Sharma:** Attended a National Conference on Service Exports organized by CII, 31 July 2009.

**Mr. Sameer Anand:** Attended the National Meet on History of Mathematical Sciences, Department of Mathematics, Delhi University, 7-9 January 2010.

## **Publications**

### ***Books Published***

**Singh, R. 2009.** *Security Analysis and Portfolio Management*. New Delhi: Excel Books (ISBN: 978-81-7446-748-5).

### ***Research Articles***

**Sameer, A. 2009.** Release 'Time Problem with Change Point Incorporating the effect of Imperfect Debugging and Fault Generation', 4th International Conference on Quality, Reliability and Infocom Technology, Delhi University, 14-17 December 2009.

**2009.** 'A new Insight into Software Reliability Growth Modeling', *International Journal of Performability Engineering*, 5(3): 267-74.

**Charu, B.** Research paper on 'Motives of Mergers and Takeovers in the Indian Mutual Fund Industry' at the International Finance Conference, Indian Institute of Management, Kolkata, 3-5 December 2009.

**2009.** Research paper on 'Determinants of Corporate Dividend policy' at the National Conference on Finance and Banking at Saintgits Institute of Management, Kerala, 28-29 August 2009.

**2010.** Best research paper on 'Effects of Determinants of Mutual Fund Mergers in India' at the Fourth National Conference on Indian Capital Markets, ICFAI Business School, Gurgaon, 5-6 March 2010.

**Singh, R. 2009.** 'Market reaction to Bonus Issues in the Indian Stock Market', *Asia Pacific Business Review*, V(3), July-September 2009.

## SRI GURU TEGH BAHADUR KHALSA COLLEGE

### Major Activities

A modified state-of-the-art, multipurpose Guru Arjan Dev Seminar Hall, with a raised platform dais, an LCD screen, appropriate acoustics and visual arrangements, was inaugurated as a befitting souvenir on 12 August 2009 at the initiation of the new course PG Diploma in Forensic Science.

On 4 January 2010, the foundation stone of the Mata Gujri Hostel for girls was laid. It will lodge 160 residents and will be ready by October 2010. On the same day, the foundation stone of the new Administrative block, that would include teaching staff room along with research floor and Principal's chambers, was laid.

A National Symposium on 'Challenging areas of Forensic Science' was inaugurated on 5 February 2010. A month-long theatre workshop culminated into production of the English play, Jean Anouilh's, *Antigone*.

### New Courses Introduced

PG Diploma in Forensic Science

Sports Economics and Marketing

Web Journalism

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Divya Kaur Matta	M.Sc. Chemistry	I
Navneet Kumar	B.B.E	I
Davinder Kaur	B.Sc. (Hons.) Electronics	II
Aarti	B.A. (Hons.) Panjabi	II
Parul Gulati	B.B.E.	II
Priyal Jain	B.Sc. (Hons.) Electronics	III
Sourabh Kant	B.Sc. (Hons.) Maths	III
Ritika Sharma	B.Sc. (Prog.) App. Sc.	III

### Special Grants/Assistance/Projects

**Dr. Gurmeet Kaur:** Awarded UGC Major Research Project titled 'Selection of corrosion inhibitors through quantum chemical calculations'.

### Library development

Total Budget	:	₹ 10 lakh
Books added	:	2,121
Journals subscribed	:	45



### **Honours/Distinctions**

**Dr. Amarjeet Kaur:** Received Dr. Gargi Divigish Award by Bhartiya Anuvaad Parishad.

**Dr. G.S. Sodhi:** Awarded 3rd prize for 'A novel fluorescent reagent for detecting finger prints' at the India Innovation Initiative – i3 National Fair, presented by Agilent Technologies, Department of Science and Technology and Confederation of Indian Industry at New Delhi, 27 October 2009.

Patent on a spray formulation for detecting latent fingerprints on glossy paper.

**Dr. Gurmeet Kaur:** Awarded Distinguished Teacher Award by former President Dr. A.P.J. Abdul Kalam, 7 September 2009.

**Dr. Komal Kamra:** Awarded the National Women Excellence Award 2009 (Kiran Achievement Award 2009) bestowed by Women International Network and Taj Association for Art, Culture and Heritage.

**Dr. Smita Mishra:** Awarded Thakur Vedram National Award for Journalism given by H.P. Weavers Association at Kullu, HP, 10 July 2009.

**Dr. Vanita Kaur:** Awarded Sahitya Academy Translation Award, and Creative Writing Poetry Award from Punjabi Academy.

### **Seminars/Conferences held**

The Department of Hindi organized a Seminar 'Kahani aur samaj'.

Department of Punjabi organized 'Poetry Recitation' for India's silver jubilee celebrations of the Poetry Society in collaboration with Sahitya Academy.

The Dramatics Society of the College organized a month-long workshop on 'Basics of Acting'.

A National Symposium on 'Challenging Areas of Forensic Science'.

### **Seminars/Conferences attended**

**Dr. Smita Mishra:** Participated in the International Summit on Sports Marketing organized by FICCI, New Delhi, 15-16 October 2009.

Presented a paper 'Sports Media in 3D' in the National Conference organized by NCPE, Noida.

**Simranjit Kaur:** Presented a paper titled 'New Characterisation With A Necessary And Sufficient Condition For Extreme Point Not To Be A Basic Feasible Solution In Infinite Linear Program' in the International Conference APORS 2009, Jaipur.

**Dr. Komal Kamra and Dr. Laxmi Narula:** Delegates at the Second India Disaster Management Congress, Vigyan Bhavan, 4-6 November 2009.

**Dr. Laxmi Narula:** National Symposium CATENANES on 'Molecular and Cell Biology' organized by Shivaji College, Delhi University, 24-25 November 2009.

**Dr. Kuldeep Pahwa:** Presented a paper at a National Seminar in GND Khalsa College, 23 October 2009.

**Mr. Hitesh K. Sachdeva:** Participated in National Seminar on 'Corporate Laws: Contemporary Issues' organized by the Department of Commerce, Shaheed Bhagat Singh College, 4-5 December 2009.

**Mr. Jaspal Singh:** Participated in ICSSR sponsored National Seminar on 'Information Access Initiatives and Rural India', Guru Nanak Dev University, Amritsar.

### **Publications**

**Wadhwa, A. 2010.** Textbook for undergraduate courses *Microprocessor 8085 Architecture, Programming and Interfacing*. New Delhi: Prentice-Hall Learning Ltd.

**Kaur, K. 2009.** *Panjabi Sahit Samvad*. M.P. Prakashan.

### **Research Articles in Books or Scholarly Journals**

**Sodhi, G.S. and Kaur, J. 2009.** 'Detection of Latent Fingerprints: A review'. *Indian Police Journal*, Vol. 56(3): 62-66.

**Wadhwa, A. 2009.** 'Measuring the coefficient of restitution using a digital oscilloscope'. *Journal of Physics Education*, 44(5): 517-21.

**Dutta, S., Goyal, A. and Mamta, 2009.** 'New Physics Contribution to Neutral Trilinear Gauge Boson Couplings', *The European Physical Journal C* 63, 305 [arXiv:0901.0260 [hep-ph]].

**Biswal, S., Choudhury, D., Godbole, R.M. and Mamta, 2009.** 'Role of polarization in probing anomalous gauge interactions of the Higgs boson', *Phys. Rev. D* 79, 035012 [arXiv:0809.0202 [hep-ph]].

**Chowdhury, A., Singh, S.K., Sreenivas, K. and Gupta, V. 2009.** 'Contribution of adsorbed oxygen and interfacial space charge for enhanced response of SnO<sub>2</sub> sensors having CuO catalysts for H<sub>2</sub>S gas', *Sensors & Actuators B*.

**Kaur, S. and Baluja, K.L. 2009.** 'Electron-impact study of AIH using the R-matrix method', *Phys. Rev. A* 80, 042701.

## **SRI GURU NANAK DEV KHALSA COLLEGE**

### **Student Academic Distinction**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Harpreet Kaur	M.A. (Punjabi)	I

### **Special grant to college**

UGC Eleventh Plan Grant (2009-10) Merged Scheme ₹ 77.40 lakh

### **Special grant to Faculty Members**

A minor UGC research project on “Punjabi Patarkari: Samkali Sarokar” sanctioned to Dr. Vinayneet Kaur.

### **Library Development Fund**

Total Budget	:	₹ 6.8 lakh
Books Added	:	1,457
Journals subscribed	:	33

### **Honours/Distinctions**

**Dr. Harbans Kaur Sagoo:** Appointed as Coordinator of Minorities Commission for Educational Institutions for 2010-11. Awarded an honorary fellowship for three years in the Department of Punjab Historical Studies by the Punjabi University, Patiala, and presided over the Punjabi Section of the Punjab History Conference, 2009.

**Dr. Vinod Kumar:** Chaired a Session on ‘Derivative Markets in India’ along with Prof. L.C. Gupta at INMANTEC, Ghaziabad, December 2009.

**Dr. Davinder Kaur Chawla:** Served as Course convener in the Refresher Course in Political Science, CPDHE, 13 July -1 August 2009.

**Dr. Gurdeep Kaur:** Received the Ambassador of Peace Award, Universal Peace Federation, November 2009.

### **Seminars/Conferences held**

Organized a National Seminar in the college on ‘Pichley dahake da Punjabi Sahit: Sthiti ate Sambhavnavan’, 22-23 October 2009.

### **Seminars/Conferences attended**

**Mamta Ahuja, Amrinder Kaur, Abnash Kaur, Rashmi Kumar, Meena Singh and Garima Babbar:** National Seminar on ‘Contemporary Issues in Management’, SGTB Khalsa College, University of Delhi, 23 February 2010.

**Amardeep Singh Bindra:** Presented a paper ‘Balwant Gargi de Natak ‘Kanak Di Balli’ da Manovigyanak Vishleshan’ in the National Seminar at Dyal Singh College, Delhi University, 25 September 2009.

**H.S. Gill:** Delivered a lecture on ‘Sahitya Ki Rachna Prakriya Aur Uski Upyogita’, North-Eastern Hill University, Shillong, 25 August 2009.

Seminar on ‘Jansanchar Madhyama Aur Hindi Bhasha’, Hansraj College, Delhi University, 28-29 January 2010.

**Abnash Kaur:** India-Africa Development Cooperation: Past, Present & Future Vision, Department of African Studies, Delhi University, 25 February 2010.

**Beant Kaur:** Presented paper 'Amia Kuwar's poetry book *Dhammi Wela*', at Chandigarh, 6 September 2009.

'Global Peripekh Te Gurbani Kav Roop', National Seminar at Khalsa College, Patiala, 30-31 October 2009.

Participated in the National Seminar on 'Literature, Theory and Text', Sahitya Academy, 18-19 December 2009.

**Gurdeep Kaur:** Presented a paper on "Sikhism Ecological Balance" in the International Conference, Limerick, Ireland, 21-23 August, 2009.

Attended a Workshop on 'Bologna Reforms: Quality and Integration in Higher Education', Delhi University, 30 November-1 December 2009.

**Man Mohan Kaur:** Powering towards Financial Resurgence-New Paradigms and Strategies, 12 September 2009.

National Workshop on 'Integrating Mathematical Science & Spirituality', 21-23 December, 2009.

National Meet on History of Mathematical Science, 7-9 January 2010.

Academic Administration and Management, 21-23 January 2010.

**Mahesh Kumar:** Attended the annual UGC SAP Seminar 2010 on 'Contemporary Issues in Global Financial Markets', 6 February 2010.

**Parmjit Kaur:** Presented paper 'Ikeveen Sadi Vich Punjabi Hikoo Kav De Dastak' in the National Seminar at SGND Khalsa College, Delhi University.

**Rajinder Kaur:** National Seminar on 'India Africa Development Cooperation: Past, Present & Future Vision', Department of African Studies, Delhi University, 25 February 2010.

**Rashmi Kumar:** Presented a paper in the International Workshop on 'Enhancing India's Global Competitiveness in Food Trade' organized by University of Nebraska, Lincoln, USA, and Indian Institute of Crop Processing Technology, Thanjavur, Tamil Nadu, May 2009.

Participated in National Seminar on 'Corporate Laws: Contemporary Issues', Shaheed Bhagat Singh College, Delhi University, 4-5 December 2009.

National Workshop on 'Education for Sustainable Development', TERI University, New Delhi, 19 January 2010.

**Vinod Kumar:** Co-integration and Contagion effect of Indian Stock Markets, NIFTY International Accounting Conference at Las Vegas, USA, 21-22 November 2009.

Delivered lectures at Sri Ram College of Commerce, Kamala Nehru College, SGTB Khalsa College, Institute of Life Long Learning on the topics like Sub-prime Crisis, Revival of the world economy and Innovative Financial Products; a five-day workshop on Financial Modeling at IIT, Kharagpur; a one-week workshop on Financial Derivatives at IIM, Kozikode

**Balbir Kundra:** Presented papers on 'Kahani Ka Roopantaran, Vigyapanon Mein Hindi Bhasha', 'Vigyapan Aur Bazarvad' and 'Computer Par Vigyapan Kaissey Banaein' at various colleges of University of Delhi

**Geeta Lakhanpal:** Attended a Capacity Building of Women Managers in Higher Education, Training of Trainers Workshop, Women's Studies Research Centre, Kurukshetra University, 23-28 March 2010.

**Maneesha Roy:** Presented a paper 'Federalism, Coalition Politics and Structural Changes in India', National Seminar by the Institute of Parliamentary Affairs in association with the Department of Political Science, Maharaja College, Ernakulam, Ernakulam, 15-17 December 2009.

'Gender, Political Participation and Empowerment in the ULP' in the National Seminar on 'Democratic Theory and Praxis: Imperatives of Electoral Experience in India', Department of Political Science, University of Rajasthan, Jaipur, 23-25 January 2010.

'Making a Mosaic: Multiculturalism in Canada', in the seminar on 'Democracy and Democratic Governance in India & Canada', Canadian Studies Development Programme of Banaras Hindu University, 5-6 March 2010.

**Harbans Kaur Sagoo:** Presented three papers entitled 'Bhai Santokh Singh di Itihasak Chetna', 'Guru Granth Sahib di Sanjhiwalta' and 'Mata Sundri ji' at Punjabi University, Patiala.

**Indrajeet Singh:** Presented a paper entitled 'Necessity of Participation of Visually Challenged in Politics' at a National Seminar in Mumbai, 30 January 2010.

'Visually Challenged and Employment: Trends and Prospects in Post Independence Era' at a National Seminar at Satyawati College, 6 November 2009.

**Meena Singh:** Attended an International Symposium on 'Under Economic Crisis: How Asia Should Further Economic Integration', RIS-Japan Economic Foundation, 23-25 September 2009.

Workshop on 'Quantitative Techniques in Business', Dept. of Business Economics, Delhi University, 29 October 2009.

Workshop on 'Trade, Investment and Regional Integration: Lessons for Policy Makers', Centre for WTO Studies, Indian Institute of Foreign Trade, New Delhi, 11-12 March 2010.

**Ritesh Verma:** National Seminar on 'Contemporary Issues in Management', SGTB Khalsa College, Delhi University, 23 February 2010.

National Seminar on 'Corporate Laws: Contemporary Issues', Shaheed Bhagat Singh College, Delhi University of Delhi, 4-5 December 2009.

## Publications

**Bindra, A.S. 2009.** *Punjabi Lok-Kahanian: Chihan- Vigiaanak Paripekha*. New Delhi: Manpreet Prakashan.

**Kaur, B. 2009.** *Ajeet Kaur Da Galap Bodh*. Ludhiana: Chetna Prakashan.

**Kumar, V.** *Micro Finance and Mutual Funds*. New Delhi: Laxmi Publication.  
*Commodities Markets*.

**Sagoo, H.K.** *Panj Itihasak Jeewanian and Guru Granth Sahib: Itihaas da Sarot (2010)*. Manpreet Prakashan.

**Soni, R.S.** 2009. *Essential Business Mathematics and Business Statistics*. New Delhi: Ane Books.

**Kumar, V.** Six articles in *Investor India* on different aspects of finance and equity markets; an article in the Journal of Shaheed Bhagat Singh College, Delhi University.

**S. I.S.** 'Multiculturalism and coalition Politics: The Indian Experience', *Main Stream*, June 2009.

**Kaur, B. 2010.** Shri Guru Arjan Dev Ji'. *The Gaursons Times*, 16 June 2009, and 'Jako Rakhe Saiyan', *The Gaursons Times*, 16 February 2010.

**Bindra, A.S.** 'Lokyan Adhiyan: Vagaar Nahin Vangaar', *AKS magazine*, June 2009; 'Sikh Dharam : Istari di samajak barabari', *Sis Ganj Magazine*, August 2009.

**Kumar, V. & Kumar, M. 2010.** 'Reverse Mortgage A Succour During Old Age', *Investor India*, November 2009 and 'Are IPOs always good for you?', *Investor India*, February 2010.

**Kaur, P.** 'Kavita Turdi Hai: Pathgat Adhyan', in Sagoo, B.S. (ed.) *Niranjan Singh Noor 's Simriti Granth*, England: Wolver Hampton.

**Roy, M. 2010.** 'Federalism, Party System and Coalition Government in India', in Paul Wallace and Ramashray Roy (eds) *India's 2009 Elections: Coalition and Congress Continuity*. New Delhi: Sage Publications.

## SRI AUROBINDO COLLEGE

### Special Grants/Assistance/Projects

OBC	:	₹ 6700000 + ₹ 20300000 + ₹ 20000000
Awarded to the College	:	₹ 80000 for Commerce Scholarship.
Awarded to individual teachers	:	
Research Grant	:	Amit Jha - ₹ 350200 + ₹ 65440
G.D. Bhatt	-	₹ 147360

### Library Development

Books purchased : 742  
Journal subscribed : 13

### Honours/Distinctions

**Mrs. Heena Bakshi:** Received a Ph.D. from the Department of African Studies, Delhi University.

**Mrs. Anajali Arora:** Received a Ph.D. from the Department of Commerce, Delhi University.

### Seminars/Conferences held

The Department of Chemistry, SAC, organized a Seminar with the help of the NGO Jawala, New Delhi, and the Ministry of Renewable Energy on 'Renewable Energy in the Global Carbon Era', for inducing awareness in undergraduate students on carbon management and trading.

**Prof. J.P. Sharma:** Invited to deliver a lecture on 'Corporate Governance' by the Commerce Department Association.

### Seminars/Conferences attended

**Dr. Hari Om and Dr. S.P. Singh:** Attended a Seminar on 'Economics of Soil Waste Management and Indian Perspective' organized by the Department of Economics, Jamia Millia Islamia University, 12-13 March 2010.

### Publications

**Bawa, S.** 'Sculpture' in course books published by School of Open Learning, Delhi University on Cultures in the Indian Subcontinent.

**Jain, P.L.** *Corporate Governance Values and Ethics*

**Malhotra, V.R.:** *Corporate Governance Values and Ethics*

**Rajput, N.** *Corporate Governance Values and Ethics*

**Singh, S.P.:** *Corporate Governance Values and Ethics*

**Suman H.** *Corporate Governance Values and Ethics*

## SRI AUROBINDO COLLEGE (EVENING)

### Library Development

Books added : 970  
Journals subscribed : 4

### **Seminars/Conferences attended**

**Dr. (Mrs.) Vedwati Vaidik:** Panel discussant at the 1st Asian Philosophy Congress on Vaidik Vision of Inclusiveness, 6-9 March 2010.

Presented a research article on 'Upanishado Ki Vyakhaya Padhi', organized by IP University.

**Dr. (Mrs.) Sumati Varma:** Attended an International Conference of the Academy of International

Business, India Chapter, New Delhi, December 2009.

Presented a paper on 'International Vanturing by Indian IT firms: A Motive Analysis'.

Presented a paper titled 'Capital Account Convertibility Issues for Developing Countries'.

Presented a paper in the National Conference on 'Corporate Sector, Industrialisation and Economic Development in India', ISID, New Delhi.

Chaired a session at the VI National Seminar on 'Managing Business in the Present Lessons from the Past, Strategies for the Future' at Amity Business School, Manesar, Gurgaon.

**Dr. (Mrs.) Archana Agrawal:** Participated in International Conference on Issues in Finance and Economic Development in Developing Countries during Globalisation Era, 6-7 November 2009.

### **Publications**

**Vaidik, V.** 'Upanishadyugeen Nari'. *Journal of the Centre for Women Studies*, Shri Lal Bahadur Sanskrit Vidyapeeth, Deemed University.

**Varma, S.** *International Business Concept Environment, Structure and Strategy*. New Delhi: Ane Books, Sage Publications.

'Development Strategies for Inclusive Cities in Organising and Managing in the Era of Globalisation', In (eds) Pritam Singh and Subir Verma.

'International Venturing by IT Firms: A Motive Analysis'. *Journal of Emerging Markets*, 1(1), ICA Institute, USA.

2009. 'Capital Account Convertibility Issues for Developing Countries'. *Studies in Business and Economics*, 15(1), Qotar University, Doha.

## **SHYAM LAL COLLEGE**

### **Library Development**

Total Budget	:	₹ 2,67,292.00
Books added	:	691
Journals subscribed	:	35



### **Honours/Distinctions**

**Dr. M.K. Razdan:** Fellow of Society of Cytologists and Geneticists.

### **Seminar/Conference held**

National Seminar titled 'Impact of Globalization in World Economic Recession' at University Guest House, Delhi University, 3-4 December 2009.

### **Seminars/Conferences attended**

**Dr. M.K. Razdan:** Attended Microsoft workshop organized by ILLL, Delhi University, 13-14 November 2009.

Attended Managing RTI issues in Educational Institutes organized by UGC-ASC, Jamia Millia Islamia, 10-11 February 2010.

Impact of Globalization in World Economic Recession organized by Shyamlal College, 3-4 December 2009.

6th Indo-Italian workshop on 'Chemistry and Biology Antioxidants' organized by the Department of Chemistry with collaboration of Delhi University, 10-11 December 2009.

### **Seminars/Conferences held**

**Dr. R. Gupta:** Attended the 6th Indo--Italian workshop on 'Chemistry and Biology Antioxidants' held at the Delhi University, 10-11 December 2009.

**Dr. Pravin Kumar, Dr. Jaya Kakkar and Priyanka Thakur:** Attended Seminar on 'Taj Mahal: A Semblance of Indo-Iranian Craftsmanship' organized by Delhi University and Iranian Cultural House in collaboration with Indian Council of Historical Research.

**Dr. Vijay Kumar Sharma:** Secretary of the organizing committee of an international workshop on 'Indonesian Workshop on 'Nano Technology & Laser Induced Plasma -2009' organized by Delhi University.

**Ms. Niti Aggarwal:** Published an article titled 'Design Aspects of Electronic Regulation in Solar Photovoltaic Systems', Proceedings of National Conference MACORE 2009.

## **SHYAM LAL COLLEGE (EVENING)**

### **Major Activities**

The Department of History of the College organized a Seminar on 'Indraprastha to New Delhi: A Cultural Journey' in the Auditorium of the Department of Social Work, North Campus, Delhi University, on 15 December 2009.

The College also organized its 7th National Seminar on 'Global Economic Challenges: Implications for India' in the ILLL Auditorium in North Campus of Delhi University on 4-5 February.

The College participated in the Annual Flower Show of Delhi University and won five prizes in the potted plants and cut-flower categories. Tulips, Ranunculus, Hyacinth and Asiatic Lilies bloomed in the College campus for the first time.

The Eco-club led by Ms. Ila Bhushan screened two Oscar awards winning film - *An Inconvenient Truth* on climatic change, which was followed by a film based quiz. A Herbal Corner was also developed in the College nursery in which plants like Isabgol, Kalmegh, Stevia, etc. were planted.

### **Library Development**

Total Budget	:	₹ 4,39,592.00
Books added	:	1,406
Journals subscribed	:	22

### **New Additions**

Dr. Sunita Saxena	Ms. Reenu Gupta
Ms. Sarita	Ms. Deepika Verma
Dr. Amit Singh	Shri Ram Roop Meena
Dr. Pramod Kumar	Dr. Deo Narain Singh

### **Appointment of faculty member to higher Posts/Assignments**

**Dr. B.D. Majhi:** Joined the Competition Commission of India as Joint Director (Eco.).

### **Seminars/Conferences held**

The History Department of the College organized a Seminar on 'Indraprastha to New Delhi: A Cultural Journey', Department of Social Work, Delhi University, 15 December 2009.

The College organized its VII National Seminar on 'Global Economic Challenges: Implications for India' in the ILL Auditorium in North Campus of Delhi University, 4-5 February.

### **Seminars/Conferences attended**

**Dr. G.P. Agarwal:** Presented a paper on 'Indo-Canada Trade Relations and Changing Economic Environment' in a three-day International Seminar titled 'Changing Economic Environment and Performance of the Nations: Canada and India' organized by the Department of Business Economics, Faculty of Commerce, Maharaja Sayajirao University of Baroda, Vadodara, 20-22 September 2009.

**Dr. Sunil Kumar Choudhary:** Presented a paper 'From Predominance to Pluralism: Changing Nature of Israeli and Indian Party Systems' in the 21st World Congress of International Political Science Association held in Santiago, Chile, 12-16 July 2009.

**Dr. Preeti Shukla and Ms. Gauri Saxena:** International Seminar titled 'Inhabiting This Hour: John Milton, His Bequest, 1608-2010', organized by the Department of English, Delhi University, 17-19 February 2010.

**Dr. Preeti Shukla:** Attended International Seminar on 'Globalization and Cross Cultural Communication', organized by SRCC, Delhi University, 2 December 2009.

**Dr. Ramesh Kumar:** Presented a paper on 'Mapping Indo-Canadian Party System', International Seminar on 'Democracy and Democratic Governance' organized by Canadian Studies Development Programme Centre of BHU, 5-6 March 2010.

Participated in a National Seminar on 'Ethical Dimensions of Governance' organized by Deshbandhu College (Evening), 15-16 February 2010.

**Dr. A.P. Tripathi:** Presented a paper in National Seminar on 'Emerging Role of Micro Finance Institutions in India' organized by Shree Jain PG College, Bikaner, Rajasthan, 4-5 December 2009.

**Sh. Manu Umesh:** Presented a paper in a National Seminar on 'Emerging Role of Micro Finance Institutions in India' organized by Shree Jain PG College, Bikaner, 4-5 December 2009.

**Sh. Surendra Kumar Sharma:** Presented a paper in a National Seminar on 'Gramin Vikaas: Chintan evam Vyavahar' organized by Mahatma Gandhi PG College Shri Madhopur-Sikar University of Rajasthan, 15-16 February 2010.

**Dr. Ashok Kumar Yadav:** Participated in National Seminar titled 'Global Recession and its Impact on India' organized by JNPG College, University of Lucknow, 24-25 February 2010.

**Ms. Bharti:** Participated in the National Workshop on 'Aspects of Dynamical Systems' organized by the Department of Mathematics, Indian Institute of Technology Delhi, December 2009.

Participated in the National Meet on 'History of Mathematical Sciences' organized by Department of Mathematics, Delhi University, January 2010.

## **Publications**

### **Books**

**Tripathi, A.P.** 2009. *Fundamentals of Retailing: Text & Cases*. Mumbai: Himalaya Publishing House.

**2009.** *The Power of Perception (Unraveling the Three Pillars of Quality Perception: An Indian Reality)*. Delhi: A.K. Publications.

**Yadav, S.K.** 2009. 'Poetic Vision and Art of Dom Moraes'.

### **Books Edited/Journals**

**Singh, A., Pachoury, S. and Gautam, R.** 2009. (2<sup>nd</sup> edn) Lok Natya Parampra: Aitihāsik Priprakshya. Punarlekhan, 67-72.

**Verma, D.** 2010. 'Hindi Natak: Nai parakh-Sathottraī Hindi natakon mein stree vimarsh', (ed.) Gautam Ramesh, N.S. New Delhi: Swaraj Prakashan.

- Sumitra, 2009.** 'Aghat' (a story) and 'Jagriti' (a poem). Published in *Hans* edited by Rajender Yadav, Delhi.
- Tyagi, V. and Rana, N. 2010.** 'On non existence of some (1,2) optimal codes', *Applied Mathematical Sciences*, 4(44): 2193-99. (Bulgaria).
- Tyagi, V. and Sethi, A. 2009.** '(n<sub>1</sub>b<sub>1</sub>,n<sub>2</sub>b<sub>2</sub>,n<sub>3</sub>b<sub>3</sub>) Linear Codes over GF(2)', *Beykent University Journal of Pure and Applied Sciences*, 3(2): 301-18. (Turkey).
- Kumar, R. 2009.** 'Indo-American Party System'. *Indian Journal of Political Science*, Oct-Dec. 2009.
- Tripathi, A.P. 2009.** Empanelled as Reviewer, ICADWIT, at London Business School, London Metropolitan University, London, United Kingdom.
- 2009.** 'Customer Shopping Behaviour Among Modern Retail Formats: A Study of Delhi & NCR', *Indian Journal of Marketing*, India.
- 2009.** 'Relevance of Special Economic Zones for Developing Economies: A Study of Indian Perspective'. *Indian Journal of Commerce*, 62(2).
- Tripathi, A.P., Pathak, S.V. and Agrawal, N. 2009.** 'Analyzing the Impact of Buyers' Perception of Product – Quality in Indian Scenario: A Primary Research for selected Durable, Semi-Durable and FMCG Products', *DSM Business Review*, 1(1) (International Journal of Business & Management) (e-Journal, url: <http://www.dsmbusinessreview.com/dsm-v1n1g.pdf>).
- Gupta, R. 2009.** 'Uttar Adhunik Vimarsh va Antim Dashak Ka Hindi Upanayas', 'Punerlekhan', *Shodh Patrika*, Hindi Department, Delhi University, December 2009.
- 2010.** 'Itihas Va Smariti mein banti Sanranchna', *Samved*, March 2010.
- Saha, L.M., Mohanty, R.K. and Bharti, 2009.** 'Hyperbolicity and Chaos in Discrete Systems', *Int. J. Applied Math. And Mechanics*. 5(5): 48-56 (Hong Kong).
- Saha, L.M., Bharti and Yuasa, M. 2010.** 'Energy Variability in Chaotic Dynamical Systems'. *Science and Technology*, 22: 1-8. (Japan).
- Verma, D., Gupta Ramnika, N.S., 2010.** 'Yuddhrat Aam aadmi-Stree swatantrata ek bhramm', January-March, 2010, pp. 59-60, Ramnika Foundation, Delhi.
- Singh, A. 2010.** Sathottari Hindi Natakon Mein Paryavarana – Chintan. Hindi Natak: Nai Parakh. 541-560. Delhi: Swaraj Prakashan, Delhi.

## SHYAMA PARSAD MUKHERJI COLLEGE FOR WOMEN

### Major Activities

The College believes in the cause of providing equal opportunities to women in society. The only way to attain this goal is through a serious commitment to education for girl students. The College offers quality education in the disciplines of Humanities and Commerce. In addition to class-room teaching, the College attempts to foster a rounded development of its students. Thus, numerous extracurricular and cultural activities such as theatre, debates, poster competitions, quizzes, seminars, workshops and General Knowledge contests are organized regularly by students and teachers. The Garden Committee of the College participated in the Pusa Horticultural Show organized by Delhi Agri Horticulture Society, Annual Flower Show organized by Delhi University and Bougainvillea Festival organized by the Bougainvillea Society of India. The following prizes were won: Satpal Kapoor Challenge Cup, Dr. (Mrs.) Shanti Singhal Challenge Cup, University Library Cup, Lady Shri Ram College for Women, The Laxman Sarin Cup. The College got recognition from the Ministry of Sports and Youth affairs under PYKKA grant for two synthetic courts of international standard to be developed in the college. Basket Ball and Lawn Tennis courts have been built under the Commonwealth Legacy Programme. Students of the College have been selected for the Commonwealth Games. Sports and games are an important component of the College calendar and students won prizes at the University, Zonal and National levels. The University Grants Commission established the Buddhist Studies Centre, Guru Nanak Studies Centre and Gandhi Studies Centre in the College under Value Education Programme.

### New Course/subjects Introduced

Teachers Training Programme.

### Students Academic Distinction

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Ruchi Gupta	B.A. (Hons.) Applied Psychology	III

### Library Development

Total Budget	-	₹ 25,24,000
Books added	-	3255
Journals subscribed	-	95

### Honours/Distinctions

**Dr. (Ms.) S.K. Jolly:** Recognized as an educationist in a book on eminent women in different fields, *Ek se bad kar Ek Shikhar Mahilaye*, released by Dr. Shiela Dixit, Chief Minister of Delhi.

Nominated by Delhi Administration to the Advisory Committee of the Minority Commission.

Nominated to the Central Ethical Committee for research in Ayurveda and Sidha by the Central Govt.

### **Seminar/Conferences held**

National Seminar 'Gandhi in the era of Globalisation' organized by Gandhi Studies Centre.

National Seminar 'Budha in Art, Architecture and Literature (text)' organized by Buddhist Studies Centre.

National Seminar 'Universal Message of Guru Granth Sahib in the Changing World'.

### **Seminars/Conferences attended**

**Dr. (Ms.) S.K. Jolly:** Presented a paper in International Conference of SSSEAR at Bali on 'Ecological Co-existence and Role of Water: A Response from Sikh Scripture'.

Presented a paper on 'Buddhist Studies Learning and Teaching into Centres of Excellence' in a workshop at Vigyan Bhawan.

Presented a research paper at an International seminar at Jamia Millia Islamia on 'Mysticism in Sikhism'.

**Dr. Asha Joshi:** Presented a paper on Women Issues at International Seminar in Udaipur.

**Dr. Vandana Kaushik:** Presented a paper in the IIIrd SSEASR at Bali.

### **Publications**

**Sobti, S.** *Women and Children Issues and suggestions.*

**Malhotra, P.** Published a collection of stories '*Main Badal Jati Hoon*'.

## **SHRI RAM COLLEGE OF COMMERCE**

### **Major Activities**

SRCC retained its first position among Commerce Colleges in the India, in a survey by *India Today*.

Student annual festival 'Crossroads' was celebrated with overwhelming participation from different colleges.

The 84th Annual Day of the College was celebrated on 19 March 2010. Sh. Arun Jaitly, Leader of the Opposition in the Rajya Sabha and former Union Cabinet Member graced the function as Chief Guest. Prizes were distributed to the students who brought laurels to the College.

The College organized a National Colloquium in Vigyan Sabha, New Delhi, on the topic 'Global Economic Crisis - Challengers and Opportunities'. Mr. Anshu Jain, Head, Global Markets, Deutsche Bank, London, delivered the Keynote speech at the function. In addition, CEOs of different organizations also gave lectures in the Colloquium.

The College classrooms were upgraded with LCD Projectors, Projection Screens and green boards in lieu of the traditional blackboards, and podium for faculty. Faculty member were provided laptops for teaching.

### **Student Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Shaimlee Nath	B.A. (Hons.) Economics	III

### **Library Development**

Total Budget	:	₹ 22,00,000.00
Books Added	:	1,500
Journals subscribed	:	80

### **Appointment of faculty members to the higher Posts/Assignments**

Dr. V.P. Ojha, IMT Ghaziabad

Dr. J.K Thakural, Gaeddu College of Business Study, Gaeddu, Bhutan.

### **Honours/Distinctions**

**Dr. Anil Kumar:** Awarded Ph.D. by Delhi University.

**Dr. Mallika Kumari:** Awarded Ph.D. by Jamia Millia Islamia.

**Dr. Rachna Jawa:** Awarded Ph.D. by Delhi University.

**Ms. Reena Chaddha, Mr Amit Sachdeva, Mr. Rajiv Jha, Mr. Avinash Jha and Mr. Rakesh Ranjan:** Received the Distinguished Teachers Award by Delhi University. The awards were presented by the former President of India, Dr. A.P.J. Abdul Kalam.

### **Seminars/Conference held**

International Conference on Issue in Finance and Economics Development in Developing Countries during the Globalization Era' was organized in the College, 6-7 November 2009.

SRCC National Colloquium on the topic 'Global Economic Crisis - Challengers and Opportunities' was held at Vigyan Bhawan, New Delhi, 9 April 2009.

The Department of English organized an International Seminar on 'Globalization and Crisis - Cultural Communication' in the seminar room of the College, 2 December 2009.

SRCC participated in the UKIERI Study India Programme and hosted the Visiting Student placed with the College, 7-10 September 2009.

The Indo-Dutch programme, 'Management and Culture Context' was a collaboration between Utrecht Business School, Netherlands, Miranda House and SRCC, 20-24 October 2009 and students from all three institutions participated.

### **Seminars/Conferences attended**

**Dr. Anil Kumar:** Presented paper on 'Functioning and Effectiveness of Corporate Boards in India' at the National Conference on Corporate Law held in New Delhi, 2009.

**Ms. Astha Diwan:** Presented paper on 'Micro Finance: A Tool of Socio-Economics Development from Below' at the International Conference on Issue in Finance and Economics Development in Developing Country during Globalization Era at SRCC, 6-7 November 2009.

Participated in a National Seminar on 'Corporate Law: Contemporary Issue' at Shaheed Bhagat Singh College Delhi University.

Presented a paper on 'Global Economics Crisis - Impact on Microfinance' in the National Seminar on 'Global Economic Challenges: Implication for India'.

Presented a paper on 'Importance of Ethics in Governance' at the National Seminar on 'Ethical Dimensions in Governance' at Deshbandhu College, Delhi University, 15-16 February 2009.

**Dr. Gauri Shankar:** Participated in National Quality Conclave on 'Leveraging for Good Governance' organized by the Quality Council of India at Le Meridian, Delhi, 19-20 February 2010.

Participated in a National Seminar on 'Ethical Dimension of Governance' organized by Deshbandhu College at IIC, New Delhi, 15-16 February 2010.

Participated in a National Seminar on 'Climate Change and Disaster Management' organized by the Mahatma Gandhi Institute for Climate Change, 22 January 2010.

Participated in Annual Conversation in Ad Meliora: For a better Tomorrow organized by the Department of Commerce DU, at Paintal Memorial Golden Jubilee Auditorium, VPCI, 18-19 September 2009.

Participated in International Conference on Combating Challenges of Climate Change organized by the Rajyoga Educational Research Foundation Mt. Abu at Vigyan Bhawan, Delhi, 7-8 February 2010.

**Mr. Naveen Mittal:** Participated in a National Seminar on 'Corporate Law: Contemporary Issues', at Shaheed Bhagat Singh College on 4-5 December 2009 and helped organize a two-day International Conference on Issue of Finance and Economic Development in Developing Countries during the Globalisation Era at Shri Ram College of Commerce, Delhi University, November 2009.



**Ms. Ruchi Kaushik:** Participated in ‘Training the Trainers’ workshop as part of the Blended Learning Project between Delhi University and Open University, UK under UKIERI, 2-5 February 2009.

Participated as a member of the Department of English, SRCC, an International Seminar on ‘Globalization and Cross Culture Communication’, 2 December 2009.

**Mr. Santosh Kumar:** Organized and participated in the International Conference on Issue in Finance and Economics Development in Developing Countries during the Globalization Era at Shri Ram College of Commerce, Delhi University, 6-7 November 2009.

Participated in International Conference on Reforming the Financial System: Proposals, Constrains and New Direction at Chennai, 25-27 January 2010.

**Mr. Shailesh K. Chawla:** Coordinated and participated in the International Seminar on ‘Cross Culture and Communication’ held at SRCC, 2 December 2009.

Presented a paper titled ‘Blended Learning – Possibilities and Limitations’ at the National Workshop on ‘Quality Assurance through Blended Learning’, Maitreyi College, Delhi University, 19-21 January 2010.

**Mr. Sumitra Kumar Choudhary:** Organized an International Seminar at the Department of English titled ‘Globalization and Cross Culture Communication, 2 December 2009.

Participated in an International Seminar ‘Inhabiting this Hour John Milton, His Bequest, 1608-2010’ organized by the Department of English, Delhi University, 17-19 February 2010.

## ST. STEPHEN’S COLLEGE

### Major Activities

In the last 129 years, the College has contributed significantly to the profile of the University of Delhi and to nation building, maintaining a rich tradition of academic excellence. During the year under review, the College has as a community, endeavoured to be true and faithful custodians of this priceless legacy. The College celebrate its Founder’s Day on 7 December each year and it is one of the most solemn functions in the annual calendar. On 7 December 2009, Dr. A.P.J. Abdul Kalam, former President of India, was the Chief Guest. The College is the first in Asia to have had the opportunity to host the Doha Debate, held on 15 February 2010. Mr. John Brumby, the Prime Minister of Victoria, Australia, chose to kick off his good-will visit to India from St. Stephen’s College. Under the aegis of a new initiative titled St. Stephen’s College Public Lecture Series, lectures on significant themes were delivered by outstanding alumni of the College like Dr. Shashi Tharoor, Shri Salman Khurshid and Mr. B.G. Varghese.

### Students Academic Distinctions

**Shikha Gupta:** Awarded three medals, two gold medals and two prizes for securing the highest percentage of marks in M.Sc. Mathematics examination.

**Silika Mohapatra:** Won the Indian Philosophical Congress Medal for securing the highest percentage of marks in M.A. Philosophy examination.

**Ms. Divya Bhambri:** Awarded the Smt. Sivakamamma Radhakrishnan Memorial Medal for securing the highest percentage of marks in M.A./ M.Sc. examination in Operational Research.

**Rijuta Ravindra Mehta:** Won the Dr. N.S. Pradhan Memorial Medal for obtaining highest percentage of marks in M.A. examination in English.

**Aryapriya Ganguly:** Awarded the Dr. Sarup Singh Gold Medal for obtaining the highest marks in the B.A. English examination.

**Avinash Rustagi:** B.Sc. Physics (H) stood first in the University, obtaining 1244 marks out of 1350 and won the J.N. Mitra Memorial Prize.

**Ipsita Barik:** Won the Lala Ram Mohan Prize for obtaining the highest percentage of marks in M.A. examination in History.

### **Library Development**

Total Budget	:	₹ 14,15,796
Books added	:	1,191
Journals subscribed	:	18 journals and 20 magazine

### **Appointments of faculty members to higher Posts/Assignments**

**Revd. Dr. Valson Thampu:** Appointed Executive Member of the Academic Affairs Committee of the Proposed National University of Law, Management and Sciences in Meghalaya.

Appointed Member, National Integration Council of India.

**Dr. Neelam Saxena:** Selected as Professor for the Council's Chair (Hindi) in the University's abroad by Indian Council of Cultural Relation.

**Dr. Geeta Venkataraman:** Nominated to serve on the local organizing committee for the International Conference of Women Mathematicians.

### **Honours/Distinctions**

**Dr. Valson Thampu:** Awarded the 'Most Innovative Christian Principal of 2009' by the All India Association for Christian Higher Education, New Delhi.

**Dr. S.V. Eswaran:** Awarded University of Delhi Distinguished Teacher Award, for excellence in teaching and mentoring, 2009.

## Publications

Thampu, V. 2009. Translation of the Malayalam novel *Othappu* into English under the title *The Scent of the Other Side*. New Delhi: Oxford University Press. (This has been shortlisted for the 'Crossword' national award for the best translation in 2009).

Published an article titled 'Humour and Heresy' in *The Hindu* on the Shashi Tharoor 'Cattle-class-Hoy Cow' controversy.

**Eswaran, S.V.** *Dehydro-divanillin for Organic Electronics*.

Dehydrodivanillin: Multidimensional NMR Spectral Studies, Surface Morphology and Electrical Characteristics of Thin Films.

**Rachunliu G Kamei, Mark Wilkinson, David J. Gower and S.D. Biju.** 'Three New Species of Striped Lchthyophis' in *Zootaxa*.

**Dutta, S. 2009.** 'Artefacts and Antiquities in Bengal: Some Perspectives within an Emerging Non-official Archaeological Sphere', in *Ancient India: New Research* (eds) Upinder Singh and Nayanjot Lahiri. New Delhi: Oxford University Press.

## SWAMI SHRADDHANAND COLLEGE

### Honours/Distinctions

**Dr. Subhash Anand:** Appointed member of editorial board of a journal of social science, *The Horizon* (ISSN-0975-5535).

### Seminars/Conferences held

Mr. Devendra Raj Ankur Ex-Director of Rashtriya Natya Vidyalaya and Dr. Mahesh Anand, an eminent theatre personality, were the chief speakers in a Seminar on 'Natak ke Addhyan Ki Drishtiya', organized by the Hindi Department, 24 February 2010.

Sh. A.N. Jha and faculty members of the History Department organized a Seminar on the 90th birth anniversary of the great Hindi scholar and popular Hindi poet of the Santal Parganas of Jharkhand, Acharya Jyotindra Prasad Jha 'Pankaj', at Dumka in Jharkhand, 30 June 2009.

A Seminar was organized on the eve of the 32nd death anniversary of the scholar Acharya Pankaj at Rajendar Bhawan, New Delhi. Noted scholars like Dr. Ganga Prasad Vimal, Dr. Suresh Dhingra, Dr. Bikram Singh, Dr. V.S. Mishra, Dr. Rizwan Kaiser and Sh. Mast Ram Kapoor underlined the importance of Acharya Pankaj's works. The 'Himalaya' poem of Acharya Pankaj was declared the best Hindi poem ever written on the Himalayas, 16 September 2009.

The Department of Sanskrit organized a seminar on 'Relevance of Indian Philosophy in the Modern Era' in which Dr. Ram Nath Jha (Special Centre for Sanskrit Studies, Jawahar Lal Nehru University) was the principal speaker.

The Art Foundation organized a lecture on Glass and Creativity by Sh. Vijay Kowshik, an international figure in glass work. Sh. Kowshik delivered an illustrative lecture featuring creation and restoration work in cathedrals and international airports in Europe and elsewhere. The programme was chaired by Dr. S.K. Kundra, Principal, and conducted by Dr. Suresh Dhingra.

Sahityiki a literary society of Hindi (Hons.) course organized a seminar on theatre which focused on Dhruaswamini by Jai Shanker 'Prasad' and 'Aadhe Adhure' by Mohan Rakesh. The main speakers in the seminar were Prof. Devandra Raj 'Ankur', a former Director of the National School of Drama, and Dr. Mahesh Anand, a renowned theatre critic. They dealt with the subject at length in the light of theatricality in the two dramas. Dr. S.K. Kundra, Principal, chaired the seminar and Dr. Suresh Dhingra conducted it.

Nav Jagriti, the Women Development Centre, organized a multi-lingual poetry symposium focusing on women, on the eve of International Women's Day.

Swami Shraddhanand College Memorial Lecture Committee organized a lecture by Mr. Gautam Navlakha, Resident Editor, *Economic and Political Weekly*, on 17 March 2010. Mr. Kumar Sanjay Singh of the Department of History, Swami Shraddhanand College, introduced the theme. Dr. V.P. Rana, Convener of the Committee organized the lecture this year.

### **Seminars/Conferences attended**

**Dr. Subhash Anand:** Attended a National Seminar on 'Disaster Management and Mitigation' organized by Satyawati College.

Attended a Seminar on 'India-Africa Development Cooperation' organized by the Department of African Studies, Delhi University.

Participated in the National Congress on 'Role of Women in Disaster Preparedness' organized by the All India Foundation for Peace and Disaster Management.

Participated in an international conference on 'Contextualizing Geographical Approaches to Studying Gender to Asia' organized by the Department of Geography, Delhi University, in collaboration with the College of Asia and Pacific, Australian National University.

**Dr. R.B. Singh:** Delivered a lecture on 'Disaster Management in Geographical Association' organized by Geo-vision 2010.

**Sh. O.P. Singhal, Sh. M.L. Bansal, Dr. R.N. Garg, Dr. Renu Sobti, Dr. R.K. Joshi, Dr. M.P. Singh, Mr. Himanshu Srivastava and Mr. Rakesh Chawla:** Attended a National Seminar on 'Corporate Law-Contemporary Issues' organized by Shaheed Bhagat Singh College, 4-5 December 2009.

**Dr. P.V. Khatri:** Participated in National Conference on Corporate Challenges Opportunities organized by Shaheed Bhagat Singh College. Besides this, he delivered a lecture on 'Gender Disasters and other Social Issues' at a National Conference on Role of Women in Disaster Preparedness at American Centre, New Delhi, 15-16 December 2009.

**Sh. Himanshu Srivastava and Sh. Rakesh Chawla:** Participated in an International Conference on Issues in Finance and Economic Development in Developing Countries during Globalization Era organized by Shri Ram College of Commerce, Delhi University, 6-7 November 2009.

**Dr. G.K. Parashar, Dr. S.B. Tyagi and Dr. Saraswati Kanodia:** Participated in a workshop aimed at semester system to be introduced in the next academic year.

**Dr. Suman Yadav, Dr. Seema Gupta and Dr. Pradeep Pratap Singh:** Participated in the National Seminar on 'Spectroscopic Techniques' at the Delhi University.

**Dr. (Mrs.) Saraswati Kanodia:** Participated in the UGC sponsored Orientation programme at CPDHE-ILL, Delhi University.

**Dr. Sunil K. Srivastava:** Attended the Indo-US sponsored International Congress-cum Workshop on 'Intellectual Property Rights' held at Amity University, Noida, 5-7 October 2009.

Presented a paper titled 'Application of Plant Viruses in alleviating poverty, for production of vaccines, drugs and programmed synthesis cum targeted delivery of nanostructures' at the Indo-French workshop-cum-International Conference on Nanoscience and Nanotechnology, held at Ansal Institute of Technology, Gurgaon, 12-16 October 2009. This paper won the 1st Prize.

Presented a lead theme paper, 'Application of Viruses in Nanotechnology' in a National Workshop-cum-Symposium on 'Nanoscience: Theory and Application' held at Jawaharlal Nehru University, 5-7 November 2009.

Presented a lead paper titled, 'Scope and applications of plant viruses for large-scale production of vaccines, drugs and nanomaterials cum targeted delivery of nanostructures' in 5th International Conference on Plant Pathology held at IARI, New Delhi, 10-13 November 2009.

Attended the 7th Pacific Rim Conference on the Biotechnology of *Bacillus thuringiensis* and its Environmental Impact held at IARI, November 2009.

Presented a paper titled, 'Present status and emerging prospects of plant viruses for food security, development of vaccines, therapeutics and nonmaterials' in Indo-Japan workshop on 'Bimolecular Electronics and Organic Nanotechnology for Environment Preservation' held at National Physical Lab., New Delhi, December 2009.

Participated in the 1st International Conference on New Frontiers in Biofuels held at India Habitat Centre, 18-19 January 2010.

**Dr. Anjana Kapoor:** Participated in 5th International Conference on Plant Pathology held at IARI, New Delhi.

**Dr. Bhoopander Giri:** Attended National workshop on 'Understanding Educational TV Programmes: Problems and Prospects', organized by UGC-CEC, New Delhi.

International Workshop on 'Rhizosphere Biology of Agriculture, Horticulture and/Forestry: Present and Future' organized by G.B. Pant University of Agriculture and Technology, US Nagar, Uttarakhand.

**Dr. Vinod Prasad's** Research group presented 3 papers [(a) 'Ionization and Population Transfer in lithium Rydberg States with ultrashort chirped laser pulses', (b) 'Dynamics of H-atom in ultrashort chirped laser pulses', (c) 'Rotational dynamics of Polar Diatomic molecule in presence of External fields'] at National Conference on Advances in Atomic Molecular and Nuclear Physics, MMH College.

**Mr. Brijender Dahiya:** Delivered a talk on 'Ionization and population transfer in lithium Rydberg states with ultrashort chirped laser pulses' at National Conference on Advances in Atomic Molecular and Nuclear Physics, MMH College, Ghaziabad, Meerut, UP.

**Dr. Shiva Upadhyay:** Attended an International Conference on Biodiversity, Environment and Sustainability: Challenges for Future, at Delhi University.

Attended a National Seminar 'Physics in quest of alternative source of energy' organized by Physics Association, Motilal Nehru College.

ILLL-Microsoft Corporation workshop 'Developing champions of ICT capacity building in DU'. 14-25 September 2009.

National Conference on Mathematical Techniques: Emerging paradigms for electronics and IT industries (MATEIT - 2010), 30-31 January 2010.

**Dr. Mukesh Kr. Rana:** Attended International Workshop on 'Control and Inverse Problem' at IMI, 1-15 December 2009.

Attended International Conference on 'Control and Inverse problem' at Indian Institute of Science, Bangalore, 16-18 December 2009.

Attended the workshop on 'Information technology and disaster management' conducted by AIFPDM and NIDM, 25 April 2009.

Participated and presented a paper on 'Energy Resource's Impact on Environment', in international conference on Climate Change and Sustainable Management of Natural Resources, IIM Universe – Gwalior, 10-12 November 2009.

**Dr. A.K. Dubey:** Participated in the International Seminar organized by Gandhi Bhavan, University of Delhi on 'Hindi Swaraj: 100 years and After'.

**Ms. Mayanglambam Thoibi Devi:** Presented a Poster in the 50th Annual Conference of Association of Microbiologists of India, held at National Chemical Laboratory, Pune.

**Dr. Neera Mehra; Dr. (Mrs.) T. Saxena; Dr. (Mrs.) Raj Arora and Ms. M.T. Devi:** Participated in National Symposium on 'Chemistry in Biology: The Future of Life Sciences' conducted by ANDC, Delhi University, 12-13 February 2010.

**Dr. Gunjan Verma:** Participated in the National Symposium on 'Impact of Trends in Climate Change on Biodiversity and Faunistic Systems' held in the Department of Zoology and Environmental Sciences in collaboration with the Indian Academy of Environmental Sciences, Haridwar.

### **Publications**

**Evelin, H., Kapoor, R. and Giri, B. 2009.** 'Arbuscular Mycorrhizal Fungi in Alleviation of Salt Stress: A Review'. *Annals of Botany*, 104 (Dec): 1263-80.

**Anand, S.** Published article on 'Role of Waste Pickers in Urban Solid Waste Management in Delhi' in edited book.

Published article on 'Recycling of Solid Waste Materials' in another edited book.

2010. 'Irrigation Water Requirement for the Hindu Basin' (co-author). *The Horizon*, Vol. 3, January 2010.

**Sachar, P. 2010.** 'Irrigation Water Requirement for Hindu Basin'. *The Horizon*, Vol. 3, January 2010.

**Khatri, P.V.** (Co-author) *Corporate Social Responsibility- Challenges in the age of Globalization*. It was released by Dr. Yoganand Shastri, the Hon'ble speaker of Delhi Vidhan Sabha.

## **ZAKIR HUSAIN COLLEGE**

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Mr. M. Mehdi Hasan	M.A. Arabic	I
Ms. Khadeeja Parveen	B.A. (Hons.) Arabic	I
Ms. Arifa	B.A. (Hons.) Persian	I

### **Special Grants/Assistance/Projects**

**Dr. Sulekh Chandra:** Involved in a DRDO project on 'Synthesis and characterisation of transition metal complexes with Schiff's base ligands as biologically relevant agents'.

**Dr. Sonu Trivedi:** Awarded a project on 'Prospects of Democratisation in Myanmar' by ICSSR.

**Devesh Vijay:** Awarded a major research project in history titled 'From Colonial Rule to Panchayati Raj' by UGC.

### **Library Development**

Total budget	:	₹ 10,15,000
Books added	:	2,325
Journals subscribed	:	27

### **Seminars/Conferences attended**

**Ms. Reeta:** Presented a paper on 'Women Entrepreneurship Development in India: The Challenges Ahead' at the National Seminar organized by the School of Management Studies, Punjab University, Patiala.

**Mr. Anshu Rastogi:** Participated in the 'Prepare Future' advanced training programme at C-DAC Hyderabad, and in the Asia-Pacific Microwave Conference.

**Dr. Bijoy K. Kuanr:** Chaired a technical session and also presented an invited paper and two technical papers, at the International Magnetics Conference at Sacramento, California, USA.

**Ms. Nagma Zafir:** Invited to be the mentor for translation for the National Seminar-cum-Workshop on 'Translating Premchand' at Jamia Millia Islamia.

**Dr. Vibha Chauhan:** Member of the jury for Commonwealth Short Story Competition–2009-10. She was one of the main organizers of an International Seminar in Delhi, focusing on Adivasi communities. She was an invited speaker at 'Bhasha Confluence at Ground Zero' in Baroda.

**Dr. Ramesh Chandra Mehta:** Participated and presented research papers in five National research Seminars in government Colleges in MP and UP on the themes of 'Harassment of Women and Indian Laws'; 'The Problems of Terrorism and Communalism and its Remedies'; 'Antiquity and Continuity of Indian Culture on the Basis of Successful Decipherment of Harappan Script'; 'Social Evils, Scientific Outlook and Role of Media' and 'Challenges of 21st Century and Modern Hindi Literature'.

**Dr. Tarique Anwar:** Attended the Workshop, 'Historiography and Historical Method' organized by the Indian Council of Historical Research, New Delhi.

**Dr. Jameel-Ur-Rehman Khan:** Presented a paper on 'Persian Literature in the Deccan' at an International Conference held at Osmania University, Hyderabad, and another paper titled 'Delhi College Tareekh ke Aine Mein' at Delhi University.

Participated in 'The Study of Persian Manuscripts and Cataloguing' at the Persian Research Centre, Delhi, and Written Heritage Research Centre, Tehran; National Seminar on 'Arabic Lexicography Through the Ages' at Delhi University; International Seminars 'People, Culture and Goods in Motion: India Arab Maritime Historical Relations' at Jawaharlal Nehru University, and 'Delhi's Past and Present: Focus on Persian Sources' at Delhi University.

**Dr. Jamshed Khan:** Participated in the 6th Workshop on 'Persian manuscripts' organized by Iran Culture House and in an International Conference organized by Osmania University, Hyderabad.

**Dr. Malik Saleem Javed:** Participant at the Iran Culture House workshop on 'Persian manuscripts' and the International Conference at Osmania University, Hyderabad.



Presented a paper on the mosques of Delhi at the international seminar organized by the Department of Persian, University of Delhi.

**Dr. Shamimul Haq Siddiqi:** Participated in the Persian manuscripts workshop organized by Iran Culture House in association with the Written Heritage Research Centre, Tehran.

Participant at the International Symposium on the 'Reception of the Arabian Nights in World Literature' organized by the Centre of Arabic and African Studies, Jawaharlal Nehru University, as well as at the international seminar organized by the Department of Persian, University of Delhi.

**Dr. Mohammad Fahim:** Awarded the European Commission Erasmus Mundus Scholarship for research as a visiting Fellow to Katholieke Universiteit, Leuven, Belgium.

Attended a national seminar at Dayal Singh College and an international seminar organized by the Ministry of Housing and Urban Poverty Alleviation.

**Dr. Anubha Das:** Participated in a national symposium on 'Biotechnology in the post-genomic era' at Sri Venkateshwara College; and the 5th International Conference on Bio-pesticides organized by TERI.

Participated in a virtual training workshop on 'Bioinformatics', organized by the Asian Bioinformatics Research and Education Network, sponsored by Kyushu Institute of Technology, Japan, and the Advanced Technology Institute, Japan.

### **Publications**

**Kaula, B.C.** 'Broadening the Genetic Base of Crop Brassicas by Production of New Intergeneric Hybrid.', *Czech Journal of Genetics and Plant Breeding*. Dr. Vikas contributed a chapter, 'Botany and Taxonomy of Forage and Fodder Crops' in the volume *Forage and Fodder-Indian Perspective* published by ICAR.

**Chandra, S.** *Concise Inorganic Chemistry*, based on the UGC syllabus.

**Farooqi, A.W.** Published a research paper in the *Journal of Business Studies*, M.D.S. University, Ajmer.

**Chauhan, V.** Translated Bhojpuri short story has been published in the *South Asian Review Journal* from the University of Pittsburg. Her article on marginalized communities has been published as the 'Position Paper' in *Interventions*, the Journal of Australian Open University.

**Sharma, S.** Co-translated Shivillbush's book *Disenchanted Night: The Industrialisation of Light in Nineteenth Century* in Hindi as *Betilism Raat: Roshini ka Aadhunik Safar*. He also wrote two chapters on 'Deindustrialisation in India' and 'Drain of Wealth from India' for the Institute of Life Long Learning, University of Delhi.

**Khan, A.** 'Chaos synchronisation by Linear Feedback Control' and 'Study of Chaos Synchronization', *The Journal of Applied Mathematical Sciences*, Bulgaria.

**Ajmal, N.** Published two articles in a special issue of the Hindi journal *Anbhay Sancha*, devoted to the modern Urdu ghazal.

**Khan, Jameel-Ur-Rehman.** *Mulakh Khas-e-Shah Jahan Nameh*, sponsored by the Embassy of I.R. Iran.

**Kumar, S.** 'The Nature of Coalition Politics in India' in *Contemporary India* and chapter 'Globalisation and Disasters' in *India and the Globalising Era*.

## ZAKIR HUSAIN POST GRADUATE COLLEGE (EVENING)

### Major Activities

This year the College made an arrangement for a doctor to examine students in the beginning of the academic session. Students having health problems were made aware of their medical problems. A placement coordinator worked hard and was successful in getting good placements for commerce students in companies of repute. Special classes were held for grooming students in group discussion and interviews. Air conditioners were provided in a section of the Reading Room of the library. This facility succeeded in attracting more students to the Reading Room. Ramps were constructed for the benefit of physically disabled persons.

### Special Grants/Assistance/Projects

The UGC sanctioned ₹ 10 lakh to augment computers in the College Office.

A sum of ₹ 2 crore was sanctioned by the University of Delhi for infrastructure expansion.

### Library Development

Total Budget	:	₹ 6,00,000 (XIth Plan)
Books added	:	730
Journals subscribed	:	30

### New Additions

Dr. Qamrul Haque Khan	-	Mathematics
Dr. Subrat Keshari Rout	-	History

### Honours/Distinctions

**Dr. (Ms.) Madhumita Chakraborty:** Department of English, awarded Ph.D. degree from JNU.

**Mr. Rajanikant Verma:** Department of Commerce, awarded Ph.D. degree from Department of Commerce, Delhi University.

**Mr. Islam Ali:** Department of Political Science, awarded Ph.D. degree from Department of African Studies, Delhi University.

**Dr. Urmila Bharti:** Department of Commerce, awarded Ph.D. degree from Himachal Pradesh University.

**Dr. Munshi Mohd Younus:** Department of Bengali, awarded Ph.D. degree from Jadavpur University, Kolkata.

#### **Seminars/Conferences held**

**Dr. Maheshwar Dutt:** Organized a Seminar on 'Climate change and its impact'. Dr. Dilip Kumar, Managing Editor, Newspapers Association of India and Political Expert on CNN-IBN-7 Channel delivered a lecture on 'Climate Change'.

#### **Seminars/Conferences attended**

**Dr. Mehmood Fayyaz:** Participated in the International Persian Congress held in Tehran (Iran).

**Dr. (Ms.) Rashmi:** Presented a paper in Zanzibar. She also completed a small research project in Oxford University.

**Dr. Mehmood Fayyaz:** Attended International Conference organized by the Department of Persian, University of Delhi.

**Dr. Zahir Ali Khan:** Participated in three National Workshops and he presented a paper in a National Seminar organized by Raza Library, Rampur. He also presented another paper in a National Seminar organized by National Urdu Research Scholar Association.

**Dr. Shahina Tabassum:** Participated in a National Workshop held at Shantiniketan.

**Mr. Asmi Raza:** Key speaker at a Seminar on 'Bank nationalization' at Constitution Club. Mr. Asmi also participated in the Seminar on 'Global Financial Crisis- Questioning the Question' chaired by Dr. D. Subba Rao, Governor of RBI.

**Dr. Chandan Kumar:** Participated as Subject Expert at Hindi workshop organized by the Registrar of Newspaper of India, Delhi, Selection Committee, Kendriya Vidyalaya Sangathan, Delhi. He was appointed as an Expert by the Central Hindi Directorate, MHRD, Delhi.

Participated and delivered a lecture on 'Rastrakavi Maithali Sharan Gupt' in a National Seminar organized by Sahitya Academy, MP. He participated and delivered a lecture on Hindi Divas in a National Seminar at DAV College for Girls, Yamunanagar, Haryana. He also participated and delivered a lecture on 'Hindi me Rozgar' in a Seminar organized by Hindi Department, K.M. College, Delhi.

Participated and delivered a lecture in a National Seminar at Hansraj College, Delhi on Subaltern Theories in Hindi.

**Dr. Chandan:** Attended on workshop on Hindi Media organized by UGC and Hansraj College, Delhi University, Delhi.

## **Publications**

**Moshal, B.S.** *Principles of Management.*

**Sehgal, P.** Written a short play 'Koi Aur Raasta'.

**Lal, S.** *Textbook of Coordinate Geometry.*

**Ranjan, S.** *Transformation of rural employment in UP.*

Two research articles of good academic quality have been published in *Economic and Political Weekly.*

**Verma, R.** *Corporate Social Development.*

**87<sup>th</sup>**  
**ANNUAL REPORT**  
**2009-2010**

**PART - II**  
(MISCELLANEOUS AND STATISTICS)



**UNIVERSITY OF DELHI**

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# MISCELLANEOUS



# **MEMBERS OF STATUTORY BODIES OF THE UNIVERSITY**

## **THE COURT**

### **Statute 2(1)(i)**

#### ***Chancellor***

Hon'ble Mohd. Hamid Ansari

### **Statute 2(1)(ii)**

#### ***Pro-Chancellor***

Justice K.G. Balakrishnan

### **Statute 2(1)(iii)**

#### ***Vice-Chancellor***

Professor Deepak Pental

### **Statute 2(1)(iv)**

#### ***Pro-Vice-Chancellor***

Professor S.K. Tandon

### **Statute 2(1)(v)**

#### ***Dean of Colleges***

Professor (Ms.) Nayanjot Lahiri

### **Statute 2(1)(vi)**

#### ***Director, South Delhi Campus***

Professor Dinesh Singh

### **Statute 2(1)(vii)**

#### ***Treasurer***

Ms. Janaki Kathpalia

### **Statute 2(1)(viii)**

#### ***Ex-Vice-Chancellors***

Professor K.N. Raj

Professor Upendra Baxi

Professor Vrajendra Raj Mehta

Professor Deepak Nayyar

### **Statute 2(1)(ix)**

#### ***Librarian***

Dr. Suprabhat Majumdar

### **Statute 2(1)(x)**

#### ***Proctor***

Professor Gurmeet Singh

**Statute 2(1)(xi)*****Dean, Students' Welfare***

Professor S.K. Vij

**Statute 2(1)(xii)*****Heads of the Departments***

Professor Sumanyu Satpathy	English	
Professor M.M. Agarwal	Sanskrit	
Professor Ashok Vohra	Philosophy	
Professor Vibha Maurya	Germanic & Romance Studies	
Dr. Rakesh Kumar Bhatt	Library & Information Science	
Professor Sudhish Pachauri	Hindi	
Dr. Syed Ali Karim	Urdu	
Professor P.C. Patnaik	M.I.L. & Literary Studies	
Professor Bhiksu Satyapala	Buddhist Studies	(upto 01.03.2010)
Professor K.T.S. Rao	Buddhist Studies	(w.e.f. 02.03.2010)
Professor Ravindra Gargesh	Linguistics	(upto 31.08.2009)
Professor Tista Bagchi	Linguistics	(upto 10.03.2010)
Professor R.K. Agnihotri	Linguistics	(w.e.f. 11.03.2010)
Professor Anand Prakash	Psychology	
Dr. Wali Akhtar	Arabic	
Professor Chander Shekhar	Persian	(upto 03.08.2009)
Professor (Ms.) Rehana Khatoon	Persian	(w.e.f. 04.08.2009)
Dr. Manjit Singh	Punjabi	
Professor D.S. Kulshrestha	Physics & Astrophysics	
Professor V.S. Parmar	Chemistry	
Professor P.K. Ghosh	Anthropology	
Professor Rup Lal	Zoology	
Professor I. Usha Rao	Botany	
Dr. (Ms.) Kumud Khanna	Home Science	
Professor Anand Mohan Bhola	Geology	(upto 10.08.2009)
Professor V.N. Bajpai	Geology	(w.e.f. 07.06.2009)
Professor B.P. Srinivasan	Pharmacy	(upto 06.06.2009)
Professor S.S. Agarwal	Pharmacy	(w.e.f. 07.06.2009)
Professor S.N. Singh	Law	
Professor R.C. Jiloha	Psychiatry (MAMC)	
Professor N.K. Agarwal	Forensic Medicine (UCMS)	
Professor (Ms.) Suneela Garg	Community Medicine (MAMC)	
Professor Amit Banerjee	Surgery (MAMC)	
Professor Sachin Kumar Jain	Medicine (LHMC)	
Professor (Ms.) Kiran Mishra	Pathology (UCMS)	(w.e.f. 22.01.2009)
Professor S.K. Bhattacharya	Obstat. & Gyna. (MAMC)	(upto 07.08.2009)
Professor (Ms.) Neelam Balavaid	Obstat. & Gyna. (MAMC)	(w.e.f. 03.09.2009)

Professor Rama Anand	Radiology (LHMC)
Professor B.D. Banerjee	Medical Bio-Chemistry(UCMS)
Professor Kamlesh Khatri	Anatomy (UCMS) (upto 02.12.2009)
Professor Ajay Kumar Gupta	Orthopaedics (MAMC) (w.e.f.03.12.2009)
Professor Anil Kumar Dhall	Orthopaedics (MAMC)
Professor Aneeta Chakravarty	Medical Microbiology (MAMC)
Professor Savita Singh	Physiology (UCMS)
Professor (Ms.) Archana Singhal	Dermatology & Venereology (UCMS)
Professor (Ms.) Jolly Rohtagi	Ophthalmology (UCMS)
Professor Raj Kumar	Pulmonary Medicine (VPCI)
Professor (Ms.) Satinder Aneja	Paediatrics (LHMC) (upto 25.05.2009)
Professor Anand Prakash Dube	Paediatrics (MAMC) (w.e.f. 26.05.2009)
Professor T.S. Anand	Otolaryngology (LHMC)
Professor Ashok Kumar	Anaesthesiology (UCMS)
Professor Mahesh Verma	Dental Sciences
Professor Bharati Baveja	Education (upto 01.11.2009)
Professor Anita Rampal	Education (w.e.f. 03.11.2009)
Professor Sagar Maji	Mechanical Engineering (DCE) (upto 15.10.2009)
Dr. Narender Kumar	Electrical Engineering (DCE)
Professor Santosh Kumar Singh	Civil Engineering (DCE) (upto 16.04.2009)
Professor Ashutosh Trivedi	Civil Engineering (DCE) (w.e.f.17.04.2009)
Professor Ashok De	Elect. & Comm. Engg. (DCE) (upto 07.08.2009)
Professor Suresh Kumar Garg	Production & Ind. Engg.
Professor J.R.P. Gupta	Instru. & Control Engg. (NSIT)
Professor B.L. Pandit	Economics
Professor Saiyid Zaheer Husain Jafri	History
Professor Sanjay Bhatt	Social Work
Professor Achin Vanaik	Political Science
Dr. Suresh Kumar	African Studies
Professor (Ms.) Rajni Palriwal	Sociology
Dr. Barkatullah Khan	Geography
Professor (Ms.) Madhu Bhalla	East Asian Studies
Professor N.K. Chadha	Adult Continuing Education & Extension (upto 14.02.2009)
The Dean	Faculty of Social Science (w.e.f. 19.02.2010)
Professor (Ms.) Anjali Mittal	Music
Professor Tej Bahadur Singh	Mathematics (upto 21.07.2009)
Professor Balkishan Das	Mathematics (w.e.f. 22.07.2009)
Professor Manju Lata Aggarwal	Operational Research (upto 15.04.2009)
Professor P.K. Kapoor	Operational Research (w.e.f. 16.04.2009)
Dr. (Ms.) Neelima Gupta	Computer Science
Professor M.C. Aggarwal	Statistics (upto 16.07.2009)

Professor Jagdish Sarao	Statistics	(w.e.f. 17.07.2009)
Professor J.K. Mitra	Business Management & Industrial Administration	(upto 27.07.2009)
Professor K. Mamkootam	Business Management & Industrial Administration	(w.e.f. 28.09.2009)
Dr. Abdul Hafeez	Unani Medicine	
Dr. K.K. Sijoria	Ayurvedic Medicine	
Professor Anil Kumar Tyagi	Bio-Chemistry	
Professor (Mrs.) Rani Gupta	Microbiology	
Professor (Ms.) Sheela Srivastava	Genetics	(upto 07.09.2009)
Professor (Mrs.) B.K. Thelma	Genetics	(w.e.f. 08.09.2009)
Professor P. Pardha Saradhi	Environmental Biology	
Professor Anand Kumar Verma	Electronic Science	(upto 21.07.2009)
Professor Avinashi Kapoor	Electronic Science	(w.e.f. 22.07.2009)
Dean, Faculty of Interdisp. & Applied Scs.	Bio-Physics	
Professor Anil Grover	Plant Molecular Biology	
Dr. (Ms.) Kiran Sandhu	Physical Education	(upto 20.06.2009)
Professor D.K. Kansal	Physical Education	(w.e.f. 21.06.2009)
Professor Rashmi Aggarwal	Business Economics	
Professor R.K. Nagpal	Slavonic & Finno Ugrian Studies	
Professor Sanjay Kumar Jain	Commerce	(upto 31.12.2009)
Professor K.V. Bhanumurthy	Commerce	(w.e.f. 01.01.2010)
Professor Sanjay Sehgal	Financial Studies	
Dr. H.C. Pokhriyal	Distance & Continuing Education	

**Statute 2(1)(xiii)**

***Principals of the Colleges***

Dr. Savithri Singh	Acharya Narendra Dev College
Dr. Usha Tuteja	Agricultural Economics Research Centre
Dr. Kalpana Bhrara	Aditi Mahavidyalaya
Dr. A.K. Rishi	Atma Ram Sanatan Dharma College
Dr. Ahmad Yasin	Ayurvedic & Unani Tibbia College
Dr. Bela Sethi	Amar Jyoti Rehabilitation & Research Centre
Ms. Saroj Kumar	Ahilya Bai College of Nurisng
Dr. Purbi Saikia	Bhagini Nivedita College for Women
Dr. (Ms.) Pramodini Verma	Bharati College
Dr. Jai Prakash	Bhaskarayacharya College of Applied Sciences
Dr. G.K. Arora	Bhim Rao Ambedkar College
Dr. Inderjeet Dagar	College of Vocational Studies
Shri M. Vijayamohan	College of Art
Professor Shyam S. Agrawal	Delhi Instt. of Pharmaceutical Sciences & Research
Dr. Suresh Kumar Garg	Deen Dayal Upadhyaya College

Dr. M.S. Rawat	Delhi College of Arts & Commerce
Professor P.B. Sharma	Delhi College of Engineering
Dr. A.P. Raste	Deshbhandhu College
Dr. S.P. Aggarwal	Deshbhandhu College (Evening)
Dr. Inderjeet Singh Bakshi	Dyal Singh College
Dr. (Ms.) Kanan Nanda	Daulat Ram College
Shri K.C. Pandey	Durgabai Deshmukh College of Special Education
Dr. (Ms.) Meera Ramachandra	Gargi College
Dr. V.K. Kawatra	Hans Raj College
Dr. V.K. Srivastava	Hindu College
Dr. D.K. Kansal	Indira Gandhi Instt. of Physical Edu. & Sports Scs.
Dr. Babli Moitra Saraf	Indraprastha College for Women
Dr. (Ms.) Kumud Khanna	Institute of Home Economics
Ms. Bina Agarwal	Institute of Economics Growth
Dr. (Ms.) Indu Anand	Janki Devi Memorial College
Dr. (Sr.) Marina John RJM	Jesus & Mary College
Dr. Bhim Sen Singh	Kirori Mal College
Dr. (Ms.) Madhu Pruthi	Keshav Mahavidyalaya
Dr. Anula Maurya	Kalindi College
Dr. (Ms.) Minoti Chatterjee	Kamala Nehru College
Dr. G.K. Sharma	Lady Hardinge Medical College
Dr. Anupa Sidhu	Lady Irwin College
Dr. (Ms.) Meenakshi Gopinath	Lady Shri Ram College for Women
Dr. (Ms.) Karuna Kaushik	Lakshmibai College
Dr. (Mrs.) Satnam Kaur	Mata Sundri College for Women
Dr. (Ms.) Savita M. Datta	Maitreyi College
Professor A.K. Aggarwal	Maulana Azad Medical College
Professor Pratibha Jolly	Miranda House
Dr. Ramesh Chand Sharma	Moti Lal Nehru College
Dr. B.K. Sharma	Moti Lal Nehru College (Eve.)
Dr. (Ms.) Prabhjot S. Kulkarni	M.V. College of Education
Dr. Sunil Sondhi	Maharaja Agrasen College
Professor Raj Senani	Netaji Subhash Institute of Technology
Dr. Anil Kumari Malhotra	Nehru Homeopathic Medical College
Dr. Inderjeet Singh	PGDAV College
Dr. Dharmendra Kumar	Pt. Deen Dyal Upadhyaya Physically Handicapped
Dr. Vijay Laxmi Pandit	Rajdhani College
Dr. Kalpana Mandal	Raj Kumari Amrit Kaur College of Nursing
Dr. V.K. Sharma	Ram Lal Anand College
Dr. S.C. Sharma	Ram Lal Anand College (Eve.)
Dr. Rajendra Prasad	Ramjas College
Dr. K.P. Bhatt	Satyawati College

Dr. Satendra Kumar Joshi	Satyawati College (Eve.)
Dr. P.K. Khurana	Shaheed Bhagat Singh College
Dr. Jatinder Bir Singh	Sri Guru Gobind Singh College of Commerce
Dr. Jaswinder Singh	Sri Guru Tegh Bahadur Khalsa College
Dr. (Ms.) Manmohan Kaur	Sri Guru Nanak Dev Khalsa College
Dr. (Ms.) Shashi Nijhawan	Shivaji College
Dr. (Ms.) S. Lakshmi Devi	Shaheed Rajguru College of Applied Sciences for Women
Dr. P.C. Jain	Shri Ram College of Commerce
Dr. (Ms.) S.K. Jolly	Shyama Prasad Mukherji College for Women
Dr. M.K. Razdan	Shyam Lal College
Dr. G.P. Aggarwal	Shyam Lal College (Eve.)
Dr. Hari Om	Sri Aurobindo College
Dr. (Ms.) Bimlesh Yadav	Sri Aurobindo College (Eve.)
Dr. P.Hem Lattia Reddy	Sri Venkateswara College
Dr. Valson Thampu	St. Stephan's College
Dr. Poonam Verma	Shaheed Sukhdev College of Business Studies
Dr. S.K. Kundra	Swami Shraddhanand College
Dr. H.C. Pokhriyal	School of Open Learning
Professor O.P. Kalra	University College of Medical Sciences
Dr. V.K. Vijayan	Vallabhbhai Patel Chest Institute
Dr. (Ms.) Renu Sahini	Vivekanand College
Dr. Mohd. Aslam Parvaiz	Zakir Husain College
Dr. Daman Saluja, Director	Dr. B.R. Ambedkar Centre for Bio Medical Research

**Statute 2(1)(xiv)(a)**

***Professors other than Heads of the Departments***

Professor (Ms.) Anupam Mahajan	Music
Professor Avinash Khare	Physics & Astrophysics
Professor Ashwani Kumar Bansal	Law Centre-I
Professor Ashwani Deshpande	Economics
Professor Aditya Bhattacharjee	Economics
Professor Amar Farooqui	History
Professor Ashok Kumar Singh	Zoology
Professor Ashok Nagpal	Psychology
Professor Amitabh Mukharjee	Physics & Astrophysics
Professor Akhilesh Kumar Tyagi	Plant Molecular Biology
Professor (Ms.) Ashum Gupta	Psychology
Professor A.K. Kapoor	Anthropology
Professor A.K. Bhatnagar	Botany
Professor A.S. Narag	Business Management & Industrial Administration

Professor Ajay Kumar	Mathematics	
Professor (Ms.) Anita Rampal	Education	
Professor Alok Rai	English	
Professor A. Marriappan	M.I.L. & Literary Studies	
Professor Apoorvanand Jha	Hindi	
Professor Akshay Kumar Pradhan	Genetics	
Professor A.K. Koul	Law Centre-II	
Professor Ashok Kumar Seth	Commerce	(upto 18.09.2009)
Professor Abhijit Shankar Dasgupta	Sociology	
Professor (Ms.) Annapoorni Subramanian	Physics & Astrophysics	
Professor A.K. Maurya	Slavonic & Finno Ugrian Studies	
Professor Bidyut Chakrabarty	Political Science	
Professor Brajesh Chandra Choudhary	Physics & Astrophysics	
Professor Brij Mohan Tankha	East Asian Studies	
Professor B.P. Sahu	History	
Professor Basu Dev Chatterjee	History	
Professor C.S. Dubey	Geology	
Professor Debajyoti Choudhury	Physics & Astrophysics	
Professor (Ms.) Deepti Omchery Bhalla	Music	
Professor (Ms.) Dipti Sharma Tripathi	Sanskrit	
Professor A.G. Vedeswar	Physics	
Professor D.S. Rawat	Chemistry	
Professor D.K. Sharma	Chemistry	
Professor (Ms.) E.K. Sharma	Electronic Science	
Professor Farhat Hasan	History	
Professor (Ms.) Gopa Bhardwaj	Psychology	
Professor Gaysu R. Arvind	Education	
Professor G.V.R. Prasad	Geology	
Professor Girishwar Mishra	Psychology	
Professor Gurdip Singh	Law Centre-II	
Professor Gopeshwar Singh	Hindi	
Professor G.L. Pandit	Philosophy	
Professor Gulzari Lal Bhalla	Physics & Astrophysics	(upto 07.02.2010)
Professor (Ms.) Geeta Paintal	Music	
Professor Harish Kumar Trivedi	English	
Professor H. Ramachandran	Geography	
Professor Harvinder Pal Singh	Physics & Astrophysics	
Professor H.S. Prasad	Philosophy	
Professor Hari Mohan Sharma	Hindi	
Professor Inderjit Singh	Centre for Environment Management of Degraded Ecosystem	
Professor I.M. Pandey	Financial Studies	
Professor Indranil Dasgupta	Plant Molecular Biology	

Professor Jawahar Lal Kaul	Campus Law Centre	
Professor Jawahar Lal	Commerce	(upto 31.12.2009)
Professor J.P. Sharma	Commerce	
Professor J.P. Khurana	Plant Molecular Biology	
Professor J.P. Srivastva	Geology	
Professor Jintendra Mohan Khurana	Chemistry	
Professor Jagdish Saran	Statistics	
Professor J.S. Viridi	Microbiology	
Professor J.V. Meenakshi	Economics	
Professor J.K. Mitra	Business Management	
Professor K. Mamkoottam	Business Management & Industrial Administration	
Professor Krishna Kumar	Education	
Professor K.M. Shrimali	History	
Professor Kondapudy Sreenivas	Physics & Astrophysics	
Professor (Ms.) Krishna Maitra	Education	
Professor K. Muralidhar	Zoology	
Professor K.V. Bhanumurthy	Commerce	
Professor K.L. Baluja	Physics & Astrophysics	(upto 17.03.2010)
Professor K.N. Tripathy	Electronic Science	
Professor (Ms.) Kuljit Shellie	Punjabi	
Professor Kesavan Veluhat	History	
Professor (Ms.) Kusum Aggarwal	Germanic & Romance Studies	
Professor (Ms.) Monika Dutta	Chemistry	
Professor M.K. Pandit	Inter-disciplinary Studies of Mountain and Hill Environment	
Professor Madan Mohan Chaturvedi	Zoology	
Professor Madan Mohan	Plant Molecular Biology	
Professor (Ms.) Madhu Vij	Business Management & Industrial Administration	
Professor Mazaahir Kidwai	Chemistry	
Professor Mool Chand Sharma	Campus Law Centre	
Professor Mihir Deb	Geology	(upto 20.01.2010)
Professor (Ms.) Malashri Lal	English	
Professor Manjushree Tyagi	Music	
Professor M.P. Sachdeva	Anthropology	
Professor (Ms.) Madhu Bala Saxena	Music	
Professor M. Jayananda	Education	
Professor M.L. Singla	Business Management & Industrial Administration	
Professor (Ms.) Madhu Bhalla	East Asian Studies	
Professor M.P. Srivastava	Physics & Astrophysics	
Professor Meenakshi Thapan	Sociology	



Professor M. Venkat Rajan	Genetics	
Professor Muneesh Kumar	Financial Studies	
Professor Mahesh Rangarajan	History	
Professor Mohd. Nauman Khan	Arabic	
Professor (Ms.) Najma Parveen Ahmad	Music	
Professor Nirmalangshu Mukherjee	Philosophy	
Professor (Ms.) Nargis Jahan	Persian	
Professor (Ms.) Neera Chandhoke	Political Science	
Professor (Ms.) Nomita Aggarwal	Campus Law Centre	
Professor N.M. Kamal	Urdu	
Professor (Ms.) Nandini Sunder	Sociology	
Professor N.K. Kaushik	Chemistry	
Professor (Ms.) Nandita Basu	MIL & Literary Studies	
Professor (Ms.) Namita Rangnathan	Education	
Professor N.K. Chadha	Psychology	
Professor (Mrs.) Poonam Saxena	Law Centre-II	
Professor (Ms.) Poonam Batra	Education	
Professor Pulin B. Nayak	Economics	
Professor P.C. Joshi	Anthropology	
Professor Promod Kumar Verma	Geology	(upto 10.08.2009)
Professor P.K. Kapur	Operational Research	
Professor P.K. Bhatnagar	Electronic Science	
Professor Pammi Dua	Economics	
Professor Patrick Dasgupta	Physics & Astrophysics	
Professor Pawan Kumar Mathur	Chemistry	
Professor Partha Sen	Economics	
Professor (Ms.) Paramjit Khurana	Plant Molecular Biology	
Professor (Ms.) Prem Singh	Hindi	
Professor P.D. Sahare	Physics	
Professor Prahlad C. Ghosh	Bio-Chemistry	
Professor Rama Mathew	Education	
Professor Rita Kakkar	Chemistry	
Professor Rajendra Kumar Saxena	Microbiology	
Professor R.M. Mehra	Electronic Science	(upto 16.01.2010)
Professor Ramesh Chand Sharma	Linguistics	
Professor (Mrs.) Rehana Khatoon	Persian	
Professor R.D. Gaiha	Business Management & Industrial Administration	
Professor R.K. Gautam	Hindi	
Professor R.K. Agnihotri	Linguistics	
Professor R. Geeta	Botany	
Professor Rampal Rana	History	
Professor Ramakant	Chemistry	

Professor R.K. Nagpal	Slavonic & Finno Ugrian Studies
Professor (Ms.) Rashmi Aggarwal	Business Economics
Professor Rajiv Khanna	Campus Law Centre
Professor R.P. Tandon	Physics & Astrophysics
Professor (Ms.) Rohini Somanathan	Economics
Professor Raj S. Dhanker	Business Management & Industrial Administration
Professor R.C. Thakran	History
Professor Ramesh Chandra	Chemistry
Professor Ramesh Chandra Rastogi	Chemistry
Professor (Ms.) Satwanti Kapoor	Anthropology
Professor (Ms.) Suneera Kasliwal	Music
Professor S.R. Mittal	Education
Professor S.M.S. Chauhan	Chemistry
Professor S.L. Malik	Anthropology
Professor (Ms.) Subhadra Channa	Anthropology
Professor Subrata Mukherjee	Political Science (upto 28.01.2009)
Professor Surinder Nath	Anthropology
Professor (Mrs.) S.B.F. Husaini	Persian
Professor Sharif Hussain Qasemi	Persian
Professor Satya Narayana Tulsi	Microbiology
Professor Sambudha Sen	English
Professor Shashi Prabha Singh	Library & Information Science
Professor Sanjay Jain	Physics & Astrophysics
Professor Subash Chand Jain	Chemistry
Professor Sudhir A. Shah	Economics
Professor Subhash Chander Raina	Campus Law Centre
Professor Shobit Majahan	Physics & Astrophysics
Professor (Ms.) Sushma Batra	Social Work
Professor Sneh Lata Tandon	Social Work
Professor Sunita Singh Sengupta	Business Management & Industrial Administration
Professor S.C. Bhatla	Botany
Professor S.K. Sawhney	Botany
Professor Shirshendu Chakrabarti	English
Professor Shyam B. Menon	Education
Professor Sunil Kanwar	Economics
Professor Sadhana Saxena	Education
Professor Shahid Amin	History
Professor Sunil Kumar	History
Professor (Ms.) Sunita Dhar	Music
Professor Sri Ram Khanna	Commerce
Professor Sunil Kumar Sharma	Chemistry

Professor Satish Deshpande	Sociology
Professor Shaswati Mazumdar	Germanic & Romance Studies
Professor Shashi Bhushan Babbar	Botany
Professor Sheoraj Singh	Hindi
Professor T.C.A. Anant	Economics
Professor Tanveer Ahmad Khan	Urdu
Professor Tej Bahadur Singh	Mathematics
Professor Tista Bagchi	Linguistics
Professor T.R. Sheshadri	Physics
Professor T.K. Venketasubramanian	History
Professor (Ms.) Tulsi Patel	Sociology
Professor Uma Garg	Music
Professor Usha S. Razdan	Law Centre-I
Professor Umesh Rai	Zoology
Professor Uday Kumar	English
Professor (Ms.) Upinder Singh	History
Professor V.K. Bhasin	Zoology
Professor Vijayanand Sharma	Geology
Professor V.K. Bhalla	Business Management & Industrial Administration
Professor Vijay Kapur	Business Management & Industrial Administration
Professor (Ms.) V. Radha	Music
Professor V. Raghvendra Rao	Anthropology
Professor Virginius Xaxa	Sociology
Professor Vijay Kumar Kaul	Business Economics
Professor Vivek Suneja	Business Management & Industrial Administration
Professor Vinay Gupta	Physics
Professor V.K. Srivastava	Anthropology
Professor (Ms.) Ved Kumari	Law Centre-I
Professor (Ms.) Veena Bakshi	Law Centre –I
Professor (Ms.) Vinay Lal	History
Professor V.K. Vasal	Financial Studies
Professor V.K. Chaudhury	Bio-Chemistry
Professor V.K. Seth	Business Management & Industrial Administration
Professor Y.P. Singh	Commerce

**Statute 2(1)(xiv)(b)**

***Professors from the Faculty of Medical Sciences***

Professor (Ms.) Rashmi Babbar	Physiology (MAMC)
Professor (Ms.) Geeta Dev	Pathology (UCMS)

Professor O.P. Kalra	Medicine (UCMS)	(upto 19.12.2009)
Professor Sudhir Kumar	Orthopaedics (UCMS)	(w.e.f. 20.12.2009)
Professor G.K. Sharma	Forensic Medicine (LHMC)	(upto 19.12.2009)
Professor Usha Rusia	Pathology (UCMS)	(w.e.f. 20.12.2009)
Professor Raktima Anand	Anaesthesiology (MAMC)	

**Statute 2(1) (xiv)( c)**

***Professors from the Faculty of Technology***

Professor C.K. Dutta	Production & Industrial Engg.	(upto 05.04.2009)
Professor Suresh Kumar Garg	Production & Industrial Engg.	(w.e.f.06.04.2009)
Professor Santosh Kumar Singh	Civil Engineering	
Professor Ashok De	Electronics & Comm. Engg.	

**Statute 2(1) (xv) (a)**

***Readers by rotation according to Seniority***

Dr. S.K. Tuteja	Business Management & Industrial Administration	(upto 16.11.2009)
Dr. (Ms.) Preetam Khandelwal	Business Management & Industrial Administration	(w.e.f. 17.11.2009)
Dr. Ajay Pandit	Business Management & Industrial Administration	

**Statute 2(1) (xv) (b)**

***Lecturers by rotation according to Seniority***

Dr. Mahavir Kalon	Law Centre-II	
Dr. O.P. Sharma	Law Centre-II	(upto 07.03.2010)
Shri Param Jit	East Asian Studies	
Dr. Indira Narain Singh	Buddhist Studies	
Dr. Rumesh Chander	Education	(upto 10.09.2010)
Shri Rajender Kumar	Persian	(w.e.f. 15.09.2009)
Shri Sunil Kumar Gupta	Campus Law Centre	

**Statute 2(1) (xvi)**

***Representatives of Alumni Association***

Dr. Ishwar Prakash Mittal	Shri Jasbir Singh
Shri Jagdish Chander Kochhar	Shri Ram Kumar
Shri Hari Shankar Gupta	Shri Sanjeet Kr. Singh
Dr. Tushar Roy	Shri Vijay Kinger
Dr. Shyam Sunder Rathi	Ms. Indrani Ghosh

**Statute 2(1) (xvii)**

***Representative of Certain Professions***

Shri Kailash Gambhir	(upto 10.02.2010)
Shri Surya Prakash Khatri	(upto 27.01.2010)
Shri Som Dutta Sharma	

Shri K. Prabha Kar Rao (upto 10.02.2010)  
Shri Jitendra Sharma  
Shri Rajeew Saxena (upto 26.08.2009)  
Shri Naresh Kumar Beniwal  
Shri Ram Narain Vats (w.e.f. 27.08.2009)  
Dr. Khem Singh Bhati  
Shri Jainendra Sahai Sinha (upto 26.08.2009)  
Shri Vikas Mahotra

**Statute 2(1) (xviii)**

***Representing Industry and Commerce***

Shri Shiv Shankar (w.e.f. 27.08.2009)  
Shri Ajay Kumar (w.e.f. 27.08.2009)  
Shri Om Prakash Malhotra (upto 26.08.2009)  
Shri Jainender Kumar Mittal (upto 26.08.2009)  
Sh. Ashok Adil Kathuria  
Sh. Sudhanva Deshpande  
Sh. Sandeep Narula  
Sh. Sh. Anil Parashar (w.e.f. 27.08.2009)

**Statute 2(1) (xix)**

***Representatives of Legislature***

Shri Sandeep Dikshit  
Shri Ashok  
Kumar Pradhan (upto 20.07.2009)  
Shri Arun Jaitley  
Shri Nishikant Dubey (w.e.f. 07.08.2009)

**Statute 2(1)(xx)**

***Representing of Metropolitan Council***

Shri Ramakant Goswami  
Shri Anil Bhardwaj

**Statute 2(1) (xxi)**

***Representing Municipal Corporation***

Shri Raj Khurana	Shri Jagdish Mamgain
24, Gujranwala Town, Part-II	A96, IInd Floor, Jawahar Park
Delhi-110070	Deoli Road, Khanpur, New Delhi-110062

**Statute 2(1) (xxii)**

***Nominated Members of Central Board of Secondary Education***

Shri Ashok Ganguly	Chairman
Shri Vineet Joshi	Chairman (Officiating)

- Statute 2(1) (xxiii) (a)**  
***Nominated by the Visitor***  
Dr. R. Chidambaram (upto 08.11.2009)  
Professor P.N. Srivastava (upto 16.02.2010)  
Professor U.R. Ananthamurti (upto 08.11.2009)  
Dr. Anima Bose (upto 08.11.2009)
- Statute 2(1) (xxiii) (b)**  
***Nominated by Chief Rector***  
Professor Y.V.S.R. Sastry
- Statute 2(1) (xxiii) (c)**  
***Nominated by Chancellor***  
Dr. V.S. Vyas (upto 11.02.2010)  
Dr. D.V. Singh (upto 11.02.2010)  
Professor Mrinal Miri  
Professor Roop Rekha Verma

## THE EXECUTIVE COUNCIL

- Statute 5(1) (i)**  
***Vice-Chancellor***  
Professor Deepak Pental
- Statute 5(1) (ii)**  
***Pro-Vice-Chancellor***  
Professor S.K. Tandon
- Statute 5(1) (iii)**  
***Dean of Colleges***  
Professor (Ms.) Nayanjot Lahiri
- Statute 5(1) (iv)**  
***Director, South Delhi Campus***  
Professor Dinesh Singh
- Statute 5(1) (v)**  
***Director, Campus of Open Learning***  
Dr. Savita M. Datta
- Statute 5(1) (vi)**  
***Treasurer***  
Ms. Janaki Kathpalia

**Statute 5(1) (vii)**

***Proctor***

Professor Gurmeet Singh

**Statute 5(1) (viii)**

***Deans of the Faculties***

Science

Professor Rup Lal

Arts

Professor M.M. Agrawal

Social Sciences

Professor Achin Vanaik (upto 28.12.2009)

Professor Rajni Palriwala (w.e.f. 29.12.2009)

Applied Social Sciences  
& Humanities

Professor (Ms.) Rashmi  
Aggarwal

**Statute 5(1) (ix)**

***Principals***

Dr. V.K. Vijayan

Dr. S.K. Jolly

(upto 11.12.2009)

Dr. Satnam Kaur

(w.e.f. 12.12.2009)

Dr. Bhim Sen Singh

(upto 28.12.2009)

Dr. S.K. Garg

(w.e.f. 29.12.2009)

**Statute 5(1) (x)**

***Representatives of the Court***

Shri Ram Narain Vats

Shri Som Dutta Sharma

Shri Khem Singh Bhati

Shri Naresh Kumar Beniwal

**Statute 5(1) (xi)**

***University Teachers' Representatives***

Dr. Sibha C. Panda

Shri Rajib Ray

**Statute 5(1) (xii)**

***Visitor's Nominee***

Shri Anil Kakodkar

(upto 25.04.2009)

Professor Asis Datta

(w.e.f. 02.09.2009)

Professor Abhijit Sen

(upto 25.04.2009)

Dr. K.B. Patil

(w.e.f. 02.09.2009)

**Statute 5(1) (xiii)**

***Chancellor's Nominee***

Shri Javid Choudhary

## THE ACADEMIC COUNCIL

**Statute 7(1) (i)**

***Vice-Chancellor***

Professor Deepak Pental

**Statute 7(1) (ii)**

***Pro-Vice-Chancellor***

Professor S.K. Tandon

**Statute 7(1) (iii)**

***Dean of Colleges***

Professor (Ms.) Nayanjot Lahiri

**Statute 7(1) (iv)**

***Director, South Delhi Campus***

Professor Dinesh Singh

**Statute 7(1) (v)**

***Director, Campus of Open Learning***

Dr. (Ms.) Savita M. Datta

**Statute 7(1) (vi)**

***Librarian***

Dr. Suprabhat Majumdar

**Statutes 7(1) (vii)**

***Deans of the Faculties***

<i>Arts</i>	:	Professor M.M. Agrawal	
<i>Science</i>	:	Professor Rup Lal	
<i>Social Sciences</i>	:	Professor Achin Vanaik	(upto 28.12.2009)
		Professor Rajni Palriwala	(w.e.f. 29.12.2009)
<i>Law</i>	:	Professor S.N. Singh	
<i>Management Studies</i>	:	Professor J.K. Mitra	(upto 27.09.2009)
		Professor K. Mamkootam	(w.e.f. 28.09.2009)
<i>Mathematical Sciences</i>	:	Professor (Ms.) Manju Lata Aggarwal	(upto 15.04.2009)
		Professor P.K. Kapoor	(w.e.f. 16.04.2009)
<i>Medical Sciences</i>	:	Professor (Ms.) Kiran Mishra	(w.e.f. 22.01.2009)
<i>Music &amp; Fine Arts</i>	:	Professor (Ms.) Anjali Mittal	
<i>Technology</i>	:	Professor Santosh Kumar Singh	(upto 16.04.2009)
		Professor Ashutosh Trivedi	(w.e.f. 17.04.2009)
<i>Ayurvedic and Unani Medicine</i>	:	Dr. Abdul Hafeez	



<i>Education</i>	:	Professor (Ms.) Bharati Baveja (upto 01.11.2009)
		Professor Anita Rampal (w.e.f. 03.11.2009)
<i>Inter-Disciplinary and Applied Sciences</i>	:	Professor (Ms.) Rani Gupta (upto 07.09.2009)
<i>Applied Social Sciences and Humanities</i>	:	Professor Avinashi Kapoor (w.e.f. 08.09.2009)
<i>Commerce &amp; Business</i>	:	Professor (Ms.) Rashmi Aggarwal
		Professor Sanjay Sehgal

**Statute 7(1) (viii)**

***Heads of the Departments***

Professor Sumanyu Satpathy	English	
Professor M.M. Agrawal	Sanskrit	
Professor Ashok Vohra	Philosophy	
Professor Vibha Maurya	Germanic & Romance Studies	
Dr. Rakesh Kumar Bhatt	Library & Information Science	
Professor Sudhish Pachauri	Hindi	
Dr. Syed Ali Karim	Urdu	
Professor P.C. Patnaik	M.I.L. & Literary Studies	
Professor Bhiksu Satyapala	Buddhist Studies	(upto 01.03.2010)
Professor K.T.S. Rao	Buddhist Studies	(w.e.f. 02.03.2010)
Professor Ravindra Gargesh	Linguistics	(upto 31.08.2009)
Professor Tista Bagchi	Linguistics	(upto 10.03.2010)
Professor R.K. Agnihotri	Linguistics	(w.e.f. 11.03.2010)
Professor Anand Prakash	Psychology	
Dr. Wali Akhtar	Arabic	
Professor Chander Shekhar	Persian	(upto 03.08.2009)
Professor (Ms.) Rehana Khatoon	Persian	(w.e.f. 04.08.2009)
Dr. Manjit Singh	Punjabi	
Professor D.S. Kulshrestha	Physics & Astrophysics	
Professor V.S. Parmar	Chemistry	
Professor P.K. Ghosh	Anthropology	
Professor Rup Lal	Zoology	
Professor I. Usha Rao	Botany	
Dr. (Ms.) Kumud Khanna	Home Science	
Professor Anand Mohan Bhola	Geology	(upto 10.08.2009)
Professor V.N. Bajpai	Geology	(w.e.f. 11.08.2009)
Professor B.P. Srinivasan	Pharmacy	(upto 06.06.2009)
Professor S.S. Agrawal	Pharmacy	(w.e.f. 07.06.2009)
Professor S.N. Singh	Law	
Dr. R.C. Jiloha	Psychiatry (MAMC)	
Professor N.K. Agarwal	Forensic Medicine (UCMS)	
Professor (Ms.) Suneela Garg	Community Medicine (MAMC)	
Professor Amit Banerjee	Surgery (MAMC)	

Professor Sachin Kumar Jain	Medicine (LHMC)
Professor (Ms.) Kiran Mishra	Pathology (UCMS)
Professor (Ms.) Usha Manaktala	Obstat. & Gyna. (MAMC) (upto 07.08.2009)
Professor (Ms.) Neelam Balavaid	Obstat. & Gyna. (MAMC) (w.e.f. 03.08.2009)
Professor S.K. Bhattacharya	Pharmacology (UCMS)
Professor Rama Anand	Radiology (LHMC)
Professor B.D. Banerjee	Medical Bio-Chemistry (UCMS)
Professor Kamlesh Khatri	Anatomy (UCMS)
Professor Anil Kumar Dhall	Orthopaedics (MAMC) (upto 02.12.2009)
Professor Ajay Kumar Gupta	Orthopaedics (MAMC) (w.e.f. 03.12.2009)
Professor Aneeta Chakravarty	Medical Microbiology (MAMC)
Professor Savita Singh	Physiology (UCMS)
Professor (Ms.) Archana Singhal	Dermatology & Venereology (UCMS)
Professor (Ms.) Jolly Rohtagi	Ophthalmology (UCMS)
Professor Raj Kumar	Pulmonary Medicine (VPCI)
Professor (Ms.) Satinder Aneja	Paediatrics (LHMC) (upto 25.05.2009)
Professor (Ms.) Anand Prakash Dube	Paediatrics (MAMC) (w.e.f. 26.05.2009)
Professor T.S. Anand	Otolaryngology (LHMC)
Professor Ashok Kumar	Anaesthesiology (UCMS)
Professor Mahesh Verma	Dental Sciences
Professor Bharati Baveja	Education (upto 01.11.2009)
Professor Anita Rampal	Education (w.e.f. 03.11.2009)
Professor Sagar Maji	Mechanical Engg. (DCE) (upto 15.10.2009)
The Dean	Faculty of Technology (w.e.f. 16.10.2009)
Dr. Narender Kumar	Electrical Engineering (DCE)
Professor Santosh Kumar Singh	Civil Engineering (DCE)
Professor Ashuto Trivedi	Civil Engineering (DCE) (w.e.f. 17.04.2009)
Professor Ashok De	Electronics & Comm.
	Engineering (upto 07.08.2009)
	Faculty of Technology (w.e.f. 09.09.2009)
	Production & Industrial Engg.
	Computer Engineering (DCE)
	Computer Engineering
	Instrumentation & Control Engg. (NSIT)
	Economics
	History
	Social Work
	Political Science
	African Studies
	Sociology
	Geography
	East Asian Studies
The Dean	
Professor Suresh Kumar Garg	
The Dean, Faculty of Technology	
The Dean, Faculty of Technology	
Professor J.R.P. Gupta	
Professor B.L. Pandit	
Professor Saiyid Zaheer Husain Jafri	
Professor Sanjay Bhatt	
Professor Achin Vanaik	
Dr. Suresh Kumar	
Professor (Ms.) Rajni Palriwala	
Dr. Barkatullah Khan	
Professor (MS.) Madhu Bhalla	

Professor N.K. Chadha	Adult Continuing Education & Extension (upto 14.02.2009)
The Dean	Faculty of Social Work (w.e.f. 19.02.2009)
Professor (Ms.) Anjali Mittal	Music
Professor Tej Bahadur Singh	Mathematics (upto 21.07.2009)
Professor Bal Kishan Das	Mathematics (w.e.f. 22.07.2009)
Professor Manju Lata Aggarwal	Operational Research (upto 15.04.2009)
Professor P.K. Kapur	Operational Research (w.e.f. 16.04.2009)
Dr. (Ms.) Neelima Gupta	Computer Science
Professor M.C. Aggarwal	Statistics (upto 16.07.2009)
Professor Jagdish Saran	Statistics (w.e.f. 17.07.2009)
Professor J.K. Mitra	Business Management & Industrial Administration (upto 27.09.2009)
Professor K. Mamkootam	Business Management & Industrial Administration (w.e.f. 28.09.2009)
Dr. Abdul Hafeez	Unani Medicine
Dr. K.K. Sijoria	Ayurvedic Medicine
Professor Anil Kumar Tyagi	Bio-Chemistry
Professor (Mrs.) Rani Gupta	Microbiology
Professor (Ms.) Sheela Srivastava	Genetics (upto 07.09.2009)
Professor B.K. Thelma	Genetics (w.e.f. 08.09.2009)
The Dean, Faculty of Science	Environmental Biology
Professor Anand Kumar Verma	Electronic Science (upto 21.07.2009)
Professor Avinashi Kapoor	Electronic Science (w.e.f. 22.07.2009)
Professor Anil Grover	Plant Molecular Biology
Dr. (Ms.) Kiran Sandhu	Indira Gandhi Instt.ofPhysical (upto 20.06.2009) Education & Sports Sciences
Professor D.K. Kansal	Indira Gandhi Instt.ofPhysical (w.e.f. 21.06.2009) Education & Sports Sciences
Professor (Ms.) Rashmi Aggarwal	Business Economics
Professor R.K. Nagpal	Slavonic & Finno Ugrian Studies
Professor Sanjay Kumar Jain	Commerce (upto 31.12.2009)
Professor K.V. Bhanumurthy	Commerce (w.e.f. 01.01.2010)
Professor Sanjay Sehgal	Financial Studies
Dr. H.C. Pokhriyal	Distance & Continuing Education

**Statute 7(1) (ix) (a)**

***Professors other than Heads of the Departments***

Professor D.S. Kulshreshtha	Physics & Astrophysics
Professor Harish Kumar Trivedi	English
Professor (Ms.) Manju Lata Aggarwal	Operational Research (upto 03.08.2009)
Professor Gopa Bhardwaj	Operational Research (w.e.f. 07.09.2009)
Professor Girishwar Mishra	Psychology (upto 25.08.2009)

Professor V.S. Parmar	Chemistry	(w.e.f.07.09.2009)
Professor T.K. Venkatasubramaniam	History	(upto 05.09.2009)
Professor V.K. Bhasin	History	(w.e.f. 06.09.2009)
Professor Malashri Lal	English	(w.e.f. 24.03.2009)

**Statute 7(1) (ix) (b)**

***Professor from the Faculty of Medical Sciences***

Professor A.T. Kanon UCMS

**Statute 7(1) (ix) (c)**

***Professor from the Faculty of Technology***

Professor Raj Senani Electrical Engineering

**Statute 7(1) (x)**

***Principals of Colleges***

Dr. (Ms.) Indu Anand	Janki Devi Memorial College	(upto 22.07.2009)
Dr. Jai Prakash	Bhaskaracharya College of Applied Science	(w.e.f. 23.07.2009)
Dr. (Ms.) Anupa Sidhu	Lady Irwin College	(upto 22.07.2009)
Dr. O.P. Kalra	Univ. College of Med. Sc.	(w.e.f. 23.07.2009)
Dr. (Ms.) Minoti Chatterji	Kamala Nehru College	(upto 07.08.2009)
Dr. Kanan Nanda	Daulat Ram College	(w.e.f. 19.08.2009)
Dr. A.P. Raste	Deshbandhu College	(upto 18.08.2009)
Dr. (Ms.) Manmohan Kaur	SGND Khalsa College	(w.e.f. 19.08.2009)
Dr. P.C. Jain	Shri Ram College of Commerce	
Dr. S.R. Arora	Hans Raj College	(w.e.f. 03.10.2008)
Dr. Savithri Singh	Acharya Narendra Dev College	
Dr. Inderjeet	College of Vocational Studies	
Dr. Inderjeet Singh Bakshi	Dyal Singh College	
Dr. Guljit K. Arora	B.R. Ambedkar College	
Dr. M.K. Razdan	Shyam Lal College	
Dr. M. Ramachandran	Gargi College	
Dr. Jaswinder Singh	S.G.T.B. Khalsa College	
Dr. Vijay Laxmi Pandit	Rajdhani College	
Dr. Mohd. Aslam Parvaiz	Zakir Hussain College	(upto 20.08.2009)
Dr. Jatinder Bir Singh	S.G.G.S. College of Commerce	(w.e.f. 21.08.2009)

**Statute 7(1) (xi)**

***Dean Students' Welfare***

Professor S.K. Vij

**Statute 7(1) (xii)**

***University Teachers' Representatives***

Shri J. Khuntia

Dr. Rajiv Kumar Verma

Dr. Abha Dev Habib	
Shri R.S. Dahiya	
Shri Surendra Kumar	
Dr. Jaspali Chauhan	
Dr. Shri Prakash Singh	
Dr. N.K. Agarwalla	
Dr. Rajni Abbi	
Dr. Kishor Kumar Aggarwal	
Dr. (Ms.) Arjumand Ara	
Dr. Sanjay Tyagi	(w.e.f. 24.12.2009)
Dr. Aruna Chikara	(w.e.f. 24.12.2009)
Ms. Meena	(w.e.f. 24.12.2009)
Dr. Rakesh Kumar	(w.e.f. 24.12.2009)
Shri Sanjay Verma	(w.e.f. 24.12.2009)
Shri Sheo Dutt	(w.e.f. 24.12.2009)
Dr. Anurag Mishra	(w.e.f. 24.12.2009)
Shri Vijay Singh	(w.e.f. 24.12.2009)
Dr. Arun Kumar	(w.e.f. 24.12.2009)
Shri Dhani Ram	(w.e.f. 24.12.2009)
Shri D.V. Singh	(w.e.f. 24.12.2009)
Dr. (Ms.) Vijaya Venkatraman	(w.e.f. 24.12.2009)
Shri Ashok Kumar Singh	(w.e.f. 24.12.2009)
Dr. Jagbir Singh	(w.e.f. 24.12.2009)
Dr. B.L. Sharma	(w.e.f. 24.12.2009)

**Statute 7 (1) (xiv)**

***Co-opted Members***

Professor K.C. Upadhyay	(w.e.f. 19.10.2007)
Dr. Kishan Lal	(upto 18.10.2009)
Professor Gagan Pratap	(w.e.f. 28.10.2009)

**THE FINANCE COMMITTEE**

**Statute 10-A(i)**

***Vice-Chancellor***

Professor Deepak Pental	<i>Chairman</i>
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**Statute 10-A(ii)**

***Pro-Vice-Chancellor***

Professor S.K. Tandon
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**Statute 10-A(iii)**

***Nominated by the Visitor***

Shri Sunil Kumar	(w.e.f. 25.05.2009)
Shri S.K. Ray	(w.e.f. 20.05.2009)

**Statute 10-A(iv)*****Elected by the University Court***

Shri Shiv Shankar

Dr. I.P. Mittal

**Statute 10-A(v)*****Treasurer***

Ms. Janaki Kathpalia

**TEACHING STAFF*****Obituaries***

<i>Name</i>	<i>Designation</i>	<i>Date of Expiry</i>
Professor A.K. Seth	Professor	(19.09.2009)
Dr. Achyut Mandal	Reader	(17.11.2009)

***Appointments***

<i>Name</i>	<i>Department</i>	<i>Date of joining</i>
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***Professors***

Dr. Vinod Kumar	Zoology	(16.04.2009)
Ms. Sneh Lata	Hindi	(22.04.2009)
Shri Tek Chand Meena	Sanskrit	(29.04.2009)
Shri A. Zothansanga	Mathematics	(04.05.2009)
Dr. R. Geeta	Botany	(20.07.2009)
Ms. Yukti Sharma	Education	(01.09.2009)
Shri Ashish Ranjan	Education	(02.09.2009)
Ms. Haneet Gandhi	Education	(09.09.2009)
Ms. Preeti Vivek Mishra	Education	(14.09.2009)
Shri M. Rajendran	Education	(14.09.2009)
Dr. Biswamoy Pati	History	(09.10.2009)
Dr. Shree Ram Mittal	Education	(12.10.2009)
Dr. Lalit Kumar	Mathematics	(12.10.2009)
Dr. (Ms.) Nandini Chandra	English	(13.10.2009)
Professor Kesavan Veluhat	History	(13.10.2009)
Dr. Mushtaq Alam Qadri	Urdu	(13.10.2009)
Dr. David Vumlallian Zou	History	(14.10.2009)
Dr. Rahul Govind	History	(14.10.2009)
Dr. Yaseer Arafath Pothukandyil	History	(14.10.2009)
Dr. (Ms.) Shalini Shah	History	(15.10.2009)
Shri Mithun Kumar	Urdu	(15.10.2009)

Shri Saifuddin Ahmad	History	(16.10.2009)
Dr. Rupendra Guha Mazumdar	English	(16.10.2009)
Dr. (Ms.) Charu Gupta	History	(20.10.2009)
Dr. (Ms.) Naorem Aruna Devi	Genetics	(20.10.2009)
Dr. Tapan Kumar Basu	English	(21.10.2009)
Dr. Anirudh Deshpande	History	(22.10.2009)
Dr. (Mrs.) Anupama Panigarhi	Mathematics	(22.10.2009)
Dr. Parul Pandya Dhar	History	(23.10.2009)
Dr. Arvind Patel	Mathematics	(30.10.2009)
Dr. Tapasya Srivastava	Genetics	(30.10.2009)
Shri Ratul Baishya	Botany	(06.11.2009)
Dr. (Ms.) Kanchan Joshi	Mathematics	(05.11.2009)
Dr. Man Mohan Singh	G.R.S.	(11.11.2009)
Dr. (Mrs.) Tanvi Jain	Mathematics	(11.11.2009)
Dr. (Ms.) Sanghamitra Misra	History	(13.11.2009)
Dr. Shonaleeka Kaul	History	(14.10.2009)
Dr. Ashutosh Kumar Singh	Geology	(17.11.2009)
Dr. Riziuddin Aquil	History	(01.12.2009)
Professor G.V.R. Prasad	Geology	(01.12.2009)
Dr. Pramod Kumar	Geology	(07.12.2009)
Dr. Yogender Pal Khasa	Micro-Biology	(08.12.2009)
Dr. Partha Pratim Chakrabarty	Geology	(17.12.2009)
Dr. Vimal Singh	Geology	(22.12.2009)
Dr. Subarno Chattarjai	English	(22.12.2009)
Dr. V. Raghavendra Rao	Anthropology	(31.12.2009)
Dr. M. Jayananda	Geology	(01.01.2010)
Dr. N.C. Pant	Geology	(01.01.2010)
Dr. Aparna Balachandran	History	(04.01.2010)
Dr. Atul Gaur	Mathematics	(07.01.2010)
Dr. (Ms.) Jyoti Rajput	Physics & Astrophysics	(07.01.2010)
Dr. Priya Panjabi Massand	Botany	(11.01.2010)
Dr. Sandhya Aneja	IIC	(19.01.2010)
Dr. Raj Kishore Sharma	Chemistry	(17.02.2010)
Dr. Anil Kumar Rai	Hindi	(12.02.2010)
Dr. Manju Mukul Kumble	Hindi	(12.02.2010)
Dr. Sanjay Kumar	Hindi	(12.02.2010)
Dr. Sheoraj Singh	Hindi	(12.02.2010)
Dr. Kusum Lata	Hindi	(12.02.2010)
Ms. Sugata Bag	Economics	(15.02.2010)
Dr. Rajendra Prakash Gautam	Hindi	(15.02.2010)
Dr. Brajendra Kumar Singh	Chemistry	(15.02.2010)
Dr. Sandip Das	Botany	(16.02.2010)

Dr. Ramanaryan Patel	Hindi	(16.02.2010)
Dr. Alpana Mishra	Hindi	(18.02.2010)
Dr. Manisha Goel	Bio-Physics	(22.02.2010)
Dr. Niranjan Kumar	Hindi	(22.02.2010)
Dr. Vinod Tiwari	Hindi	(24.02.2010)
Dr. Ashutosh Kumar	Hindi	(25.02.2010)
Dr. Rochelle Pinto	English	(02.03.2010)
Dr. Surinder Singh	Chemistry	(10.03.2010)
Dr. Rajeev Kaul	Micro-Biology	(12.03.2010)
Dr. Krishnamurthy Natarajan	ACBR	(15.03.2010)
Dr. Sourav Sur	Physics	(15.03.2010)
Dr. Sanjeev Kumar Verma	Physics	(16.03.2010)
Dr. Deepti Goel	Economics	(16.03.2010)
Dr. Pravin Chandra	IIC	(22.03.2010)
Dr. Yashwanti Mudgil	Botany	(29.03.2010)

### **Readers**

Dr. Shibnath Mazumdar	Zoology	(03.04.2009)
Dr. (Ms.) Brinda Bose	English	(24.04.2009)
Dr. Prasanta Chakravarty	English	(27.04.2009)
Dr. Raj Kumar	English	(28.04.2009)
Dr. C.S. Lalitha	Mathematics	(19.06.2009)
Dr. (Ms.) Ranjana Mukhopadhyay	East Asian Studies	(31.07.2009)
Dr. (Ms.) Janaki Abraham	Sociology	(15.10.2009)
Dr. Abanti Bhattacharya	East Asian Studies	(06.03.2009)
Dr. Basudeb Saha	Chemistry	(27.03.2009)
Dr. Yasmeen Arif	Sociology	(01.12.2009)
Dr. Indrajit Roy	Chemistry	(30.12.2009)
Dr. Sanjay Katiyar	Zoology	(19.01.2010)
Dr. Rita Brara	Sociology	

### **Lecturers**

Dr. Dhanraj T. Masram	Chemistry	(01.04.2009)
Md. Naimuddin	Physics	(04.04.2009)
Dr. Ananya Kumar Dey	Music	(16.04.2009)
Ms. Shashi Rani	Social Work	(13.07.2009)
Dr. Ashima Saikia	Geology	(30.07.2009)
Shri Kamei Aphun	Sociology	(01.10.2009)



**Retirement after attaining the Age of 65 years**

<i>Name</i>	<i>Department</i>	<i>Date of Retirement</i>
<b>Professors</b>		
Dr. A.K. Kaul	Law Centre-II	(15.04.2009)
Dr. Pramod Kumar Verma	Geology	(10.08.2009)
Shri K.R. Sharma	CLC	(31.03.2010)
Dr. K.L. Baluja	Physics	(31.03.2010)
Dr. Nargis Jahan	Persian	(03.08.2009)

**Termination/Disengaged**

<i>Name</i>	<i>Department</i>	<i>Date</i>
Prof. Rohtash Kumar	Chemistry	(17.08.2009)
Prof. Ramesh Chandra	Chemistry	(26.03.2010)

**Resignation**

<i>Name</i>	<i>Department</i>	<i>Date</i>
Dr. Harihar Bhattacharya – Professor	Political Science	(14.05.2009)
Dr. Poonam Bala – Reader	Sociology	(01.07.2009)
Dr. Surabhi Aggarwal – Reader	Social Work	(03.06.2009)
Dr. Poonam Gupta – Reader	Economics	(10.07.2009)
Dr. Ashwani Kumar – Reader	Political Science	(11.06.2009)
Dr. Jyotirmoy Maitry – Lecturer	Chemistry	(30.09.2009)

**Study Leave/Extra-Ordinary Leave/Special Leave, etc.**

<i>Name</i>	<i>Department</i>	<i>Date</i>
<b>Professors</b>		
Dr. Rajni Abbi	Law Centre-II	(31.07.2010)
Ms. Topi Basar	Law Centre-I	(03.08.2010)
Ms. Abha Shukla	Commerce	(31.08.2010)
Mr. Gireesh Kumar J	Law Centre-I	(28.08.2010)
Dr. Shanta N. Verma	Political Science	(01.08.2009)
Dr. (Mrs.) Alka Chawla	Campus Law Centre	(10.04.2010)
Prof. Neera Chandhoke	Political Science	(11.06.2009)
Prof. S.C. Raina	Campus Law Centre	(13.07.2009)
Prof. Satish Deshpande	Sociology	(31.07.2010)
Dr. Ira Raja	English	(31.08.2010)
Prof. Vijay Kapur	FMS	(01.06.2010)
Prof. Brij Mohan Thanka	East Asian Studies	(Nov. 2009 to Oct. 2010)
Prof. Dinesh Singh	Mathematics	(08.08.2009)

Dr. Satyajit Singh	Political Science	(06.08.2010)
Prof. Ravinder Gargesh	Linguistics	(31.08.2009)
Prof. Sunil Kumar	History	(30.09.2010)
Prof. Ashok Nagpal	Psychology	(31.08.2010)
Prof. Partha Sen	Economics	(25.11.2009)
Prof. Kusum Aggarwal	G.R.S.	(16.12.2009)
Dr. Anju Vali Tikoo	Law Centre-I	(01.07.2010)
Prof. Vinay Kumar Srivastava	Anthropology	(09.03.2011)
Mr. Nabin Kumar Panda	East Asian Studies	(20.04.2010)

### **Readers**

Dr. Rita Brara	Sociology	(July 2009 to July2010)
Dr. Shobha Sinha	Education	(31.08.2011)
Dr. Madhulika Banerjee	Political Science	(16.07.2010)
Dr. Anshu Malhotra	History	(31.07.2010)
Dr. Deepak Mehta	Sociology	(31.12.2010)
Dr. Namita Agarwal	Zoology	(04.01.2010)
Dr. Dilip Madhav Menon	History	(29.08.2010)
Dr. Prem Singh	Hindi	(30.11.2009)
Dr. Tomy Philip	Social Work	(12.02.2010)
Dr. (Ms.) Gail Coelha	Linguistics	(28.02.2011)
Dr. Basudeb Saha	Chemistry	(21.10.2009)

### **Lecturers**

Ms. Anu	Law Centre-I	(09.12.2009)
Mrs. T.S. Raji	Music	(01.07.2010)
Shri Kumar Abhay	Statistics	(31.08.2010)

### **Visiting Professors/Lecturers /Fellows**

#### **Visiting Professors**

<i>Name</i>	<i>Department</i>	<i>Date</i>
Professor G.K. Chadha	Physics	(11.11.2009)
Professor R.S. Kaushal	Physics	(02.11.2009)
Professor D.K. Chakrabarti	Buddhist Studies	(31.10.2009)
Professor S.K. Saxena	Music	(18.11.2009)
Professor S.M.Z. Talha Rizvi	Urdu	

#### **Visiting Fellows**

Professor Manvindra Kishore Das	Buddhist Studies	(24.07.2009)
Mr. Savyasaachi Jain	Sociology	(05.10.2009)
Ms. Sonam Chuki	Sociology	(05.10.2009)

Prof. G. Aloysius	Sociology	(26.10.2009)
Mrs. Anwar Shaheen	Sociology	(28.10.2009)
Professor Kate Teltsher	English	(08.11.2009)
Professor Hortense Spillens	English	(22.12.2009)
Professor O.P. Jaiswal	Buddhist Studies	(01.01.2010)
Professor S.K. Pathak	Buddhist Studies	(01.01.2010)
Dr. Helen Susanna Lambert	Sociology	(01.02.2010)
Professor Jayanta Mahapatra	English	(05.03.2010)
Dr. Kay Souter	English	(20.03.2010)
Dr. Nandana Dutta	English	(21.03.2010)
Dr. Mohd. Aslam	English	(02.03.2010)
Mr. Susanne Ellen Brandtstadter	Sociology	(08.03.2010)
Dr. Sukanta Majumdar	English	(26.03.2010)
Dr. S. Akbar Zaidi	Sociology	(08.03.2010)
Professor Angraj Choudhary	Buddhist Studies	(01.01.2010)

### ***Visiting Lecturers***

Ms. Susana Margarida Goncalves de Carvalho Sousa	G.R.S.	(28.07.2009)
Gema Sanchez Benitez	G.R.S.	(24.08.2009)
Mr. Ovidiu Lyancu	G.R.S.	(14.10.2009)

## **NON-TEACHING STAFF**

### ***Obituaries***

<i>Name</i>	<i>Designation</i>	<i>Date of Expiry</i>
Shri Inderjeet Arora	Technical Officer	(25.04.2009)
Shri Om Dutt Tyagi	Sr. Technical Assistant	(30.01.2010)
Shri Jugal Kishore	Sewerman	(23.04.2009)
Shri Rajesh Kumar	Sewerman	(03.06.2009)
Shri Braham Singh	Sewerman	(03.06.2009)
Shri Mohan Lal	Mali	(05.07.2009)
Shri Jai Singh	Safai Karamchari	(05.01.2010)
Shri Suresh Kumar	Safai Karamchari	(15.03.2010)
Shri Krishan Kumar	Safai Karamchari	(16.03.2010)
Shri Jai Pal Singh	Daftry	(24.10.2009)
Shri Jagminder Singh	Daftry	(30.09.2009)
Shri Narender Kumar	Farash	(30.01.2010)

### **Appointments**

<i>Name</i>	<i>Designation</i>	<i>Date of Joining</i>
Shri Arvind	Assistant Registrar	(01.04.2009)
Shri Bhuwan Kr. Jha	Assistant Registrar	(01.04.2009)
Shri Sharad Kumar Sant	Assistant Registrar	(01.04.2009)
Shri Sunil Kumar	Assistant Registrar	(01.04.2009)
Shri Sandeep Bajaj	Junior Assistant	(01.04.2009)
Shri Umesh	Junior Assistant	(01.04.2009)
Ms. Anchal Gulati	Junior Assistant	(01.04.2009)
Ms. Deepa Rajgopal (Nee M Christy Stephen)	Junior Assistant	(01.04.2009)
Ms. Indira Kumari	Junior Assistant	(01.04.2009)
Ms. Sangeeta Chhibar	Junior Assistant	(01.04.2009)
Dr. A.K. Gupta	Director	(23.10.2009)

### **Extension of Service**

<i>Name</i>	<i>Designation</i>	<i>Date</i>
Shri D.K. Kandpal	Assistant Consultant	(01.04.2009)
Shri K.C. Rustagi	Assistant Consultant	(01.04.2009)
Shri L.R. Malhotra	Assistant Consultant	(01.04.2009)
Shri P.K. Sethi	Assistant Consultant	(01.04.2009)
Shri Ram Phal Singh	Assistant Consultant	(01.04.2009)
Shri S.K. Chugh	Assistant Consultant	(01.04.2009)
Mrs. Sudesh Rani Jairath	Ex-Section Officer	(01.04.2009)
Shri D.C. Goyal	Ex-Section Officer	(01.04.2009)
Shri Krishan Lal	Ex-Section Officer	(01.04.2009)
Shri R.K. Seth	Ex-Section Officer	(01.04.2009)
Shri Ram Kumar	Ex-Section Officer	(01.04.2009)
Shri Surinder Pal	Ex-Section Officer	(01.04.2009)
Shri V.K. Sehgal	Ex-Section Officer	(01.04.2009)
Shri Zile Ram Verma	Ex-Section Officer	(01.04.2009)
Shri Chinta Mani Paliwal	Ex-Senior Assistant	(01.04.2009)
Shri Gopal Krishan	Ex-Senior Assistant	(01.04.2009)
Shri K.K. Sharma	Ex-Senior Assistant	(01.04.2009)
Shri Ram Phal Saroha	Ex-Senior Assistant	(01.04.2009)
Shri S. Venkateswara Sharma	Ex-Senior Assistant	(01.04.2009)

### **Study Leave**

Shri Prem Singh	Junior Engineer (Civil)	(w.e.f. 30.07.2009)
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## **Retirement**

<i>Name</i>	<i>Designation</i>	<i>Date of Retirement</i>
Ms. Ratna Kumari	Senior Assistant	Taken Voluntary Retirement
Shri Suraj Bhan	Assistant	Taken Voluntary Retirement
Shri Man Bahadur	Assistant	Retired on Medical Grounds
Shri Harcharan Singh Lamba	Section Officer	(30.04.2009)
Shri Suresh Chander Yadav	Section Officer	(30.04.2009)
Shri Lekh Raj	Section Officer	(30.04.2009)
Shri Munshi Ram Kapoor	Assistant Registrar	(30.04.2009)
Shri Chander Prabha Juneja	Section Officer	(31.05.2009)
Shri Roop Lal	Senior Assistant	(31.05.2009)
Shri Venkiteswara Sarma S.	Senior Assistant	(31.05.2009)
Shri Sharwan Kumar Soni	Section Officer	(30.06.2009)
Shri Raj Kumar Seth	Section Officer	(30.06.2009)
Shri Sada Ram	Senior Assistant	(30.06.2009)
Shri Surender Pal Singh Lamba	Section Officer	(30.06.2009)
Shri Sudesh Rani Jairath	Section Officer	(31.07.2009)
Shri Onkar Singh Verma	Senior Assistant	(31.07.2009)
Shri Nawal Kishore Mishra	Assistant	(31.07.2009)
Shri P.K. Mahjan	Section Officer	(31.07.2009)
Shri Mahinder Singh	Assistant Registrar	(31.07.2009)
Praveen Jain (W)	Section Officer	(31.07.2009)
Shri Chhida Ram	Senior Assistant	(31.07.2009)
Ratna Kumari	Senior Assistant (VRS)	(31.07.2009)
Shri Ramesh Chandra	Assistant	(31.07.2009)
Dr. J.S. Naruka	Director	(31.07.2009)
Shri Ram Naresh	Senior Assistant	(31.08.2009)
Shri V.K. Sehgal	Finance	(31.08.2009)
Darshan Kumari (W)	Section Officer	(31.08.2009)
Shri Harminder Singh	Deputy Registrar	(31.09.2009)
Shri Hector John	Section Officer	(31.09.2009)
Shri Yatinder Dutt	Senior Assistant	(30.09.2009)
Shri K.K. Sharma	Senior Assistant	(30.09.2009)
Shri Suraj Bhan	Assistant (VRS)	(30.09.2009)
Shri D.C. Goel	Section Officer	(31.10.2009)
Shri Krishan Lal	Section Officer	(31.10.2009)
Shri B.K. Chawla	Senior Assistant	(31.10.2009)
Shri Gopal Krishan	Senior Assistant	(31.10.2009)
Chandra Ajbani (W)	Section Officer	(30.11.2009)
Madhu Mahajan (W)	Senior Assistant	(30.11.2009)
Shri Zile Ram Verma	Section Officer	(30.11.2009)

Shri B.D. Koliyal	Section Officer	(30.11.2009)
Shri Gian Prakash	Senior Assistant	(30.11.2009)
Shri L.D. Bansal	Section Officer	(30.11.2009)
Rajesh Malhotra (W)	Senior Assistant	(31.12.2009)
Shri L.R. Malhotra	Assistant Registrar	(31.12.2009)
Shri Charan Singh	Senior Assistant	(31.12.2009)
Shri P.K. Sethi	Assistant Registrar	(31.12.2009)
Shri Ram Phal Singh	Section Officer	(31.12.2009)
Sushma Rani Arora	Assistant	(31.12.2009)
Shri Sardar Singh	Section Officer	(31.01.2010)
Shri Radha Krishan	Section Officer	(31.01.2010)
Shri Surinder Pal	Section Officer	(31.01.2010)
Shri Man Bahdhur	Assistant	(09.02.2010)
Madhu Bala Kundra	Senior Assistant	(31.01.2010)
Shri J.K. Gupta	Section Officer	(28.02.2010)
Shri R.K. Srivastava	Section Officer	(31.03.2010)
Shri V.S. Bhandari	Section Officer	(31.03.2010)
Shri Gopalakrishanan	Senior Assistant	(31.03.2010)
Shri Jawahar Lal	Section Officer	(31.03.2010)
Shri Surjeet Singh	Section Officer	(31.03.2010)
Shri V.K. Gulati	Assistant Registrar	(31.03.2010)
Shri Om Prakash	Safai Karamchari	(30.06.2009)
Smt. Shakuntla Devi Narula	Office Attendant	(30.06.2009)
Shri Dharam Singh	Security Guard	(31.07.2009)
Shri Roshan Lal	Gestetner Operator	(30.11.2009)
Shri Gopal Singh	Safai Karamchari	(31.01.2010)
Shri Partap Singh	Safai Karamchari	(31.01.2010)
Shri Jit Bahadur Mal	Havildar	(31.01.2010)
Shri Balbir Singh Rathee	Security Guard	(31.01.2010)
Shri S.P. Mahto	Machine Operator	(28.02.2010)
Shri Attar Singh	Daftry	(28.02.2010)
Shri Jail Pal	Daftry	(28.02.2010)
Smt. Kamla	Safai Karamchari	(28.02.2010)
Shri Sheo Pujan Sah	Machine Operator	(28.02.2010.)
Smt. Mohini	Farash	(31.03.2010)
Shri Inderjeet Singh	Dispatch Rider	(31.03.2010)
Shri Jai Pal Mann	Security Guard	(21.04.2009)
Shri Shyam Lal	Safai Karamchari	(18.05.2009)

## **Retirement**

<i>Name</i>	<i>Department</i>	<i>Date of Retirement</i>
Shri Kali Charan	USIC	(30.04.2009)
Shri Chattar Singh	Engineering	(31.05.2009)
Shri Puran Chand	Botany	(31.07.2009)
Dr. P.K. Verma	Health Centre	(30.11.2009)
Mrs. Mohinder Kaur	Computer Centre	(31.01.2010)
Mohd. Quasim	Chemistry	(31.01.2010)
Shri Soney Lal	Garden Committee	(31.01.2010)
Dr. (Mrs.) Suman Lata Kapoor	Health Centre	(31.01.2010)
Mrs. Shanti Devi	Garden Committee	(31.01.2010)
Shri Pawan Kr. Singh	Zoology	(28.02.2010)
Shri Baljore	Sociology	(31.03.2010)
Shri Balbir Singh	Garden Committee	(31.03.2010)

## **MEMBERS OF THE FACULTIES**

### **ARTS**

#### **Statute 9(3) (i)**

##### **Dean**

Professor M.M. Agrawal

#### **Statute 9(3) (ii)**

##### **Heads of the Departments**

Dr. Wali Akhtar	Arabic
Professor Sumanyu Satpathy	English
Professor Sudhish Pachauri	Hindi
Dr. Manjit Singh Lamba	Punjabi
Professor K.T.S. Sarao	Buddhist Studies
Professor (Ms.) Vibha Maurya	Germanic & Romance Studies
Dr. R.K. Bhatt	Library & Information Sciences
Professor H.S. Prasad	Philosophy
Professor M.M. Aggarwal	Sanskrit
Professor Rehana Khatoon	Persian
Professor P.C. Pattnaik	MIL & LS
Professor Anand Prakash	Psychology
Dr. Syed Ali Karim	Urdu
Professor R.K. Agnihotri	Linguistics

**Statute 9(3) (iii)*****All Professors of the Departments***

Professor S. Chakraborti	English
Professor Alok Rai	English
Professor Sumanyu Satpathy	English
Professor Malashri Lal	English
Professor Harish Trivedi	English
Professor Rajiv Verma	English
Professor Dipti S. Tripathi	Sanskrit
Professor A. Mariappan	MIL & Literary Studies
Professor R.K. Agnihotri	Linguistics
Professor R.C. Sharma	Linguistics
Professor Tista Bagchi	Linguistics
Professor Ramesh Gautam	Hindi
Professor Ajay Tiwari	Hindi
Professor Gopeshwar Singh	Hindi
Professor Hari Mohan Sharma	Hindi
Professor S.P. Singh	Library & Information Science
Professor (Ms.) Shashwati Mazumdar	Germanic & Romance Studies
Professor N.K. Chadha	Psychology
Professor Ashok Nagpal	Psychology
Professor (Mrs.) Gopa Bhardwaj	Psychology
Professor G. Mishra	Psychology
Professor (Ms.) Vibha Chaturvedi	Philosophy
Professor G.L. Pandit	Philosophy
Professor N. Mukherjee	Philosophy
Professor S.B.F. Husaini	Persian
Professor Rehana Khatoon	Persian

**Statute 9(3)(iv)*****One Reader and one Lecturer by Rotation according to Seniority***

Dr. Naimul Hasan	Lecturer	Arabic
Dr. Rajinder Kumar	Lecturer	Persian
Dr. (Ms.) Maneesha	Lecturer	Germanic & Romance Studies
Dr. Hirapaul Gangnegi	Lecturer	Buddhist Studies
Dr. Aleem Ashraf Khan	Reader	Persian
Dr. (Ms.) Gail Coelho	Reader	Linguistics
Dr. A.A. Khan	Reader	Persian
Dr. M.S. Joshi	Reader	Lib. & Inf. Sc.
Dr. Shashi Motilal	Reader	Philosophy
Dr. Rajender Kumar	Lecturer	Persian
Dr. Gautam Chakravarty	Reader	English



Dr. Paramjeet Kanswalia	Reader	Lib. & Inf. Sc.
Dr. G. Rajagopal	Reader	MIL & Literary Studies
Dr. Mukesh Garg	Reader	Hindi
Dr. Kulvir Gojra	Lecturer	Punjabi
Dr. Mukta Mani Jain	Lecturer	Hindi
Dr. Anuradha Veeravali	Lecturer	Philosophy
Ms. Mamta	Lecturer	Linguistics
Mr. Eric Soreng	Lecturer	Psychology
Dr. Md. Kazim	Lecture	Urdu
Dr. Tauqeer Ahmed Khan	Reader	Urdu
Dr. (Ms.) Ira Raja	Lecturer	English
Shri T.S. Satyanath	Lecturer	MIL & Literary Studies
Dr. Mithlesh Chaturvedi	Reader	Sanskrit
Dr. Indira Narain Singh	Lecturer	Buddhist Studies
Dr. Satyamurti	Lecturer	Sanskrit
Dr. G. Rajagopal	Reader	MIL & Literary Studies
Dr. Honey Oberoi Vahali	Reader	Psychology

**Statute 9(3) (v)**

***One Teacher from each College by Rotation according to Seniority***

Dr. (Ms.) Nirmal Kumar	Bharti College
Dr. E. Banerjee	Hansraj College
Ms. R. Debabrata	Miranda House
Dr. S. Pandey	Moti Lal Nehru College
Dr. (Ms.) A. Bhale	Delhi College of Arts & Commerce
Dr. Jayini Adhayapak	Deen Dayal Upadhyaya College
Ms. S.K. Mutatkar	Gargi College
Ms. Rewa Nanda	Maitreyi College
Dr. Kusum Gupta	Kalindi College
Dr. (Ms.) Asha Kohli	Kamala Nehru College
Sh. V.K. Khurana	Swami Shraddhanand College
Ms. Surya Kanta Jain	Gargi College
Dr. V.S. Vidyarathi	Ram Lal Anand College
Ms. Tripta	Aditi Mahavidyalaya
Shri S.K. Chawla	Shri Ram College of Commerce
Shri S.D. Siddiqui	Shri Aurobindo College
Dr. Mahesh Kumar	Kirori Mal College
Dr. S. Radha	C-209 (GF), Golf view Apartment Saket
Ms. Suneel Prakash	Laxmibai College
Ms. Sangeeta Mittal	Maharaja Agrasen College
Ms. Sukhjit Kaur	Mata Sundri College
Dr. (Ms.) Lalita Subbu	Hindu College
Mrs. Indrain Sen	Sri Venkateswara College

Dr. (Ms.) Vinod Aggarwal	Vivekanand College
Ms. Babli Gupta	Zakir Husain College
Dr. A.D. Mathur	St. Stephen's College
Dr. Kalpana Gupta	Dyal Singh College
Shri Novy Kapadia	SGTB Khalsa College
Dr. Geeta Rani Sharma	Bhagini Nevidita College
Dr. Manujula Mohan	School of Open Learning
Dr. B.S. Sharma	Satyawati College
Shri Anil Bhatt	Rajdhani College
Dr. Devinder Kaur	Sri Guru Nanak Dev Khalasa College
Dr. B.P. Sharma	College of Vocational Studies
Dr. (Ms.) Shanta Pradhan	Satyawati College
Dr. (Ms.) Saroj Diksha	S.P.M. College for Women
Ms. Jayshree Chaudhary	College of Vocational Studies
Dr. (Ms.) Prem Singh	Flat No.4, Sharma Apartments, Dwarka
Dr. (Ms.) V.M. Arora	Indraprastha College for Women
Ms. Manjula Sholapurkar	Atma Ram Sanatan Dharma College
Dr. R.K. Jain	Shaheed Bhagat Singh College
Dr. Dimpny Mahanta	Keshav Mahavidyalaya
Dr. (Ms.) Rajni	B.R. Ambedkar College
Dr. R. Malhotra	Jesus & Mary College
Shri Kanwar Pal Singh	Library & Information Science
Ms. Sneh Gupta	Sham Lal College (Eve.)
Mr. Vinay Vikash	Indira Gandhi Instt. of Physical Ed. & Sports Scs.
Ms. Uma Alagh	Daulat Ram College
Mr. S. Chandrasekhar	Sri Venkateswara College
Dr. Harnake Singh Gill	Sri Guru Nanak Dev College
Shri S.R. Oberoi	Rajdhani College
Shri Swadesh Sharma	P.G.D.A.V. College
Dr. Geeta Sachdeva	Satyawati College

**Statute 9(3) (vi)**

***Co-opted Members***

Professor Kedar Nath Singh (Retd.), Jawahar Lal Nehru University, New Delhi.

Ms. Amal Allana (NSD), New Delhi.

Professor Satyapal Gautam, Vice-Chancellor, Mahatama Jyotiba Phule Rohilkhand University.

Professor Arunva Sen, Indian Statistical Institute of S.J.S., Sansanwal Marg, New Delhi.

Professor Narayan Gupta, Department of History, Jamia Millia Islamia University, Okhla, New Delhi.

Professor Survinirit Mehta, Panjab University, Chandigarh.

Professor Anil Bhatti, Jawahar Lal Nehru University, New Delhi.  
Professor Sudhir Kakkar  
Professor Amrit Srinivasan, Indian Institute of Technology, Hauz Khas, New Delhi  
Professor D.L. Sheth, C.S.D.S., 29, Rajpur Road, Delhi

**Statute 9(3) (vii)**

***Nominated by the Academic Council***

Professor Namwar Singh	32, Shivalik Apartments, Alakhnanda, New Delhi.
Mr. Grisih Karnad	697, 15 <sup>th</sup> Cross Road, J.P. Nagar, Phase-II, Bangalore-560078.
Mrs. Vibha Parthasarathy	B-260, Greater Kailash-1, New Delhi-110048.
Professor Manager Pandey (Retd.)	BD/8A, DDA Flats, Munirka, Delhi-110067.
Professor Feroz Ahmed	D-109, Shanti Nagar, Opp. NBC Road, Jaipur, Rajasthan.
Professor Partha Chatterjee	Centre for Studies in Social Sciences, R-I, Baishnabghata, Pantil Township, Kolkata-700094.
Professor Ashish Nandy	Honorary Fellow, CSDS, 29 Rajpur Road, Delhi-110054.
Professor Kapil Kapoor (Retd.)	B-2/332, Ekta Garden, 9-I.P. Extension, Near Mather Dairy, Delhi – 110092.
Professor Anil Raina	Department of English & Cultural Std. Punjab University Chandigarh.
Professor R.C. Tripathi	37/2, Chatham Lines, Allahbad – 211002.

**SCIENCE**

**Statute 9(3) (i)**

***Dean***

Professor Rup Lal

**Statute 9(3) (ii)**

***Heads of Departments***

Professor D.S. Kulshrestha	Physics & Astrophysics
Professor V.S. Parmar	Chemistry
Professor I. Usha Rao	Botany
Professor P.K. Ghosh	Anthropology
Professor A.M. Bhola	Geology (upto 10.08.2009)
Professor V.N. Bajpai	(w.e.f. 11.08.2009)
Professor P. Pardha Saradhi	Environmental Biology

Dr. (Mrs.) Kumud Khanna  
Professor B.P. Srinivasan  
Professor S.S. Agarwal

Home Science  
Pharmacy

(upto 06.06.2009)

**Statute 9(3) (iii)**

***Professors other than Head of the Departments***

**Physics & Astrophysics**

Professor M.P. Srivastava  
Professor R.P. Tandon  
Professor B.C. Choudhary  
Professor Avinash Khare  
Professor S. Mahajan  
Professor K. Sreenivas  
Professor Vinay Gupta

Professor A. Mukherjee  
Professor Sanjay Jain  
Professor Debejyoti Choudhary  
Professor P. Das Gupta  
Professor S. Annapoorni  
Professor H.P. Singh

**Chemistry**

Professor N.K. Kaushik  
Professor S.M.S. Chauhan  
Professor Pavan Mathur  
Professor S.C. Jain  
Professor Monika Dutta  
Professor J.M. Khurana  
Professor R.K. Sharma  
Professor Rama Kant

Professor A.K. Parsad  
Professor Gurmeet Singh  
Professor A.K. Bakshi  
Professor R.C. Rastogi  
Professor Rita Kakkar  
Professor M. Kidwai  
Professor Shrikant Kukreti

**Botany**

Professor S.K. Sawhney  
Professor V.P. Singh  
Professor A.K. Pandey  
Professor A.K. Bhatnagar  
Professor R. Geeta

Professor S.C. Bhatla  
Professor K.S. Rao  
Professor Amar Kumar  
Professor S.B. Babbar

**Zoology**

Professor K. Murlidhar  
Professor A.K. Singh  
Professor Umesh Rao  
Professor Neeta Sehgal

Professor V.K. Bhasin  
Professor Madan Mohan Chaturvedi  
Professor Rina Chakrabarti  
Professor Vinod Kumar

**Anthropology**

Professor Surinder Nath  
Professor S.L. Malik  
Professor P.C. Joshi  
Professor Subhadra Channa

Professor A.K. Kapoor  
Professor V.K. Srivastava  
Professor (Mrs.) S. Kapoor  
Professor M.P. Sachdeva

## **Geology**

Professor S.K. Tandon  
Professor Talat Ahmad  
Professor A.M. Bhola

Professor J.P. Shrivastava  
Professor C.S. Dubey

## **Pharmacy**

Professor B.P. Srinivasan

### **Statute 9(3) (iv)**

#### ***One Reader and one Lecturer by Rotation according to the Seniority from each Department***

Dr. Dinabandhu Sahoo	Lecturer	Botany	
Dr. Somendra Singh	Lecturer	Physics & Astrophysics	
Dr. Dalip Kumar Singh	Reader	Zoology	(w.e.f. 24.03.2009)
Dr. Anupam Chattopadhyay	Reader	Geology	
Dr. Binay Kumar	Reader	Physics & Astrophysics	(upto 24.03.2009)
Dr. Ashok Kumar Prasad	Reader	Chemistry	
Dr. G.K. Kshatriya	Reader	Anthropology	
Dr. (Mrs.) K.N. Saraswathy	Lecturer	Anthropology	
Dr. K. Tharanikkarasu	Lecturer	Chemistry	
Ms. Nemika Relhan	Lecturer	Environmental Biology	

### **Statute 9(3) (v)**

#### ***One Teacher concerned by Rotation according to Seniority from each College***

Dr. A.K. Verma	Swami Sharddhanand College	
Ms. Jagneet Kaur Anand	Keshav Mahavidhyalaya	(w.e.f. 16.09.2009)
Dr. V. Chandrasekhara Rao	Sri Venkateswara College	(w.e.f. 08.08.2009)
Dr. Sarita Kumar	Acharya Narendra Dev College	(w.e.f. 08.08.2009)
Dr. A. Sehgal	Miranda House	(w.e.f. 08.08.2009)
Ms. Sharda Gupta	Institute of Home Economics	(w.e.f. 29.03.2010)
Dr. (Mrs.) Komal Kamra	S.G.T.B. Khalsa College	(w.e.f. 14.02.2010)
Dr. V.K. Gautam	Deen Dyal Upadhyaya College	(w.e.f. 29.03.2010)
Shri B.M. Anand	Shyam Lal College	(w.e.f. 25.06.2009)
Dr. (Ms.) Rekha Malhotra	Shaheed Rajguru College of Applied Sciences	
Dr. (Mrs.) Indira Mohini Tuli	Zakir Hussain College	
Mr. Suraj Prakash	Dyal Singh College	
Dr. (Ms.) Nita Aeron	MCN	
Dr. (Ms.) Sadhna Pandey	Maitreyi College	(w.e.f. 29.03.2010)

Parminder Sehgal	Bhagini Nivedita College	(w.e.f. 29.03.2010)
Dr. N.K. Gautam	Rajdhani College	
Dr. Anjana Nanchahal	Kalindi College	
Dr. Yogendra Kumar	Sri Aurobindo College	
Ms. Sarita Sobti	Shyama Prasad Mukherji College for Women	
Ms. Preeti Goel	School of Open Learning	
Dr. V.K. Mehta	Shivaji College	
Dr. M.C. Jain	Hindu College	
Ms. Lalita Chadha	Daulat Ram College	
Dr. P. Dabas	Gargi College	
Dr. Santosh Mehta	R.A.K. College of Nursing	
Dr. Rashmi Sachdeva	St. Stephen's College	
Dr. Rajesh Mohan	Atma Ram Sanatan Dharma College	
Dr. (Mrs.) Sarita Kumar	Acharya Narendra Dev College	

**Statute 9(3) (vi)**

***Co-opted Members***

Professor S.S. Mehndi	Department of Physics, Jamia Millia Islamia University, New Delhi.
Professor Ajay Kumar Singh	Department of Chemistry, IIT, Hauz Khas, New Delhi. Professor Padma Vasudevan House No.5, II-V Quarters, New Campus, IIT, Hauz Khas, New Delhi.

**Statute 9(3) (vii)**

***Nominated by Academic Council***

Professor S.P. Singh	Department of Human Biology. Punjabi University, Patiala.
Professor S.K. Singh, Ex. Head	Department of Physics and Dean, Faculty of Science, Aligarh Muslim University, Aligarh.
Professor K.R. Gupta	Former Advisor, Department of Science & Technology, H-44 B, Saket, New Delhi.
Professor H.M. Chawla	Department of Chemistry, IIT Delhi, Hauz Khas, New Delhi.
Professor Arif Ali	Department of Bio-Sciences, Jamia Millia Islamia, New Delhi.

## LAW

### **Statute 9(3) (i)**

#### ***Dean***

Professor S.N. Singh

### **Statute 9(3) (iii)**

#### ***Professors other than Head of the Department***

Professor Veena Bakshi	-	Law Centre-I
Professor Gurdip Singh	-	Law Centre-II
Professor Rajiv Khanna	-	Campus Law Centre
Professor Ashwani Kumar Bansal	-	Law Centre-I
Professor Usha Razdan	-	Law Centre-I
Professor S.C. Raina	-	Raina Campus Law Centre
Professor J.L. Kaul	-	Campus Law Centre
Professor Ved Kumari	-	Law Centre-I
Professor Poonam Saxena	-	Law Centre-II
Dr. B.T. Kaul	-	Law Centre-II
Shri O.P. Sharma	-	Law Centre-II
Hon'ble Justice A.K. Sikri	-	Hon'ble Justice High Court
Professor V.K. Gupta	-	Jamia Milia Islamia
Professor L.R. Singh	-	A.C. Nominee
Professor S.K. Bhatnagar	-	A.C. Nominee

### **Statute 9(3) (iv)**

#### ***One Reader and One Lecturer by seniority and rotation***

Dr. B.T. Kaul

Shri O.P. Sharma

### **Statute 9(3) (vii)**

#### ***Nominated by the Academic Council***

Hon'ble Mr. Justice Arjun Sikri, Judge, High Court of Delhi, New Delhi.

Professor K.N. Chandra Sekhar Pillai, Director, Indian Law Institute, Bhagwan Dass Road, New Delhi.

Professor S.S. Singh, Director, National Law Institute University, Bhopal.

Professor V.K. Gupta, Dean, Faculty of Law, Jamia Millia Islamia University, New Delhi.

Professor S.K. Bhatnagar, Dean, Faculty of Law, Dr. B.R. Ambedkar University, Lucknow.

## MEDICAL SCIENCES

### Statute 9(3) (i)

#### *Dean*

Professor Kiran Mishra

### Statute 9 (3) (ii)

#### *Heads of the Departments*

### Statute 9 (3) (iii)

#### *All Professors of the Departments*

#### *Anaesthesiology*

Professor Usha Shah	Lady Hardinge Medical College
Professor Ashok Kumar Sethi	University College of Medical Sciences
Professor Ajay Kumar Jain	University College of Medical Sciences
Professor Ashok Kumar	University College of Medical Sciences
Professor Rakesh Kumar	Maulana Azad Medical College
Professor Raktima Anand	Maulana Azad Medical College
Professor Aruna Jain	Lady Hardinge Medical College
Professor (Mrs.) Poonam Bhadaria	Maulana Azad Medical College
Professor Ajay Kumar	Lady Hardinge Medical College
Professor Sharmila Ahuja	University College of Medical Sciences

#### *Anatomy*

Professor J.M. Kaul	Maulana Azad Medical College
Professor Kamlesh Khatri	University College of Medical Sciences
Professor Jugesh Khanna	University College of Medical Sciences
Professor M. Nagar	University College of Medical Sciences
Professor Veena Bharioke	University College of Medical Sciences
Professor Shashi Raheja	Lady Hardinge Medical College
Professor Shipra Paul	Lady Hardinge Medical College

#### *Bio-Chemistry*

Professor Suman Bala Sharma	University College of Medical Sciences
Professor H.G. Raj	V.P. Chest Institute
Professor B.D. Banerjee	University College of Medical Sciences
Professor J.K. Gambhir	University College of Medical Sciences
Professor Dinesh Puri	University College of Medical Sciences
Professor Sarita Agarwal	Maulana Azad Medical College
Professor S.K. Bansal	V.P. Chest Institute
Professor Remi Shukla	University College of Medical Sciences
Professor A.K. Tripathi	University College of Medical Sciences



### ***Community Medicine***

Professor Suneela Garg  
Professor Vimal Kishore Gupta  
Professor Sanjay Chaturvedi  
Professor S.K. Bhasin  
Professor G.K. Ingle  
Professor A.T. Kannan  
Professor A. Indrayan  
Professor Vibha  
Professor S. Nagesh  
Professor Pragati Chhabra  
Professor A.K. Sharma  
Professor Kamal Aggarwal

Maulana Azad Medical College  
Maulana Azad Medical College  
University College of Medical Sciences  
University College of Medical Sciences  
Maulana Azad Medical College  
University College of Medical Sciences  
University College of Medical Sciences  
University College of Medical Sciences  
Lady Hardinge Medical College  
Lady Hardinge Medical College  
University College of Medical Sciences  
University College of Medical Sciences  
University College of Medical Sciences

### ***Dermatology & V.D.***

Professor Vijay Kumar  
Professor Archana Singal

Maulana Azad Medical College  
University College of Medical Sciences

### ***Forensic Medicine***

Professor N.K. Aggarwal  
Professor K.K. Banerjee  
Professor G.K. Sharma  
Professor S.K. Verma  
Professor A.K. Tyagi  
Professor Atul Murari

University College of Medical Sciences  
University College of Medical Sciences  
Lady Hardinge Medical College  
University College of Medical Sciences  
University College of Medical Sciences  
Lady Hardinge Medical College

### ***Medicine***

Professor M.P. Agarwal  
Professor S.V. Madhu  
Professor Rajneesh Avasthi  
Professor O.P. Kalra  
Professor S. Dwivedi  
Professor M.K. Bhatanagar  
Professor Sachin Kumar Jain  
Professor S.K. Sharma  
Professor Naresh Kumar Gupta  
Professor Sunil Aggarwal

University College of Medical Sciences  
University College of Medical Sciences  
University College of Medical Sciences  
University College of Medical Sciences  
University College of Medical Sciences  
Lady Hardinge Medical College  
Lady Hardinge Medical College  
Lady Hardinge Medical College  
Lady Hardinge Medical College  
Maulana Azad Medical College  
University College of Medical Sciences

### ***Surgery***

Professor Amit Banerjee  
Professor B.K. Jain  
Professor Sunil Kumar

G.B. Pant Hospital  
University College of Medical Sciences  
University College of Medical Sciences

Professor Sanjay Gupta	University College of Medical Sciences
Professor Arun Gupta	University College of Medical Sciences
Professor P.N. Aggarwal	Maulana Azad Medical College
Professor M.P. Arora	Lady Harding Medical College
Professor Ajay Kumar	Lady Hardinge Medical College
Professor Om Prakash Pathania	Lady Hardinge Medical College
Professor N.S. Hadke	Maulana Azad Medical College
Professor Vivek Agrawal	University College of Medical Sciences
Professor Iqbal Singh	University College of Medical Sciences
Professor Anil Kumar Sarda	Maulana Azad Medical College
Professor R.K. Jindal	Maulana Azad Medical College
Professor V.K. Ramteke	Maulana Azad Medical College
Professor Navneet Kaur	University College of Medical Sciences

### ***Microbiology***

Professor Renu Dutta	Lady Hardinge Medical College
Professor V.G. Ramachandran	University College of Medical Sciences
Professor I.R. Kaur	University College of Medical Sciences
Professor Ashwani Kumar	University College of Medical Sciences
Professor S.S. Thukral	V.P. Chest Institute
Professor Anita Chakravarti	Maulana Azad Medical College
Professor Beena Uppal	Maulana Azad Medical College
Professor C.P. Baveja	Maulana Azad Medical College
Professor N.P. Singh	University College of Medical Sciences
Professor Preena Bhalla	Maulana Azad Medical College
Professor M. Bose	V.P. Chest Institute
Professor Shukla Das	University College of Medical Sciences

### ***Obstetrics & Gynaecology***

Professor Usha Manaktala	Maulana Azad Medical College
Professor Amita Suneja	University College of Medical Sciences
Professor Neelam Bala Vaid	University College of Medical Sciences
Professor Rewa Tripathi	Maulana Azad Medical College
Professor Shubha Sagar Trivedi	Lady Hardinge Medical College
Professor Neerja Goel	University College of Medical Sciences
Professor Sudha Prasad	Maulana Azad Medical College
Professor Raksha Arora	Maulana Azad Medical College
Professor Swaraj Batra	Maulana Azad Medical College
Professor Usha Gupta	Lady Hardinge Medical College
Professor Kiran Guleria	University of College of Medical Sciences

### ***Ophthalmology***

Professor B. Ghosh	Maulana Azad Medical College
Professor V.P. Gupta	University College of Medical Sciences
Professor (Ms.) Pamela D Suza	Lady Hardinge Medical College
Professor Jolly Rohtagi	University College of Medical Sciences
Professor Upreet Dhaliwal	University College of Medical Sciences

### ***Orthopaedics***

Professor Anil Kumar Dhall	Maulana Azad Medical College
Professor Sudhir Kumar	University College of Medical Sciences
Professor V.K. Gautam	Maulana Azad Medical College
Professor Ajay Kumar Gupta	Maulana Azad Medical College
Professor Shobha Arora	University College of Medical Sciences
Professor A.K. Jain	University College of Medical Sciences

### ***Otolaryngology***

Professor J.K. Sahni	Lady Hardinge Medical College
Professor Arun Kumar Aggarwal	Maulana Azad Medical College
Professor T.S. Anand	Lady Hardinge Medical College
Professor N.N. Mathur	Lady Hardinge Medical College
Professor Laxmi Vaid	University College of Medical Sciences
Professor Anoop Raj	Maulana Azad Medical College
Professor P.P. Singh	University College of Medical Sciences

### ***Paediatrics***

Professor Piyush Gupta	University College of Medical Sciences
Professor Satinder Aneja	Lady Hardinge Medical College
Professor M.M.A. Faridi	University College of Medical Sciences
Professor Sunil Gomber	University College of Medical Sciences
Professor Anand Prakash	Maulana Azad Medical College
Professor N.B. Mathur	Maulana Azad Medical College
Professor Sangita Yadav	Maulana Azad Medical College
Professor Jagdish Chandra	Lady Hardinge Medical College
Professor Arvind Saili	Lady Hardinge Medical College
Professor A.K. Dutta	Lady Hardinge Medical College
Professor Bimbadhar Rath	Lady Hardinge Medical College

### ***Pathology***

Professor Tejinder Singh	Maulana Azad Medical College
Professor Meera Sikka	University College of Medical Sciences
Professor Satendra Sharma	University College of Medical Sciences

Professor Usha Rani Singh	University College of Medical Sciences
Professor V.K. Arora	University College of Medical Sciences
Professor Navjeevan Singh	University College of Medical Sciences
Professor Sarla Aggarwal	University College of Medical Sciences
Professor Usha Rusia	University College of Medical Sciences
Professor (Ms.) Arti Bhatia Chhako	University College of Medical Sciences
Professor (Ms.) Kiran Mishra	University College of Medical Sciences
Professor Medha Tatke	G.B. Pant Hospital
Professor Geeta Dev	University College of Medical Sciences
Professor M. Chaudhary	Lady Hardinge Medical College

### ***Pharmacology***

Professor S.K. Bhattacharya	University College of Medical Sciences
Professor A. Ray	V.P. Chest Institute
Professor Pramod Kumari	University College of Medical Sciences
Professor Navesh Khanna	University College of Medical Sciences
Professor K.K. Sharma	University College of Medical Sciences
Professor Uma Tekur	Maulana Azad Medical College

### ***Physiology***

Professor Savita Singh	University College of Medical Sciences
Professor K. Ravi	V.P. Chest Institute
Professor Rashmi Babbar	Maulana Azad Medical College
Professor Ajay Kumar Jain	Maulana Azad Medical College
Professor Asha Gandhi	Lady Harding Medical College
Professor Neelima Shankar	University College of Medical Sciences
Professor V.P. Varshney	Maulana Azad Medical College
Professor S.S. Sircar	University College of Medical Sciences
Professor Neelam Vanay	University College of Medical Sciences

### ***Psychiatry***

Professor R.C. Jiloha	Maulana Azad Medical College
Professor M.S. Bhatia	University College of Medical Sciences

### ***Pulmonary Medicine***

Professor S.N. Gaur	V.P. Chest Institute
Professor Ashok Shah	V.P. Chest Institute
Professor S.K. Chhabra	V.P. Chest Institute
Professor Raj Kumar	V.P. Chest Institute

### ***Radiology***

Professor J.D. Baruah	Lady Hardinge Medical College
Professor S.K. Bhargava	University College of Medical Sciences
Professor Rama Anand	Lady Hardinge Medical College
Professor Anil Kumar Bahadur	Maulana Azad Medical College
Professor M.K. Narula	Lady Hardinge Medical College
Professor Gopesh Mehrotra	University College of Medical Sciences

### ***Dentistry***

Professor Mahesh Verma	Maulana Azad Medical College
Professor Namita Kalra	University College of Medical Sciences
Professor L.C. Thakur	University College of Medical Sciences

### **Statute 9 (3) (iv)**

#### ***One Reader and one Lecturer by Rotation according to Seniority***

##### *Readers*

Dr. J.G. Prasuna	Community Medicine (LHMC)
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### **Statute 9 (3) (vi)**

#### ***Co-Opted Members***

Dr. J.C. Das	H.No. 1 Drs' Apartment, Vasundara Enclave, Mayur Vihar, Delhi.
Dr. B.B.L. Aggarwal	3-Drs' Apartment, Vasundara Enclave, Mayur Vihar, Delhi.
Dr. Rajesh Kumar	Department of Community Medicine, P.G.I., Chandigarh.
Dr. V.R. Minocha	Retd. Professor of Surgery UCMS.
Dr. Raminder Sehgal	(Retd.), Director, Professor and Head Department of Anaesthesia MAMC.

### **Statute 9(3) (vii)**

#### ***Nominated by the Academic Council***

Dr. Ananthnarayanan P.H.	Deputy Director (Medical), Directorate General of Health Services, Nirman Bhawan, New Delhi.
Professor Renu Saxena	Head, Department of Haematology, AIIMS, New Delhi.
Professor Vinay Sakhuja	Dean, PGI, Chandigarh, Head, Department of Nephrology, Chandigarh.
Professor R.K. Sharma	Dean, SGPGI, Lucknow, Rai Barilly Road, Lucknow, U.P.
Professor P. Julika	Head, Department of Radiotherapy, AIIMS, New Delhi.

## AYURVEDIC & UNANI MEDICINE

### **Statute 9(3) (i)**

#### ***Dean***

Dr. Abdul Hafeez

### **Statute 9(3) (ii)**

#### ***Heads of the Departments***

Dr. K.K. Sijoria	-	Ayurveda
Dr. Abdul Hafeez	-	Unani

### **Statute 9(3) (iv)**

#### ***One Reader and one Lecturer by Rotation according to Seniority***

Dr. Rajni Sushma

Dr. Yusuf Jamal

(w.e.f. 26.01.2010)

### **Statute 9(3) (v)**

#### ***One Teacher concerned by Rotation according to Seniority from each College***

Dr. Vivek Bhushan

### **Statute 9(3) (vi)**

#### ***Co-Opted Members***

Professor Khalid Zaman, A.K. Tibbia College, AMU, Aligarh (UP).

Professor Shakir Jameel, Faculty of Medicine, Jamia Hamdard, New Delhi.

Dr. Mohd. Sohaib Azmi, Raj Putana Tibbia College, Khandar Ka Rasta, Jaipur (Rajasthan)

Professor S.C. Varshney, Department of Shalya Shlak, IMS, BHU, Varanasi (UP).

Professor Hemant Kushwa, NIA, Amer Road, Jaipur (Rajasthan).

### **Statute 9(3) (vii)**

#### ***Nominated by the Academic Council***

Dr. V.V. Chikkara, Principal, Government Ayurveda College, Kurukshetra, Haryana.

Mohd. Anis Ansari, Prof. of Tasreeh, A.K. Unani College, A.M.U. Alligarh, (UP).

Dr. Dayashanker Mishra, Associate Professor Kaya Chikitsa, National Institute of Ayurveda, Jaipur.

Professor Rakesh Pawar, Head, Department of Kayachikitsa, D.A.V. Ayurveda College, Jalander, Punjab.

Dr. M. Akhtar Siddiqui, Reader, Department of Moalejat, Jamia Hamdard, Hamdard Nagar, New Delhi.

## MATHEMATICAL SCIENCES

### Statute 9(3) (i)

#### *Dean*

Professor P.K. Kapur

### Statute 9(3) (ii)

#### *Heads of the Departments*

Professor B.K. Dass	Mathematics
Professor Jagdish Saran	Statistics
Professor P.K. Kapur	Operational Research
Dr. (Ms.) Neelima Gupta	Computer Science

### Statute 9(3) (iii)

#### *All Professors other than Head of the Departments*

Professor Dinesh Singh	Mathematics
Professor S.C. Arora	Mathematics
Professor Tej Bahdur Singh	Mathematics
Professor Ajay Kumar	Mathematics
Professor (Ms.) Manju Lata Agrawal	Operational Research

### Statute 9(3)(iv)

#### *One Reader and one Lecturer by rotation according to seniority*

Mr. Ratikanta Panda	Mathematics	(w.e.f. 11.08.2009)
Mr. Kumar Abhay	Statistics	(w.e.f. 08.05.2008)
Dr. Prakash Chand Jha	Operational Research	
Dr. Vidya Kulkarni	Computer Science	
Dr. (Ms.) Gurprit Grover	Statistics	
Dr. (Ms.) Sapna Jain	Mathematics	
Dr. Ompal Singh	Operational Research	

### Statute 9(3)(v)

#### *One Teacher from each College by rotation according to Seniority*

Dr. (Ms.) Shakuntala Wadhwa	Sri Venkateswara College
Ms. Chitra Sharma	Lakshmibai College
Ms. Sonia Dawar	St. Stephen's College
Ms. Bindu Bansal	Hindu College
Dr. Shankar Lal	Zakir Hussain College (Eve.)
Mr. V.K. Kapoor	Shri Ram College of Commerce
Dr. (Ms.) Rita Bhatia	Indraprastha College for Women
Dr. S.K. Kaushik	Kirori Mal College
Ms. K.V. Shantha	Miranda House
Ms. Preeti Dharmarah	Hansraj College
Dr. S.R. Choudhary	Lady Sri Ram College
Dr. Inderjeet Arora	P.G.D.A.V. College

Dr. (Ms.) P. Arora	Janaki Devi Memorial College
Ms. Chand Mitroo	Atma Ram Sanatan Dharma College
Ms. Jaswinder Bhalla	S.G.T.B. Khalsa College
Dr. Suman Kumar Verma	School of Open Learning
Ms. Bhawana Kapoor	Gargi College
Shri N.D. Taneja	Shyam Lal College
Shri Ravi Kr. Srivastava	Swami Sharddhanand College
Dr. (Ms.) Kamlesh Sabharwal	Mata Sundri College for Women
Ms. Indra Chopra	Shaheed Bhagat Singh College
Ms. Neelam Bareja	Kalindi College
Ms. Elizabeth Michael	Maitreyi College
Shri Rakesh Yadav	Shivaji College
Dr. Anupam Goel	Moti Lal Nehru College
Dr. Ratna Dev Sharma	Rajdhani College
Ms. Seema Taneja	Vivekanand College
Mrs. Ishver Rani Manchanda	Dyal Singh College
Shri Man Mohan Singh	College of Vocational Studies
Ms. Paramjeet Kaur	Deen Dayal Upadhyaya College
Ms. Anupama	Acharya Narendra Dev College
Dr. (Ms.) Mridula Gupta	Daulat Ram College
Ms. Alpana Rastogi	Shyama Prasad Mukherji College for Women
Ms. Arpana Sharma	Keshav Mahavidyalaya
Ms. Punita Saxena	Shaheed Rajguru College of Applied Sciences for Women
Ms. Pragati Gautam	Kamala Nehru College
Dr. (Ms.) A. Gupta	Delhi College of Arts & Commerce
Ms. Kanta Wadhwa	Satyawati College
Ms. Muktda Dutta Mazumdar	Ram Lal Anand College
Dr. (Ms.) Suruchi	Aditi Mahavidyalaya
Shri Nagendra	Bhagini Nivedita College for Women
Shri Rajiv Aggarwal	Sri Aurobindo College
Dr. Tajinder Pal Singh	Bhim Rao Ambedkar College
Ms. Akansha	Shaheed Rajguru College of Applied Sciences for Women
Dr. Manoj Kumar Kantroo	Sri Aurobindo College
Ms. Usha Arora	Deshbandhu College
Dr. R.S. Soni	Sri Guru Nanak Dev Khalsa College
Ms. Renu Jain	Satyawati College
Dr. R. Saxena	Jesus & Mary College



**Statute 9(3)(vi)**

***Co-opted members***

Professor Piyush Chandra, Department of Mathematics, IIT Kanpur (UP)  
Professor Shyam Sundar, IBM Solutions, IIT Delhi, Hauz Khas, New Delhi  
Professor Dipendra Prasad, School of Mathematics, TIFR, Trombay, Mumbai  
Professor C. Mohan, C-55, Vijay Rattan Vihar, Sector-15, Part-I, Gurgaon, Haryana  
Dr. S.D. Sharma, Director, Indian Agricultural Statistics Research Institute, Library Avenue,  
Pusa, New Delhi.

**Statute 9(3)(vii)**

***Nominated by the Academic Council***

Professor Shobha Madan, Department of Mathematics, IIT Kanpur (UP)  
Professor Phoolan Prasad, Department of Mathematics, Indian Institute of Science  
Bangalore, Bangalore (Karnataka)  
Professor Karmeshu, School of Computer & Systems Sciences, JNU, New Mehrauli Road,  
New Delhi  
Professor Arvind Seth, Statistical Institute, Delhi Centre, 7, SJS Sansanwal Marg, New Delhi  
Professor A.K. Mittal, Department of Industrial & Management Engg., IIT Kanpur,  
Kanpur (UP).

## **TECHNOLOGY**

**Statute 9(3)(i)**

***Dean***

Professor S.K. Singh

**Statute 9(3)(ii)**

***Heads of the Departments***

Professor S.K. Singh, Civil Engineering, Computer Engineering, Applied Sciences  
& Humanities, Information Technology & Bio-Technology.  
Professor Asok De, Electronics & Communication Engineering  
Professor J.R.P. Gupta, Instrumentation & Control Engineering  
Professor S. Maji, Mechanical Engineering  
Professor S.K. Garg, Production & Industrial Engineering  
Professor Narendra Kumar, Electrical Engineering.

**Statute 9(3)(iii)**

***All Professors of the Departments***

Professor A. Bhattacharya	Electronics & Communication Engineering
Professor Raj Senani	Electronics & Communication Engineering
Professor P.R. Bose	Civil Engineering

Professor C.K. Dutta  
Professor P.B. Sharma  
Professor Ashutosh Trivedi

Production & Industrial Engineering  
Mechanical Engineering  
Civil Engineering

**Statute 9(3)(iv)**  
***Co-Opted Members***

Dr. (Mrs.) Reva Devi  
Dr. N.R. Khan

Department of Civil Engineering, I.I.T., New Delhi  
Head, Department of Electronics & Comm. Engg.  
J.M.I., New Delhi.

Professor K.K. Biswas

Department of Computer Engineering, I.I.T.,  
New Delhi.

**Statute 9(3)(vii)**  
***Nominee of the Academic Council***

Professor S.P. Gupta, Head, Department of Electrical Engineering, IIT Roorkee, Roorkee (Uttaranchal)

Professor Mini S. Thomas, Chairperson, IEEE-WIE, Department of Electrical Engineering, Jamia Millia Islamia, Jamia Nagar, New Delhi.

Professor P.K. Singhal, Head, Department of Computer Science and Engineering, Madhav Institute of Technology, Gwalior. (M.P.)

Professor Aparna Dixit, Professor of Biotechnology, Jawahar Lal Nehru University, New Delhi.

Professor Sneha Anand, Department of Biomedical Engineering, IIT, Hauz Khas, New Delhi.

## **SOCIAL SCIENCES**

**Statute 9(3) (i)**  
***Dean***

Professor Rajni Palriwala

**Statute 9(3) (ii)**  
***Heads of the Departments***

Professor Sanjay Bhatt

Social Work

Professor B.L. Pandit

Economics

Dr. Barkatullah Khan

Geography

Professor Rajni Palriwala

Sociology

Professor Rajni Palriwala,

Adult Continuing Education & Extension

Professor Madhu Bhalla

East Asian Studies

Professor S.Z.H. Jafri

History

Dr. Suresh Kumar

African Studies

Professor Achin Vanaik

Political Science

**Statute 9(3) (iii)*****All Professors of the Departments***

Professor Pulin B. Nayak	Economics
Professor B.D. Chatterjee	History
Professor Pami Dua	Economics
Professor Partha Sen	Economics
Professor B.L. Pandit	Economics
Professor H. Ramachandra	Geography
Professor (Ms.) N. Lahiri	History
Professor Sunil Kanwar	Economics
Professor Achin Vanaik	Political Science
Professor Shahid Amin	History
Professor Bidyut Chakravarty	Political Science
Professor Shreemati Chakrabarti	East Asian Studies
Professor K.M. Shrimali	History
Professor S.Z.H. Jafri	History
Professor R.C. Thakran	History
Professor T.K.V. Subramanian	History
Professor Aditya Bhattacharjee	Economics
Professor B.P. Sahu	History
Professor Brij Mohan Tankha	East Asian Studies
Professor Navnita C. Behra	Political Science
Professor Virginius Xaxa	Sociology
Professor Nandini Sunder	Sociology
Professor Satish Deshpande	Sociology
Professor (Ms.) Neera Chandhoke	Political Science
Professor Santosh C. Panda	Economics
Professor J.V. Meenakshi	Economics
Professor Basu Dev Chatterjee	History
Professor Amar Farooqui	History
Professor Sunil Kumar	History
Professor Sushma Batra	Social Work
Professor Abhijit Dasgupta	Sociology
Professor Rajni Palriwala	Sociology
Professor Tulsi Patel	Sociology
Professor Rohini Somanathan	Economics
Professor Ashwini Deshpande	Economics
Professor Upinder Singh	History
Professor Mahesh Rangarajan	History
Professor Farhat Hasan	History
Professor P.K. Datta	Political Science
Professor Meenakshi Thapan	Sociology
Professor Sneha Lata Tandon	Social Work
Professor Ujjwal Kr. Singh	Political Science

**Statute 9(3) (iv)*****One Reader and one Lecturer by Rotation according to Seniority***

Ms. Abhijit Banerjee	Economics
Dr. Manoj Kumar Jha	Social Work
Dr. Sunil Kumar	History
Dr. Saroj Giri	Political Science
Dr. Radhika Chopra	Sociology
Dr. R.B. Singh	Geography
Dr. Paramjit	Economics
Dr. (Ms.) Archana Kaushik	Social Work
Dr. N. Sukumar	Political Science
Dr. Tribhuwan Prasad	African Studies
Shri Tilla Kumar	Sociology
Dr. Ashish Kumar Saha	Geography
Dr. (Ms.) Unita Sachidanand	East Asian Studies
Ms. Shreeparna Roy	East Asian Studies

**Statute 9(3) (v)*****One Teacher from each College by Rotation according to Seniority***

Ms. Rena Sewak	Lady Shri Ram College for Women
Ms. M. Verma	Janki Devi Memorial College
Ms. Aruna Uppal	Kamala Nehru College
Ms. Suchitra Gupta	Hindu College
Ms. Subhash Saigal	Indraprastha College
Shri Himanshu Roy	Deen Dayal Uppadhyaya College
Shri S.K. Taneja	Ram Lal Anand College (Eve.)
Ms. V. Mangalnath	Janki Devi Memorial College
Ms. M. Sardesai	Jesus & Mary College
Shri Nainu Ram	Shyam Lal College
Shri Bir Inder Singh	S.G.T.B. Khalsa College
Dr. R.D. Panwar	College of Vocational Studies
Mr. Narender Sharma	Zakir Husain College
Ms. Indira Kohli	Maitreyi College
Ms. Kiran Bhasin	Lady Shri Ram College for Women
Dr. S. Sandhir	Kalindi College
Dr. D.K. Singh	Shivaji College
Dr. K. Prabha	Shaheed Bhagat Singh College
Ms. Parminder Kaur Nagar	S.G.T.B. Khalsa College
Ms. P.S. Bharati	Sri Venkateshwara College
Mr. Sanjay Rao Ayde	St. Stephen's College
Dr. Devender Kakkar	School of Open Learning
Ms. Beena Antomy	Aditi Mahavidyalaya
Shri R.M. Bhardwaj	Deen Dayal Uppadhyaya College

Ms. Anita Mathur  
Dr. A.S. Shahid  
Ms. Sudershan Mittal  
Dr. Firdos Anwar  
Ms. Sheela Bajaj  
Dr. Sunil Parashar  
Mr. S.R. Oberoi  
Mr. K.K. Anand

Sri Ram College of Commerce  
Zakir Husain College (Evening)  
Vivekanand College  
Kirori Mal College  
Delhi College of Arts & Commerce  
Lakshmibai College  
Rajdhani College  
A.R.S.D. College

**Statute 9(3) (vi)**

***Co-opted Members***

Professor Arunava Sen  
Professor D.L. Sheth  
Professor Amrit Srinivasan  
Professor Survinjit Mehta

Indian Statistical Institute, New Delhi.  
C.S.D.S., Delhi.  
Indian Institute of Technology, New Delhi.  
Panjab University.

**Statute 9(3) (vii)**

***Nominated by the Academic Council***

Professor R.K. Barik  
  
Professor Bina Agarwal  
  
Professor Mary John  
  
Professor Anwar Alam  
  
Professor Muchkund Dubey

Indian Institute of Public Administration, I.P.  
Extension, Ring Road, Near I.T.O., New Delhi.  
Director Institute of Economic Growth, University  
of Delhi, North Campus, Delhi.  
Centre for Women Development Studies, 25, Bhai  
Vir Singh Marg, Near Gole Market, New Delhi.  
Department of West Asian Studies, Jamia Millia  
Islamia University, Jamia Nagar, New Delhi.  
Centre for Social Development, Lodi Road, New  
Delhi.

## **APPLIED SOCIAL SCIENCES AND HUMANITIES**

**Dean & Head**

Professor Rashmi Agrawal

**Other Members**

Professor Indira Rajaraman  
Professor Pradeep Mathur  
  
Professor Rashmi Doraiswami  
Professor Kanchan Chopra  
Professor C.P. Gupta  
  
Professor S.K. Vij

Honorary Professor, Indian Statistical Instt., Delhi  
Retd. Professor, Indian Instt. of Mass Comm. Jamia  
Millia Islamia  
Central Academic of third world, JNU  
Former Director, Instt. of Economic Growth  
Chairman, Accounting and Finance Area,  
Management Development Institute, Gurgaon.  
Slavonic & Finno-Ugrian Studies

Professor R.K. Nagpal	Head, Deptt. of Slavonic & Finno Ugrian Studies
Professor V.K. Kaul	Business Economics
Dr. Deepa Saran	Business Economics
Dr. Rashmi Joshi	Slavonic & Finno-Ugrian Studies
Dr. Yamini Gupt	Business Economics
Dr. Rakesh Shahani	Reader, Department of Business Economics, B.R. Ambedkar College, University of Delhi
Ms. Tarannum Ahmed	Reader, Shaheed Sukhdev College Business Studies University of Delhi

## EDUCATION

### **Statute 9(3)(i)**

#### ***Dean***

Professor Bharati Baveja

### **Statute 9(3)(ii)**

#### ***Head of the Department***

Professor Bharati Baveja

### **Statute 9(3)(iii)**

#### ***All Professors of the Department***

Professor Shyam B. Menon

Professor Poonam Batra

Professor Anita Rampal

Professor Rama Mathew

Professor Krishna Maitra

### **Statute 9(3)(iv)**

#### ***One Reader and one Lecturer by rotation according to Seniority***

Dr. Namita Ranganathan

Dr. (Ms.) D. Parimala

### **Statute 9(3)(v)**

#### ***One Teacher from each College by rotation according to Seniority***

Dr. Radhika Menon

Mata Sundari College for Women

Dr. Dhananjay Shaw

Indira Gandhi Institute of Physical Education

Shri Parmesh Kumar Sharma

M.V. College of Education

Dr. (Ms.) Girish Bala Chaudhary

Lady Irwin College

Ms. Monika Gupta

Gargi College

Dr. Jyoti Sharma

Shyama Prasad Mukherjee College

Dr. R.G. Mathur

R.A.K. College of Nursing

Ms. Susmita Ramanathan

MD-3, Sah Vikas Apts.,68 I.P.Exten., Delhi.

Dr. S. Rajashree

Lady Shri Ram College for Women

Dr. Indu Nashier

Aditi Mahavidyalaya

**Statute 9(3)(vi)*****Co-opted Members***

Professor (Ms.) Santosh Sharma	Department of Teacher Education Curriculum Group National Council of Educational Research and Training Sri Aurobindo Marg, New Delhi.
Professor Ajit Mohanty	Chairman, Zakir Hussain Centre for Educational Studies School of Social Sciences, Jawaharlal Nehru University, New Delhi.
Professor R.S. Khan (Retd.)	232/5, Lane No. 7, Gaffar Manzil, Jamia Nagar, New Delhi.
Professor Vasudha Kamat	Central Institute of Educational Technology, NCERT, Sri Aurobindo Marg, New Delhi.

**Statute 9(3)(v)*****Nominated by the Academic Council***

Professor Avinash K. Singh	Department of Foundations of Education, National University of Educational Planning and Administration (NUEPA), 17-B, Sri Aurobindo Marg, New Delhi.
Professor Satvir Singh	CA/1C, 2 <sup>nd</sup> Floor, DDA Flats, Munirka, Delhi.
Professor N.K. Dash	School of Education, Indira Gandhi National Open University, Maidan Garhi, New Delhi.
Professor Ajit Kumar Mohanty	School of Social Sciences, Zakir Hussain Centre for Educational Studies, School of Social Sciences, Jawaharlal Nehru University, New Delhi.
Professor Talat Aziz	Department of Teacher's Training & Non-Formal Education, Jamia Millia Islamia, Jamia Nagar, New Delhi.

**COMMERCE & BUSINESS*****Dean***

Professor Sanjay K. Jain

***Head of Department***

Professor Muneesh Kumar

***All Professors other than Head of the Department***

Professor Y.P. Singh

Professor Sri Ram Khanna

Professor Jawahar Lal  
Professor Bhanu Murthy  
Professor Sanjay Sehgal

Professor A.K. Seth  
Professor Shirin Rathore

***One senior most reader and one senior most lecturer by rotation in accordance to Seniority***

***Reader***

Dr. J.P. Sharma  
Dr. Amitabh Gupta

***Lecturer***

Dr. Abha Shukla  
Dr. Manica Singhania

***Statute 9.3(v)***

Ms. Neeru Malhotra  
Ms. Rajeev Kaur  
Ms. Poonam Mittal  
Dr. (Ms.) Indu Jain  
Mr. N.K. Ken  
Mr. V.P. Jain  
Ms. Abha Wadhwa  
Shri M.N. Arora  
Dr. (Ms.) Ushakrishna  
Ms. Kavita Sangari  
Shri Pradeep Kumar  
Dr. S. Sardana  
Ms. Nirmal Jain  
Ms. Sharda Garg  
Dr. S.C. Garg  
Dr. R.S. Aggarwal  
Ms. Gunjeet Kaur  
Dr. V.P. Choudhary  
Dr. (Ms.) Veena Jain  
Dr. R.R. Bari  
Shri R.C. Wadhwa  
Dr. N.D. Vohra

Shri A.P. Suri  
Ms. Pushpa Kumari  
Dr. (Ms.) Poonam  
Ms. Neera Arya  
Mr. R.L. Mittal  
Dr. S.S. Bawa  
Ms. Geeta Kitchlu  
Ms. Archana Gupta  
Dr. (Ms.) R. Singhal  
Dr. G.P. Mishra  
Ms. Alka Aggarwal  
Dr. S.P. Gupta  
Ms. Neeta Bareja  
Dr. Ramesh Mandhan  
Shri S.K. Jindal  
Shri H.V. Jhamb  
Mrs. Renu Gupta  
Dr. G.K. Varshney  
Shri S.K. Gupta  
Dr. N.L. Sharma  
Mr. Ved Prakash Jain

***Statute 9.3(vii) Nominated by the Academic Council***

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Professor I.M. Pandey  
Professor N.V. Narasimham  
Dr. A.K. Singh  
Ms. Niti Sury

Dr. Dinesh K. Gupta  
Professor Navin Mathur  
Special Invitee  
Special Invitee



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Dr. Sanjay Kapoor

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Dr. Anita Kapila

Dr. (Ms.) Sarita Nanda

Dr. Bijay Kumar Kuanr

Dr. S.K. Srivastava

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Dr. J.S. Viridi

Dr. P.K. Mehta

Dr. R.K. Gupta

Mr. Amit Garg

Dr. Arti Nigam

Dr. Geeta Mongia

Dr. Rashmi Wardhan

Dr. D.K. Kansal

Dr.(Ms.) Maneet Dhir

## MUSIC AND FINE ARTS

### **Statute 9(3)(i)**

#### **Dean**

Professor Anjali Mittal

*Chairperson*

### **Statute 9(3)(ii)**

#### **Head**

Professor Anjali Mittal

### **Statute 9(3)(iii)**

#### **All Professors of the Departments**

Professor Najma Perveen Ahmad

Professor Anupam Mahajan

Professor Manjushree Tyagi

Professor Deepti Bhalla

Professor Madhu Bala Saxena

Professor Sunita Dhar

Professor Uma Garg

Professor Suneera Kasliwal

Professor Radha, V.

**Statute 9(3)(iv)**

***One Reader and one Lecturer by rotation according to Seniority***

Dr. Alka Nagpal

Smt. T.S. Raji

**Statute 9(3)(v)**

***One Teacher from each College by rotation according to Seniority***

Dr. Krishna Choudhury

Lakshmibai College

Dr. Suniti Dutta

Aditi Mahavidyalaya

Smt. Renu Gupta

Kalindi College

Dr. Renu Rajan

Aurobindo College (Eve.)

Dr. Vandana Sharma

Bhagini Nivedita College

Dr. Sarita Pathak

Bharti College

Dr. Neeta Mathur

Vivekananda College

Dr. Deepti Bansal

Daulat Ram College

Dr. Sunanda Pathak

Mata Sundri College

Dr. Sudha Mathur

S.P.Mukherji College for Women

Dr. Prerna Arora

Janki Devi Memorial College

**Statute 9(3)(vii)**

***Nominated by the Academic Council***

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Professor Vidyadhar Vyas

Professor Satyabhan Sharma

Vidushi Smt. Shanno Khurana

Professor Ranjana Srivastava

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Shri Anisur Rehman

- Lecturer, Zakir Husain College

Shri A.R. Geelani

- Lecturer, Zakir Husain College (Eve.)

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Dr. H.P. Gangnegi

Dr. I.N. Singh

Dr. Ranjana Rani Singhal

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Dr. Tanya Roy		
Dr. Sharmistha Lahiri		
Dr. Dinesh Adlakha	-	Lecturer, Jesus & Mary College

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Professor (Mrs.) S.P. Singh		
Dr. Shailender Kumar		
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Professor Girishwar Misra		
Dr. Swasti Shrimati Vohra	-	Applied, Psychology, South Delhi Campus
Dr. Indu Bahadur	-	Daulat Ram College
Dr. Preeti Pant	-	Gargi College

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Professor R.K. Agnihotri	-	Head
Dr. Shobha Satyanath		
Ms. Mamta	-	Lecturer

**Modern Indian Language and Literary Studies**

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Professor Nandita Basu		
Professor T.S. Satyanath		
Dr. R.P. Tekchandani		
Dr. Kalpana Gupta	-	Reader, Dyal Singh College

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Professor Kuljit Shellie		
Dr. Rajinder Kaur	-	Mata Sundri College
Dr. Kulvir Gojra	-	Punjabi

**Sanskrit**

Professor Madan Mohan Agrawal	-	Head
Professor Dipti Sharma Tripathi		
Dr. Mithilesh Chaturvedi	-	Reader
Dr. Purnima Kaul		
Dr. Sushma Kulshreshtha	-	Daulat Ram College

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Dr. T.A. Khan	-	Reader
Dr. Najma Rehmani		
Dr. Mumtaz Mujeeb	-	Lecturer, Zakir Husain College

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Professor S.B.F. Husaini		
Dr. Aleem Ashraf Khan		
Dr. Rajinder Kumar		
Dr. Mehmood Fayyaz		

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Dr. Shashi Motilal		
Dr. Anuradha Veeravalli		
Dr. Krishna Jain	-	Janki Devi Memorial College
Dr. Anuradha Mathur	-	S.P.Mukherji College

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Professor Sudhish Pachouri	-	Head
Professor Ramesh Gautam		
Dr. P.C. Tandon		

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Professor Rajni Palriwala	-	Dean
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**African Studies**

Dr. Suresh Kumar	-	Head
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Professor (Ms.) Sreemati Chakrabarti		
Dr. Janardan Sahu		
Dr. Unita Sachidanand		

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Professor B.L. Pandit	-	Head
Professor Partha Sen		
Dr. Abhijit Banerji	-	Reader
Dr. Paramjit	-	Sr. Lecturer
Dr. Vishnu Kant Purohit	-	Inderaparstha College for Women
Dr. Rupa Basu	-	Kamala Nehru College

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Professor H. Ramachandran		
Dr. S.C. Rai	-	Reader
Dr. Anjan Sen	-	Lecturer
Dr. V.K. Tyagi	-	Lecturer, Shaheed Bhagat Singh College

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Professor K.M. Shrimali		
Dr. D.N. Gupta	-	Lecturer, Hindu College
Dr. Arup Ranjan Banerjee		
Dr. Yasser Arafath		

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Professor Neera Chandhoke		
Dr. Shanta N. Varma	-	Reader
Dr. N. Sukumar	-	Lecturer
Dr. G.N. Trivedi	-	Moti Lal Nehru College (Eve.)

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Professor Sushma Batra		
Shri Manoj Kumar Jha	-	Reader
Mrs. Neera Agnimitra	-	Lecturer

**Sociology**

Professor Rajni Palriwala	-	Head
Professor Satish Deshpande		
Dr. Radhika Chopra	-	Reader
Dr. Dinaz Mirchandani	-	Miranda House
Dr. Vandana Madan	-	Janki Devi Memorial College

**Adult Continuing Education & Extension**

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Professor S.Z.H. Jafri	-	V-C Nominee
Dr. Rajesh	-	Reader
Dr. D.D. Aggarwal	-	Lecturer

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Professor Malashri Lal	-	English

**COMMERCE**

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Dr. A.K. Seth		
Dr. J.P. Sharma		
Ms. Abha Shukla		

**Education**

Professor Bharati Baveja	-	Head
Professor Poonam Batra		
Dr. Janki Ranjan		
Shri Rumesh Chander		

**Business Management and Industrial Administration**

Professor J.K. Mitra	-	Head
Professor M. Mamkoottam		
Dr. Preetam Khandelwal		

**Financial Studies**

Professor Muneesh Kumar	-	Head
Professor Sanjay Sehgal		
Dr. Nidhi Jain		
Ms. Monika Singhanian		

**Business Economics**

Dr. V.K. Kaul	-	Head
Professor Rashmi Aggarwal		
Dr. Deepa Saran		
Dr. Ananya Ghosh Dastidar		

**Mathematics**

Professor S.C. Arora	-	Head
Professor B.K. Dass		
Dr. Vishnu Gupta		
Dr. V. Ambethkar		

### **Operational Research**

Professor Manju Lata Aggarwal	-	Head
Professor P.K. Kapur		
Dr. Chandra K. Jaggi		
Shri Amit Kumar Vardhan		
Dr. Veena Jain	-	Lecturer, Deen Dayal Upadhyaya College

### **Statistics**

Professor M.C. Aggarwal	-	Head
Professor Jagdish Saran		
Dr. Gurpreet Grover		

### **Computer Science**

Dr. Punam Bedi	-	Head
Dr. Vasudha Bhatnagar		
Dr. Archana Singhal	-	Indraprastha College for Women
Dr. Anita Goel		Dyal Singh College

## **SCIENCE**

### **Chairman**

Professor Rup Lal

### **Heads of Departments**

Professor D.S. Kulshrestha	Physics & Astrophysics	
Professor V.S. Parmar	Chemistry	
Professor (Ms.) I. Usha Rao	Botany	
Professor Rup Lal	Zoology	
Professor P.K. Ghosh	Anthropology	
Professor A.M. Bhola	Geology	(upto 10.08.2009)
Professor V.N. Bajpai	Geology	(w.e.f. 11.08.2009)
Professor Daman Saluja, Offg. Director	ACBR	
Professor B.P. Srinivasan	Pharmacy	(upto 06.06.2009)
Professor S.S. Agarwal	Pharmacy	(w.e.f. 07.06.2009)
Dr. (Mrs.) Kumud Khanna	Home Science	
Professor Mihir Deb	School of Environment Studies	(upto 12.08.2009)
Professor M.K. Pandit	School of Environment Studies	(w.e.f. 13.08.2009)

### **Professors**

Professor M.P. Srivastava	Physics & Astrophysics
Professor N.K. Kaushik	Chemistry
Professor S.K. Sawhney	Botany

Professor K. Muralidhar	Zoology	
Professor J.P. Srivastava	Geology	
Professor Surinder Nath	Anthropology	
Professor B.P. Srinivasan	Pharmacy	(w.e.f. 07.06.2009)

### **Readers**

Dr. Shahnawaz	Physics & Astrophysics	
Dr. Harish Chandra	Chemistry	
Dr. S.B. Babbar	Botany	(upto 30.03.2010)
Dr. R. Gupta	Botany	(w.e.f. 31.03.2010)
Dr. Rina Chakrabarti	Zoology	(upto 02.09.2009)
Dr. D.K. Singh	Zoology	(w.e.f. 03.09.2009)
Dr. S.M. Patnaik	Anthropology	
Dr. Pankaj Srivastava	Geology	
Dr. Anupa Siddhu	Home Science	
Dr. D.K. Majumdar	Pharmacy	

### **Lecturers**

Dr. Somorendro Singh	Physics & Astrophysics
Dr. P.R. Mondal	Anthropology
Dr. Rajani Mathur	Pharmacy
Dr. P. Sagar	Shivaji College
Dr. S.V. Eswaran	St. Stephen's College
Dr. Prabhas Pandey	Ram Lal Anand College

## **MATHEMATICAL SCIENCES**

### **Dean**

Professor P.K. Kapur

### **Heads of the Departments**

Professor B.K. Dass	Mathematics
Dr. Neelima Gupta	Computer Science
Professor Jagdish Saran	Statistics
Professor P.K. Kapur	Operational Research
Professor Dinesh Singh	Mathematics
Mrs. Vidya Kulkarni	Computer Science
Professor M.C. Agarwal	Statistics
Professor Manju Lata Agarwal	Operational Research
Dr. (Ms.) Sachi Srivastava	Mathematics
Mr. P.K. Hazra	Computer Science
Dr. (Ms.) Gurprit Grover	Statistics
Dr. C.K. Jaggi	Operational Research



Dr. V. Ambethkar	Mathematics
Dr. S.K. Muttoo	Computer Science
Dr. (Ms.) Ranjita Misra	Statistics
Dr. K.K. Aggarwal	Operational Research
Dr. S.R. Arora	Hans Raj College
Dr. (Ms.) Anita Goel	294, Sector-15 A, Noida
Dr. (Ms.) Nirmal Jain	Hindu College Flats
Dr. (Ms.) Veena Jain	B-2, Ashoka Apartment, Sector-9, Rohini, Delhi

## **LAW**

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Professor S.N. Singh, Head & Dean, Faculty of Law

### **Members**

Professor Usha Razdan	-	Prof.-in-Charge, Law Centre-I
Professor S.C. Raina	-	Prof.-in-Charge, Campus Law Centre
Professor Poonam Saxena	-	Prof.-in-Charge, Law Centre-II
Professor N.K. Chadha	-	Department of Adult Education & Extention
Dr. Sudhish Pachouri	-	Department of Hindi
Professor Nomita Aggarwal		
Professor Gurdip Singh		
Professor Veena Bakshi		
Professor S.L. Maini		
Dr. B.T. Kaul		
Dr. Mahavir Singh		
Dr. Pinki Sharma		

## **MEDICAL SCIENCES**

### **Dean**

Professor (Mrs.) Kiran Mishra - Chairperson

### **Under Ordinance VI-B(3) (i)**

#### **Heads of the Departments**

Professor Ashok Kumar	Anaesthesiology (UCMS)
Professor Kamlesh Khatri	Anatomy (UCMS)
Professor B.D. Banerjee	Bio-Chemistry (UCMS)
Professor Sanjay Chaturvedi	Community Medicine (UCMS) (w.e.f. 16.02.2010)
Professor Archana Singhal	Dermatology and Venerology (UCMS)
Professor N.K. Aggarwal	Forensic Medicine (UCMS)
Professor S.K. Jain	Medicine (LHMC)

Professor Neelam Bala Vaid	Obstt. & Gynae. (UCMS)	(w.e.f. 08.08.2009)
Professor Jolly Rohtagi	Ophthalmology (UCMS)	
Professor Ajay Kumar Gupta	Orthopaedics (MAMC)	(w.e.f. 03.12.2009)
Professor T.S. Anand	Otolaryngology (LHMC)	
Professor Anand Prakash Dube	Paediatrics (MAMC)	(w.e.f. 26.05.2009)
Professor Kiran Mishra	Pathology (UCMS)	
Professor S.K. Bhattacharya	Pharmacology (UCMS)	
Professor Savita Singh	Physiology (UCMS)	
Professor Jiloha	Psychiatry (MAMC)	
Professor Raj Kumar	Pulmonary Medicine (VPCI)	
Professor Rama Anand	Radiology (LHMC)	
Professor Amit Banerjee	Surgery (MAMC)	
Professor Mahesh Verma	Dental Science (MAMC)	

***Under Ordinance VI-B(3) (ii)***

***Head of the institutions/colleges***

- The Dean, Maulana Azad Medical College, New Delhi.
- The Principal, Lady Hardinge Medical College, New Delhi.
- The Principal, University College of Medical Sciences, Delhi.
- The Principal, Maulana Azad Institute of Dental Sciences, New Delhi.
- The Medical Superintendent, Kasturba Hospital, Delhi.
- The Director, V.P.C.I., University of Delhi, Delhi.
- The Director, G.B. Pant Hospital, New Delhi.
- The Director, Institute of Human Behaviour & Allied Sciences, Shahdara, Delhi.
- The Director, National Institute of Health & Family Welfare, Munirka, New Delhi.
- The Commandant, Army Hospital, Delhi Cantt., New Delhi.
- Dr. A.K. Tripathi, Reader, Department of Biochemistry, UCMS, Shahdara, Delhi.
- Dr. Malini Shariff, Reader, Department of Microbiology, VPCI, University of Delhi, Delhi.
- Dr. Shilpi Agarwal, Associate Professor, Department of Pathology, LHMC, New Delhi.

## **TECHNOLOGY**

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Professor S.K. Singh (Dean) - Chairman

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- Professor P.B. Sharma, Director, DCE.
- Professor Raj Senani, Director, NSIT.
- Professor Ahok De, Head, Department of Electrical Communication Engineering, DCE.
- Professor J.R.P. Gupta, Head, Department of Instrumentation and Control Engineering, NSIT.
- Professor S. Maji, Head, Department of Mechanical Engineering , DCE.

Professor S.K. Garg, Head, Department of PE, DCE.  
 Professor Narendra Kumar, Head, Department of Electrical Engineering, DCE.  
 Professor M. Kidwai, Department of Chemistry, Delhi University, Vice-Chancellor Nominee  
 Professor Jitendra Khurana, Department of PMB, SDC, Delhi University, Vice-Chancellor Nominee  
 Professor A. Trivedi, Department of Computer Engineering, DCE.  
 Professor C.K. Dutta, Department of PE, DCE (upto 31.4.2009)  
 Dr. A.P. Gupta, Department of Applied Sciences (Chemistry), DCE.  
 Dr. A.K. Gupta (F/T), Department of Computer Engineering, DCE.  
 Dr. P.R. Chadha, Department of Electrical Communication Engineering, DCE.  
 Dr. N.K. Jain, Department of Electrical Engineering, DCE.  
 Dr. R.S. Mishra, Department of Mechanical Engineering, DCE.  
 Dr. J.K. Mishra, Maths, NSIT.  
 Dr. O.P. Thakur, Physics, NSIT.  
 Dr. Sanjeev Thakur, Chemistry, NSIT.  
 Dr. Sangeeta Sabharwal, Department of Elect. & Comm. Engineering, NSIT.

## **APPLIED SOCIAL SCIENCES AND HUMANITIES**

### **Dean & Head Deptt. of Business Economics**

Professor Rashmi Agrawal

#### **Members**

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Dr. Deepa Saran	Business Economics
Dr. Yamini Gupta	Business Economics
Dr. Aradhna Aggarwal	Business Economics
Dr. A.G. Dastidar	Business Economics
Professor S.K. Vij	Slavonic & Finno-Ugrian Studies
Professor Ravi Nagpal	Slavonic & Finno-Ugrian Studies
Dr. Rashmi Joshi	Slavonic & Finno-Ugrian Studies
Dr. Ranjana Saxena	Slavonic & Finno-Ugrian Studies
Dr. Meenakshi	Slavonic & Finno-Ugrian Studies
Dr. Mari Coueg	Slavonic & Finno-Ugrian Studies
Dr. (Mrs.) Upinder Singh	History
Dr. Rakesh Sahani	Business Economics, B.R. Ambedkar College, University of Delhi
Mrs. Tarannum Ahmed	Shaheed Sukhdev College of Business Studies

### **Vice-Chancellor Nominee in the Department of Research Committee (DRC)**

Professor Aditya Bhattacharya      Economics

### **Vice-Chancellor Nominee in the Board of Research Studies (BRS)**

Professor Pullin Nayak      Economics  
 Professor S.Z.H. Jafri      History

## INTER-DISCIPLINARY AND APPLIED SCIENCES

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Professor Akhilesh K. Tyagi  
Professor V.K. Choudhary  
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Dr. Amita Gupta  
Dr. Madhu Pruthi  
Dr. Saurabh Raghuwanshi  
Dr. Sunil Kateriya  
Dr. (Ms.) Mridula Gupta  
Dr. D.K. Kansal  
Dr. Sanjay Jain

Professor S. Srivastava  
Professor Anil Grover  
Professor Anil K. Tyagi  
Professor A.K. Verma  
Dr. Pradeep Burma  
Dr. Swati Saha  
Dr. Renu Dutt  
Dr. Arun Kumar Sharma  
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Dr. Kiran Sandhu  
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Professor Najma Perveen Ahmad  
Professor Anupam Mahajan  
Dr. Alka Nagpal  
Dr. Shailender Goswami

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### **Statute 9(3) (i)**

#### **Dean**

Professor J.K. Mitra

### **Statute 9(3) (ii)**

#### **Head**

Professor J.K. Mitra

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Professor Raghav Gaiha	Professor K. Mamkoottam
Professor R.S. Dhankar	Professor M.L. Singla
Professor Vijay Kapur	Professor Sunita Singh Sengupta
Professor Vivek Suneja	

**Statute 9(3) (iv)****One Reader and one Lecturer by Rotation according to Seniority*****Readers***

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Dr. V.K. Seth	Dr. P. Khandelwal
Dr. H.D. Gupta	Dr. Madhu Vij
Dr. Sunil Sharma	Dr. Simrit Kaur
Dr. Mala Sinha	Dr. A. Venkatraman
Dr. Kavita Singh	Dr. Tanuja Aggarwal
Dr. H.V. Verma	

***Lecturer***

Dr. Anupama Vohra

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Professor Pronab Sen	Experts Member	
Professor T.S. Papola	Experts Member	
Professor S.K. Roy	E.C. Nominee	
Professor Abhijit Sen	E.C. Nominee	(upto 02.01.2010)
Professor S. Mahendra	Experts Member	(w.e.f. 03.01.2010)

**Dr. B.R. AMBEDKAR CENTRE FOR BIO-MEDICAL RESEARCH**

Professor S.K. Tandon, (Pro-Vice-Chancellor)	Chairman
Professor Rajendra Prashad, J.N.U.	E.C. Nominee
Professor Nishi Madan, U.C.M.S.	E.C. Nominee
Professor Dinesh Singh, Director, S.D.C.	E.C. Nominee
Professor Nayanjot Lahiri, Dean of College	E.C. Nominee

## KIRORI MAL COLLEGE

Professor Shirin Rathore	Chairperson	(upto 17.12.2009)
Retd. Chief Justice Vijender Jain	Chairman	(w.e.f. 22.12.2009)
Mr. M.S. Ganesh Advocate	E.C. Nominee	(upto 13.05.2009)
Ms. Sadhna Ramachandran, Adv	E.C. Nominee	(w.e.f. 12.07.2009)
Ms. Ruby Ahuja, Lawyer	E.C. Nominee	(upto 03.06.2009)
Professor Rajeeva Verma, Retd.	E.C. Nominee	(w.e.f. 11.07.2009)
Mrs. Sunita Gupta	E.C. Nominee	
Mr. Himanshu Dhanda	E.C. Nominee	
Professor Sumanyu Satpathy	E.C. Nominee	
Professor T.C.A. Anant	E.C. Nominee	
Professor Sudhir Shah	E.C. Nominee	(upto 05.09.2009)
Professor Ajay Kumar	E.C. Nominee	(upto 02.02.2010)

## MIRANDA HOUSE

Dr. Manju Lata Sharma -	Chairperson	
Professor K. Sreenivas	E.C. Nominee	(upto 04.10.2009)
Professor Sheela Srivastava	E.C. Nominee	(w.e.f. 05.10.2009)
Professor Sanjay Jain	E.C. Nominee	
Professor Meenakshi Thapan	E.C. Nominee	
Professor J.K. Mitra	E.C. Nominee	
Professor Bharti Baveja	E.C. Nominee	
Ms. Ira Pande	E.C. Nominee	

## SCHOOL OF OPEN LEARNING

Dr. Savita M. Datta	Director/Chairperson	
Professor Shobit Mahajan	E.C. Nominee	
Professor (Ms.) S.P. Singh	E.C. Nominee	
Professor M. Mamkootam	E.C. Nominee	
Professor (Ms.) Gopa Bhardwaj	E.C. Nominee	
Professor Subhadra Channa	E.C. Nominee	
Shri Purshotam Bhatia	E.C. Nominee	

**UNIVERSITY COLLEGE OF MEDICAL SCIENCES  
& G.T.B. HOSPITAL**

Professor S.K. Tandon	Chairman	
Professor S.K. Sareen	E.C. Nominee	
Professor Rup Lal	E.C. Nominee	(upto 30.11.2009)

**V.P. CHEST INSTITUTE**

Professor N.K. Ganguli	Chairman	(upto 12.11.2009)
Professor P.N. Tandon	Chairman	(w.e.f. 18.11.2009)
Dr. Satyajit Rath	E.C. Nominee	
Professor Rup Lal	E.C. Nominee	
Professor Anil Tyagi	E.C. Nominee	

**DELHI GOVT. MAINTAINED COLLEGES**

**ADITI MAHAVIDYALAYA**

*University Representative*

Professor Amar Farooqi	(upto 30.12.2009)
Professor P.K. Ghosh	(w.e.f. 31.12.2009)
Professor B.P. Sahu	

**BHAGINI NIVEDITA COLLEGE**

*University Representative*

Professor Vibha Chaturvedi	(upto 20.11.2009)
Professor Y.P. Singh	(w.e.f. 21.11.2009)
Professor Rita Kakkar	

**BHARTI COLLEGE**

*University Representative*

Professor Farhat Hassan	(upto 04.04.2009)
Professor Shashwati Mazumdar	(w.e.f. 05.04.2009)
Professor Enakshi Sharma	(upto 18.11.2009)
Professor Udaya Kumar	(w.e.f. 19.11.2009)

## **BHASKARCHARYA COLLEGE OF APPLIED SCIENCES**

*University Representative*

Professor Rita Kakkar  
Professor A.K. Singh

## **BHIM RAO AMBEDKAR COLLEGE**

*University Representative*

Professor S. Pachauri (upto 09.09.2009)  
Professor I.M. Pande (w.e.f. 10.09.2009)  
Professor H. Ramachandra

## **DEAN DAYAL UPADHYAYA COLLEGE**

*University Representative*

Professor B.P. Sahu  
Professor Pawan Mathur (upto 28.09.2009)  
Professor Vinod Kumar (w.e.f. 28.07.2009)

## **INDIRA GANDHI INSTITUTE OF PHYSICAL EDUCATION & SPORTS SCIENCES**

*University Representative*

Professor R. Gargesh (upto 11.11.2009)  
Professor Chander Shekhar (w.e.f. 12.11.2009)  
Professor Pammi Dua (upto 26.03.2010)  
Professor Ramphal Rana (w.e.f. 27.03.2010)

## **KALINDI COLLEGE**

*University Representative*

Professor Harimohan Sharma (upto 26.09.2009)  
Professor K.T.S. Sarao (w.e.f. 27.09.2009)  
Professor (Ms.) S.P. Singh



## **KESHAV MAVIDYALAYA**

*University Representative*

Professor A.K. Bakshi  
Professor R.P. Tandon

## **LAKSHMI BAI COLLEGE**

*University Representative*

Professor B.P. Singh  
Professor Achin Vanaik (upto 03.10.2009)  
Professor Madhu Bhatia (w.e.f. 04.10.2009)

## **MAHARAJA AGRASEN COLLEGE**

*University Representative*

Professor (Ms.) Sreemati Chakrabarti  
Professor Ashum Gupta

## **MAHARISHI VALMIKI COLLEGE OF EDUCATION**

*University Representative*

Professor Krishna Maitra (upto 31.08.2009)  
Professor Amitabh Mookerjee (w.e.f. 17.10.2009)  
Professor Shaswati Mazumadar (upto 13.04.2009)  
Professor Faraht Hassan (w.e.f. 14.04.2009)

## **RAJDHANI COLLEGE**

*University Representative*

Professor Faraht Hassan  
Professor Satish Deshapne (upto 02.09.2009)  
Professor H.P. Singh (w.e.f. 03.09.2009)

## **SATYAWATI COLLEGE**

*University Representative*

Professor Upinder Singh (upto 02.09.2009)  
Professor Satish Deshpande (w.e.f. 03.09.2009)  
Professor H. Ramchandra (upto 26.03.2010)  
Professor Apurvanand (w.e.f. 27.03.2010)

## **SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES**

*University Representative*

Professor H.B. Singh (w.e.f. 25.11.2009)  
Professor A.K. Verma  
Professor V.K. Verma

## **SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES**

*University Representative*

Professor Jawahar Lal (upto 31.12.2009)  
Professor Anand Prakash (w.e.f. 31.01.2010)  
Professor (Ms.) Rashmi Agarwal

## **SHIVAJI COLLEGE**

*University Representative*

Professor Jawahar Lal Kaul  
Professor M. Kidwai (upto 19.06.2009)  
Professor Debi Sarkar (w.e.f. 20.06.2009)

## **SHYAMA PRASAD MUKHERJI COLLEGE FOR WOMEN**

*University Representative*

Professor Sudhir Shah (upto 03.01.2010)  
Professor Kuljeet Shellie (w.e.f. 04.01.2010)  
Professor Bharati Baveja

## **SWAMI SHARDDHANAND COLLEGE**

*University Representative*

Professor S.C. Bhatla  
Professor Sanjay Jain (upto 02.07.2009)  
Professor R.C. Thakran (w.e.f. 03.07.2009)

## **VIVEKANAND COLLEGE**

*University Representative*

Professor Bharati Baveja  
Professor Uma Garg

## **PRIVATE TRUST COLLEGES**

### **AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY**

*University Representative*

Professor B.K. Thelma	(upto 05.11.2009)
Professor Udaya Kumar	(w.e.f. 06.11.2009)
Professor Amar Farooqi	(upto 28.11.2009)
Professor Ramphal Rana	(w.e.f. 29.11.2009)

### **DAULAT RAM COLLEGE**

*University Representative*

Professor Subramaniam Annapoorni	(upto 10.01.2010)
Professor Vijya Gupta	(w.e.f. 11.01.2010)
Professor (Ms.) Sreemati Chakrabarti	

### **HANS RAJ COLLEGE**

*University Representative*

Professor V.K. Bhasin
Professor A.K. Bakshi

### **HINDU COLLEGE**

*University Representative*

Professor B.L. Pandit	(upto 30.08.2009)
Professor Sunil Kanwar	(w.e.f. 31.08.2009)
Professor R.K. Agnihotri	
Professor R.K. Geetha	(w.e.f. 10.04.2009)

### **INDRAPRASTHA COLLEGE FOR WOMEN**

*University Representative*

Professor Vibhra Chaturvedi
Professor Ashwini Deshpande

## **JANKI DEVI MEMORIAL COLLEGE**

### *University Representative*

Professor Achin Vanaik  
Professor Nirmalangshun Mukherjee (upto 29.03.2010)  
Professor Pami Dua (w.e.f. 30.3.2010)

## **LADY IRWIN COLLEGE**

### *University Representative*

Professor Meenakshi Thapan  
Professor Subramnaian Annapoorni

## **MATA SUNDRI COLLEGE FOR WOMEN**

### *University Representative*

Professor Anita Rampal (upto 08.12.2009)  
Professor Upinder Singh (w.e.f. 09.12.2009)  
Professor Tista Bagchi (upto 26.09.2009)  
Professor (Ms.) Subhadra Channa (w.e.f. 27.09.2009)

## **RAMJAS COLLEGE**

### *University Representative*

Professor M. Kidwai  
Professor Ashum Gupta (w.e.f. 31.01.2010)  
Professor M.M. Agarwal

## **SHRI RAM COLLEGE OF COMMERCE**

### *University Representative*

Professor Vivek Suneja  
Professor J.K.Mitra (upto 15.10.2009)  
Professor I.M. Pande (w.e.f. 16.10.2009)

## **SHYAM LAL COLLEGE**

### *University Representative*

Professor Meenakshi Thapan	(upto 19.05.2009)
Professor I.M. Pande	(w.e.f. 20.05.2009)
Professor P.B. Nayak	(upto 10.11.2009)
Professor Keshawan Veluthat	(w.e.f. 11.11.2009)

## **SRI GURU GOBIND SINGH COLLEGE OF COMMERCE**

### *University Representative*

Professor Jawaharlal	(upto 31.12.2009)
Professor V.K. Bhasin	(w.e.f. 31.01.2010)
Professor Aditya Bhattacharya	

## **SRI GURU TEGH BAHADHUR KHALSA COLLEGE**

### *University Representative*

Professor Farhat Hassan	
Professor A.K. Singh	(upto 19.02.2010)

## **SRI GURU NANAK DEV KHALSA COLLEGE**

### *University Representative*

Professor Amar Farooqi	(upto 15.02.2010)
Professor S.R. Mittal	(w.e.f. 16.02.2010)
Professor J.P. Sharma	(upto 15.02.2010)
Professor Bhanumurthy	(w.e.f. 16.02.2010)

## **ST. STEPHEN'S COLLEGE**

### *University Representative*

Professor B.P. Sahoo	
Professor Shobit Mahajan	(upto 04.01.2010)
Professor T.C.A. Anant	(w.e.f. 05.01.2010)

## **ZAKIR HUSAIN COLLEGE**

### *University Representative*

Professor A.K. Bakshi	(upto 19.09.2009)
Professor Madan Mohan	(w.e.f. 20.09.2009)
Professor Upinder Singh	(upto 10.12.2009)
Professor Anita Rampal	(w.e.f. 11.12.2009)

## **SCHOOL OF REHABILITATION SCIENCES**

### *University Representative*

Professor Ram Prakash	(upto 24.09.2009)
Professor R.K. Agnihotri	(w.e.f. 25.09.2009)
Professor Krishna Maitra	(upto 24.09.2009)
Professor Anita Rampal	(w.e.f. 25.09.2009)

## **GOVERNMENT MAINTAINED COLLEGES**

### **COLLEGE OF ART**

### *University Representative*

Professor H.S. Prasad	
Professor M.M. Agarwal	(upto 07.08.2009)

## **DELHI COLLEGE OF ENGINEERING**

### *University Representative*

Professor V.S. Parmar	(upto 26.03.2010)
Professor Mihir Deb	(upto 13.12.2009)

## **LADY HARDINGE MEDICAL COLLEGE**

### *University Representative*

Professor J.S. Virdi	
Professor B.K. Thelma	(upto 24.11.2009)
Professor Sheela Srivastva	(w.e.f. 25.11.2009)

## **MAULANA AZAD MEDICAL COLLEGE**

### *University Representative*

Professor Akhilesh Kumar Tyagi (upto 26.09.2009)  
Professor Madan Mohan (upto 15.10.2009)

## **NETAJI SUBHASH INSTITUTE OF TECHNOLOGY**

### *University Representative*

Professor J.P. Srivastava  
Professor A.K. Verma

## **RAJKUMARI AMRIT KAUR COLLEGE OF NURSING**

### *University Representative*

Professor R.C. Kuhad (upto 09.04.2009)  
Professor Daman Saluja (w.e.f. 10.04.2009)  
Professor A.K. Bhatnagar (upto 26.03.2010)  
Professor R.C. Kuhad (w.e.f. 27.03.2010)

## **DURGABAI DESHMUKH COLLEGE OF SPECIAL EDUCATION**

### *University Representative*

Professor Ashum Gupta  
Professor Krishna Maita (upto 27.08.2009)  
Professor Poonam Batra (w.e.f. 24.09.2009)

## **INSTITUTE OF ECONOMICS GROWTH**

### *University Representative*

Professor Meenakshi Thapan (upto 14.05.2009)  
Professor Rajni Palriwala (w.e.f. 15.05.2009)  
Professor P.B. Nayak (upto 01.11.2009)  
Professor Sunil Kanwal (w.e.f. 02.11.2009)

# UNIVERSITY MAINTAINED HOSTEL

## AMBEDKAR-GANGULY STUDENTS' HOUSE FOR WOMEN

Professor Pulin B. Nayak	Chairman
Professor Rama Mathew	E.C. Nominee
Professor Upinder Singh	E.C. Nominee
Professor Hira Gangnegi	SC/ST Representative

## DEPARTMENT OF EDUCATION

*Nominated by the Executive Council*

Professor Ashok Vohra	E.C. Nominee
Professor M.M. Agarwal	E.C. Nominee

## DEPARTMENT OF SOCIAL WORK

*Nominated by the Executive Council*

Professor Pammi Dua	E.C. Nominee
Professor B.K. Thelma	E.C. Nominee

## D.S. KOTHARI HOSTEL

Professor Surinder Nath	Chairman
Professor S.C. Arora	E.C. Nominee
Professor K.L. Baluja	E.C. Nominee
Professor A.K. Singh	E.C. Nominee
Professor Sunil Kumar	E.C. Nominee

## GWYER HALL

Professor Mihir Deb	Chairman	
Professor Aruna Bhardwaj	E.C. Nominee	(upto 07.04.2009)
Professor Satish Deshpande	E.C. Nominee	
Professor Alok Rai	E.C. Nominee	
Professor N.K. Chadha	E.C. Nominee	(upto 20.12.2009)
Professor Mahesh Rangarajan	E.C. Nominee	



## **INTERNATIONAL STUDENTS' HOUSE**

Professor S.C. Panda	Chairman
Professor Surinder Nath	E.C. Nominee
Professor (Ms.) Malashri Lal	E.C. Nominee
Professor Shashwati Mazumdar	E.C. Nominee
Professor Surinder Nath	E.C. Nominee
Professor M.M. Agarwal	E.C. Nominee
Professor Pami Dua	E.C. Nominee

## **INTERNATIONAL STUDENTS' HOUSE FOR WOMEN**

Professor (Ms.) Shormistha Panja	Chairperson
Professor Nandita Basu	E.C. Nominee
Professor M. Kidwai	E.C. Nominee
Professor Ashum Gupta	E.C. Nominee
Professor Tulsi Patel	E.C. Nominee
Professor V.K. Bhasin	E.C. Nominee

## **JUBILEE HALL**

Professor H. Ramachandra	Chairman
Professor Pradeep K. Dutta	E.C. Nominee
Professor G.L. Bhalla	E.C. Nominee
Professor S.C. Raina	E.C. Nominee
Professor R.K. Gautam	E.C. Nominee

## **MANSAROWAR HOSTEL**

Professor K. Mamokottam	Chairman
Professor Aditya Bhattacharya	E.C. Nominee
Professor S.C. Panda	E.C. Nominee
Professor Surender Nath	E.C. Nominee
Professor A.K. Bhatnagar	E.C. Nominee
Professor Sreemati Chakrabarti	E.C. Nominee

## **MEGHDOOT HOSTEL**

Professor Bharati Baveja	Chairperson
Professor Shashwati Mazumdar	E.C. Nominee
Professor Tulsi Patel	E.C. Nominee
Professor Sunita Dhar	E.C. Nominee
Professor M.M. Chaturvedi	E.C. Nominee

## **NORTH EASTERN STUDENTS' HOUSE FOR WOMEN**

Professor Vibha Chaturvedi	Chairperson
Professor Shobit Mahajan	E.C. Nominee
Professor Anita Rampal	E.C. Nominee
Professor Tista Bagchi	E.C. Nominee
Professor Najma Praveen	E.C. Nominee

## **P.G. MEN'S HOSTEL**

Professor B.P. Sahu	Chairman
Professor J.P. Srivastava	E.C. Nominee
Professor Sudhish Pachauri	E.C. Nominee
Professor K. Sreenivas	E.C. Nominee
Professor A.K. Bhatnagar	E.C. Nominee

## **UNIVERSITY HOSTEL FOR WOMEN**

Professor Malashri Lal	Chairperson
Professor (Ms.) Sreemati Chakrabarti	E.C. Nominee
Professor Aruna Bhardwaj	E.C. Nominee
Professor Ajay Tiwari	E.C. Nominee
Professor Vibha Maurya	E.C. Nominee
Professor Bharati Baveja	E.C. Nominee

## **V.K.R.V. RAO HOSTEL**

Professor B.L. Pandit	Chairman
Professor K. Mamkootam	E.C. Nominee
Professor Tulsi Patel	E.C. Nominee
Professor Sunita S. Sengupta	E.C. Nominee
Professor Sudhir Shah	E.C. Nominee

## **W.U.S. WORKING WOMEN'S HOSTEL**

Professor Bharti Baveja	Chairperson
Professor Tista Bagchi	E.C. Nominee
Professor Sreemati Chakrabarti	E.C. Nominee

# **UNIVERSITY REPRESENTATIVES ON THE GOVERNING BODIES OF THE COLLEGES**

## **SOUTH CAMPUS**

### **ATMA RAM SANATAN DHARMA COLLEGE**

Professor R.P. Tandon  
Professor Anil Tyagi

### **DELHI COLLEGE OF ARTS & COMMERCE**

Professor V.K. Kaul  
Professor I.M. Pandey  
Professor Sudhir Shah

(w.e.f. 17.12.2009)

### **GARGI COLLEGE**

Professor Sheela Srivastava  
Professor V.K. Kaul  
Professor Rani Gupta

### **INSTITUTE OF HOME ECONOMICS**

Professor M. Kidwai  
Professor Ashok Prasad  
Professor Rani Gupta

### **JESUS & MARY COLLEGE**

Professor Tulsi Patel  
Professor Rohini Somanathan

### **KAMALA NEHRU COLLEGE**

Professor Ajay Kumar  
Professor Venkat Subramanian

### **LADY SHRI RAM COLLEGE FOR WOMEN**

Professor Achin Vanaik  
Professor Harish Trivedi  
Professor N.K. Chadha

## **MAITREYI COLLEGE**

Professor Enakshi Sharma  
Professor T. Satyanarayana

## **MOTILAL NEHRU COLLEGE**

Professor Madan Mohan  
Professor Shashi Prabha Singh

## **P.G.D.A.V. COLLEGE**

Professor M.K. Pandit  
Professor Ashok Vohra  
Professor J.P. Sharma

## **SHAHEED BHAGAT SINGH COLLEGE**

Professor Madan Mohan  
Professor J.P. Khurana  
Professor N.K. Chadha

## **SRI AUROBINDO COLLEGE**

Professor Enakshi Sharma  
Professor M. Kidwai (upto 04.09.2009)  
Professor M.C. Aggarwal  
Professor Ashok Prasad (w.e.f. 25.09.2009)

## **SRI VENKATESWARA COLLEGE**

Professor Akshay Pradhan  
Professor H.B. Singh (w.e.f. 15.05.2009)  
Professor K. Murlidhar  
Professor B.K. Thelma (w.e.f. 01.02.2010)

## **ACHARYA NARENDRA DEV COLLEGE**

Professor Anil Tyagi  
Professor Avinashi Kapoor

# STATISTICS

**Statement showing the Number of Under-graduate and Post-graduate Students on  
Rolls in various Colleges and Departments during the Academic Session 2009-10**

**COLLEGES**

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
A & U Tibbia College	124	270	394	2	3	5	399
A.R.S.D. College	1492	1080	2572	46	60	106	2678
Acharya Narendra Dev College	716	520	1236	18	14	32	1268
Bharati College (W)	0	1560	1560	0	17	17	1577
Bhim Rao Ambedkar College	775	1018	1793	0	0	0	1793
Shaheed Rajguru College of Applied Scs. (W)	0	354	354	0	0	0	354
College of Art	274	304	578	64	54	118	696
Shaheed Sukhdev College of Business Studies	341	287	628	16	9	25	653
Delhi Institute of Pharmaceutical Sc. & Research	249	227	476	48	47	95	571
College of Vocational Studies	947	716	1663	41	25	66	1729
Daulat Ram College (W)	120	2647	2767	0	229	229	2996
Deen Dayal Upadhyaya College	758	732	1490	14	10	24	1514
Delhi College of Arts & Commerce	860	372	1232	0	0	0	1232
Delhi College of Engineering	2051	304	2355	151	18	169	2524
Netaji Subhas Institute of Technology	1647	403	2050	83	29	112	2162
Deshbandhu College	1614	902	2516	34	18	52	2568
Dyal Singh College	1912	1375	3287	9	10	19	3306
Gargi College (W)	27	2464	2491	0	45	45	2536
Hans Raj College	1969	1674	3643	292	357	649	4292
Hindu College	1072	1025	2097	253	380	633	2730
Indira Gandhi Institute of Physical Edn. & Sports Scs.	171	60	231	84	49	133	364
Indraprastha College for Women	0	2073	2073	0	249	249	2322
Institute of Home Economics (W)	0	671	671	0	60	60	731

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Janki Devi Memorial College (W)	0	1792	1792	0	93	93	1885
Jesus & Mary College (W)	0	2363	2363	0	53	53	2416
Kalindi College (W)	0	1876	1876	0	19	19	1895
Kamala Nehru College (W)	0	1721	1721	0	74	74	1795
Kirori Mal College	1691	943	2634	225	201	426	3060
Lady Hardinge Medical College (W)	0	705	705	105	104	209	914
Lady Irwin College (W)	0	724	724	0	295	295	1019
Lady Shri Ram College (W)	0	1973	1973	0	134	134	2107
Lakshmibai College (W)	0	2572	2572	0	28	28	2600
Maitreyi College (W)	0	1833	1833	11	57	68	1901
Mata Sundri College (W)	0	2805	2805	0	43	43	2848
Maulana Azad Medical College	691	362	1053	172	167	339	1392
Miranda House (W)	0	2507	2507	0	364	364	2871
Moti Lal Nehru College	1418	917	2335	43	23	66	2401
PGDAV College	1320	690	2010	25	28	53	2063
RAK College of Nursing (W)	0	198	198	2	40	42	240
Rajdhani College	1392	677	2069	33	17	50	2119
Ram Lal Aanand College	830	494	1324	5	10	15	1339
Ramjas College	1986	1051	3037	304	270	574	3611
SGTB Khalsa College	1463	1074	2537	51	68	119	2656
Satyawati College	1508	584	2092	28	8	36	2128
Shaheed Bhagat Singh College	1337	543	1880	11	11	22	1902
Sherbutse College (Bhutan)	49	21	70	0	0	0	70
Shivaji College	1627	586	2213	34	4	38	2251
Shyam Lal College	937	781	1718	11	15	26	1744
Shyama Prasad Mukherji College (W)	0	2328	2328	0	130	130	2458
Sri Aurobindo College	1272	526	1798	5	6	11	1809

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Sri Guru Gobind Singh College of Commerce	852	838	1690	34	32	66	1756
Shri Ram College of Commerce	663	1004	1667	93	75	168	1835
Sri Venkateswara College	1092	1288	2380	72	105	177	2557
St. Stephen's College	706	872	1578	75	118	193	1771
Swami Shraddhanand College	1912	639	2551	10	4	14	2565
U.C.M.S. & G.T.B. Hospital	495	82	577	96	71	167	744
V.P. Chest Institute	0	0	0	20	12	32	32
Vivekananda College (W)	0	1395	1395	0	22	22	1417
Zakir Husain College	1360	837	2197	183	79	262	2459
Nehru Homoeopathic Medical College & Hospital	79	380	459	1	7	8	467
Bhagini Nivedita College (W)	0	783	783	0	0	0	783
Keshav Mahavidhyalaya	630	627	1257	22	11	33	1290
Aditi Mahavidhyalaya (W)	0	1441	1441	0	0	0	1441
Maharaja Agrasen Co-Ed. College	494	718	1212	0	0	0	1212
Maharishi Valmiki College of Education	0	0	0	80	78	158	158
Bhaskaracharya College of Applied Sciences	233	331	564	0	0	0	564
Sri Guru Nanak Dev Khalsa College	1111	567	1678	12	21	33	1711
<b>Total (Day) :</b>	<b>44267</b>	<b>65486</b>	<b>109753</b>	<b>2918</b>	<b>4580</b>	<b>7498</b>	<b>117251</b>
<b>Others (Inst.)</b>							
Ahilya Bai College of Nursing	0	104	104	0	0	0	104
Amar Jyoti Instt. of Physiotherapy	26	104	130	0	0	0	130
Pt. Deen Dayal Instt. for the Phy. Handicapped	135	317	452	0	0	0	452
School of Rehabilitation Sciences	0	0	0	3	21	24	24
Durga Bai Deshmukh College	0	0	0	16	17	33	33
<b>Total (Other Inst) :</b>	<b>161</b>	<b>525</b>	<b>686</b>	<b>19</b>	<b>38</b>	<b>57</b>	<b>743</b>



	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
<b><i>Evening Colleges</i></b>							
Deshbandhu College	981	411	1392	0	0	0	1392
Dyal Singh College	1170	422	1592	0	0	0	1592
Moti Lal Nehru College	1015	244	1259	0	0	0	1259
PGDAV College	853	414	1267	0	0	0	1267
Ram Lal Anand College	1063	272	1335	0	0	0	1335
Satyawati College	1088	255	1343	0	0	0	1343
Shaheed Bhagat Singh College	764	489	1253	0	0	0	1253
Shyam Lal College	983	302	1285	0	0	0	1285
Sri Aurobindo College	938	219	1157	0	0	0	1157
Zakir Husain Post-graduate College	996	112	1108	1	2	3	1111
<b>Total (Eve) :</b>	<b>9851</b>	<b>3140</b>	<b>12991</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>12994</b>
<b>Total (College):</b>	<b>54279</b>	<b>69151</b>	<b>123430</b>	<b>2938</b>	<b>4620</b>	<b>7558</b>	<b>130988</b>

**FACULTIES/DEPARTMENTS/RECOGNISED INSTITUTIONS**

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
<b>Departments</b>							
Arabic	278	62	340	27	2	29	369
Buddhist Studies	0	0	0	261	96	357	357
English	0	0	0	10	31	41	41
Hindi	7	11	18	199	212	411	429
Hindi (SDC)	0	0	0	60	27	87	87
Library & Information Science	0	0	0	65	74	139	139
Linguistics	0	0	0	43	71	114	114
Germanic & Romance Studies	239	207	446	63	121	184	630
MIL & Literary Studies	53	19	72	46	61	107	179
Persian	168	59	227	22	13	35	262
Philosophy	0	0	0	19	37	56	56
Philosophy (SDC)	0	0	0	8	3	11	11
Psychology	0	0	0	34	136	170	170
Psychology (SDC)	0	0	0	2	49	51	51
Punjabi	104	28	132	23	40	63	195
Sanskrit	15	6	21	143	114	257	278
Urdu	448	129	577	130	48	178	755
Business Economics (SDC)	0	0	0	93	92	185	185
Slavonic & Finno-Ugrian Studies	181	63	244	50	28	78	322
Adult Continuing Education & Extn.	0	0	0	19	7	26	26
African Studies	10	0	10	21	10	31	41
East Asian Studies	179	73	252	77	67	144	396
Economics	0	0	0	109	131	240	240
Geography	0	0	0	91	74	165	165

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
<b>Departments</b>							
History	0	0	0	40	50	90	90
History (SDC)	0	0	0	21	29	50	50
Political Science	0	0	0	63	66	129	129
Social Work	0	0	0	45	122	167	167
Sociology	0	0	0	58	123	181	181
Computer Science	0	0	0	110	112	222	222
Mathematics	0	0	0	44	62	106	106
Operational Research	0	0	0	29	36	65	65
Statistics	0	0	0	12	23	35	35
Operational Research (SDC)	0	0	0	21	12	33	33
Faculty of Science	0	0	0	8	17	25	25
Anthropology	0	0	0	48	76	124	124
Botany	0	0	0	34	60	94	94
Chemistry	0	0	0	94	117	211	211
Geology	0	0	0	30	16	46	46
Home Science	0	0	0	0	54	54	54
Pharmacy	0	0	0	19	6	25	25
Physics	0	0	0	96	73	169	169
Zoology	0	0	0	36	49	85	85
Dr. B.R. Ambedkar Centre for Bio-Medical Research	0	0	0	39	64	103	103
School of Environmental Studies	0	0	0	45	50	95	95
Environmental Biology	0	0	0	4	11	15	15
Bio-Chemistry (SDC)	0	0	0	18	31	49	49
Bio-Tech. (SDC)	0	0	0	0	6	6	6
Electronic Science (SDC)	0	0	0	71	46	117	117
Genetics (SDC)	0	0	0	23	40	63	63
Microbiology (SDC)	0	0	0	19	42	61	61

	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Plant Molecular Biology (SDC)	0	0	0	34	39	73	73
Bio-Physics (SDC)	0	0	0	2	1	3	3
Instt. of Informatic & Communication	0	0	0	34	45	79	79
Physical Education	0	0	0	6	4	10	10
Campus Law Centre	0	0	0	1084	471	1555	1555
Law Centre - I	0	0	0	1263	379	1642	1642
Law Centre - II	0	0	0	813	193	1006	1006
Faculty of Law	0	0	0	166	64	230	230
Faculty of Medical Sciences	0	0	0	249	64	313	313
Faculty of Music & Fine Arts	0	0	0	74	108	182	182
Faculty of Management Studies	0	0	0	724	172	896	896
Faculty of Technology	0	0	0	86	52	138	138
Faculty of Education	0	0	0	31	54	85	85
Education	0	0	0	99	234	333	333
Commerce	0	0	0	183	161	344	344
Financial Studies	0	0	0	61	39	100	100
Commerce (SDC)	0	0	0	18	46	64	64
<b>Total (Fac./Deptt./Centre):</b>	<b>1682</b>	<b>657</b>	<b>2339</b>	<b>7569</b>	<b>5063</b>	<b>12632</b>	<b>14971</b>
<b>Total (Regular) :</b>	<b>55961</b>	<b>69808</b>	<b>125769</b>	<b>10507</b>	<b>9683</b>	<b>20190</b>	<b>145959</b>

	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
<b><i>Non-Formal Cell</i></b>							
External Candidates' Cell	3693	3923	7616	0	0	0	7616
Non-Collegiate Womens' Education Board	0	10963	10963	0	337	337	11300
School of Open Learning	113550	102236	215786	541	1142	1683	217469
<b>Total (Non-Formal) :</b>	<b>117243</b>	<b>117122</b>	<b>234365</b>	<b>541</b>	<b>1479</b>	<b>2020</b>	<b>236385</b>
<b>Grand Total :</b>	<b>173204</b>	<b>186930</b>	<b>360134</b>	<b>11048</b>	<b>11162</b>	<b>22210</b>	<b>382344</b>

**Statement showing the Number of Under-Graduate and Post-Graduate Faculty-wise Distribution of Students during the Academic Session 2009-10**

**UNDER-GRADUATE**

Faculty	Regular						Non-Formal						Total
	Day		Eve. and Part-Time		Certificate/Diploma		NCWEB		Corr. Course		ECC		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Arts	10335	22274	4795	1544	2213	1856	0	6698	58278	65686	2721	3398	179798
Ayur. & Unani-Medicine	124	270	0	0	0	0	0	0	0	0	0	0	394
Homoeopathic Medicine	79	380	0	0	0	0	0	0	0	0	0	0	459
Inter-Disciplinary	904	1271	0	0	0	0	0	0	0	0	0	0	2175
Mathematical Sc.	2525	3603	38	17	0	0	0	0	0	0	0	0	6183
Medical Sc.	1186	1149	0	0	0	0	0	0	0	0	0	0	2335
Music & Fine Arts	300	375	0	0	5	6	0	0	0	0	0	0	686
Science	7811	9828	0	0	136	77	0	0	0	0	0	0	17852
Social Science	5232	9730	1138	280	197	85	0	0	2957	2970	0	0	22589
App.Soc.Sc.& Humanities	802	948	82	35	216	198	0	0	0	0	0	0	2281
Commerce & Business	10347	12886	3798	1264	0	0	0	4265	52315	33580	972	525	119952
Technology	3343	702	355	5	0	0	0	0	0	0	0	0	4405
Education	0	1025	0	0	0	0	0	0	0	0	0	0	1025
<b>Grand Total :</b>	<b>42988</b>	<b>64441</b>	<b>10206</b>	<b>3145</b>	<b>2767</b>	<b>2222</b>	<b>0</b>	<b>10963</b>	<b>113550</b>	<b>102236</b>	<b>3693</b>	<b>3923</b>	<b>360134</b>

**POST-GRADUATE**

Faculty	Regular						Non-Formal						Total
	Day		Eve. and Part-Time		Certificate/ Diploma		NCWEB		Corr. Course		E.C.C.		
	M	F	M	F	M	F	M	F	M	F	M	F	
Arts	1471	2190	40	24	220	133	0	184	101	348	0	0	4711
Ayur. & Unani-Medicine	2	3	0	0	0	0	0	0	0	0	0	0	5
Inter-Disciplinary	291	303	0	0	11	19	0	0	0	0	0	0	624
Mathematical Sc.	393	779	0	0	62	40	0	117	0	0	0	0	1391
Medical Sc.	544	341	0	0	98	77	0	0	0	0	0	0	1060
Homoeopathic Medicine	1	7	0	0	0	0	0	0	0	0	0	0	8
Music & Fine Arts	147	194	0	0	20	20	0	0	0	0	0	0	381
Science	971	1621	0	0	33	87	0	0	0	0	0	0	2712
Social Science	946	1236	0	0	87	46	0	36	178	389	0	0	2918
App.Soc.Sc.& Humanities	116	103	0	0	65	42	0	0	0	0	0	0	326
Commerce & Business	393	456	0	0	0	0	0	0	262	405	0	0	1516
Technology	241	79	79	20	0	0	0	0	0	0	0	0	419
Education	201	548	25	36	0	0	0	0	0	0	0	0	810
Law	1176	516	2150	591	0	0	0	0	0	0	0	0	4433
Management	336	114	388	58	0	0	0	0	0	0	0	0	896
<b>Grand Total :</b>	<b>7229</b>	<b>8490</b>	<b>2682</b>	<b>729</b>	<b>596</b>	<b>464</b>	<b>0</b>	<b>337</b>	<b>541</b>	<b>1142</b>	<b>0</b>	<b>0</b>	<b>22210</b>

**Statement showing the Faculty-wise distribution of Ph.D. Enrolment during the  
Academic Session 2009-10**

		Male	Female	Total
<b>Faculty of Arts</b>				
<b>Departments</b>				
S-11	Arabic	22	1	23
	Buddhist Studies	102	29	131
	English	3	11	14
	Hindi	155	185	340
	Library & Information Science	22	12	34
	Linguistics	15	24	39
	Germanic & Romance Studies	4	7	11
	MIL & Literary Studies	26	34	60
	Persian	16	11	27
	Philosophy	16	24	40
	Psychology	34	136	170
	Punjabi	22	33	55
	Sanskrit	127	106	233
	Urdu	63	20	83
	<b>Sub Total :</b>		<b>627</b>	<b>633</b>



Faculty	Male	Female	Total
<b>Faculty of Applied Social Sciences &amp; Humanities</b>			
<b>Departments</b>			
Business Economics	25	43	68
Slavonic & Finno-Ugrian Studies	3	1	4
<b>Sub Total :</b>	<b>28</b>	<b>44</b>	<b>72</b>
<b>Faculty of Commerce &amp; Business</b>			
<b>Departments</b>			
Commerce	13	35	48
Financial Studies	8	13	21
<b>Sub Total :</b>	<b>21</b>	<b>48</b>	<b>69</b>
<b>Faculty of Education</b>			
<b>Department</b>			
Education	31	54	85
<b>Sub Total :</b>	<b>31</b>	<b>54</b>	<b>85</b>
<b>Faculty of Inter-disciplinary &amp; Applied Sciences</b>			
<b>Departments</b>			
Bio-Chemistry (SDC)	15	17	32
Electronic Science (SDC)	19	20	39
Genetics (SDC)	13	24	37
Microbiology (SDC)	16	25	41
Plant Molecular Biology (SDC)	23	22	45
Bio-Physics (SDC)	2	1	3
Physical Education (SDC)	6	4	10
<b>Sub Total :</b>	<b>94</b>	<b>113</b>	<b>207</b>

Faculty	Male	Female	Total
<b>Faculty of Law</b>			
<i>Department</i>			
Law	28	15	43
<b>Sub Total :</b>	<b>28</b>	<b>15</b>	<b>43</b>
<b>Faculty of Mathematical Sciences</b>			
<i>Departments</i>			
Computer Science	11	30	41
Mathematics	36	50	86
Operational Research	24	22	46
Statistics	11	15	26
<b>Sub Total :</b>	<b>82</b>	<b>117</b>	<b>199</b>
<b>Faculty of Management Studies</b>			
<i>Department</i>			
Business Management and Industrial Administration	51	33	84
<b>Sub Total :</b>	<b>51</b>	<b>33</b>	<b>84</b>

Faculty	Male	Female	Total
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**Faculty of Medical Sciences**

Faculty of Medical Sciences	20	15	35
<b>Sub Total :</b>	<b>20</b>	<b>15</b>	<b>35</b>

**Faculty of Music & Fine Arts**

***Department***

Music	47	73	120
<b>Sub Total :</b>	<b>47</b>	<b>73</b>	<b>120</b>

**Faculty of Science**

***Departments***

Anthropology	25	46	71
Botany	28	49	77
Chemistry	72	105	177
Geology	30	16	46
Home Science	0	54	54
Pharmacy	19	6	25
Physics	82	61	143
Zoology	33	42	75
Dr. B.R. Ambedkar Centre for Bio-Medical	18	23	41
School of Environmental Studies	10	14	24
Environmental Biology	2	2	4
<b>Sub Total :</b>	<b>319</b>	<b>418</b>	<b>737</b>

Faculty	Male	Female	Total
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**Faculty of Social Sciences**

***Departments***

Adult Contd. Ed. & Ex	3	2	5
African Studies	18	7	25
East Asian Studies	3	4	7
Economics	5	16	21
Geography	19	25	44
History	29	36	65
Political Science	51	51	102
Social Work	5	21	26
Sociology	18	15	33

**Sub Total :** 151 177 328

**Faculty of Technology**

Faculty of Technology	86	52	138
<b>Sub Total :</b>	<b>86</b>	<b>52</b>	<b>138</b>

**Grand Total :** 1585 1792 3377

**Statement showing the Faculty-wise distribution of M.Phil. Enrolment during the  
Academic Session 2009-10**

	Male	Female	Total
<b>Faculty of Arts</b>			
<b>Departments</b>			
Arabic	5	1	6
Buddhist Studies	5	14	19
English	7	20	27
Hindi	20	4	24
Library & Information Science	8	5	13
Linguistics	5	7	12
Germanic & Romance Studies	4	6	10
MIL & Literary Studies	1	6	7
Persian	3	0	3
Philosophy	3	13	16
Punjabi	1	7	8
Sanskrit	16	8	24
Urdu	20	5	25
<b>Sub Total :</b>	<b>98</b>	<b>96</b>	<b>194</b>
<b>Faculty of Applied Social Science &amp; Humanities</b>			
<b>Departments</b>			
Business Economics (SDC)	1	5	6
Slavonic & Finno-Ugrian Studies	4	2	6
<b>Sub Total :</b>	<b>5</b>	<b>7</b>	<b>12</b>

Faculty	Male	Female	Total
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**Faculty of Commerce & Business**

**Department**

Commerce	6	17	23
<b>Sub Total :</b>	<b>6</b>	<b>17</b>	<b>23</b>

**Faculty of Education**

**Department**

Education	4	10	14
<b>Sub Total :</b>	<b>4</b>	<b>10</b>	<b>14</b>

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**Faculty of Inter-disciplinary & Appiled Sciences**

**Departments**

F.Inter Dis. (Bio-Tech. )	0	6	6
Genetics (SDC)	0	3	3
Plant Molecular Biology (SDC)	1	4	5
<b>Sub Total :</b>	<b>1</b>	<b>13</b>	<b>14</b>

**Faculty of Mathematical Sciences**

**Departments**

Mathematics	8	12	20
Operational Research	5	14	19
Statistics	1	8	9
<b>Sub Total :</b>	<b>14</b>	<b>34</b>	<b>48</b>

Faculty	Male	Female	Total
<b>Faculty of Music &amp; Fine Arts</b>			
<b><i>Department</i></b>			
Music	10	19	29
<b>Sub Total :</b>	<b>10</b>	<b>19</b>	<b>29</b>
<b>Faculty of Science</b>			
<b><i>Departments</i></b>			
Anthropology	4	14	18
Botany	6	11	17
Geology	0	0	0
Zoology	3	7	10
<b>Sub Total :</b>	<b>13</b>	<b>32</b>	<b>45</b>
<b>Faculty of Social Sciences</b>			
<b><i>Departments</i></b>			
African Studies	3	3	6
East Asian Studies	6	4	10
Economics	1	3	4
Geography	7	5	12
History	11	14	25
Political Science	12	15	27
Social Work	2	8	10
Sociology	4	18	22
<b>Sub Total :</b>	<b>46</b>	<b>70</b>	<b>116</b>
<b>Grand Total :</b>	<b>197</b>	<b>298</b>	<b>495</b>

**Statement showing the Course-wise distribution of Under-graduate Students (Regular) on Rolls  
during the Academic Session 2009-10**

**Under-graduate (Regular)**

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.A. Prog. (Day)	2762	4790	7552	2014	3822	5836	1607	3668	5275	0	0	0	0	0	0	6383	12280	18663
B.A. Prog. (Eve.)	1861	452	2313	1114	357	1471	1056	338	1394	0	0	0	0	0	0	4031	1147	5178
B.A. (Voc. Studies)	259	186	445	160	168	328	151	138	289	0	0	0	0	0	0	570	492	1062
B.A. (Hons.) (Day)	4614	8480	13094	2510	6176	8686	2277	6177	8454	0	0	0	0	0	0	9401	20833	30234
B.A. (Hons.) (Eve.)	1078	347	1425	492	186	678	429	192	621	0	0	0	0	0	0	1999	725	2724
B.Com. (Hons.) (Day)	2325	2840	5165	1553	2255	3808	1354	2081	3435	0	0	0	0	0	0	5232	7176	12408
B.Com. (Hons.) (Eve.)	539	158	697	185	71	256	257	97	354	0	0	0	0	0	0	981	326	1307
B.Com. (Day)	2071	2216	4287	1606	1805	3411	1438	1689	3127	0	0	0	0	0	0	5115	5710	10825
B.Com. (Eve.)	1212	396	1608	770	245	1015	835	297	1132	0	0	0	0	0	0	2817	938	3755
B.B.S.	140	113	253	77	87	164	86	74	160	0	0	0	0	0	0	303	274	577
B.F.I.A.	34	22	56	22	18	40	24	15	39	0	0	0	0	0	0	80	55	135
B.M.M.M.C.	0	48	48	0	39	39	0	28	28	0	0	0	0	0	0	0	115	115
B.Sc. Physical Scs.	953	555	1508	388	287	675	310	262	572	0	0	0	0	0	0	1651	1104	2755
B.Sc. Life Sciences	371	584	955	220	405	625	183	378	561	0	0	0	0	0	0	774	1367	2141
B.Sc. Appl. Phy. Scs.	711	331	1042	315	260	575	252	209	461	0	0	0	0	0	0	1278	800	2078
B.Sc. Appl. Life. Scs.	35	91	126	18	55	73	27	50	77	0	0	0	0	0	0	80	196	276
B.Sc. (G) Math. Scs.	61	39	100	47	35	82	42	39	81	0	0	0	0	0	0	150	113	263
B.Sc. (Home Science)	0	317	317	0	291	291	0	219	219	0	0	0	0	0	0	0	827	827
B.Sc. (Phy. Edn. & H.N.)	62	31	93	65	14	79	44	15	59	0	0	0	0	0	0	171	60	231



Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.El.Ed.	0	375	375	0	241	241	0	215	215	0	194	194	0	0	0	0	1025	1025
B.Sc. (Hons.) (Day)	4025	4250	8275	1322	2106	3428	1121	1910	3031	0	69	69	0	0	0	6468	8335	14803
B.P.O.	7	7	14	5	8	13	4	12	16	9	10	19	5	14	19	30	51	81
B.O.T.	9	43	52	6	26	32	4	31	35	12	22	34	9	21	30	40	143	183
B.P.T.	24	59	83	17	52	69	13	43	56	18	38	56	19	35	54	91	227	318
B.Applied Sc. (H)	53	140	193	13	91	104	14	82	96	0	0	0	0	0	0	80	313	393
B.Pharma.	31	38	69	26	42	68	28	37	65	28	33	61	0	0	0	113	150	263
B.Sc. (MTR)	8	7	15	4	10	14	2	3	5	0	0	0	0	0	0	14	20	34
B.F.A.	99	93	192	58	74	132	66	73	139	46	58	104	0	0	0	269	298	567
B.A.M.S.	13	27	40	6	29	35	15	27	42	13	26	39	12	27	39	59	136	195
B.U.M.S.	12	28	40	9	32	41	13	27	40	15	24	39	16	23	39	65	134	199
B.H.M.S.	19	75	94	11	82	93	17	77	94	15	77	92	17	69	86	79	380	459
M.B.B.S.	225	259	484	205	216	421	205	212	417	249	166	415	219	189	408	1103	1042	2145
B.D.S.	11	20	31	12	17	29	21	16	37	10	28	38	15	6	21	69	87	156
B.E.	411	124	535	961	209	1170	967	201	1168	1004	168	1172	0	0	0	3343	702	4045
B.E.(Tech) PT	0	0	0	118	2	120	119	1	120	118	2	120	0	0	0	355	5	360
Other Cert./Diploma	2690	2154	4844	77	68	145	0	0	0	0	0	0	0	0	0	2767	2222	4989
<b>Total :</b>	<b>26725</b>	<b>29695</b>	<b>56420</b>	<b>14406</b>	<b>19881</b>	<b>34287</b>	<b>12981</b>	<b>18933</b>	<b>31914</b>	<b>1537</b>	<b>915</b>	<b>2452</b>	<b>312</b>	<b>384</b>	<b>696</b>	<b>55961</b>	<b>69808</b>	<b>125769</b>

**Statement showing the Course-wise distribution of Under-graduate Students on Rolls in S.O.L.,  
N.C.W.E.B. and E.C.C. (Non-formal) during the Academic Session 2009-10**

**Under-Graduate Students (Non-formal)**

School of Open Learning	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
	<b>Course</b>											
B.A. (Programme)	33779	32877	66656	15711	18952	34663	8072	11922	19994	57562	63751	121313
B.Com. (Hons.)	4184	2355	6539	1284	1073	2357	876	762	1638	6344	4190	10534
B.Com.	25270	13244	38514	12309	8961	21270	8392	7185	15577	45971	29390	75361
B.A. (Hons.) English	494	1002	1496	116	472	588	106	461	567	716	1935	2651
B.A. (Hons.) Political Sc.	1996	1780	3776	541	640	1181	420	550	970	2957	2970	5927
<b>Sub-Total :</b>	<b>65723</b>	<b>51258</b>	<b>116981</b>	<b>29961</b>	<b>30098</b>	<b>60059</b>	<b>17866</b>	<b>20880</b>	<b>38746</b>	<b>113550</b>	<b>102236</b>	<b>215786</b>

**Non-Collegiate Women's Education Board**

<b>Course</b>												
B.A. Programme	0	2198	2198	0	2173	2173	0	2327	2327	0	6698	6698
B.Com.	0	1455	1455	0	1329	1329	0	1481	1481	0	4265	4265
<b>Sub-Total :</b>	<b>0</b>	<b>3653</b>	<b>3653</b>	<b>0</b>	<b>3502</b>	<b>3502</b>	<b>0</b>	<b>3808</b>	<b>3808</b>	<b>0</b>	<b>10963</b>	<b>10963</b>

External Candidates Cell	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
<b>Course</b>												
B.A. Programme	0	0	0	0	0	0	2721	3398	6119	2721	3398	6119
B.Com.	0	0	0	0	0	0	972	525	1497	972	525	1497
<b>Sub-Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3693</b>	<b>3923</b>	<b>7616</b>	<b>3693</b>	<b>3923</b>	<b>7616</b>
<b>Grand-Total :</b>	<b>65723</b>	<b>54911</b>	<b>120634</b>	<b>29961</b>	<b>33600</b>	<b>63561</b>	<b>21559</b>	<b>28611</b>	<b>50170</b>	<b>117243</b>	<b>117122</b>	<b>234365</b>

**Statement showing the Course-wise distribution of Post-graduate (Regular) Students on Rolls during the Academic Session 2009-10**

Post Graduate (Regular)	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
<b>Course</b>												
Bachelor of Lib. and Information Sc. (B.Lib. Sc.)	26	28	54	0	0	0	0	0	0	26	28	54
Master of Lib. and Information Sc. (M.Lib. & I. Sc.)	9	29	38	0	0	0	0	0	0	9	29	38
Master of Arts (M.A. Day)	988	1580	2568	570	1115	1685	0	0	0	1558	2695	4253
Master of Arts (M.A. Eve.)	27	14	41	13	10	23	0	0	0	40	24	64
M.Com.	125	187	312	58	115	173	0	0	0	183	302	485
Master of Business Economics (M.B.E.)	41	20	61	26	24	50	0	0	0	67	44	111
Master of Financial & Control (M.F.C.)	31	11	42	22	15	37	0	0	0	53	26	79
Master of Human Resource & Org. Dev. (MHROD)	31	23	54	20	19	39	0	0	0	51	42	93
Master of International Business (MIB)	46	13	59	33	8	41	0	0	0	79	21	100
Master of Computer Applications (MCA)	27	18	45	26	8	34	21	9	30	74	35	109
M.Sc.	413	795	1208	302	599	901	0	0	0	715	1394	2109
M.Sc.(App. Sc.)	48	70	118	39	56	95	0	0	0	87	126	213
M. Pharma	21	29	50	27	18	45	0	0	0	48	47	95
M. Nursing	1	19	20	1	21	22	0	0	0	2	40	42
Master of Fine Arts (M.F.A.)	44	37	81	17	13	30	0	0	0	61	50	111
M.Tech. (Science)	24	21	45	20	20	40	0	0	0	44	41	85
M.Tech. (Mic. Elec.)	19	1	20	6	1	7	0	0	0	25	2	27
B.Ed.	144	414	558	0	0	0	0	0	0	144	414	558
B.Ed. (Special Education)	16	44	60	0	0	0	0	0	0	16	44	60
M. Ed. (Full-time)	6	26	32	0	0	0	0	0	0	6	26	32
M.Ed. (Part-time)	6	29	35	19	7	26	0	0	0	25	36	61
B.P. Ed.	43	25	68	0	0	0	0	0	0	43	25	68
M.P. Ed.	23	12	35	18	12	30	0	0	0	41	24	65
LL.B.	1647	455	2102	844	265	1109	669	323	992	3160	1043	4203
Master of Laws (LL.M. Two year)	40	13	53	21	8	29	0	0	0	61	21	82

Post Graduate (Regular)	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Master of Laws (LL.M. Three year)	33	11	44	18	4	22	23	4	27	74	19	93
Master of Comparative Laws (MCL Two year)	2	3	5	1	6	7	0	0	0	3	9	12
M.B.A. (Full-time Two year)	112	32	144	76	33	109	0	0	0	188	65	253
M.B.A. Mgt. of Service (Full-time)	58	6	64	39	10	49	0	0	0	97	16	113
M.B.A. (Part-time Three year)	133	19	152	106	14	120	99	6	105	338	39	377
M.B.A. (H.C.A. Three year)	22	6	28	18	6	24	10	7	17	50	19	69
M.Tech.(Full Time)	33	10	43	35	11	46	0	0	0	68	21	89
M.Tech.(Part Time)	3	2	5	6	2	8	6	4	10	15	8	23
M.E. (Full Time)	0	0	0	87	6	93	0	0	0	87	6	93
M.E. (Part Time)	0	0	0	29	7	36	33	5	38	62	12	74
M.Sc.(App. Physics) PT	0	0	0	1	0	1	1	0	1	2	0	2
MDS (M. in Dental Surg.)	5	4	9	4	4	8	5	3	8	14	11	25
MD (Ayurvedic Unani)	0	0	0	0	0	0	2	3	5	2	3	5
MD (Homoeopathic Med.)	1	3	4	0	4	4	0	0	0	1	7	8
Ph.D Combined	1585	1792	3377	0	0	0	0	0	0	1585	1792	3377
M.Phil	197	298	495	0	0	0	0	0	0	197	298	495
DM/MCH	25	0	25	25	0	25	25	0	25	75	0	75
Medical Degree	152	113	265	132	105	237	151	97	248	435	315	750
Medical Diploma	51	37	88	47	40	87	0	0	0	98	77	175
Other Cert./Dip.	381	315	696	117	72	189	0	0	0	498	387	885
<b>Total :</b>	<b>6639</b>	<b>6564</b>	<b>13203</b>	<b>2823</b>	<b>2658</b>	<b>5481</b>	<b>1045</b>	<b>461</b>	<b>1506</b>	<b>10507</b>	<b>9683</b>	<b>20190</b>

**Statement showing the Course-wise distribution of Post-graduate (Non-formal) Students on Rolls in S.O.L, N.C.W.E.B. and E.C.C. during the Academic Session 2009-10**

School of Open Learning	Previous Year			Final Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Course</b>									
M.A. (Hindi)	37	135	172	25	126	151	62	261	323
M.A. (Sanskrit)	27	53	80	12	34	46	39	87	126
M.A. (Political Science)	80	174	254	47	122	169	127	296	423
M.A. (History)	39	63	102	12	30	42	51	93	144
<b>Total (M.A.):</b>	<b>183</b>	<b>425</b>	<b>608</b>	<b>96</b>	<b>312</b>	<b>408</b>	<b>279</b>	<b>737</b>	<b>1016</b>
M.Com	220	279	499	42	126	168	262	405	667
<b>Sub-Total :</b>	<b>403</b>	<b>704</b>	<b>1107</b>	<b>138</b>	<b>438</b>	<b>576</b>	<b>541</b>	<b>1142</b>	<b>1683</b>
<b>Non-Collegiate Women's Education Board</b>									
M.A. (English)	0	68	68	0	20	20	0	88	88
M.A.(Philosophy)	0	1	1	0	0	0	0	1	1
M.A. (Hindi)	0	20	20	0	27	27	0	47	47
M.A. (Punjabi)	0	26	26	0	21	21	0	47	47
M.A. (Sanskrit)	0	1	1	0	0	0	0	1	1
M.A. (Political Science)	0	17	17	0	8	8	0	25	25
M.A. (History)	0	9	9	0	2	2	0	11	11
M.A. (Mathematics)	0	63	63	0	20	20	0	83	83
<b>Total (M.A.):</b>	<b>0</b>	<b>205</b>	<b>205</b>	<b>0</b>	<b>98</b>	<b>98</b>	<b>0</b>	<b>303</b>	<b>303</b>

Course	Previous Year			Final Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
M.Sc. (Mathematics)	0	25	25	0	9	9	0	34	34
<b>Sub-Total :</b>	<b>0</b>	<b>230</b>	<b>230</b>	<b>0</b>	<b>107</b>	<b>107</b>	<b>0</b>	<b>337</b>	<b>337</b>
<b>Grand-Total :</b>	<b>403</b>	<b>934</b>	<b>1337</b>	<b>138</b>	<b>545</b>	<b>683</b>	<b>541</b>	<b>1479</b>	<b>2020</b>

**Statement showing the Number of Students on Rolls in Under-graduate Certificate/Diploma Courses in the University Colleges/Departments during the Academic Session 2009-10**

Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>A. Department</b>									
<b><i>Diploma</i></b>									
Arabic	71	16	87	0	0	0	71	16	87
Assamese	1	0	1	0	0	0	1	0	1
Bengali	6	0	6	0	0	0	6	0	6
Gujrati	1	1	2	0	0	0	1	1	2
Hindi	2	3	5	0	0	0	2	3	5
Oriya	1	0	1	0	0	0	1	0	1
Punjabi	3	4	7	0	0	0	3	4	7
Persian	11	9	20	0	0	0	11	9	20
Sanskrit	7	3	10	0	0	0	7	3	10
Tamil	0	1	1	0	0	0	0	1	1
Telugu	1	0	1	0	0	0	1	0	1
Urdu	28	20	48	0	0	0	28	20	48
Portuguese	11	4	15	0	0	0	11	4	15
Chinese	17	6	23	0	0	0	17	6	23
Japanese	33	9	42	12	9	21	45	18	63
Korean	14	7	21	0	0	0	14	7	21
Swahili	3	0	3	0	0	0	3	0	3
Czech	1	0	1	0	0	0	1	0	1
Hungarian	3	0	3	0	0	0	3	0	3
Polish	5	4	9	0	0	0	5	4	9
Russian	12	12	24	0	0	0	12	12	24
Croatian	1	0	1	0	0	0	1	0	1
<b>Sub-Total :</b>	<b>232</b>	<b>99</b>	<b>331</b>	<b>12</b>	<b>9</b>	<b>21</b>	<b>244</b>	<b>108</b>	<b>352</b>



Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b><i>Advance Diploma</i></b>									
Arabic	46	7	53	0	0	0	46	7	53
French	19	16	35	0	0	0	19	16	35
Hindi	1	5	6	0	0	0	1	5	6
Italian	17	8	25	0	0	0	17	8	25
Persian	5	0	5	0	0	0	5	0	5
Urdu	37	22	59	0	0	0	37	22	59
Portuguese	15	4	19	0	0	0	15	4	19
Chinese	8	5	13	0	0	0	8	5	13
Japanese	18	12	30	0	0	0	18	12	30
Romanian	3	0	3	0	0	0	3	0	3
Korean	17	2	19	0	0	0	17	2	19
Czech	1	0	1	0	0	0	1	0	1
Hungarian	1	2	3	0	0	0	1	2	3
Polish	2	1	3	0	0	0	2	1	3
Russian	3	0	3	0	0	0	3	0	3
Croatian	1	0	1	0	0	0	1	0	1
<b>Sub-Total :</b>	<b>194</b>	<b>84</b>	<b>278</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>194</b>	<b>84</b>	<b>278</b>

Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b><i>Certificate course</i></b>									
Arabic	161	39	200	0	0	0	161	39	200
Assamese	5	0	5	0	0	0	5	0	5
Bengali	15	12	27	0	0	0	15	12	27
Gujrati	5	0	5	0	0	0	5	0	5
Hindi	4	3	7	0	0	0	4	3	7
Manipuri	2	0	2	0	0	0	2	0	2
Oriya	4	0	4	0	0	0	4	0	4
Punjabi	101	24	125	0	0	0	101	24	125
Persian	152	50	202	0	0	0	152	50	202
Sindhi	7	5	12	0	0	0	7	5	12
Sanskrit	8	3	11	0	0	0	8	3	11
Tamil	4	0	4	0	0	0	4	0	4
Telugu	1	0	1	0	0	0	1	0	1
Urdu	383	87	470	0	0	0	383	87	470
Portuguese	40	8	48	0	0	0	40	8	48
Romanian	3	0	3	0	0	0	3	0	3
Chinese	35	11	46	0	0	0	35	11	46
Korean	25	12	37	0	0	0	25	12	37
Swahili	7	0	7	0	0	0	7	0	7
Bulgarian	7	0	7	0	0	0	7	0	7
Czech	12	0	12	0	0	0	12	0	12

Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hungarian	10	3	13	0	0	0	10	3	13
Polish	32	3	35	0	0	0	32	3	35
Russian	84	37	121	0	0	0	84	37	121
Croatian	6	1	7	0	0	0	6	1	7
<b>Sub-Total :</b>	<b>1113</b>	<b>298</b>	<b>1411</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1113</b>	<b>298</b>	<b>1411</b>
<b>Total (Cert./Diploma/Course) :</b>	<b>1539</b>	<b>481</b>	<b>2020</b>	<b>12</b>	<b>9</b>	<b>21</b>	<b>1551</b>	<b>490</b>	<b>2041</b>

## B. Colleges

### *Diploma*

French	58	107	165	0	0	0	58	107	165
German	74	99	173	0	0	0	74	99	173
Italian	9	2	11	0	0	0	9	2	11
Spanish	36	59	95	0	0	0	36	59	95
Pharmacy	74	41	115	62	36	98	136	77	213
Fine Art	2	2	4	3	4	7	5	6	11
Business Journalism & Corporate Com.	14	30	44	0	0	0	14	30	44
Conflict Transformation & Peace Bldg.	0	17	17	0	19	19	0	36	36
<b>Sub-Total :</b>	<b>267</b>	<b>357</b>	<b>624</b>	<b>65</b>	<b>59</b>	<b>124</b>	<b>332</b>	<b>416</b>	<b>748</b>

Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b><i>Advance Diploma</i></b>									
French	34	81	115	0	0	0	34	81	115
German	42	90	132	0	0	0	42	90	132
Spanish	12	21	33	0	0	0	12	21	33
<b>Sub-Total :</b>	<b>88</b>	<b>192</b>	<b>280</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>192</b>	<b>280</b>
<b><i>Certificate course</i></b>									
French	296	486	782	0	0	0	296	486	782
German	322	346	668	0	0	0	322	346	668
Italian	17	9	26	0	0	0	17	9	26
Spanish	135	202	337	0	0	0	135	202	337
Chinese	5	12	17	0	0	0	5	12	17
Russian	21	69	90	0	0	0	21	69	90
<b>Sub-Total :</b>	<b>796</b>	<b>1124</b>	<b>1920</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>796</b>	<b>1124</b>	<b>1920</b>
<b>Total (Cert./Diploma/Course) :</b>	<b>1151</b>	<b>1673</b>	<b>2824</b>	<b>65</b>	<b>59</b>	<b>124</b>	<b>1216</b>	<b>1732</b>	<b>2948</b>
<b>Grand-Total (Cert./Diploma/Course) :</b>	<b>2690</b>	<b>2154</b>	<b>4844</b>	<b>77</b>	<b>68</b>	<b>145</b>	<b>2767</b>	<b>2222</b>	<b>4989</b>

**Statement showing the Number of Students on Rolls in Post-graduate Certificate/Diploma Courses  
in the Colleges/Departments during the Academic Session 2009-10**

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>A. Departments</b>									
<b><i>Diploma</i></b>									
Pali	14	3	17	0	0	0	14	3	17
Tibetan	2	2	4	0	0	0	2	2	4
Foreign Language Education	3	19	22	0	0	0	3	19	22
Sangeet Shiromani	11	3	14	6	13	19	17	16	33
<b>Sub-Total :</b>	<b>30</b>	<b>27</b>	<b>57</b>	<b>6</b>	<b>13</b>	<b>19</b>	<b>36</b>	<b>40</b>	<b>76</b>
<b><i>Intensive Advanced Diploma</i></b>									
Portuguese	17	5	22	0	0	0	17	5	22
Russian	25	17	42	0	0	0	25	17	42
Bulgarian	1	0	1	1	0	1	2	0	2
Chinese	16	9	25	0	0	0	16	9	25
Japanese	12	6	18	0	0	0	12	6	18
<b>Sub-Total :</b>	<b>71</b>	<b>37</b>	<b>108</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>72</b>	<b>37</b>	<b>109</b>
<b><i>Post M.A. Diploma</i></b>									
Linguistics	2	0	2	0	0	0	2	0	2
Mass Media	9	3	12	0	0	0	9	3	12
Urdu Paleography	2	0	2	0	0	0	2	0	2
Adult & Cont. Edu	16	5	21	0	0	0	16	5	21
<b>Sub-Total :</b>	<b>29</b>	<b>8</b>	<b>37</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>8</b>	<b>37</b>

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b><i>P.G. Diploma</i></b>									
Translation (English to Hindi)	24	23	47	0	0	0	24	23	47
Hindi Journalism	16	12	28	26	9	35	42	21	63
Medical Sc. -Other Instt.	28	10	38	22	16	38	50	26	76
<b>Sub-Total :</b>	<b>68</b>	<b>45</b>	<b>113</b>	<b>48</b>	<b>25</b>	<b>73</b>	<b>116</b>	<b>70</b>	<b>186</b>
<b><i>Certificate</i></b>									
Pali	18	8	26	0	0	0	18	8	26
Tibetan	1	1	2	0	0	0	1	1	2
Forensic Science	19	16	35	0	0	0	19	16	35
<b>Sub-Total :</b>	<b>38</b>	<b>25</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>25</b>	<b>63</b>
<b><i>Post-Intensive Advanced Diploma</i></b>									
Chinese	5	5	10	0	0	0	5	5	10
Japanese	9	6	15	0	0	0	9	6	15
<b>Sub-Total :</b>	<b>14</b>	<b>11</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>11</b>	<b>25</b>
<b><i>Post-Graduate Certificate</i></b>									
Hindi Journalism	18	6	24	0	0	0	18	6	24
<b>Sub-Total :</b>	<b>18</b>	<b>6</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>6</b>	<b>24</b>
<b>Total (Cert./Diploma/Course) :</b>	<b>268</b>	<b>159</b>	<b>427</b>	<b>55</b>	<b>38</b>	<b>93</b>	<b>323</b>	<b>197</b>	<b>520</b>

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total

## B. Colleges

### *Diploma*

Dietetics & Public Health Nut.	0	35	35	0	0	0	0	35	35
<b>Sub-Total :</b>	<b>0</b>	<b>35</b>	<b>35</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>35</b>

### *P.G. Diploma*

Fine Arts	1	1	2	2	3	5	3	4	7
International Marketing	29	15	44	0	0	0	29	15	44
Global Business Operation	37	18	55	28	24	52	65	42	107
Book Publishing	0	0	0	10	4	14	10	4	14
Tourism	14	12	26	17	9	26	31	21	52
Development Therapy	3	9	12	0	0	0	3	9	12
Special Education	0	12	12	0	0	0	0	12	12
Anaesthesiology (D.A.)	5	4	9	7	1	8	12	5	17
Dermat.& Venereology (DD)	0	2	2	0	1	1	0	3	3
Radio-Diagnosis (DMRD)	2	0	2	1	1	2	3	1	4
Obstt.& Gynaecology (DGO)	0	12	12	0	12	12	0	24	24
Ophthalmology (D.O.)	2	3	5	1	4	5	3	7	10
Otorhinolaryngology (DLO)	1	0	1	1	1	2	2	1	3
Tub.& Chest Diseases (DT)	6	4	10	8	2	10	14	6	20
Paediatrics (DCH)	7	2	9	7	2	9	14	4	18
Nano Technology	11	15	26	0	0	0	11	15	26

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Computer Applications	35	30	65	27	10	37	62	40	102
Bio-Chemical Tech.	8	14	22	0	0	0	8	14	22
Cosmetology (One year)	3	5	8	0	0	0	3	5	8
<b>Sub-Total (P.G. Diploma)</b>	<b>164</b>	<b>158</b>	<b>322</b>	<b>109</b>	<b>74</b>	<b>183</b>	<b>273</b>	<b>232</b>	<b>505</b>
<b>Total (Cert./Diploma/Course) :</b>	<b>164</b>	<b>193</b>	<b>357</b>	<b>109</b>	<b>74</b>	<b>183</b>	<b>273</b>	<b>267</b>	<b>540</b>
<b>Grand-Total (Cert./Diploma/Course) :</b>	<b>432</b>	<b>352</b>	<b>784</b>	<b>164</b>	<b>112</b>	<b>276</b>	<b>596</b>	<b>464</b>	<b>1060</b>



**Statement showing the College-wise and Subject-wise distribution of students during the Academic Session 2009-10**

**B.A. (Vocational Studies)**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
College of Vocational Studies	259	186	445	160	168	328	151	138	289	570	492	1062
<b>Total :</b>	<b>259</b>	<b>186</b>	<b>445</b>	<b>160</b>	<b>168</b>	<b>328</b>	<b>151</b>	<b>138</b>	<b>289</b>	<b>570</b>	<b>492</b>	<b>1062</b>

**B.A. Programme**

5-36

A.R.S.D. College	82	55	137	57	27	84	61	44	105	200	126	326
Bharati College (W)	0	165	165	0	138	138	0	123	123	0	426	426
Bhim Rao Ambedkar College	113	156	269	66	144	210	40	115	155	219	415	634
Daulat Ram College (W)	0	146	146	0	99	99	0	119	119	0	364	364
Deen Dayal Upadhyaya College	57	25	82	40	15	55	34	18	52	131	58	189
Delhi College of Arts & Commerce	91	38	129	83	32	115	61	40	101	235	110	345
Deshbandhu College	94	62	156	130	58	188	98	58	156	322	178	500
Dyal Singh College	152	67	219	113	47	160	112	58	170	377	172	549
Gargi College (W)	0	138	138	0	115	115	0	98	98	0	351	351
Hans Raj College	35	72	107	63	25	88	45	34	79	143	131	274
Hindu College	33	11	44	29	4	33	20	8	28	82	23	105
Indraprastha College for Women	0	166	166	0	128	128	0	147	147	0	441	441
Janki Devi Memorial College (W)	0	206	206	0	165	165	0	156	156	0	527	527
Jesus & Mary College (W)	0	295	295	0	257	257	0	249	249	0	801	801
Kalindi College (W)	0	238	238	0	148	148	0	116	116	0	502	502
Kamala Nehru College (W)	0	111	111	0	74	74	0	78	78	0	263	263

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Kirori Mal College	79	30	109	54	16	70	40	19	59	173	65	238
Lady Shri Ram College (W)	0	49	49	0	51	51	0	36	36	0	136	136
Lakshmibai College (W)	0	446	446	0	335	335	0	346	346	0	1127	1127
Maitreyi College (W)	0	154	154	0	101	101	0	94	94	0	349	349
Mata Sundri College (W)	0	199	199	0	207	207	0	167	167	0	573	573
Miranda House (W)	0	166	166	0	128	128	0	132	132	0	426	426
Moti Lal Nehru College	155	106	261	140	64	204	76	69	145	371	239	610
PGDAV College	135	40	175	80	36	116	65	30	95	280	106	386
Rajdhani College	119	45	164	83	38	121	91	34	125	293	117	410
Ram Lal Anand College	59	25	84	29	26	55	43	17	60	131	68	199
Ramjas College	85	21	106	84	35	119	66	43	109	235	99	334
SGTB Khalsa College	53	33	86	55	21	76	33	8	41	141	62	203
Satyawati College	272	37	309	120	52	172	113	42	155	505	131	636
Shaheed Bhagat Singh College	59	22	81	64	26	90	25	18	43	148	66	214
Shivaji College	122	24	146	115	10	125	67	10	77	304	44	348
Shyam Lal College	77	54	131	65	52	117	37	50	87	179	156	335
Shyama Prasad Mukherji College (W)	0	332	332	0	272	272	0	239	239	0	843	843
Sri Aurobindo College	213	56	269	137	70	207	99	26	125	449	152	601
Sri Venkateswara College	71	37	108	32	21	53	34	34	68	137	92	229
St. Stephen's College	28	32	60	39	21	60	39	20	59	106	73	179
Swami Shraddhanand College	280	41	321	135	40	175	150	20	170	565	101	666
Vivekananda College (W)	0	149	149	0	145	145	0	123	123	0	417	417
Zakir Husain College	131	87	218	105	60	165	79	70	149	315	217	532
Bhagini Nivedita College (W)	0	203	203	0	171	171	0	151	151	0	525	525
Aditi Mahavidhyalaya (W)	0	348	348	0	246	246	0	322	322	0	916	916
Maharaja Agrasen Co-Edn. College	57	80	137	38	67	105	31	62	93	126	209	335
Sri Guru Nanak Dev Khalsa College	110	23	133	58	35	93	48	25	73	216	83	299
<b>Total (Day):</b>	<b>2762</b>	<b>4790</b>	<b>7552</b>	<b>2014</b>	<b>3822</b>	<b>5836</b>	<b>1607</b>	<b>3668</b>	<b>5275</b>	<b>6383</b>	<b>12280</b>	<b>18663</b>

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Deshbandhu College (Eve.)	85	47	132	89	33	122	93	16	109	267	96	363
Dyal Singh College (Eve.)	243	85	328	165	67	232	168	62	230	576	214	790
Moti Lal Nehru College (Eve.)	281	43	324	152	34	186	131	34	165	564	111	675
PGDAV College (Eve.)	191	80	271	107	56	163	119	65	184	417	201	618
Ram Lal Anand College (Eve.)	184	33	217	101	28	129	79	20	99	364	81	445
Satyawati College (Eve.)	216	25	241	94	19	113	111	24	135	421	68	489
Shaheed Bhagat Singh College (Eve.)	120	42	162	87	40	127	87	45	132	294	127	421
Shyam Lal College (Eve.)	123	39	162	95	37	132	85	39	124	303	115	418
Sri Aurobindo College (Eve.)	189	32	221	107	30	137	82	25	107	378	87	465
Zakir Husain P.G. College (Eve.)	229	26	255	117	13	130	101	8	109	447	47	494
<b>Total (Eve):</b>	<b>1861</b>	<b>452</b>	<b>2313</b>	<b>1114</b>	<b>357</b>	<b>1471</b>	<b>1056</b>	<b>338</b>	<b>1394</b>	<b>4031</b>	<b>1147</b>	<b>5178</b>
<b>Total (Regular):</b>	<b>4623</b>	<b>5242</b>	<b>9865</b>	<b>3128</b>	<b>4179</b>	<b>7307</b>	<b>2663</b>	<b>4006</b>	<b>6669</b>	<b>10414</b>	<b>13427</b>	<b>23841</b>
External Candidate's Cell	0	0	0	0	0	0	2721	3398	6119	2721	3398	6119
Non-Collegiate Women's Edn. Board	0	2198	2198	0	2173	2173	0	2327	2327	0	6698	6698
School of Open Learning	33779	32877	66656	15711	18952	34663	8072	11922	19994	57562	63751	121313
<b>Total(Nonformal):</b>	<b>33779</b>	<b>35075</b>	<b>68854</b>	<b>15711</b>	<b>21125</b>	<b>36836</b>	<b>10793</b>	<b>17647</b>	<b>28440</b>	<b>60283</b>	<b>73847</b>	<b>134130</b>
<b>Grand Total:</b>	<b>38402</b>	<b>40317</b>	<b>78719</b>	<b>18839</b>	<b>25304</b>	<b>44143</b>	<b>13456</b>	<b>21653</b>	<b>35109</b>	<b>70697</b>	<b>87274</b>	<b>157971</b>

**B.A. (Hons.) College-wise distribution of students**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	171	113	284	64	72	136	87	77	164	322	262	584
Bharati College (W)	0	215	215	0	154	154	0	130	130	0	499	499
Bhim Rao Ambedkar College	123	92	215	67	74	141	63	62	125	253	228	481
College of Vocational Studies	97	58	155	54	33	87	60	31	91	211	122	333
Daulat Ram College (W)	0	490	490	0	374	374	0	340	340	0	1204	1204
Deen Dayal Upadhyaya College	7	19	26	6	33	39	7	17	24	20	69	89
Delhi College of Arts & Commerce	136	57	193	70	49	119	61	54	115	267	160	427
Deshbandhu College	285	152	437	137	103	240	103	80	183	525	335	860
Dyal Singh College	234	176	410	112	104	216	91	91	182	437	371	808
Gargi College (W)	0	331	331	0	191	191	0	183	183	0	705	705
Hans Raj College	182	145	327	133	93	226	130	138	268	445	376	821
Hindu College	174	136	310	122	125	247	96	122	218	392	383	775
Indraprastha College for Women	0	416	416	0	307	307	0	282	282	0	1005	1005
Janki Devi Memorial College (W)	0	377	377	0	232	232	0	242	242	0	851	851
Jesus & Mary College (W)	0	332	332	0	277	277	0	289	289	0	898	898
Kalindi College (W)	0	343	343	0	211	211	0	213	213	0	767	767
Kamala Nehru College (W)	0	432	432	0	325	325	0	307	307	0	1064	1064
Kirori Mal College	226	125	351	139	96	235	123	94	217	488	315	803
Lady Shri Ram College (W)	0	483	483	0	422	422	0	479	479	0	1384	1384
Lakshmibai College (W)	0	358	358	0	272	272	0	284	284	0	914	914
Maitreyi College (W)	0	240	240	0	154	154	0	172	172	0	566	566

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Mata Sundri College (W)	0	416	416	0	266	266	0	329	329	0	1011	1011
Miranda House (W)	0	412	412	0	336	336	0	331	331	0	1079	1079
Moti Lal Nehru College	160	85	245	78	57	135	56	55	111	294	197	491
PGDAV College	147	124	271	76	85	161	70	77	147	293	286	579
Rajdhani College	210	82	292	116	53	169	83	82	165	409	217	626
Ram Lal Anand College	168	73	241	83	65	148	91	46	137	342	184	526
Ramjas College	209	130	339	133	92	225	118	72	190	460	294	754
SGTB Khalsa College	215	144	359	132	117	249	141	129	270	488	390	878
Satyawati College	274	78	352	109	56	165	88	61	149	471	195	666
Shaheed Bhagat Singh College	164	94	258	104	60	164	79	55	134	347	209	556
Shivaji College	248	85	333	114	39	153	125	46	171	487	170	657
Shyam Lal College	120	117	237	63	62	125	38	73	111	221	252	473
Shyama Prasad Mukherji College (W)	0	310	310	0	211	211	0	192	192	0	713	713
Sri Aurobindo College	74	58	132	27	40	67	37	35	72	138	133	271
Sri G. G. S. College of Commerce	44	67	111	43	61	104	44	54	98	131	182	313
Shri Ram College of Commerce	40	82	122	30	55	85	25	59	84	95	196	291
Sri Venkateswara College	133	132	265	81	90	171	67	121	188	281	343	624
St. Stephen's College	61	103	164	84	114	198	83	97	180	228	314	542
Swami Shraddhanand College	215	46	261	58	45	103	61	37	98	334	128	462
Vivekananda College (W)	0	229	229	0	158	158	0	179	179	0	566	566
Zakir Husain College	200	128	328	105	106	211	115	93	208	420	327	747
Bhagini Nivedita College (W)	0	13	13	0	21	21	0	14	14	0	48	48

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Keshav Mahavidyalaya	9	35	44	0	21	21	0	16	16	9	72	81
Aditi Mahavidyalaya (W)	0	85	85	0	49	49	0	52	52	0	186	186
Maharaja Agrasen Co-Ed. College	56	107	163	53	88	141	43	76	119	152	271	423
Sri Guru Nanak Dev Khalsa College	166	86	252	80	74	154	64	65	129	310	225	535
<b>Total (Day):</b>	<b>4548</b>	<b>8411</b>	<b>12959</b>	<b>2473</b>	<b>6122</b>	<b>8595</b>	<b>2249</b>	<b>6133</b>	<b>8382</b>	<b>9270</b>	<b>20666</b>	<b>29936</b>
Deshbandhu College (Eve.)	97	49	146	45	20	65	36	25	61	178	94	272
Dyal Singh College (Eve.)	118	35	153	65	23	88	39	23	62	222	81	303
Moti Lal Nehru College (Eve.)	108	23	131	57	11	68	40	13	53	205	47	252
PGDAV College (Eve.)	61	29	90	28	21	49	38	18	56	127	68	195
Ram Lal Anand College (Eve.)	156	72	228	96	43	139	83	24	107	335	139	474
Satyawati College (Eve.)	161	51	212	81	16	97	52	26	78	294	93	387
Shaheed Bhagat Singh College (Eve.)	92	23	115	38	14	52	45	18	63	175	55	230
Shyam Lal College (Eve.)	120	26	146	36	25	61	44	20	64	200	71	271
Sri Aurobindo College (Eve.)	70	21	91	11	8	19	9	11	20	90	40	130
Zakir Husain P.G. College (Eve.)	95	18	113	35	5	40	43	14	57	173	37	210
<b>Total (Eve):</b>	<b>1078</b>	<b>347</b>	<b>1425</b>	<b>492</b>	<b>186</b>	<b>678</b>	<b>429</b>	<b>192</b>	<b>621</b>	<b>1999</b>	<b>725</b>	<b>2724</b>
<b>Total (Day + Eve) :</b>	<b>5626</b>	<b>8758</b>	<b>14384</b>	<b>2965</b>	<b>6308</b>	<b>9273</b>	<b>2678</b>	<b>6325</b>	<b>9003</b>	<b>11269</b>	<b>21391</b>	<b>32660</b>

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
<b>Department</b>												
Germanic & Romance Studies	66	69	135	37	54	91	28	44	72	131	167	298
<b>Total(Fac./Deptt./Centre):</b>	<b>66</b>	<b>69</b>	<b>135</b>	<b>37</b>	<b>54</b>	<b>91</b>	<b>28</b>	<b>44</b>	<b>72</b>	<b>131</b>	<b>167</b>	<b>298</b>
<b>Total(Regular):</b>	<b>5692</b>	<b>8827</b>	<b>14519</b>	<b>3002</b>	<b>6362</b>	<b>9364</b>	<b>2706</b>	<b>6369</b>	<b>9075</b>	<b>11400</b>	<b>21558</b>	<b>32958</b>
School of Open Learning	2490	2782	5272	657	1112	1769	526	1011	1537	3673	4905	8578
<b>Total (Nonformal):</b>	<b>2490</b>	<b>2782</b>	<b>5272</b>	<b>657</b>	<b>1112</b>	<b>1769</b>	<b>526</b>	<b>1011</b>	<b>1537</b>	<b>3673</b>	<b>4905</b>	<b>8578</b>
<b>Grand Total:</b>	<b>8182</b>	<b>11609</b>	<b>19791</b>	<b>3659</b>	<b>7474</b>	<b>11133</b>	<b>3232</b>	<b>7380</b>	<b>10612</b>	<b>15073</b>	<b>26463</b>	<b>41536</b>

**B.A.(Hons.) Course-wise distribution of students**

Course	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
<b>B.A.(Hons.)</b>												
Arabic	10	1	11	5	4	9	4	2	6	19	7	26
Applied Psychology	39	120	159	9	88	97	9	77	86	57	285	342
Bengali	2	8	10	2	3	5	0	5	5	4	16	20
English	596	1558	2154	351	1087	1438	261	1005	1266	1208	3650	4858
Hindi	934	1218	2152	447	873	1320	403	854	1257	1784	2945	4729
Punjabi	37	46	83	9	24	33	5	42	47	51	112	163
Persian	8	8	16	4	4	8	1	4	5	13	16	29
Philosophy	50	321	371	21	227	248	16	203	219	87	751	838
Psychology	23	299	322	8	242	250	7	217	224	38	758	796
Sanskrit	333	315	648	77	193	270	68	172	240	478	680	1158
Urdu	51	36	87	12	31	43	24	25	49	87	92	179
Hindi Patrakarita Evam Jan	55	35	90	33	38	71	33	29	62	121	102	223
Journalism	30	106	136	19	109	128	19	103	122	68	318	386
French	15	19	34	11	18	29	7	15	22	33	52	85
German	15	20	35	4	18	22	6	15	21	25	53	78
Italian	16	16	32	11	6	17	7	11	18	34	33	67
Spanish	20	14	34	11	12	23	8	3	11	39	29	68
Economics	736	1142	1878	366	816	1182	408	862	1270	1510	2820	4330
History	967	976	1943	502	620	1122	413	633	1046	1882	2229	4111
Geography	292	193	485	121	114	235	124	147	271	537	454	991



Course	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Pol. Science	1134	1538	2672	645	1092	1737	553	1092	1645	2332	3722	6054
Sociology	31	238	269	12	188	200	13	202	215	56	628	684
Social Work	24	67	91	16	46	62	13	44	57	53	157	210
Business Economics	197	202	399	153	179	332	151	158	309	501	539	1040
Mathematics	62	301	363	145	306	451	145	426	571	352	1033	1385
Music	15	30	45	8	24	32	8	23	31	31	77	108
<b>Total:</b>	<b>5692</b>	<b>8827</b>	<b>14519</b>	<b>3002</b>	<b>6362</b>	<b>9364</b>	<b>2706</b>	<b>6369</b>	<b>9075</b>	<b>11400</b>	<b>21558</b>	<b>32958</b>

**Statement showing the College-wise and Subject-wise distribution of Students during the Academic Session (2009-2010)**

**B.A. (Hons.) Arabic**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Zakir Husain College	10	1	11	5	4	9	4	2	6	19	7	26
<b>Total Regular (Day) :</b>	<b>10</b>	<b>1</b>	<b>11</b>	<b>5</b>	<b>4</b>	<b>9</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>19</b>	<b>7</b>	<b>26</b>

**B.A. (Hons.) Applied Psychology**

Bhim Rao Ambedkar College	14	16	30	5	14	19	5	3	8	24	33	57
Gargi College (W)	0	30	30	0	22	22	0	20	20	0	72	72
Shyama Prasad Mukherji College (W)	0	29	29	0	26	26	0	19	19	0	74	74
Vivekananda College (W)	0	27	27	0	18	18	0	24	24	0	69	69
<b>Total (Day):</b>	<b>14</b>	<b>102</b>	<b>116</b>	<b>5</b>	<b>80</b>	<b>85</b>	<b>5</b>	<b>66</b>	<b>71</b>	<b>24</b>	<b>248</b>	<b>272</b>
Sri Aurobindo College (Eve.)	25	18	43	4	8	12	4	11	15	33	37	70
<b>Total (Eve):</b>	<b>25</b>	<b>18</b>	<b>43</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>4</b>	<b>11</b>	<b>15</b>	<b>33</b>	<b>37</b>	<b>70</b>
<b>Grand Total :</b>	<b>39</b>	<b>120</b>	<b>159</b>	<b>9</b>	<b>88</b>	<b>97</b>	<b>9</b>	<b>77</b>	<b>86</b>	<b>57</b>	<b>285</b>	<b>342</b>

**B.A. (Hons.) Bengali**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Miranda House (W)	0	4	4	0	2	2	0	3	3	0	9	9
Zakir Husain College	2	4	6	2	1	3	0	2	2	4	7	11
<b>Total (Day):</b>	<b>2</b>	<b>8</b>	<b>10</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>16</b>	<b>20</b>
<b>Grand Total :</b>	<b>2</b>	<b>8</b>	<b>10</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>16</b>	<b>20</b>

**B.A. (Hons.) English**

A.R.S.D. College	21	24	45	3	18	21	8	14	22	32	56	88
Bharati College (W)	0	47	47	0	35	35	0	30	30	0	112	112
Daulat Ram College (W)	0	57	57	0	48	48	0	34	34	0	139	139
Deen Dayal Upadhyaya College	7	19	26	6	33	39	7	17	24	20	69	89
Delhi College of Arts & Commerce	24	19	43	11	15	26	5	18	23	40	52	92
Deshbandhu College	21	36	57	20	23	43	10	24	34	51	83	134
Dyal Singh College	28	76	104	13	23	36	7	22	29	48	121	169
Gargi College (W)	0	40	40	0	24	24	0	22	22	0	86	86
Hans Raj College	35	49	84	10	19	29	15	21	36	60	89	149
Hindu College	20	17	37	13	16	29	6	19	25	39	52	91
Indraprastha College for Women	0	40	40	0	39	39	0	35	35	0	114	114

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Janki Devi Memorial College (W)	0	49	49	0	28	28	0	25	25	0	102	102
Jesus & Mary College (W)	0	49	49	0	35	35	0	37	37	0	121	121
Kalindi College (W)	0	41	41	0	25	25	0	17	17	0	83	83
Kamala Nehru College (W)	0	49	49	0	35	35	0	24	24	0	108	108
Kirori Mal College	16	34	50	9	19	28	13	22	35	38	75	113
Lady Shri Ram College (W)	0	70	70	0	68	68	0	77	77	0	215	215
Lakshmibai College (W)	0	39	39	0	31	31	0	33	33	0	103	103
Maitreyi College (W)	0	40	40	0	25	25	0	29	29	0	94	94
Mata Sundri College (W)	0	75	75	0	59	59	0	54	54	0	188	188
Miranda House (W)	0	47	47	0	45	45	0	35	35	0	127	127
Moti Lal Nehru College	10	18	28	5	8	13	4	11	15	19	37	56
PGDAV College	18	29	47	8	26	34	7	25	32	33	80	113
Rajdhani College	18	27	45	17	16	33	4	19	23	39	62	101
Ram Lal Anand College	20	23	43	14	23	37	10	19	29	44	65	109
Ramjas College	20	33	53	10	31	41	24	11	35	54	75	129
SGTB Khalsa College	10	31	41	15	33	48	12	26	38	37	90	127
Satyawati College	17	22	39	10	11	21	2	15	17	29	48	77
Shaheed Bhagat Singh College	20	22	42	13	6	19	9	8	17	42	36	78
Shivaji College	25	30	55	12	18	30	11	16	27	48	64	112
Shyam Lal College	12	39	51	7	13	20	6	20	26	25	72	97
Shyama Prasad Mukherji College (W)	0	42	42	0	20	20	0	19	19	0	81	81
Sri Aurobindo College	14	28	42	6	20	26	6	12	18	26	60	86
Sri Venkateswara College	12	42	54	8	27	35	3	26	29	23	95	118

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
St. Stephen's College	8	20	28	10	20	30	6	21	27	24	61	85
Swami Shraddhanand College	38	21	59	13	23	36	17	16	33	68	60	128
Vivekananda College (W)	0	46	46	0	30	30	0	26	26	0	102	102
Zakir Husain College	16	7	23	10	12	22	12	8	20	38	27	65
Maharaja Agrasen Co-Ed. College	5	24	29	6	17	23	5	13	18	16	54	70
Sri Guru Nanak Dev Khalsa College	9	37	46	8	18	26	4	31	35	21	86	107
<b>Total (Day):</b>	<b>444</b>	<b>1458</b>	<b>1902</b>	<b>257</b>	<b>1035</b>	<b>1292</b>	<b>213</b>	<b>951</b>	<b>1164</b>	<b>914</b>	<b>3444</b>	<b>4358</b>
Deshbandhu College (Eve.)	22	29	51	13	13	26	6	11	17	41	53	94
Dyal Singh College (Eve.)	60	18	78	39	15	54	20	12	32	119	45	164
Moti Lal Nehru College (Eve.)	16	9	25	8	6	14	4	5	9	28	20	48
Ram Lal Anand College (Eve.)	24	24	48	16	11	27	6	9	15	46	44	90
Satyawati College (Eve.)	16	15	31	9	7	16	4	11	15	29	33	62
Zakir Husain P.G. College (Eve.)	14	5	19	9	0	9	8	6	14	31	11	42
<b>Total (Eve):</b>	<b>152</b>	<b>100</b>	<b>252</b>	<b>94</b>	<b>52</b>	<b>146</b>	<b>48</b>	<b>54</b>	<b>102</b>	<b>294</b>	<b>206</b>	<b>500</b>
<b>Total (Regular):</b>	<b>596</b>	<b>1558</b>	<b>2154</b>	<b>351</b>	<b>1087</b>	<b>1438</b>	<b>261</b>	<b>1005</b>	<b>1266</b>	<b>1208</b>	<b>3650</b>	<b>4858</b>
School of Open Learning	494	1002	1496	116	472	588	106	461	567	716	1935	2651
<b>Total(Nonformal):</b>	<b>494</b>	<b>1002</b>	<b>1496</b>	<b>116</b>	<b>472</b>	<b>588</b>	<b>106</b>	<b>461</b>	<b>567</b>	<b>716</b>	<b>1935</b>	<b>2651</b>
<b>Grand Total :</b>	<b>1090</b>	<b>2560</b>	<b>3650</b>	<b>467</b>	<b>1559</b>	<b>2026</b>	<b>367</b>	<b>1466</b>	<b>1833</b>	<b>1924</b>	<b>5585</b>	<b>7509</b>

**B.A. (Hons.) Hindi**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	23	21	44	13	13	26	11	12	23	47	46	93
Bharati College (W)	0	45	45	0	38	38	0	32	32	0	115	115
Daulat Ram College (W)	0	101	101	0	85	85	0	61	61	0	247	247
Deshbandhu College	34	30	64	17	21	38	22	13	35	73	64	137
Dyal Singh College	54	24	78	18	17	35	12	10	22	84	51	135
Gargi College (W)	0	43	43	0	29	29	0	23	23	0	95	95
Hans Raj College	30	20	50	36	16	52	33	14	47	99	50	149
Hindu College	16	22	38	14	10	24	20	18	38	50	50	100
Indraprastha College for Women	0	41	41	0	29	29	0	46	46	0	116	116
Janki Devi Memorial College (W)	0	37	37	0	33	33	0	34	34	0	104	104
Jesus & Mary College (W)	0	28	28	0	21	21	0	21	21	0	70	70
Kalindi College (W)	0	62	62	0	38	38	0	33	33	0	133	133
Kamala Nehru College (W)	0	40	40	0	30	30	0	29	29	0	99	99
Kirori Mal College	37	11	48	22	10	32	18	8	26	77	29	106
Lady Shri Ram College (W)	0	31	31	0	23	23	0	34	34	0	88	88
Lakshmibai College (W)	0	38	38	0	27	27	0	29	29	0	94	94
Maitreyi College (W)	0	30	30	0	17	17	0	35	35	0	82	82
Mata Sundri College (W)	0	88	88	0	49	49	0	65	65	0	202	202
Miranda House (W)	0	51	51	0	40	40	0	40	40	0	131	131
Moti Lal Nehru College	20	15	35	11	16	27	11	11	22	42	42	84
PGDAV College	30	22	52	12	22	34	14	18	32	56	62	118
Rajdhani College	29	17	46	25	12	37	14	14	28	68	43	111

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Ram Lal Anand College	41	20	61	19	17	36	14	9	23	74	46	120
Ramjas College	30	29	59	19	20	39	20	13	33	69	62	131
SGTB Khalsa College	29	16	45	16	13	29	20	11	31	65	40	105
Satyawati College	48	9	57	11	8	19	8	7	15	67	24	91
Shaheed Bhagat Singh College	18	19	37	16	17	33	12	10	22	46	46	92
Shivaji College	38	9	47	24	0	24	19	6	25	81	15	96
Shyam Lal College	29	23	52	10	17	27	8	18	26	47	58	105
Shyama Prasad Mukherji College (W)	0	41	41	0	28	28	0	32	32	0	101	101
Sri Aurobindo College	28	11	39	15	9	24	15	11	26	58	31	89
Sri Venkateswara College	36	18	54	16	8	24	12	15	27	64	41	105
Swami Shraddhanand College	59	18	77	15	16	31	9	12	21	83	46	129
Vivekananda College (W)	0	41	41	0	32	32	0	31	31	0	104	104
Zakir Husain College	16	17	33	14	8	22	13	9	22	43	34	77
Bhagini Nivedita College (W)	0	13	13	0	21	21	0	14	14	0	48	48
Maharaja Agrasen Co-Ed. College	6	31	37	9	20	29	6	23	29	21	74	95
Sri Guru Nanak Dev Khalsa College	32	9	41	13	12	25	9	2	11	54	23	77
<b>Total (Day):</b>	<b>683</b>	<b>1141</b>	<b>1824</b>	<b>365</b>	<b>842</b>	<b>1207</b>	<b>320</b>	<b>823</b>	<b>1143</b>	<b>1368</b>	<b>2806</b>	<b>4174</b>

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Deshbandhu College (Eve.)	27	13	40	5	3	8	11	6	17	43	22	65
Moti Lal Nehru College (Eve.)	19	6	25	7	2	9	6	1	7	32	9	41
PGDAV College (Eve.)	27	18	45	10	8	18	13	2	15	50	28	78
Ram Lal Anand College (Eve.)	36	10	46	17	2	19	15	5	20	68	17	85
Satyawati College (Eve.)	38	9	47	16	3	19	13	2	15	67	14	81
Shyam Lal College (Eve.)	43	14	57	10	11	21	10	13	23	63	38	101
Sri Aurobindo College (Eve.)	45	3	48	7	0	7	5	0	5	57	3	60
Zakir Husain P.G. College (Eve.)	16	4	20	10	2	12	10	2	12	36	8	44
<b>Total (Eve):</b>	<b>251</b>	<b>77</b>	<b>328</b>	<b>82</b>	<b>31</b>	<b>113</b>	<b>83</b>	<b>31</b>	<b>114</b>	<b>416</b>	<b>139</b>	<b>555</b>
<b>Grand Total :</b>	<b>934</b>	<b>1218</b>	<b>2152</b>	<b>447</b>	<b>873</b>	<b>1320</b>	<b>403</b>	<b>854</b>	<b>1257</b>	<b>1784</b>	<b>2945</b>	<b>4729</b>

#### B.A.(Hons.) Punjabi

Mata Sundri College (W)	0	16	16	0	11	11	0	19	19	0	46	46
SGTB Khalsa College	34	24	58	8	9	17	4	18	22	46	51	97
Sri Guru Nanak Dev Khalsa College	3	6	9	1	4	5	1	5	6	5	15	20
<b>Grand Total :</b>	<b>37</b>	<b>46</b>	<b>83</b>	<b>9</b>	<b>24</b>	<b>33</b>	<b>5</b>	<b>42</b>	<b>47</b>	<b>51</b>	<b>112</b>	<b>163</b>



**B.A. (Hons.) Persian**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Zakir Husain College	8	8	16	4	4	8	1	3	4	13	15	28
<b>Total (Day) :</b>	<b>8</b>	<b>8</b>	<b>16</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>13</b>	<b>15</b>	<b>28</b>
Zakir Husain P.G. College (Eve.)	0	0	0	0	0	0	0	1	1	0	1	1
<b>Total (Eve.) :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>
<b>Grand Total (Regular) :</b>	<b>8</b>	<b>8</b>	<b>16</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>13</b>	<b>16</b>	<b>29</b>

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**B.A. (Hons.) Philosophy**

Daulat Ram College (W)	0	22	22	0	24	24	0	21	21	0	67	67
Gargi College (W)	0	30	30	0	11	11	0	12	12	0	53	53
Hindu College	22	17	39	13	10	23	5	1	6	40	28	68
Indraprastha College for Women	0	37	37	0	29	29	0	18	18	0	84	84
Janki Devi Memorial College (W)	0	27	27	0	18	18	0	13	13	0	58	58
Kamala Nehru College (W)	0	34	34	0	16	16	0	15	15	0	65	65
Lady Shri Ram College (W)	0	29	29	0	22	22	0	22	22	0	73	73
Lakshmibai College (W)	0	30	30	0	21	21	0	34	34	0	85	85
Mata Sundri College (W)	0	28	28	0	20	20	0	24	24	0	72	72
Miranda House (W)	0	35	35	0	30	30	0	26	26	0	91	91

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shyama Prasad Mukherji College (W)	0	23	23	0	15	15	0	10	10	0	48	48
St. Stephen's College	12	4	16	7	11	18	7	5	12	26	20	46
Zakir Husain College	16	5	21	1	0	1	4	2	6	21	7	28
<b>Total (Day):</b>	<b>50</b>	<b>321</b>	<b>371</b>	<b>21</b>	<b>227</b>	<b>248</b>	<b>16</b>	<b>203</b>	<b>219</b>	<b>87</b>	<b>751</b>	<b>838</b>
<b>Grand Total :</b>	<b>50</b>	<b>321</b>	<b>371</b>	<b>21</b>	<b>227</b>	<b>248</b>	<b>16</b>	<b>203</b>	<b>219</b>	<b>87</b>	<b>751</b>	<b>838</b>

#### B.A. (Hons.) Psychology

Daulat Ram College (W)	0	46	46	0	35	35	0	27	27	0	108	108
Indraprastha College for Women	0	43	43	0	54	54	0	34	34	0	131	131
Jesus & Mary College (W)	0	42	42	0	40	40	0	39	39	0	121	121
Kamala Nehru College (W)	0	36	36	0	29	29	0	22	22	0	87	87
Lady Shri Ram College (W)	0	41	41	0	33	33	0	31	31	0	105	105
Mata Sundri College (W)	0	41	41	0	23	23	0	36	36	0	100	100
Zakir Husain College	14	15	29	8	7	15	7	12	19	29	34	63
Keshav Mahavidhyalaya	9	35	44	0	21	21	0	16	16	9	72	81
<b>Total (Day):</b>	<b>23</b>	<b>299</b>	<b>322</b>	<b>8</b>	<b>242</b>	<b>250</b>	<b>7</b>	<b>217</b>	<b>224</b>	<b>38</b>	<b>758</b>	<b>796</b>
<b>Grand Total :</b>	<b>23</b>	<b>299</b>	<b>322</b>	<b>8</b>	<b>242</b>	<b>250</b>	<b>7</b>	<b>217</b>	<b>224</b>	<b>38</b>	<b>758</b>	<b>796</b>

**B.A. (Hons.) Sanskrit**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Bharati College (W)	0	32	32	0	23	23	0	13	13	0	68	68
Daulat Ram College (W)	0	29	29	0	15	15	0	9	9	0	53	53
Deshbandhu College	50	15	65	4	1	5	2	8	10	56	24	80
Gargi College (W)	0	26	26	0	9	9	0	4	4	0	39	39
Hans Raj College	32	8	40	11	4	15	20	3	23	63	15	78
Hindu College	26	4	30	17	5	22	7	7	14	50	16	66
Indraprastha College for Women	0	15	15	0	8	8	0	11	11	0	34	34
Janki Devi Memorial College (W)	0	21	21	0	8	8	0	13	13	0	42	42
Kalindi College (W)	0	7	7	0	6	6	0	0	0	0	13	13
Kamala Nehru College (W)	0	13	13	0	16	16	0	6	6	0	35	35
Kirori Mal College	12	4	16	6	3	9	12	3	15	30	10	40
Lady Shri Ram College (W)	0	9	9	0	15	15	0	6	6	0	30	30
Lakshmibai College (W)	0	11	11	0	9	9	0	12	12	0	32	32
Maitreyi College (W)	0	3	3	0	8	8	0	6	6	0	17	17
Mata Sundri College (W)	0	5	5	0	6	6	0	11	11	0	22	22
Miranda House (W)	0	18	18	0	9	9	0	10	10	0	37	37
Moti Lal Nehru College	44	4	48	8	0	8	2	1	3	54	5	59
PGDAV College	12	7	19	2	6	8	5	1	6	19	14	33
Rajdhani College	38	5	43	5	5	10	5	0	5	48	10	58
Ramjas College	16	10	26	4	5	9	1	0	1	21	15	36
Satyawati College	38	3	41	5	5	10	1	1	2	44	9	53
Shivaji College	28	3	31	0	1	1	0	0	0	28	4	32

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shyama Prasad Mukherji College (W)	0	17	17	0	10	10	0	17	17	0	44	44
Sri Venkateswara College	15	1	16	4	1	5	1	3	4	20	5	25
St. Stephen's College	6	6	12	8	1	9	8	3	11	22	10	32
Vivekananda College (W)	0	32	32	0	9	9	0	20	20	0	61	61
Zakir Husain College	12	6	18	3	5	8	3	2	5	18	13	31
<b>Total (Day):</b>	<b>329</b>	<b>314</b>	<b>643</b>	<b>77</b>	<b>193</b>	<b>270</b>	<b>67</b>	<b>170</b>	<b>237</b>	<b>473</b>	<b>677</b>	<b>1150</b>
Zakir Husain P.G. College (Eve.)	4	1	5	0	0	0	1	2	3	5	3	8
<b>Total (Eve) :</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>8</b>
<b>Grand Total :</b>	<b>333</b>	<b>315</b>	<b>648</b>	<b>77</b>	<b>193</b>	<b>270</b>	<b>68</b>	<b>172</b>	<b>240</b>	<b>478</b>	<b>680</b>	<b>1158</b>

**B.A. (Hons.) Urdu**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Kirori Mal College	14	12	26	6	10	16	9	8	17	29	30	59
Satyawati College	20	2	22	1	1	2	6	0	6	27	3	30
Zakir Husain College	8	16	24	2	17	19	5	15	20	15	48	63
<b>Total (Day):</b>	<b>42</b>	<b>30</b>	<b>72</b>	<b>9</b>	<b>28</b>	<b>37</b>	<b>20</b>	<b>23</b>	<b>43</b>	<b>71</b>	<b>81</b>	<b>152</b>
Zakir Husain P.G. College (Eve.)	9	6	15	3	3	6	4	2	6	16	11	27
<b>Total (Eve):</b>	<b>9</b>	<b>6</b>	<b>15</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>16</b>	<b>11</b>	<b>27</b>
<b>Grand Total :</b>	<b>51</b>	<b>36</b>	<b>87</b>	<b>12</b>	<b>31</b>	<b>43</b>	<b>24</b>	<b>25</b>	<b>49</b>	<b>87</b>	<b>92</b>	<b>179</b>

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**B.A. (Hons.) Hindi Patrakarita Evam Jan Sanchar**

Bhim Rao Ambedkar College	15	10	25	11	8	19	9	9	18	35	27	62
Ram Lal Anand College	20	4	24	14	3	17	14	4	18	48	11	59
Aditi Mahavidyalaya (W)	0	16	16	0	14	14	0	12	12	0	42	42
Sri Guru Nanak Dev Khalsa College	20	5	25	8	13	21	10	4	14	38	22	60
<b>Grand Total :</b>	<b>55</b>	<b>35</b>	<b>90</b>	<b>33</b>	<b>38</b>	<b>71</b>	<b>33</b>	<b>29</b>	<b>62</b>	<b>121</b>	<b>102</b>	<b>223</b>

**B.A. (Hons.) Journalism**

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College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Delhi College of Arts & Commerce	15	7	22	9	11	20	10	9	19	34	27	61
Kalindi College (W)	0	33	33	0	29	29	0	27	27	0	89	89
Kamala Nehru College (W)	0	27	27	0	26	26	0	35	35	0	88	88
Lady Shri Ram College (W)	0	21	21	0	24	24	0	18	18	0	63	63
Maharaja Agrasen Co-Ed. College	15	18	33	10	19	29	9	14	23	34	51	85
<b>Total :</b>	<b>30</b>	<b>106</b>	<b>136</b>	<b>19</b>	<b>109</b>	<b>128</b>	<b>19</b>	<b>103</b>	<b>122</b>	<b>68</b>	<b>318</b>	<b>386</b>

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**B.A. (Hons.) French**

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<b>Department</b>												
Germanic & Romance Studies	15	19	34	11	18	29	7	15	22	33	52	85
<b>Total :</b>	<b>15</b>	<b>19</b>	<b>34</b>	<b>11</b>	<b>18</b>	<b>29</b>	<b>7</b>	<b>15</b>	<b>22</b>	<b>33</b>	<b>52</b>	<b>85</b>

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**B.A. (Hons.) German**

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Department	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Germanic & Romance Studies	15	20	35	4	18	22	6	15	21	25	53	78
<b>Total :</b>	<b>15</b>	<b>20</b>	<b>35</b>	<b>4</b>	<b>18</b>	<b>22</b>	<b>6</b>	<b>15</b>	<b>21</b>	<b>25</b>	<b>53</b>	<b>78</b>

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**B.A. (Hons.) Italian**

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Germanic & Romance Studies	16	16	32	11	6	17	7	11	18	34	33	67
<b>Total :</b>	<b>16</b>	<b>16</b>	<b>32</b>	<b>11</b>	<b>6</b>	<b>17</b>	<b>7</b>	<b>11</b>	<b>18</b>	<b>34</b>	<b>33</b>	<b>67</b>

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**B.A. (Hons.) Spanish**

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Germanic & Romance Studies	20	14	34	11	12	23	8	3	11	39	29	68
<b>Total :</b>	<b>20</b>	<b>14</b>	<b>34</b>	<b>11</b>	<b>12</b>	<b>23</b>	<b>8</b>	<b>3</b>	<b>11</b>	<b>39</b>	<b>29</b>	<b>68</b>

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**B.A. (Hons.) Economics**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	42	41	83	4	17	21	19	17	36	65	75	140
College of Vocational Studies	29	24	53	12	12	24	23	15	38	64	51	115
Daulat Ram College (W)	0	94	94	0	60	60	0	63	63	0	217	217
Delhi College of Arts & Commerce	30	16	46	11	12	23	17	12	29	58	40	98
Deshbandhu College	40	12	52	17	11	28	13	5	18	70	28	98
Dyal Singh College	25	30	55	5	22	27	10	19	29	40	71	111
Hans Raj College	51	54	105	40	37	77	21	59	80	112	150	262
Hindu College	17	23	40	15	27	42	17	23	40	49	73	122
Indraprastha College for Women	0	54	54	0	24	24	0	28	28	0	106	106
Janki Devi Memorial College (W)	0	45	45	0	32	32	0	20	20	0	97	97
Jesus & Mary College (W)	0	49	49	0	43	43	0	51	51	0	143	143
Kalindi College (W)	0	41	41	0	29	29	0	25	25	0	95	95
Kamala Nehru College (W)	0	38	38	0	23	23	0	23	23	0	84	84
Kirori Mal College	39	30	69	17	26	43	22	18	40	78	74	152
Lady Shri Ram College (W)	0	69	69	0	72	72	0	86	86	0	227	227
Lakshmibai College (W)	0	31	31	0	21	21	0	28	28	0	80	80
Maitreyi College (W)	0	36	36	0	17	17	0	24	24	0	77	77
Miranda House (W)	0	49	49	0	42	42	0	43	43	0	134	134
Moti Lal Nehru College	33	18	51	14	11	25	1	8	9	48	37	85
PGDAV College	16	18	34	9	2	11	6	9	15	31	29	60
Rajdhani College	44	13	57	13	11	24	14	26	40	71	50	121
Ramjas College	43	26	69	26	13	39	19	19	38	88	58	146



College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
SGTB Khalsa College	35	13	48	18	27	45	23	27	50	76	67	143
Satyawati College	28	19	47	7	16	23	20	16	36	55	51	106
Shaheed Bhagat Singh College	22	16	38	16	6	22	14	11	25	52	33	85
Shivaji College	35	8	43	13	4	17	25	9	34	73	21	94
Shyam Lal College	20	16	36	8	17	25	6	5	11	34	38	72
Shyama Prasad Mukherji College (W)	0	32	32	0	21	21	0	10	10	0	63	63
Sri G.G.S. College of Commerce	20	38	58	21	34	55	26	33	59	67	105	172
Shri Ram College of Commerce	40	82	122	30	55	85	25	59	84	95	196	291
Sri Venkateswara College	10	25	35	11	19	30	11	26	37	32	70	102
St. Stephen's College	9	42	51	16	33	49	20	31	51	45	106	151
Zakir Husain College	20	8	28	8	6	14	20	6	26	48	20	68
<b>Total (Day):</b>	<b>648</b>	<b>1110</b>	<b>1758</b>	<b>331</b>	<b>802</b>	<b>1133</b>	<b>372</b>	<b>854</b>	<b>1226</b>	<b>1351</b>	<b>2766</b>	<b>4117</b>
Ram Lal Anand College (Eve.)	21	15	36	17	8	25	19	2	21	57	25	82
Satyawati College (Eve.)	25	12	37	9	3	12	3	3	6	37	18	55
Shyam Lal College (Eve.)	42	5	47	9	3	12	14	3	17	65	11	76
<b>Total (Eve):</b>	<b>88</b>	<b>32</b>	<b>120</b>	<b>35</b>	<b>14</b>	<b>49</b>	<b>36</b>	<b>8</b>	<b>44</b>	<b>159</b>	<b>54</b>	<b>213</b>
<b>Grand Total :</b>	<b>736</b>	<b>1142</b>	<b>1878</b>	<b>366</b>	<b>816</b>	<b>1182</b>	<b>408</b>	<b>862</b>	<b>1270</b>	<b>1510</b>	<b>2820</b>	<b>4330</b>

**B.A. (Hons.) History**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	27	14	41	13	7	20	10	10	20	50	31	81
Bharati College (W)	0	42	42	0	19	19	0	22	22	0	83	83
College of Vocational Studies	42	13	55	20	4	24	15	5	20	77	22	99
Daulat Ram College (W)	0	59	59	0	31	31	0	35	35	0	125	125
Delhi College of Arts & Commerce	36	8	44	25	5	30	14	6	20	75	19	94
Deshbandhu College	67	21	88	34	20	54	23	4	27	124	45	169
Dyal Singh College	47	16	63	25	4	29	15	10	25	87	30	117
Gargi College (W)	0	38	38	0	24	24	0	28	28	0	90	90
Hans Raj College	34	14	48	22	12	34	21	14	35	77	40	117
Hindu College	24	11	35	21	9	30	15	11	26	60	31	91
Indraprastha College for Women	0	38	38	0	24	24	0	25	25	0	87	87
Janki Devi Memorial College (W)	0	54	54	0	40	40	0	31	31	0	125	125
Jesus & Mary College (W)	0	42	42	0	32	32	0	23	23	0	97	97
Kalindi College (W)	0	57	57	0	26	26	0	28	28	0	111	111
Kamala Nehru College (W)	0	48	48	0	27	27	0	26	26	0	101	101
Kirori Mal College	34	9	43	25	6	31	14	11	25	73	26	99
Lady Shri Ram College (W)	0	79	79	0	50	50	0	61	61	0	190	190
Lakshmibai College (W)	0	42	42	0	24	24	0	26	26	0	92	92
Maitreyi College (W)	0	30	30	0	25	25	0	12	12	0	67	67
Mata Sundri College (W)	0	36	36	0	22	22	0	40	40	0	98	98
Miranda House (W)	0	51	51	0	42	42	0	37	37	0	130	130

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Moti Lal Nehru College	28	15	43	14	8	22	15	5	20	57	28	85
PGDAV College	23	18	41	12	12	24	12	13	25	47	43	90
Rajdhani College	51	4	55	25	4	29	17	3	20	93	11	104
Ram Lal Anand College	42	13	55	13	7	20	24	4	28	79	24	103
Ramjas College	50	13	63	45	4	49	28	8	36	123	25	148
SGTB Khalsa College	52	13	65	26	8	34	24	16	40	102	37	139
Satyawati College	46	6	52	20	7	27	21	3	24	87	16	103
Shaheed Bhagat Singh College	30	8	38	14	6	20	10	7	17	54	21	75
Shivaji College	50	9	59	15	3	18	18	1	19	83	13	96
Shyam Lal College	30	11	41	13	5	18	9	11	20	52	27	79
Shyama Prasad Mukherji College (W)	0	26	26	0	18	18	0	18	18	0	62	62
Sri Venkateswara College	20	11	31	16	7	23	13	15	28	49	33	82
St. Stephen's College	26	31	57	23	36	59	27	27	54	76	94	170
Swami Shraddhanand College	57	4	61	14	3	17	12	3	15	83	10	93
Vivekananda College (W)	0	40	40	0	18	18	0	22	22	0	80	80
Zakir Husain College	15	15	30	9	15	24	16	5	21	40	35	75
Sri Guru Nanak Dev Khalsa College	32	4	36	11	5	16	5	0	5	48	9	57
<b>Total (Day):</b>	<b>863</b>	<b>963</b>	<b>1826</b>	<b>455</b>	<b>619</b>	<b>1074</b>	<b>378</b>	<b>626</b>	<b>1004</b>	<b>1696</b>	<b>2208</b>	<b>3904</b>

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Moti Lal Nehru College (Eve.)	34	5	39	19	0	19	16	3	19	69	8	77
Satyawati College (Eve.)	43	7	50	19	1	20	16	4	20	78	12	90
Zakir Husain P.G. College (Eve.)	27	1	28	9	0	9	3	0	3	39	1	40
<b>Total (Eve):</b>	<b>104</b>	<b>13</b>	<b>117</b>	<b>47</b>	<b>1</b>	<b>48</b>	<b>35</b>	<b>7</b>	<b>42</b>	<b>186</b>	<b>21</b>	<b>207</b>
<b>Grand Total :</b>	<b>967</b>	<b>976</b>	<b>1943</b>	<b>502</b>	<b>620</b>	<b>1122</b>	<b>413</b>	<b>633</b>	<b>1046</b>	<b>1882</b>	<b>2229</b>	<b>4111</b>

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#### B.A. (Hons.) Geography

Bhim Rao Ambedkar College	41	25	66	10	18	28	12	17	29	63	60	123
Dyal Singh College	34	12	46	16	12	28	19	13	32	69	37	106
Kamala Nehru College (W)	0	30	30	0	22	22	0	31	31	0	83	83
Kirori Mal College	44	7	51	24	7	31	17	10	27	85	24	109
Miranda House (W)	0	42	42	0	26	26	0	29	29	0	97	97
Shaheed Bhagat Singh College	25	15	40	14	8	22	14	8	22	53	31	84
Shivaji College	40	18	58	16	6	22	15	8	23	71	32	103
Swami Shraddhanand College	61	3	64	16	3	19	23	6	29	100	12	112
Aditi Mahavidyalaya (W)	0	28	28	0	6	6	0	16	16	0	50	50
<b>Total (Day):</b>	<b>245</b>	<b>180</b>	<b>425</b>	<b>96</b>	<b>108</b>	<b>204</b>	<b>100</b>	<b>138</b>	<b>238</b>	<b>441</b>	<b>426</b>	<b>867</b>

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shaheed Bhagat Singh College (Eve.)	47	13	60	25	6	31	24	9	33	96	28	124
<b>Total (Eve):</b>	<b>47</b>	<b>13</b>	<b>60</b>	<b>25</b>	<b>6</b>	<b>31</b>	<b>24</b>	<b>9</b>	<b>33</b>	<b>96</b>	<b>28</b>	<b>124</b>
<b>Grand Total :</b>	<b>292</b>	<b>193</b>	<b>485</b>	<b>121</b>	<b>114</b>	<b>235</b>	<b>124</b>	<b>147</b>	<b>271</b>	<b>537</b>	<b>454</b>	<b>991</b>

#### B.A. (Hons.) Political Science

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A.R.S.D. College	58	13	71	28	15	43	38	19	57	124	47	171
Bharati College (W)	0	49	49	0	39	39	0	33	33	0	121	121
Daulat Ram College (W)	0	76	76	0	62	62	0	64	64	0	202	202
Delhi College of Arts & Commerce	31	7	38	14	6	20	15	9	24	60	22	82
Deshbandhu College	73	38	111	40	24	64	31	22	53	144	84	228
Dyal Singh College	46	18	64	25	20	45	19	12	31	90	50	140
Gargi College (W)	0	83	83	0	44	44	0	42	42	0	169	169
Hindu College	25	21	46	16	23	39	14	17	31	55	61	116
Indraprastha College for Women	0	106	106	0	65	65	0	56	56	0	227	227
Janki Devi Memorial College (W)	0	77	77	0	40	40	0	49	49	0	166	166
Jesus & Mary College (W)	0	45	45	0	31	31	0	45	45	0	121	121
Kalindi College (W)	0	102	102	0	58	58	0	83	83	0	243	243
Kamala Nehru College (W)	0	68	68	0	57	57	0	48	48	0	173	173
Kirori Mal College	30	18	48	23	12	35	15	12	27	68	42	110
Lady Shri Ram College (W)	0	70	70	0	65	65	0	81	81	0	216	216

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Lakshmibai College (W)	0	110	110	0	93	93	0	71	71	0	274	274
Maitreyi College (W)	0	68	68	0	43	43	0	44	44	0	155	155
Mata Sundri College (W)	0	81	81	0	50	50	0	62	62	0	193	193
Miranda House (W)	0	62	62	0	37	37	0	38	38	0	137	137
Moti Lal Nehru College	25	15	40	11	13	24	10	12	22	46	40	86
PGDAV College	25	21	46	25	14	39	18	4	22	68	39	107
Rajdhani College	30	16	46	25	2	27	21	14	35	76	32	108
Ram Lal Anand College	45	13	58	23	15	38	29	10	39	97	38	135
Ramjas College	43	17	60	23	17	40	15	14	29	81	48	129
SGTB Khalsa College	25	17	42	14	10	24	27	13	40	66	40	106
Satyawati College	55	9	64	49	5	54	27	7	34	131	21	152
Shaheed Bhagat Singh College	32	8	40	16	6	22	10	5	15	58	19	77
Shivaji College	32	8	40	26	4	30	28	4	32	86	16	102
Shyam Lal College	29	28	57	25	10	35	9	19	28	63	57	120
Shyama Prasad Mukherji College (W)	0	64	64	0	59	59	0	46	46	0	169	169
Sri Aurobindo College	32	19	51	6	11	17	16	12	28	54	42	96
Sri Venkateswara College	25	17	42	15	11	26	14	7	21	54	35	89
Vivekananda College (W)	0	43	43	0	28	28	0	32	32	0	103	103
Zakir Husain College	63	26	89	31	26	57	18	17	35	112	69	181
Maharaja Agrasen Co-Ed. College	15	19	34	12	20	32	10	12	22	37	51	88
Sri Guru Nanak Dev Khalsa College	34	11	45	20	5	25	11	7	18	65	23	88
<b>Total (Day):</b>	<b>773</b>	<b>1463</b>	<b>2236</b>	<b>467</b>	<b>1040</b>	<b>1507</b>	<b>395</b>	<b>1042</b>	<b>1437</b>	<b>1635</b>	<b>3545</b>	<b>5180</b>

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Deshbandhu College (Eve.)	48	7	55	27	4	31	19	8	27	94	19	113
Dyal Singh College (Eve.)	58	17	75	26	8	34	19	11	30	103	36	139
Moti Lal Nehru College (Eve.)	39	3	42	23	3	26	14	4	18	76	10	86
PGDAV College (Eve.)	34	11	45	13	11	24	15	5	20	62	27	89
Ram Lal Anand College (Eve.)	38	11	49	27	5	32	17	2	19	82	18	100
Satyawati College (Eve.)	39	8	47	28	2	30	16	6	22	83	16	99
Shaheed Bhagat Singh College (Eve.)	45	10	55	13	8	21	21	9	30	79	27	106
Shyam Lal College (Eve.)	35	7	42	17	11	28	20	4	24	72	22	94
Zakir Husain P.G. College (Eve.)	25	1	26	4	0	4	17	1	18	46	2	48
<b>Total (Eve):</b>	<b>361</b>	<b>75</b>	<b>436</b>	<b>178</b>	<b>52</b>	<b>230</b>	<b>158</b>	<b>50</b>	<b>208</b>	<b>697</b>	<b>177</b>	<b>874</b>
<b>Total (Day + Eve):</b>	<b>1134</b>	<b>1538</b>	<b>2672</b>	<b>645</b>	<b>1092</b>	<b>1737</b>	<b>553</b>	<b>1092</b>	<b>1645</b>	<b>2332</b>	<b>3722</b>	<b>6054</b>
School of Open Learning	1996	1780	3776	541	640	1181	420	550	970	2957	2970	5927
<b>Total(Nonformal):</b>	<b>1996</b>	<b>1780</b>	<b>3776</b>	<b>541</b>	<b>640</b>	<b>1181</b>	<b>420</b>	<b>550</b>	<b>970</b>	<b>2957</b>	<b>2970</b>	<b>5927</b>
<b>Grand Total:</b>	<b>3130</b>	<b>3318</b>	<b>6448</b>	<b>1186</b>	<b>1732</b>	<b>2918</b>	<b>973</b>	<b>1642</b>	<b>2615</b>	<b>5289</b>	<b>6692</b>	<b>11981</b>

**B.A. (Hons.) Sociology**

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College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Hindu College	16	16	32	8	14	22	5	20	25	29	50	79
Janki Devi Memorial College (W)	0	24	24	0	17	17	0	28	28	0	69	69
Jesus & Mary College (W)	0	43	43	0	42	42	0	43	43	0	128	128
Kamala Nehru College (W)	0	35	35	0	32	32	0	31	31	0	98	98
Lady Shri Ram College (W)	0	28	28	0	23	23	0	20	20	0	71	71
Maitreyi College (W)	0	33	33	0	17	17	0	18	18	0	68	68
Miranda House (W)	0	41	41	0	33	33	0	29	29	0	103	103
Sri Venkateswara College	15	18	33	4	10	14	8	13	21	27	41	68
<b>Total (Day):</b>	<b>31</b>	<b>238</b>	<b>269</b>	<b>12</b>	<b>188</b>	<b>200</b>	<b>13</b>	<b>202</b>	<b>215</b>	<b>56</b>	<b>628</b>	<b>684</b>
<b>Grand Total :</b>	<b>31</b>	<b>238</b>	<b>269</b>	<b>12</b>	<b>188</b>	<b>200</b>	<b>13</b>	<b>202</b>	<b>215</b>	<b>56</b>	<b>628</b>	<b>684</b>

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**B.A. (Hons.) Social Work**

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Bhim Rao Ambedkar College	24	26	50	16	17	33	13	20	33	53	63	116
Aditi Mahavidyalaya (W)	0	41	41	0	29	29	0	24	24	0	94	94
<b>Total (Day):</b>	<b>24</b>	<b>67</b>	<b>91</b>	<b>16</b>	<b>46</b>	<b>62</b>	<b>13</b>	<b>44</b>	<b>57</b>	<b>53</b>	<b>157</b>	<b>210</b>
<b>Grand Total :</b>	<b>24</b>	<b>67</b>	<b>91</b>	<b>16</b>	<b>46</b>	<b>62</b>	<b>13</b>	<b>44</b>	<b>57</b>	<b>53</b>	<b>157</b>	<b>210</b>

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**B.A. (Hons.) Business Economics**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Bhim Rao Ambedkar College	29	15	44	25	17	42	24	13	37	78	45	123
College of Vocational Studies	26	21	47	22	17	39	22	11	33	70	49	119
Gargi College (W)	0	41	41	0	28	28	0	32	32	0	101	101
Lakshmibai College (W)	0	25	25	0	28	28	0	30	30	0	83	83
SGTB Khalsa College	30	30	60	30	16	46	24	15	39	84	61	145
Sri G. G. S. College of Commerce	24	29	53	22	27	49	18	21	39	64	77	141
Maharaja Agarsen Co-Ed. College	15	15	30	16	12	28	13	14	27	44	41	85
Sri Guru Nanak Dev Khalsa College	36	14	50	19	17	36	24	16	40	79	47	126
<b>Total (Day):</b>	<b>160</b>	<b>190</b>	<b>350</b>	<b>134</b>	<b>162</b>	<b>296</b>	<b>125</b>	<b>152</b>	<b>277</b>	<b>419</b>	<b>504</b>	<b>923</b>
Ram Lal Anand College (Eve.)	37	12	49	19	17	36	26	6	32	82	35	117
<b>Grand Total :</b>	<b>197</b>	<b>202</b>	<b>399</b>	<b>153</b>	<b>179</b>	<b>332</b>	<b>151</b>	<b>158</b>	<b>309</b>	<b>501</b>	<b>539</b>	<b>1040</b>

**B.A. (Hons.) Mathematics**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	0	0	0	3	2	5	1	5	6	4	7	11
Daulat Ram College (W)	0	0	0	0	7	7	0	23	23	0	30	30
Deshbandhu College	0	0	0	5	3	8	2	4	6	7	7	14
Dyal Singh College	0	0	0	10	6	16	9	5	14	19	11	30
Hans Raj College	0	0	0	14	5	19	20	27	47	34	32	66
Hindu College	0	0	0	3	9	12	4	3	7	7	12	19
Indraprastha College for Women	0	37	37	0	31	31	0	24	24	0	92	92
Janki Devi Memorial College (W)	0	43	43	0	16	16	0	29	29	0	88	88
Jesus & Mary College (W)	0	34	34	0	33	33	0	30	30	0	97	97
Kamala Nehru College (W)	0	14	14	0	12	12	0	17	17	0	43	43
Kirori Mal College	0	0	0	7	3	10	3	2	5	10	5	15
Lady Shri Ram College (W)	0	36	36	0	27	27	0	43	43	0	106	106
Lakshmibai College (W)	0	32	32	0	18	18	0	21	21	0	71	71
Maitreyi College (W)	0	0	0	0	2	2	0	4	4	0	6	6
Mata Sundri College (W)	0	46	46	0	26	26	0	18	18	0	90	90
Miranda House (W)	0	0	0	0	21	21	0	34	34	0	55	55
Moti Lal Nehru College	0	0	0	15	1	16	13	7	20	28	8	36
PGDAV College	23	9	32	8	3	11	8	7	15	39	19	58
Rajdhani College	0	0	0	6	3	9	8	6	14	14	9	23
Ramjas College	0	0	0	0	0	0	6	2	8	6	2	8
SGTB Khalsa College	0	0	0	5	1	6	7	3	10	12	4	16

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Satyawati College	22	8	30	6	3	9	3	12	15	31	23	54
Shaheed Bhagat Singh College	17	6	23	15	11	26	10	6	16	42	23	65
Shivaji College	0	0	0	8	3	11	9	2	11	17	5	22
Shyama Prasad Mukherji College (W)	0	36	36	0	14	14	0	21	21	0	71	71
Sri Venkateswara College	0	0	0	7	7	14	5	16	21	12	23	35
St. Stephen's College	0	0	0	20	13	33	15	10	25	35	23	58
Vivekananda College (W)	0	0	0	0	23	23	0	24	24	0	47	47
Zakir Husain College	0	0	0	8	1	9	12	10	22	20	11	31
<b>Total (Day):</b>	<b>62</b>	<b>301</b>	<b>363</b>	<b>140</b>	<b>304</b>	<b>444</b>	<b>135</b>	<b>415</b>	<b>550</b>	<b>337</b>	<b>1020</b>	<b>1357</b>
PGDAV College (Eve.)	0	0	0	5	2	7	10	11	21	15	13	28
<b>Total (Eve):</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>10</b>	<b>11</b>	<b>21</b>	<b>15</b>	<b>13</b>	<b>28</b>
<b>Grand Total :</b>	<b>62</b>	<b>301</b>	<b>363</b>	<b>145</b>	<b>306</b>	<b>451</b>	<b>145</b>	<b>426</b>	<b>571</b>	<b>352</b>	<b>1033</b>	<b>1385</b>

### B.A. (Hons.) Music

Daulat Ram College (W)	0	6	6	0	7	7	0	3	3	0	16	16
Hindu College	8	5	13	2	2	4	3	3	6	13	10	23
Indraprastha College for Women	0	5	5	0	4	4	0	5	5	0	14	14
Miranda House (W)	0	12	12	0	9	9	0	7	7	0	28	28
Ramjas College	7	2	9	6	2	8	5	5	10	18	9	27
<b>Grand Total :</b>	<b>15</b>	<b>30</b>	<b>45</b>	<b>8</b>	<b>24</b>	<b>32</b>	<b>8</b>	<b>23</b>	<b>31</b>	<b>31</b>	<b>77</b>	<b>108</b>

**B.Com. (Hons.)**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	53	78	131	25	53	78	24	32	56	102	163	265
Acharya Narendra Dev College	36	31	67	16	31	47	13	16	29	65	78	143
Bharati College (W)	0	96	96	0	59	59	0	66	66	0	221	221
Bhim Rao Ambedkar College	51	54	105	28	35	63	18	36	54	97	125	222
College of Vocational Studies	31	16	47	17	13	30	25	10	35	73	39	112
Daulat Ram College (W)	0	100	100	0	80	80	0	69	69	0	249	249
Deen Dayal Upadhyaya College	62	49	111	54	39	93	26	22	48	142	110	252
Delhi College of Arts & Commerce	65	17	82	46	19	65	34	13	47	145	49	194
Deshbandhu College	34	20	54	30	5	35	19	11	30	83	36	119
Dyal Singh College	80	84	164	44	60	104	45	48	93	169	192	361
Gargi College (W)	0	107	107	0	71	71	0	99	99	0	277	277
Hans Raj College	131	81	212	90	69	159	75	62	137	296	212	508
Hindu College	43	40	83	17	25	42	25	31	56	85	96	181
Indraprastha College for Women	0	98	98	0	72	72	0	75	75	0	245	245
Janki Devi Memorial College (W)	0	112	112	0	73	73	0	60	60	0	245	245
Jesus & Mary College (W)	0	106	106	0	103	103	0	95	95	0	304	304
Kalindi College (W)	0	32	32	0	23	23	0	25	25	0	80	80
Kamala Nehru College (W)	0	51	51	0	29	29	0	42	42	0	122	122
Kirori Mal College	61	28	89	38	23	61	42	34	76	141	85	226
Lady Shri Ram College (W)	0	48	48	0	40	40	0	72	72	0	160	160
Lakshmibai College (W)	0	82	82	0	52	52	0	69	69	0	203	203

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Maitreyi College (W)	0	54	54	0	42	42	0	88	88	0	184	184
Mata Sundri College (W)	0	143	143	0	172	172	0	143	143	0	458	458
Moti Lal Nehru College	72	65	137	53	32	85	32	46	78	157	143	300
PGDAV College	105	42	147	63	42	105	53	28	81	221	112	333
Rajdhani College	92	28	120	68	27	95	56	61	117	216	116	332
Ram Lal Anand College	34	14	48	12	15	27	28	16	44	74	45	119
Ramjas College	68	35	103	57	26	83	37	17	54	162	78	240
SGTB Khalsa College	96	50	146	73	47	120	82	33	115	251	130	381
Satyawati College	88	35	123	44	50	94	26	43	69	158	128	286
Shaheed Bhagat Singh College	238	97	335	180	59	239	133	38	171	551	194	745
Shivaji College	67	12	79	34	5	39	38	4	42	139	21	160
Shyam Lal College	68	45	113	30	31	61	44	42	86	142	118	260
Shyama Prasad Mukherji College (W)	0	74	74	0	55	55	0	44	44	0	173	173
Sri Aurobindo College	50	11	61	16	10	26	19	13	32	85	34	119
Sri G. G. S. College of Commerce	116	88	204	77	137	214	100	83	183	293	308	601
Shri Ram College of Commerce	240	343	583	176	272	448	152	193	345	568	808	1376
Sri Venkateswara College	39	40	79	23	34	57	30	28	58	92	102	194
Swami Shraddhanand College	28	66	94	39	12	51	18	7	25	85	85	170
Vivekananda College (W)	0	36	36	0	22	22	0	13	13	0	71	71
Zakir Husain College	86	24	110	45	14	59	46	12	58	177	50	227
Keshav Mahavidyalaya	72	64	136	69	60	129	40	43	83	181	167	348

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Aditi Mahavidyalaya (W)	0	37	37	0	28	28	0	16	16	0	81	81
Maharaja Agrasen Co-Ed. College	48	59	107	34	52	86	33	43	76	115	154	269
Sri Guru Nanak Dev Khalsa College	71	48	119	55	37	92	41	40	81	167	125	292
<b>Total (Day):</b>	<b>2325</b>	<b>2840</b>	<b>5165</b>	<b>1553</b>	<b>2255</b>	<b>3808</b>	<b>1354</b>	<b>2081</b>	<b>3435</b>	<b>5232</b>	<b>7176</b>	<b>12408</b>
Deshbandhu College (Eve.)	74	27	101	20	23	43	42	19	61	136	69	205
Dyal Singh College (Eve.)	60	19	79	28	10	38	34	15	49	122	44	166
Moti Lal Nehru College (Eve.)	33	10	43	10	3	13	50	18	68	93	31	124
PGDAV College (Eve.)	36	17	53	6	13	19	10	11	21	52	41	93
Ram Lal Anand College (Eve.)	44	11	55	16	1	17	19	1	20	79	13	92
Satyawati College (Eve.)	81	15	96	22	6	28	19	6	25	122	27	149
Shaheed Bhagat Singh College (Eve.)	30	22	52	9	5	14	11	18	29	50	45	95
Shyam Lal College (Eve.)	76	22	98	23	7	30	22	3	25	121	32	153
Sri Aurobindo College (Eve.)	58	11	69	18	3	21	20	3	23	96	17	113
Zakir Husain P.G. College (Eve.)	47	4	51	33	0	33	30	3	33	110	7	117
<b>Total (Eve):</b>	<b>539</b>	<b>158</b>	<b>697</b>	<b>185</b>	<b>71</b>	<b>256</b>	<b>257</b>	<b>97</b>	<b>354</b>	<b>981</b>	<b>326</b>	<b>1307</b>
<b>Total Regular</b>	<b>2864</b>	<b>2998</b>	<b>5862</b>	<b>1738</b>	<b>2326</b>	<b>4064</b>	<b>1611</b>	<b>2178</b>	<b>3789</b>	<b>6213</b>	<b>7502</b>	<b>13715</b>
School of Open Learning	4184	2355	6539	1284	1073	2357	876	762	1638	6344	4190	10534
<b>Total(Nonformal):</b>	<b>4184</b>	<b>2355</b>	<b>6539</b>	<b>1284</b>	<b>1073</b>	<b>2357</b>	<b>876</b>	<b>762</b>	<b>1638</b>	<b>6344</b>	<b>4190</b>	<b>10534</b>
<b>Grand Total :</b>	<b>7048</b>	<b>5353</b>	<b>12401</b>	<b>3022</b>	<b>3399</b>	<b>6421</b>	<b>2487</b>	<b>2940</b>	<b>5427</b>	<b>12557</b>	<b>11692</b>	<b>24249</b>

**B.Com.**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	90	43	133	88	40	128	64	18	82	242	101	343
Bharati College (W)	0	114	114	0	106	106	0	89	89	0	309	309
Bhim Rao Ambedkar College	72	88	160	73	69	142	61	93	154	206	250	456
Daulat Ram College (W)	0	68	68	0	58	58	0	43	43	0	169	169
Delhi College of Arts & Commerce	86	22	108	61	17	78	66	14	80	213	53	266
Dyal Singh College	111	72	183	95	61	156	66	54	120	272	187	459
Gargi College (W)	0	146	146	0	88	88	0	92	92	0	326	326
Janki Devi Memorial College (W)	0	62	62	0	61	61	0	46	46	0	169	169
Jesus & Mary College (W)	0	59	59	0	51	51	0	52	52	0	162	162
Kalindi College (W)	0	70	70	0	68	68	0	46	46	0	184	184
Kamala Nehru College (W)	0	109	109	0	84	84	0	79	79	0	272	272
Kirori Mal College	64	22	86	42	24	66	35	13	48	141	59	200
Lakshmibai College (W)	0	133	133	0	121	121	0	74	74	0	328	328
Maitreyi College (W)	0	82	82	0	60	60	0	82	82	0	224	224
Mata Sundri College (W)	0	203	203	0	240	240	0	198	198	0	641	641
Moti Lal Nehru College	111	52	163	90	30	120	69	31	100	270	113	383
PGDAV College	146	54	200	106	29	135	118	39	157	370	122	492
Ram Lal Anand College	41	11	52	21	11	32	40	27	67	102	49	151
Ramjas College	48	11	59	35	8	43	31	10	41	114	29	143
SGTB Khalsa College	38	14	52	37	23	60	51	16	67	126	53	179
Satyawati College	98	24	122	64	25	89	74	32	106	236	81	317
Shaheed Bhagat Singh College	101	29	130	103	28	131	87	17	104	291	74	365

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shivaji College	68	4	72	69	6	75	46	5	51	183	15	198
Shyam Lal College	82	35	117	77	33	110	53	26	79	212	94	306
Shyama Prasad Mukherji College (W)	0	165	165	0	89	89	0	103	103	0	357	357
Sri Aurobindo College	191	48	239	127	30	157	106	41	147	424	119	543
Sri G. G. S. College of Commerce	119	67	186	125	86	211	119	98	217	363	251	614
Sri Venkateswara College	50	26	76	32	25	57	32	25	57	114	76	190
Swami Shraddhanand College	349	58	407	180	33	213	147	14	161	676	105	781
Vivekananda College (W)	0	140	140	0	91	91	0	73	73	0	304	304
Zakir Husain College	44	13	57	54	5	59	44	10	54	142	28	170
Bhagini Nivedita College (W)	0	89	89	0	43	43	0	26	26	0	158	158
Aditi Mahavidyalaya (W)	0	47	47	0	27	27	0	40	40	0	114	114
Sri Guru Nanak Dev Khalsa College	162	36	198	127	35	162	129	63	192	418	134	552
<b>Total (Day):</b>	<b>2071</b>	<b>2216</b>	<b>4287</b>	<b>1606</b>	<b>1805</b>	<b>3411</b>	<b>1438</b>	<b>1689</b>	<b>3127</b>	<b>5115</b>	<b>5710</b>	<b>10825</b>
Deshbandhu College (Eve.)	187	54	241	95	41	136	118	57	175	400	152	552
Dyal Singh College (Eve.)	105	30	135	71	25	96	74	28	102	250	83	333
Moti Lal Nehru College (Eve.)	49	21	70	24	17	41	80	17	97	153	55	208
PGDAV College (Eve.)	122	37	159	60	29	89	52	34	86	234	100	334
Ram Lal Anand College (Eve.)	139	19	158	75	11	86	71	9	80	285	39	324
Satyawati College (Eve.)	128	38	166	61	13	74	62	16	78	251	67	318
Shaheed Bhagat Singh College (Eve.)	28	113	141	126	72	198	91	77	168	245	262	507



College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shyam Lal College (Eve.)	154	49	203	99	13	112	106	22	128	359	84	443
Sri Aurobindo College (Eve.)	175	31	206	97	18	115	102	26	128	374	75	449
Zakir Husain P.G. College (Eve.)	125	4	129	62	6	68	79	11	90	266	21	287
<b>Total (Eve):</b>	<b>1212</b>	<b>396</b>	<b>1608</b>	<b>770</b>	<b>245</b>	<b>1015</b>	<b>835</b>	<b>297</b>	<b>1132</b>	<b>2817</b>	<b>938</b>	<b>3755</b>
<b>Total (Regular) :</b>	<b>3283</b>	<b>2612</b>	<b>5895</b>	<b>2376</b>	<b>2050</b>	<b>4426</b>	<b>2273</b>	<b>1986</b>	<b>4259</b>	<b>7932</b>	<b>6648</b>	<b>14580</b>
External Candidate's Cell	0	0	0	0	0	0	972	525	1497	972	525	1497
Non-Collegiate Women's Edn. Board	0	1455	1455	0	1329	1329	0	1481	1481	0	4265	4265
School of Open Learning	25270	13244	38514	12309	8961	21270	8392	7185	15577	45971	29390	75361
<b>Total (Non-formal) :</b>	<b>25270</b>	<b>14699</b>	<b>39969</b>	<b>12309</b>	<b>10290</b>	<b>22599</b>	<b>9364</b>	<b>9191</b>	<b>18555</b>	<b>46943</b>	<b>34180</b>	<b>81123</b>
<b>Grand Total:</b>	<b>28553</b>	<b>17311</b>	<b>45864</b>	<b>14685</b>	<b>12340</b>	<b>27025</b>	<b>11637</b>	<b>11177</b>	<b>22814</b>	<b>54875</b>	<b>40828</b>	<b>95703</b>

**Bachelor of Business Studies**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shaheed Sukhdev College of Business Studies	91	83	174	57	62	119	65	47	112	213	192	405
Deen Dayal Upadhyaya College	21	17	38	6	13	19	8	18	26	35	48	83
Keshav Mahavidyalaya	28	13	41	14	12	26	13	9	22	55	34	89
<b>Total (Day):</b>	<b>140</b>	<b>113</b>	<b>253</b>	<b>77</b>	<b>87</b>	<b>164</b>	<b>86</b>	<b>74</b>	<b>160</b>	<b>303</b>	<b>274</b>	<b>577</b>
<b>Grand Total :</b>	<b>140</b>	<b>113</b>	<b>253</b>	<b>77</b>	<b>87</b>	<b>164</b>	<b>86</b>	<b>74</b>	<b>160</b>	<b>303</b>	<b>274</b>	<b>577</b>

**Bachelor of Financial and Investment Analysis**

Shaheed Sukhdev College of Business Studies	34	22	56	22	18	40	24	15	39	80	55	135
<b>Total :</b>	<b>34</b>	<b>22</b>	<b>56</b>	<b>22</b>	<b>18</b>	<b>40</b>	<b>24</b>	<b>15</b>	<b>39</b>	<b>80</b>	<b>55</b>	<b>135</b>

**Bachelor of Mass Media & Mass Communication**

Indraprastha College for Women	0	48	48	0	39	39	0	28	28	0	115	115
<b>Total :</b>	<b>0</b>	<b>48</b>	<b>48</b>	<b>0</b>	<b>39</b>	<b>39</b>	<b>0</b>	<b>28</b>	<b>28</b>	<b>0</b>	<b>115</b>	<b>115</b>

**B.Sc. Physical Sciences**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	59	34	93	16	5	21	22	23	45	97	62	159
Acharya Narendra Dev College	46	16	62	14	5	19	13	5	18	73	26	99
Deen Dayal Upadhyaya College	40	36	76	15	19	34	15	22	37	70	77	147
Deshbandhu College	69	21	90	22	5	27	32	12	44	123	38	161
Dyal Singh College	110	45	155	60	32	92	21	17	38	191	94	285
Gargi College (W)	0	51	51	0	23	23	0	14	14	0	88	88
Hans Raj College	39	11	50	24	14	38	0	0	0	63	25	88
Hindu College	48	22	70	12	7	19	12	15	27	72	44	116
Kirori Mal College	84	24	108	22	12	34	19	7	26	125	43	168
Maitreyi College (W)	0	32	32	0	20	20	0	13	13	0	65	65
Moti Lal Nehru College	39	28	67	24	19	43	9	6	15	72	53	125
Rajdhani College	35	17	52	20	13	33	8	10	18	63	40	103
Ramjas College	113	32	145	62	29	91	29	21	50	204	82	286
SGTB Khalsa College	34	19	53	24	23	47	2	3	5	60	45	105
Sherbutse College (Bhutan)	0	0	0	0	0	0	25	10	35	25	10	35
Shivaji College	24	12	36	6	0	6	11	2	13	41	14	55
Shyam Lal College	77	57	134	27	42	69	36	43	79	140	142	282
Sri Aurobindo College	60	10	70	16	1	17	10	14	24	86	25	111
St. Stephen's College	27	12	39	5	5	10	9	4	13	41	21	62
Swami Shraddhanand College	24	66	90	12	10	22	15	11	26	51	87	138
Zakir Husain College	25	10	35	7	3	10	22	10	32	54	23	77
<b>Total :</b>	<b>953</b>	<b>555</b>	<b>1508</b>	<b>388</b>	<b>287</b>	<b>675</b>	<b>310</b>	<b>262</b>	<b>572</b>	<b>1651</b>	<b>1104</b>	<b>2755</b>

**B.Sc. Life Sciences**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	17	14	31	8	14	22	6	9	15	31	37	68
Daulat Ram College (W)	0	50	50	0	46	46	0	32	32	0	128	128
Deen Dayal Upadhyaya College	22	50	72	9	40	49	8	37	45	39	127	166
Deshbandhu College	33	22	55	16	13	29	15	12	27	64	47	111
Dyal Singh College	27	38	65	14	22	36	6	27	33	47	87	134
Gargi College (W)	0	59	59	0	43	43	0	38	38	0	140	140
Hans Raj College	29	25	54	29	29	58	10	22	32	68	76	144
Kalindi College (W)	0	26	26	0	7	7	0	9	9	0	42	42
Kirori Mal College	21	13	34	10	12	22	11	13	24	42	38	80
Maitreyi College (W)	0	46	46	0	24	24	0	29	29	0	99	99
Miranda House (W)	0	32	32	0	16	16	0	17	17	0	65	65
Ramjas College	34	20	54	25	22	47	22	25	47	81	67	148
SGTB Khalsa College	6	25	31	18	20	38	17	15	32	41	60	101
Sherbutse College (Bhutan)	0	0	0	0	0	0	24	11	35	24	11	35
Shivaji College	48	46	94	24	34	58	14	18	32	86	98	184
Sri Aurobindo College	28	32	60	17	7	24	4	9	13	49	48	97
Sri Venkateswara College	50	51	101	18	36	54	14	16	30	82	103	185
Swami Shraddhanand College	34	14	48	17	9	26	16	19	35	67	42	109
Zakir Husain College	22	21	43	15	11	26	16	20	36	53	52	105
<b>Total (Day):</b>	<b>371</b>	<b>584</b>	<b>955</b>	<b>220</b>	<b>405</b>	<b>625</b>	<b>183</b>	<b>378</b>	<b>561</b>	<b>774</b>	<b>1367</b>	<b>2141</b>
<b>Grand Total :</b>	<b>371</b>	<b>584</b>	<b>955</b>	<b>220</b>	<b>405</b>	<b>625</b>	<b>183</b>	<b>378</b>	<b>561</b>	<b>774</b>	<b>1367</b>	<b>2141</b>

### B.Sc. Applied Physical Sciences

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	98	41	139	23	16	39	24	21	45	145	78	223
Acharya Narendra Dev College	27	11	38	19	7	26	8	4	12	54	22	76
Deen Dayal Upadhyaya College	28	18	46	20	24	44	14	17	31	62	59	121
Deshbandhu College	73	21	94	41	15	56	35	14	49	149	50	199
Dyal Singh College	58	23	81	23	19	42	12	14	26	93	56	149
Hans Raj College	18	5	23	23	7	30	13	4	17	54	16	70
Hindu College	27	13	40	17	2	19	11	5	16	55	20	75
Kalindi College (W)	0	31	31	0	9	9	0	13	13	0	53	53
Kirori Mal College	45	23	68	23	13	36	27	16	43	95	52	147
Miranda House (W)	0	33	33	0	22	22	0	18	18	0	73	73
Moti Lal Nehru College	24	7	31	11	19	30	6	12	18	41	38	79
Rajdhani College	101	32	133	41	12	53	30	23	53	172	67	239
Ramjas College	45	5	50	18	17	35	15	7	22	78	29	107
SGTB Khalsa College	18	3	21	11	12	23	13	4	17	42	19	61
Shivaji College	55	8	63	11	7	18	18	3	21	84	18	102
Shyam Lal College	29	6	35	9	9	18	5	4	9	43	19	62
St. Stephen's College	18	4	22	8	9	17	15	6	21	41	19	60
Bhagini Nivedita College (W)	0	22	22	0	19	19	0	11	11	0	52	52
Keshav Mahavidyalaya	31	17	48	8	14	22	2	6	8	41	37	78
Maharaja Agrasen Co-Ed. College	16	8	24	9	8	17	4	7	11	29	23	52
<b>Total (Day):</b>	<b>711</b>	<b>331</b>	<b>1042</b>	<b>315</b>	<b>260</b>	<b>575</b>	<b>252</b>	<b>209</b>	<b>461</b>	<b>1278</b>	<b>800</b>	<b>2078</b>

**B.Sc. Applied Life Sciences**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	15	15	30	8	10	18	5	8	13	28	33	61
Kalindi College (W)	0	23	23	0	5	5	0	9	9	0	37	37
Maitreyi College (W)	0	22	22	0	14	14	0	10	10	0	46	46
Ramjas College	11	23	34	7	22	29	12	15	27	30	60	90
Swami Shraddhanand College	9	8	17	3	4	7	10	8	18	22	20	42
<b>Total :</b>	<b>35</b>	<b>91</b>	<b>126</b>	<b>18</b>	<b>55</b>	<b>73</b>	<b>27</b>	<b>50</b>	<b>77</b>	<b>80</b>	<b>196</b>	<b>276</b>

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**B.Sc. (Genl.) Mathematical Sciences**

PGDAV College	26	5	31	17	8	25	14	11	25	57	24	81
Keshav Mahavidyalaya	15	19	34	19	19	38	17	13	30	51	51	102
Maharaja Agrasen Co-Ed. College	20	15	35	11	8	19	11	15	26	42	38	80
<b>Total :</b>	<b>61</b>	<b>39</b>	<b>100</b>	<b>47</b>	<b>35</b>	<b>82</b>	<b>42</b>	<b>39</b>	<b>81</b>	<b>150</b>	<b>113</b>	<b>263</b>

**B.Sc. (Home Science)**

Institute of Home Economics (W)	0	124	124	0	128	128	0	92	92	0	344	344
Lady Irwin College (W)	0	193	193	0	163	163	0	127	127	0	483	483
<b>Total :</b>	<b>0</b>	<b>317</b>	<b>317</b>	<b>0</b>	<b>291</b>	<b>291</b>	<b>0</b>	<b>219</b>	<b>219</b>	<b>0</b>	<b>827</b>	<b>827</b>

**B.Sc. (Phy. Edu. & Health Edu. & Sports Sc.)**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
I.G.Inst. of Phy. Edu. & Sports Sc.	62	31	93	65	14	79	44	15	59	171	60	231
<b>Total :</b>	<b>62</b>	<b>31</b>	<b>93</b>	<b>65</b>	<b>14</b>	<b>79</b>	<b>44</b>	<b>15</b>	<b>59</b>	<b>171</b>	<b>60</b>	<b>231</b>

**Becheloar of Elementary Education**

College	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Gargi College (W)	0	36	36	0	26	26	0	19	19	0	24	24	0	0	0	0	105	105
Institute of Home Economics (W)	0	54	54	0	27	27	0	32	32	0	30	30	0	0	0	0	143	143
Jesus&Mary College (W)	0	35	35	0	29	29	0	32	32	0	31	31	0	0	0	0	127	127
Lady Shri Ram College (W)	0	33	33	0	21	21	0	14	14	0	23	23	0	0	0	0	91	91
Mata Sundri College (W)	0	48	48	0	40	40	0	34	34	0	0	0	0	0	0	0	122	122
Miranda House (W)	0	49	49	0	35	35	0	29	29	0	35	35	0	0	0	0	148	148
Shyama Prasad Mukherji College (W)	0	55	55	0	36	36	0	29	29	0	25	25	0	0	0	0	145	145
Aditi Mahavidyalaya (W)	0	65	65	0	27	27	0	26	26	0	26	26	0	0	0	0	144	144
<b>Total :</b>	<b>0</b>	<b>375</b>	<b>375</b>	<b>0</b>	<b>241</b>	<b>241</b>	<b>0</b>	<b>215</b>	<b>215</b>	<b>0</b>	<b>194</b>	<b>194</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1025</b>	<b>1025</b>

**B.Sc. (Hons.)**

College	I Year			II Year			III Year			IV Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	279	181	460	52	62	114	53	45	98	0	0	0	384	288	672
Acharya Narendra Dev College	180	129	309	78	85	163	68	56	124	0	0	0	326	270	596
S.R.G. College of App. Scs.	0	59	59	0	48	48	0	45	45	0	0	0	0	152	152
S.S. College of Business St.	29	14	43	10	13	23	9	13	22	0	0	0	48	40	88
College of Vocational Studies	28	15	43	15	5	20	15	12	27	0	0	0	58	32	90
Daulat Ram College (W)	0	205	205	0	103	103	0	81	81	0	0	0	0	389	389
Deen Dayal Upadhyaya College	130	70	200	65	58	123	58	44	102	0	0	0	253	172	425
Deshbandhu College	222	116	338	68	45	113	58	57	115	0	0	0	348	218	566
Dyal Singh College	236	100	336	46	58	104	36	55	91	0	0	0	318	213	531
Gargi College (W)	0	232	232	0	101	101	0	89	89	0	0	0	0	422	422
Hans Raj College	333	278	611	182	140	322	107	116	223	0	0	0	622	534	1156
Hindu College	193	221	414	66	92	158	67	82	149	0	0	0	326	395	721
Indraprastha College for Women	0	48	48	0	29	29	0	28	28	0	0	0	0	105	105
Institute of Home Economics (W)	0	73	73	0	47	47	0	64	64	0	0	0	0	184	184
Kalindi College (W)	0	90	90	0	63	63	0	58	58	0	0	0	0	211	211
Kirori Mal College	302	178	480	93	53	146	91	55	146	0	0	0	486	286	772
Lady Irwin College (W)	0	94	94	0	71	71	0	76	76	0	0	0	0	241	241
Lady Shri Ram College (W)	0	28	28	0	20	20	0	31	31	0	0	0	0	79	79
Maitreyi College (W)	0	176	176	0	79	79	0	45	45	0	0	0	0	300	300
Miranda House (W)	0	317	317	0	168	168	0	107	107	0	0	0	0	592	592
Moti Lal Nehru College	153	91	244	25	21	46	35	22	57	0	0	0	213	134	347



College	I Year			II Year			III Year			IV Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
PGDAV College	55	9	64	20	21	41	24	10	34	0	0	0	99	40	139
R.A.K. College of Nursing (W)	0	59	59	0	52	52	0	42	42	0	45	45	0	198	198
Rajdhani College	166	63	229	38	27	65	35	30	65	0	0	0	239	120	359
Ram Lal Anand College	96	71	167	49	38	87	36	39	75	0	0	0	181	148	329
Ramjas College	434	181	615	118	68	186	70	64	134	0	0	0	622	313	935
S.G.T.B. Khalsa College	120	144	264	70	59	129	61	75	136	0	0	0	251	278	529
Shivaji College	201	126	327	58	43	101	44	37	81	0	0	0	303	206	509
Shyama Prasad Mukherji College (W)	0	42	42	0	32	32	0	23	23	0	0	0	0	97	97
Sri Aurobindo College	27	4	31	4	2	6	10	9	19	0	0	0	41	15	56
S.G. G. S. College of Commerce	25	21	46	16	26	42	10	20	30	0	0	0	51	67	118
Sri Venkateswara College	250	327	577	52	114	166	62	117	179	0	0	0	364	558	922
St. Stephen's College	72	84	156	30	48	78	40	53	93	0	0	0	142	185	327
Swami Shraddhanand College	71	36	107	12	14	26	29	21	50	0	0	0	112	71	183
Vivekananda College (W)	0	37	37	0	0	0	0	0	0	0	0	0	0	37	37
Zakir Husain College	128	58	186	31	33	64	40	49	89	0	0	0	199	140	339
Keshav Mahavidyalaya	159	131	290	88	73	161	29	50	79	0	0	0	276	254	530
Maharaja Agrasen Co-Ed. College	16	9	25	8	5	13	6	9	15	0	0	0	30	23	53
Bhaskaracharya Col. of Appl. Scs.	97	100	197	28	65	93	28	55	83	0	0	0	153	220	373
Ahilya Bai College of Nursing	0	29	29	0	25	25	0	26	26	0	24	24	0	104	104
<b>Total (Day):</b>	<b>4002</b>	<b>4246</b>	<b>8248</b>	<b>1322</b>	<b>2106</b>	<b>3428</b>	<b>1121</b>	<b>1910</b>	<b>3031</b>	<b>0</b>	<b>69</b>	<b>69</b>	<b>6445</b>	<b>8331</b>	<b>14776</b>
P.G.D.A.V. College (Eve.)	23	4	27	0	0	0	0	0	0	0	0	0	23	4	27
<b>Total (Day + Eve):</b>	<b>4025</b>	<b>4250</b>	<b>8275</b>	<b>1322</b>	<b>2106</b>	<b>3428</b>	<b>1121</b>	<b>1910</b>	<b>3031</b>	<b>0</b>	<b>69</b>	<b>69</b>	<b>6468</b>	<b>8335</b>	<b>14803</b>

**B.Sc. (Hons.) Subject-wise**

Course	I Year			II Year			III Year			IV Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Mathematics	767	735	1502	183	232	415	155	197	352	0	0	0	1105	1164	2269
Statistics	143	150	293	55	74	129	50	100	150	0	0	0	248	324	572
Computer Science	362	412	774	193	298	491	153	276	429	0	0	0	708	986	1694
Anthropology	2	0	2	4	3	7	5	3	8	0	0	0	11	6	17
Applied Zoology	15	17	32	6	10	16	3	11	14	0	0	0	24	38	62
Botany	212	375	587	125	252	377	96	214	310	0	0	0	433	841	1274
Chemistry	743	891	1634	195	291	486	139	217	356	0	0	0	1077	1399	2476
Geology	67	23	90	38	22	60	16	4	20	0	0	0	121	49	170
Home Science	0	129	129	0	92	92	0	109	109	0	0	0	0	330	330
Nursing	0	88	88	0	77	77	0	68	68	0	69	69	0	302	302
Physics	1130	647	1777	255	273	528	265	234	499	0	0	0	1650	1154	2804
Zoology	200	367	567	103	238	341	96	205	301	0	0	0	399	810	1209
Polymer Science	24	12	36	6	8	14	9	14	23	0	0	0	39	34	73
Bio-Chemistry	24	108	132	13	48	61	10	57	67	0	0	0	47	213	260
Electronics	266	118	384	112	71	183	93	64	157	0	0	0	471	253	724
Microbiology	33	90	123	13	54	67	10	77	87	0	0	0	56	221	277
Bio-Medical Sciences	31	76	107	20	53	73	16	44	60	0	0	0	67	173	240
Biological Science	6	12	18	1	10	11	5	16	21	0	0	0	12	38	50
<b>Total:</b>	<b>4025</b>	<b>4250</b>	<b>8275</b>	<b>1322</b>	<b>2106</b>	<b>3428</b>	<b>1121</b>	<b>1910</b>	<b>3031</b>	<b>0</b>	<b>69</b>	<b>69</b>	<b>6468</b>	<b>8335</b>	<b>14803</b>

**B.Sc. (Hons.) Mathematics**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	85	61	146	10	14	24	7	4	11	102	79	181
Acharya Narendra Dev College	16	22	38	8	13	21	9	14	23	33	49	82
Daulat Ram College (W)	0	43	43	0	18	18	0	10	10	0	71	71
Deen Dayal Upadhyaya College	34	28	62	16	22	38	13	15	28	63	65	128
Deshbandhu College	69	20	89	17	6	23	12	5	17	98	31	129
Dyal Singh College	90	28	118	10	18	28	17	14	31	117	60	177
Hans Raj College	28	25	53	11	8	19	7	6	13	46	39	85
Hindu College	14	21	35	10	12	22	11	13	24	35	46	81
Kalindi College (W)	0	21	21	0	10	10	0	8	8	0	39	39
Kirori Mal College	34	20	54	4	8	12	7	8	15	45	36	81
Maitreyi College (W)	0	44	44	0	20	20	0	14	14	0	78	78
Miranda House (W)	0	72	72	0	24	24	0	18	18	0	114	114
Moti Lal Nehru College	57	27	84	8	5	13	10	2	12	75	34	109
Rajdhani College	46	20	66	8	12	20	7	9	16	61	41	102
Ramjas College	62	40	102	20	5	25	10	5	15	92	50	142
SGTB Khalsa College	15	22	37	5	2	7	7	13	20	27	37	64
Shivaji College	46	29	75	24	6	30	13	5	18	83	40	123
Sri Venkateswara College	49	67	116	7	4	11	5	9	14	61	80	141
St. Stephen's College	21	29	50	10	10	20	8	11	19	39	50	89
Vivekananda College (W)	0	37	37	0	0	0	0	0	0	0	37	37
Zakir Husain College	40	19	59	2	4	6	8	3	11	50	26	76
Keshav Mahavidyalaya	38	36	74	13	11	24	4	11	15	55	58	113
<b>Total (Day):</b>	<b>744</b>	<b>731</b>	<b>1475</b>	<b>183</b>	<b>232</b>	<b>415</b>	<b>155</b>	<b>197</b>	<b>352</b>	<b>1082</b>	<b>1160</b>	<b>2242</b>
P.G.D.A.V. College (Eve.)	23	4	27	0	0	0	0	0	0	23	4	27
<b>Grand Total :</b>	<b>767</b>	<b>735</b>	<b>1502</b>	<b>183</b>	<b>232</b>	<b>415</b>	<b>155</b>	<b>197</b>	<b>352</b>	<b>1105</b>	<b>1164</b>	<b>2269</b>

**B.Sc. (Hons.) Statistics**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Hindu College	14	16	30	9	11	20	6	12	18	29	39	68
Kirori Mal College	13	16	29	14	7	21	10	13	23	37	36	73
Lady Shri Ram College (W)	0	28	28	0	20	20	0	31	31	0	79	79
PGDAV College	23	4	27	6	7	13	9	4	13	38	15	53
Ram Lal Anand College	22	14	36	4	6	10	8	13	21	34	33	67
Ramjas College	45	30	75	17	10	27	9	10	19	71	50	121
Sri Venkateswara College	26	42	68	5	13	18	8	17	25	39	72	111
<b>Total :</b>	<b>143</b>	<b>150</b>	<b>293</b>	<b>55</b>	<b>74</b>	<b>129</b>	<b>50</b>	<b>100</b>	<b>150</b>	<b>248</b>	<b>324</b>	<b>572</b>

**B.Sc. (Hons.) Computer Science**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	11	23	34	9	12	21	14	23	37	34	58	92
Acharya Narendra Dev College	47	16	63	22	11	33	20	8	28	89	35	124
S. R. G. College of Applied Sciences	0	31	31	0	28	28	0	28	28	0	87	87
S. S. College of Business Studies	29	14	43	10	13	23	9	13	22	48	40	88
College of Vocational Studies	28	15	43	15	5	20	15	12	27	58	32	90
Deen Dayal Upadhyaya College	29	20	49	21	9	30	16	11	27	66	40	106
Hans Raj College	30	29	59	15	14	29	10	21	31	55	64	119
Indraprastha College for Women	0	48	48	0	29	29	0	28	28	0	105	105
Kalindi College (W)	0	35	35	0	35	35	0	38	38	0	108	108
PGDAV College	32	5	37	14	14	28	15	6	21	61	25	86
Ram Lal Anand College	41	22	63	29	14	43	23	12	35	93	48	141
Shyama Prasad Mukherji College (W)	0	42	42	0	32	32	0	23	23	0	97	97
S.G.G. S. College of Commerce	25	21	46	16	26	42	10	20	30	51	67	118
Keshav Mahavidyalaya	65	61	126	37	39	76	14	25	39	116	125	241
Bhaskaracharya College of Applied Scs.	25	30	55	5	17	22	7	8	15	37	55	92
<b>Total :</b>	<b>362</b>	<b>412</b>	<b>774</b>	<b>193</b>	<b>298</b>	<b>491</b>	<b>153</b>	<b>276</b>	<b>429</b>	<b>708</b>	<b>986</b>	<b>1694</b>

**B.Sc. (Hons.) Anthropology**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Hans Raj College	2	0	2	4	3	7	5	3	8	11	6	17
<b>Total :</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>5</b>	<b>3</b>	<b>8</b>	<b>11</b>	<b>6</b>	<b>17</b>

**B.Sc. (Hons.) Applied Zoology**

Dyal Singh College	15	17	32	6	10	16	3	11	14	24	38	62
<b>Total :</b>	<b>15</b>	<b>17</b>	<b>32</b>	<b>6</b>	<b>10</b>	<b>16</b>	<b>3</b>	<b>11</b>	<b>14</b>	<b>24</b>	<b>38</b>	<b>62</b>

**B.Sc. (Hons.) Botany**

Acharya Narendra Dev College	20	18	38	10	12	22	5	2	7	35	32	67
Daulat Ram College (W)	0	38	38	0	33	33	0	22	22	0	93	93
Deshbandhu College	32	23	55	21	11	32	5	16	21	58	50	108
Dyal Singh College	19	14	33	8	13	21	3	8	11	30	35	65
Gargi College (W)	0	48	48	0	28	28	0	14	14	0	90	90
Hans Raj College	28	27	55	23	27	50	16	28	44	67	82	149
Hindu College	8	21	29	7	15	22	9	10	19	24	46	70
Kirori Mal College	19	17	36	5	5	10	13	10	23	37	32	69
Maitreyi College (W)	0	22	22	0	17	17	0	14	14	0	53	53
Miranda House (W)	0	40	40	0	27	27	0	14	14	0	81	81
Ramjas College	21	25	46	13	12	25	7	15	22	41	52	93

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
SGTB Khalsa College	16	29	45	13	18	31	9	19	28	38	66	104
Shivaji College	15	20	35	8	15	23	5	9	14	28	44	72
Sri Venkateswara College	11	22	33	7	10	17	3	13	16	21	45	66
Swami Shraddhanand College	9	3	12	4	3	7	15	6	21	28	12	40
Zakir Husain College	14	8	22	6	6	12	6	14	20	26	28	54
<b>Total :</b>	<b>212</b>	<b>375</b>	<b>587</b>	<b>125</b>	<b>252</b>	<b>377</b>	<b>96</b>	<b>214</b>	<b>310</b>	<b>433</b>	<b>841</b>	<b>1274</b>

### B.Sc.(Hons.) Chemistry

A.R.S.D. College	90	63	153	11	23	34	9	10	19	110	96	206
Acharya Narendra Dev College	20	20	40	7	6	13	4	8	12	31	34	65
Daulat Ram College (W)	0	55	55	0	15	15	0	9	9	0	79	79
Deshbandhu College	37	19	56	6	4	10	7	6	13	50	29	79
Dyal Singh College	38	28	66	6	11	17	5	12	17	49	51	100
Gargi College (W)	0	59	59	0	14	14	0	17	17	0	90	90
Hans Raj College	71	87	158	39	22	61	13	14	27	123	123	246
Hindu College	62	77	139	11	20	31	10	19	29	83	116	199
Kirori Mal College	88	66	154	34	17	51	22	9	31	144	92	236
Maitreyi College (W)	0	35	35	0	9	9	0	2	2	0	46	46
Miranda House (W)	0	79	79	0	47	47	0	19	19	0	145	145
Moti Lal Nehru College	17	32	49	7	7	14	6	7	13	30	46	76
Rajdhani College	41	32	73	6	9	15	6	10	16	53	51	104

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Ramjas College	121	49	170	20	19	39	13	15	28	154	83	237
SGTB Khalsa College	16	29	45	18	11	29	6	4	10	40	44	84
Shivaji College	33	24	57	7	4	11	5	2	7	45	30	75
Sri Venkateswara College	57	85	142	8	26	34	10	18	28	75	129	204
St. Stephen's College	17	33	50	9	17	26	12	21	33	38	71	109
Zakir Husain College	35	19	54	6	10	16	11	15	26	52	44	96
<b>Total (Day):</b>	<b>743</b>	<b>891</b>	<b>1634</b>	<b>195</b>	<b>291</b>	<b>486</b>	<b>139</b>	<b>217</b>	<b>356</b>	<b>1077</b>	<b>1399</b>	<b>2476</b>

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**B.Sc. (Hons.) Geology**

Hans Raj College	45	11	56	27	12	39	16	4	20	88	27	115
Ram Lal Anand College	22	12	34	11	10	21	0	0	0	33	22	55
<b>Total :</b>	<b>67</b>	<b>23</b>	<b>90</b>	<b>38</b>	<b>22</b>	<b>60</b>	<b>16</b>	<b>4</b>	<b>20</b>	<b>121</b>	<b>49</b>	<b>170</b>

**B.Sc. (Hons.) Home Science**

Institute of Home Economics (W)	0	35	35	0	21	21	0	33	33	0	89	89
Lady Irwin College (W)	0	94	94	0	71	71	0	76	76	0	241	241
<b>Total :</b>	<b>0</b>	<b>129</b>	<b>129</b>	<b>0</b>	<b>92</b>	<b>92</b>	<b>0</b>	<b>109</b>	<b>109</b>	<b>0</b>	<b>330</b>	<b>330</b>



**B.Sc. (Hons.) Nursing**

College	I Year			II Year			III Year			IV Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
R.A.K. College of Nursing (W)	0	59	59	0	52	52	0	42	42	0	45	45	0	198	198
Ahilya Bai Col. of Nursing	0	29	29	0	25	25	0	26	26	0	24	24	0	104	104
<b>Total :</b>	<b>0</b>	<b>88</b>	<b>88</b>	<b>0</b>	<b>77</b>	<b>77</b>	<b>0</b>	<b>68</b>	<b>68</b>	<b>0</b>	<b>69</b>	<b>69</b>	<b>0</b>	<b>302</b>	<b>302</b>

**B.Sc. (Hons.) Physics**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	71	26	97	16	7	23	13	8	21	100	41	141
Acharya Narendra Dev College	23	9	32	4	8	12	7	4	11	34	21	55
Deen Dayal Upadhyaya College	42	14	56	15	15	30	16	11	27	73	40	113
Deshbandhu College	46	11	57	12	4	16	24	9	33	82	24	106
Dyal Singh College	74	13	87	16	6	22	8	10	18	98	29	127
Gargi College (W)	0	54	54	0	16	16	0	12	12	0	82	82
Hans Raj College	73	50	123	24	24	48	17	13	30	114	87	201
Hindu College	87	65	152	22	19	41	22	18	40	131	102	233
Kalindi College (W)	0	34	34	0	18	18	0	12	12	0	64	64
Kirori Mal College	130	38	168	26	8	34	34	7	41	190	53	243
Maitreyi College (W)	0	44	44	0	22	22	0	7	7	0	73	73
Miranda House (W)	0	91	91	0	43	43	0	31	31	0	165	165

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Moti Lal Nehru College	79	32	111	10	9	19	19	13	32	108	54	162
Rajdhani College	52	8	60	16	3	19	13	7	20	81	18	99
Ramjas College	155	25	180	33	9	42	19	7	26	207	41	248
SGTB Khalsa College	50	20	70	13	9	22	18	18	36	81	47	128
Shivaji College	76	18	94	5	3	8	15	4	19	96	25	121
Sri Venkateswara College	46	29	75	7	9	16	7	12	19	60	50	110
St. Stephen's College	34	22	56	11	21	32	20	21	41	65	64	129
Swami Shraddhanand College	38	12	50	4	2	6	5	3	8	47	17	64
Keshav Mahavidyalaya	29	16	45	17	9	26	5	5	10	51	30	81
Bhaskaracharya College of Applied Scs.	25	16	41	4	9	13	3	2	5	32	27	59
<b>Total :</b>	<b>1130</b>	<b>647</b>	<b>1777</b>	<b>255</b>	<b>273</b>	<b>528</b>	<b>265</b>	<b>234</b>	<b>499</b>	<b>1650</b>	<b>1154</b>	<b>2804</b>

### B.Sc. (Hons.) Zoology

Acharya Narendra Dev College	15	13	28	5	20	25	8	5	13	28	38	66
Daulat Ram College (W)	0	39	39	0	26	26	0	24	24	0	89	89
Deshbandhu College	30	27	57	7	15	22	7	12	19	44	54	98
Gargi College (W)	0	48	48	0	28	28	0	27	27	0	103	103
Hans Raj College	25	26	51	24	23	47	17	21	38	66	70	136
Hindu College	8	21	29	7	15	22	9	10	19	24	46	70
Kirori Mal College	18	21	39	10	8	18	5	8	13	33	37	70
Maitreyi College (W)	0	31	31	0	11	11	0	8	8	0	50	50
Miranda House (W)	0	35	35	0	27	27	0	25	25	0	87	87

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Ramjas College	30	12	42	15	13	28	12	12	24	57	37	94
SGTB Khalsa College	15	34	49	13	12	25	15	14	29	43	60	103
Shivaji College	21	15	36	10	10	20	2	5	7	33	30	63
Sri Venkateswara College	8	25	33	5	16	21	8	16	24	21	57	78
Swami Shraddhanand College	10	12	22	2	4	6	5	5	10	17	21	38
Zakir Husain College	20	8	28	5	10	15	8	13	21	33	31	64
<b>Total :</b>	<b>200</b>	<b>367</b>	<b>567</b>	<b>103</b>	<b>238</b>	<b>341</b>	<b>96</b>	<b>205</b>	<b>301</b>	<b>399</b>	<b>810</b>	<b>1209</b>

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#### B.Sc. (Hons.) Polymer Science

Bhaskaracharya College of Applied Scs.	24	12	36	6	8	14	9	14	23	39	34	73
<b>Total :</b>	<b>24</b>	<b>12</b>	<b>36</b>	<b>6</b>	<b>8</b>	<b>14</b>	<b>9</b>	<b>14</b>	<b>23</b>	<b>39</b>	<b>34</b>	<b>73</b>

#### B.Sc. (Hons.) Bio-Chemistry

Daulat Ram College (W)	0	30	30	0	11	11	0	16	16	0	57	57
Deshbandhu College	8	16	24	5	5	10	3	9	12	16	30	46
Institute of Home Economics (W)	0	18	18	0	11	11	0	9	9	0	38	38
Shivaji College	10	20	30	4	5	9	4	12	16	18	37	55
Sri Venkateswara College	6	24	30	4	16	20	3	11	14	13	51	64
<b>Total :</b>	<b>24</b>	<b>108</b>	<b>132</b>	<b>13</b>	<b>48</b>	<b>61</b>	<b>10</b>	<b>57</b>	<b>67</b>	<b>47</b>	<b>213</b>	<b>260</b>

**B.Sc. (Hons.) Electronics**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	22	8	30	6	6	12	10	0	10	38	14	52
Acharya Narendra Dev College	23	10	33	9	2	11	7	4	11	39	16	55
Deen Dayal Upadhyaya College	25	8	33	13	12	25	13	7	20	51	27	78
Hans Raj College	31	23	54	15	7	22	6	6	12	52	36	88
Rajdhani College	27	3	30	8	3	11	9	4	13	44	10	54
SGTB Khalsa College	8	10	18	8	7	15	6	7	13	22	24	46
Sri Aurobindo College	27	4	31	4	2	6	10	9	19	41	15	56
Sri Venkateswara College	41	21	62	8	10	18	13	5	18	62	36	98
Zakir Husain College	19	4	23	12	3	15	7	4	11	38	11	49
Keshav Mahavidyalaya	27	18	45	21	14	35	6	9	15	54	41	95
Maharaja Agrasen Co-Ed. College	16	9	25	8	5	13	6	9	15	30	23	53
<b>Total :</b>	<b>266</b>	<b>118</b>	<b>384</b>	<b>112</b>	<b>71</b>	<b>183</b>	<b>93</b>	<b>64</b>	<b>157</b>	<b>471</b>	<b>253</b>	<b>724</b>

**B.Sc. (Hons.) Microbiology**

Gargi College (W)	0	23	23	0	15	15	0	19	19	0	57	57
Institute of Home Economics (W)	0	20	20	0	15	15	0	22	22	0	57	57
Ram Lal Anand College	11	23	34	5	8	13	5	14	19	21	45	66
Swami Shraddhanand College	14	9	23	2	5	7	4	7	11	20	21	41
Bhaskaracharya College of Applied Sciences	8	15	23	6	11	17	1	15	16	15	41	56
<b>Grand Total :</b>	<b>33</b>	<b>90</b>	<b>123</b>	<b>13</b>	<b>54</b>	<b>67</b>	<b>10</b>	<b>77</b>	<b>87</b>	<b>56</b>	<b>221</b>	<b>277</b>

**B.Sc. (Hons.) Bio-Medical Sciences**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	16	21	37	13	13	26	8	11	19	37	45	82
S. R. G. College of Applied Sciences	0	28	28	0	20	20	0	17	17	0	65	65
Bhaskaracharya College of Applied Scs.	15	27	42	7	20	27	8	16	24	30	63	93
<b>Total :</b>	<b>31</b>	<b>76</b>	<b>107</b>	<b>20</b>	<b>53</b>	<b>73</b>	<b>16</b>	<b>44</b>	<b>60</b>	<b>67</b>	<b>173</b>	<b>240</b>

**B.Sc. (Hons.) Biological Science**

Sri Venkateswara College	6	12	18	1	10	11	5	16	21	12	38	50
<b>Total :</b>	<b>6</b>	<b>12</b>	<b>18</b>	<b>1</b>	<b>10</b>	<b>11</b>	<b>5</b>	<b>16</b>	<b>21</b>	<b>12</b>	<b>38</b>	<b>50</b>

**Bachelor of Prosthetics & Orthotics**

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College	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Pt. D. D. Instt. for Phy.	7	7	14	5	8	13	4	12	16	9	10	19	5	14	19	30	51	81
<b>Total :</b>	<b>7</b>	<b>7</b>	<b>14</b>	<b>5</b>	<b>8</b>	<b>13</b>	<b>4</b>	<b>12</b>	<b>16</b>	<b>9</b>	<b>10</b>	<b>19</b>	<b>5</b>	<b>14</b>	<b>19</b>	<b>30</b>	<b>51</b>	<b>81</b>

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**Bachelor of Occupational Therapy**

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Pt. D. D. Instt. for Phy.	9	43	52	6	26	32	4	31	35	12	22	34	9	21	30	40	143	183
<b>Total :</b>	<b>9</b>	<b>43</b>	<b>52</b>	<b>6</b>	<b>26</b>	<b>32</b>	<b>4</b>	<b>31</b>	<b>35</b>	<b>12</b>	<b>22</b>	<b>34</b>	<b>9</b>	<b>21</b>	<b>30</b>	<b>40</b>	<b>143</b>	<b>183</b>

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**Bachelor of Physiotherapy**

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Amar Jyoti Instt. of Phy.	4	26	30	5	29	34	2	20	22	6	15	21	9	14	23	26	104	130
Pt. Deen Dayal Instt. for the 20		33	53	12	23	35	11	23	34	12	23	35	10	21	31	65	123	188
<b>Total :</b>	<b>24</b>	<b>59</b>	<b>83</b>	<b>17</b>	<b>52</b>	<b>69</b>	<b>13</b>	<b>43</b>	<b>56</b>	<b>18</b>	<b>38</b>	<b>56</b>	<b>19</b>	<b>35</b>	<b>54</b>	<b>91</b>	<b>227</b>	<b>318</b>

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**Bachelor of Applied Sc. (Hons.) - Electronics**

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shaheed Raj Guru College of Applied Scs.	0	26	26	0	23	23	0	17	17	0	66	66
Bhaskaracharya College of Applied Scs.	25	22	47	7	3	10	3	5	8	35	30	65
<b>Total :</b>	<b>25</b>	<b>48</b>	<b>73</b>	<b>7</b>	<b>26</b>	<b>33</b>	<b>3</b>	<b>22</b>	<b>25</b>	<b>35</b>	<b>96</b>	<b>131</b>

**Bachelor of Applied Sc. (Hons.) - Food Technology**

Shaheed Raj Guru College of Applied Scs.	0	30	30	0	22	22	0	23	23	0	75	75
Bhaskaracharya College of Applied Scs.	13	24	37	2	23	25	4	15	19	19	62	81
<b>Total :</b>	<b>13</b>	<b>54</b>	<b>67</b>	<b>2</b>	<b>45</b>	<b>47</b>	<b>4</b>	<b>38</b>	<b>42</b>	<b>19</b>	<b>137</b>	<b>156</b>

**Bachelor of Applied Sc. (Hons.) - Instrumentation**

Shaheed Raj Guru College of Applied Scs.	0	24	24	0	19	19	0	29	29	0	72	72
Bhaskaracharya College of Applied Scs.	7	4	11	8	5	13	8	13	21	23	22	45
Shaheed Raj Guru College of Applied Scs.	0	26	26	0	17	17	0	18	18	0	61	61
Bhaskaracharya College of Applied Scs.	15	12	27	4	3	7	7	4	11	26	19	45
<b>Total :</b>	<b>15</b>	<b>38</b>	<b>53</b>	<b>4</b>	<b>20</b>	<b>24</b>	<b>7</b>	<b>22</b>	<b>29</b>	<b>26</b>	<b>80</b>	<b>106</b>

**B.Pharma**

College	I Year			II Year			III Year			IV Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Delhi Instt. of Pharma. Sc.&Res.	31	38	69	26	42	68	28	37	65	28	33	61	113	150	263
<b>Total :</b>	<b>31</b>	<b>38</b>	<b>69</b>	<b>26</b>	<b>42</b>	<b>68</b>	<b>28</b>	<b>37</b>	<b>65</b>	<b>28</b>	<b>33</b>	<b>61</b>	<b>113</b>	<b>150</b>	<b>263</b>

**B.Sc. (Medical Tech.) - Radiography**

UCMS & GTB Hospital	8	7	15	4	10	14	2	3	5	0	0	0	14	20	34
<b>Total :</b>	<b>8</b>	<b>7</b>	<b>15</b>	<b>4</b>	<b>10</b>	<b>14</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>20</b>	<b>34</b>

**Bachelor of Fine Art**

College of Art	99	93	192	58	74	132	66	73	139	46	58	104	269	298	567
<b>Total :</b>	<b>99</b>	<b>93</b>	<b>192</b>	<b>58</b>	<b>74</b>	<b>132</b>	<b>66</b>	<b>73</b>	<b>139</b>	<b>46</b>	<b>58</b>	<b>104</b>	<b>269</b>	<b>298</b>	<b>567</b>



**Bachelor of Ayurvedic Medicine & Surgery (B.A.M.S.)**

College	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
A & U Tibbia College	13	27	40	6	29	35	15	27	42	13	26	39	12	27	39	59	136	195
<b>Total:</b>	<b>13</b>	<b>27</b>	<b>40</b>	<b>6</b>	<b>29</b>	<b>35</b>	<b>15</b>	<b>27</b>	<b>42</b>	<b>13</b>	<b>26</b>	<b>39</b>	<b>12</b>	<b>27</b>	<b>39</b>	<b>59</b>	<b>136</b>	<b>195</b>

**Bachelor of Unani Medicine & Surgery (B.U.M.S.)**

A & U Tibbia College	12	28	40	9	32	41	13	27	40	15	24	39	16	23	39	65	134	199
<b>Total :</b>	<b>12</b>	<b>28</b>	<b>40</b>	<b>9</b>	<b>32</b>	<b>41</b>	<b>13</b>	<b>27</b>	<b>40</b>	<b>15</b>	<b>24</b>	<b>39</b>	<b>16</b>	<b>23</b>	<b>39</b>	<b>65</b>	<b>134</b>	<b>199</b>

**Bachelor of Homoeopathic System of Medicine and Surgery (B.H.M.S.)**

N.H. Med. Col. & Hospt.	19	75	94	11	82	93	17	77	94	15	77	92	17	69	86	79	380	459
<b>Total :</b>	<b>19</b>	<b>75</b>	<b>94</b>	<b>11</b>	<b>82</b>	<b>93</b>	<b>17</b>	<b>77</b>	<b>94</b>	<b>15</b>	<b>77</b>	<b>92</b>	<b>17</b>	<b>69</b>	<b>86</b>	<b>79</b>	<b>380</b>	<b>459</b>

**Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.)**

L.H.M. College (W)	0	155	155	0	151	151	0	137	137	0	130	130	0	132	132	0	705	705
M. A. M. College	108	72	180	125	55	180	114	65	179	146	33	179	129	50	179	622	275	897
U.C.M.S. & G.T.B. Hosp.	117	32	149	80	10	90	91	10	101	103	3	106	90	7	97	481	62	543
<b>Total :</b>	<b>225</b>	<b>259</b>	<b>484</b>	<b>205</b>	<b>216</b>	<b>421</b>	<b>205</b>	<b>212</b>	<b>417</b>	<b>249</b>	<b>166</b>	<b>415</b>	<b>219</b>	<b>189</b>	<b>408</b>	<b>1103</b>	<b>1042</b>	<b>2145</b>

### Bachelor of Dental Surgery (B.D.S.)

College	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
M.A.M.C.	11	20	31	12	17	29	21	16	37	10	28	38	15	6	21	69	87	156
<b>Total :</b>	<b>11</b>	<b>20</b>	<b>31</b>	<b>12</b>	<b>17</b>	<b>29</b>	<b>21</b>	<b>16</b>	<b>37</b>	<b>10</b>	<b>28</b>	<b>38</b>	<b>15</b>	<b>6</b>	<b>21</b>	<b>69</b>	<b>87</b>	<b>156</b>

### Bachelor of Engineering (Combined) (B.E.)

Course	I Year			II Year			III Year			IV Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Civil Engg.	0	0	0	62	8	70	62	8	70	61	9	70	185	25	210
Computer Engg.	101	29	130	173	38	211	182	32	214	186	24	210	642	123	765
Electrical Engg.	0	0	0	68	22	90	72	18	90	75	15	90	215	55	270
Electronics & Commu.	102	29	131	199	42	241	199	42	241	222	20	242	722	133	855
Instrum.. & Control Engg.	98	30	128	103	18	121	90	30	120	101	19	120	392	97	489
Mechanical Engg.	0	0	0	120	0	120	119	1	120	117	3	120	356	4	360
Production & Ind. Engg.	0	0	0	26	4	30	25	5	30	25	5	30	76	14	90
Environmental Engg.	0	0	0	21	9	30	19	7	26	17	13	30	57	29	86
Polymer Sc. & Chem. Tech.	0	0	0	26	4	30	31	8	39	33	7	40	90	19	109
Bio-Technology	11	7	18	24	13	37	22	17	39	24	16	40	81	53	134
Information Technology	43	21	64	86	34	120	95	25	120	95	25	120	319	105	424
Manufac. Process & Automa.	56	8	64	53	17	70	51	8	59	48	12	60	208	45	253
<b>Total:</b>	<b>411</b>	<b>124</b>	<b>535</b>	<b>961</b>	<b>209</b>	<b>1170</b>	<b>967</b>	<b>201</b>	<b>1168</b>	<b>1004</b>	<b>168</b>	<b>1172</b>	<b>3343</b>	<b>702</b>	<b>4045</b>

**Bachelor of Technology (Combined) Part-time**

Course	I Year			II Year			III Year			IV Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Civil Engg. PT	0	0	0	30	0	30	30	0	30	30	0	30	90	0	90
Electrical PT	0	0	0	29	1	30	30	0	30	30	0	30	89	1	90
Electronics&Comm. PT	0	0	0	29	1	30	29	1	30	29	1	30	87	3	90
Mechanical Engg. PT	0	0	0	30	0	30	30	0	30	29	1	30	89	1	90
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>118</b>	<b>2</b>	<b>120</b>	<b>119</b>	<b>1</b>	<b>120</b>	<b>118</b>	<b>2</b>	<b>120</b>	<b>355</b>	<b>5</b>	<b>360</b>

**Bachelor of Library and Information Science (B.Lib.Sc.)**

Department	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Library & Information Science	26	28	54	0	0	0	0	0	0	26	28	54
<b>Total :</b>	<b>26</b>	<b>28</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>28</b>	<b>54</b>

**Master of Library & Information Science (M.Lib.Sc.)**

Library & Informatin Science	9	29	38	0	0	0	0	0	0	9	29	38
<b>Total :</b>	<b>9</b>	<b>29</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>29</b>	<b>38</b>

**Master of Arts (M.A.)**

College	I Year			II Year			Total		
	M	F	T	M	F	T	M	F	T
A.R.S.D. College	26	26	52	14	22	36	40	48	88
Bharati College (W)	0	8	8	0	9	9	0	17	17
Daulat Ram College (W)	0	125	125	0	104	104	0	229	229
Deshbandhu College	19	5	24	5	4	9	24	9	33
Dyal Singh College	5	5	10	3	0	3	8	5	13
Gargi College (W)	0	29	29	0	12	12	0	41	41
Hans Raj College	66	51	117	42	41	83	108	92	200
Hindu College	81	93	174	52	62	114	133	155	288
Indraprastha College for Women	0	148	148	0	101	101	0	249	249
Janki Devi Memorial College (W)	0	34	34	0	42	42	0	76	76
Jesus & Mary College (W)	0	31	31	0	22	22	0	53	53
Kalindi College (W)	0	10	10	0	9	9	0	19	19
Kamala Nehru College (W)	0	41	41	0	33	33	0	74	74
Kirori Mal College	90	61	151	34	31	65	124	92	216
Lady Shri Ram College (W)	0	77	77	0	57	57	0	134	134
Lakshmibai College (W)	0	17	17	0	11	11	0	28	28
Maitreyi College (W)	0	30	30	0	12	12	0	42	42
Mata Sundri College (W)	0	25	25	0	18	18	0	43	43
Miranda House (W)	0	110	110	0	79	79	0	189	189
Moti Lal Nehru College	25	7	32	11	1	12	36	8	44
PGDAV College	14	15	29	7	8	15	21	23	44
Rajdhani College	19	0	19	10	6	16	29	6	35

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College	I Year			II Year			Total		
	M	F	T	M	F	T	M	F	T
Ram Lal Anand College	2	3	5	3	7	10	5	10	15
Ramjas College	98	53	151	60	36	96	158	89	247
SGTB Khalsa College	7	25	32	19	11	30	26	36	62
Satyawati Co-Ed. College	16	5	21	12	3	15	28	8	36
Shivaji College	16	3	19	18	1	19	34	4	38
Shyam Lal College	5	4	9	3	6	9	8	10	18
Shyama Prasad Mukherji College (W)	0	18	18	0	15	15	0	33	33
Sri Aurobindo College	2	2	4	3	4	7	5	6	11
Sri Venkateswara College	25	35	60	19	17	36	44	52	96
St. Stephen's College	23	37	60	19	30	49	42	67	109
Swami Shraddhanand College	10	0	10	0	4	4	10	4	14
Vivekananda College (W)	0	15	15	0	7	7	0	22	22
Zakir Husain College	93	38	131	55	13	68	148	51	199
Sri Guru Nanak Dev Khalsa College	0	1	1	1	5	6	1	6	7
<b>Total :</b>	<b>642</b>	<b>1187</b>	<b>1829</b>	<b>390</b>	<b>843</b>	<b>1233</b>	<b>1032</b>	<b>2030</b>	<b>3062</b>
Zakir Husain P.G. College (Eve.)	0	0	0	1	2	3	1	2	3
<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Total(Day + Eve) :</b>	<b>642</b>	<b>1187</b>	<b>1829</b>	<b>391</b>	<b>845</b>	<b>1236</b>	<b>1033</b>	<b>2032</b>	<b>3065</b>

	I Year			II Year			Total		
	M	F	T	M	F	T	M	F	T
<b>Department</b>									
Buddhist Studies	92	32	124	27	7	34	119	39	158
Linguistics	15	27	42	6	13	19	21	40	61
Germanic & Romance Studies	21	46	67	14	38	52	35	84	119
MIL & Literary Studies	7	18	25	12	3	15	19	21	40
Persian	2	2	4	1	0	1	3	2	5
Philosophy (SDC)	7	3	10	1	0	1	8	3	11
Psychology (SDC)	2	27	29	0	22	22	2	49	51
Urdu	25	12	37	11	8	19	36	20	56
Slavonic & Finno-Ugrian Studies	12	6	18	4	2	6	16	8	24
East Asian Studies	17	18	35	9	15	24	26	33	59
Economics	65	62	127	38	50	88	103	112	215
Geography	45	18	63	20	26	46	65	44	109
History (SDC)	10	19	29	11	10	21	21	29	50
Social Work	19	51	70	19	42	61	38	93	131
Sociology	24	53	77	12	37	49	36	90	126
School of Environmental Studies	10	13	23	7	7	14	17	20	37
<b>Total(Fac./Deptt./Centre):</b>	<b>373</b>	<b>407</b>	<b>780</b>	<b>192</b>	<b>280</b>	<b>472</b>	<b>565</b>	<b>687</b>	<b>1252</b>
<b>Total(Regular):</b>	<b>1015</b>	<b>1594</b>	<b>2609</b>	<b>583</b>	<b>1125</b>	<b>1708</b>	<b>1598</b>	<b>2719</b>	<b>4317</b>
Non-Collegiate Women's Edn. Board	0	205	205	0	98	98	0	303	303
School of Open Learning	183	425	608	96	312	408	279	737	1016
<b>Total(Nonformal):</b>	<b>183</b>	<b>630</b>	<b>813</b>	<b>96</b>	<b>410</b>	<b>506</b>	<b>279</b>	<b>1040</b>	<b>1319</b>
<b>Grand Total:</b>	<b>1198</b>	<b>2224</b>	<b>3422</b>	<b>679</b>	<b>1535</b>	<b>2214</b>	<b>1877</b>	<b>3759</b>	<b>5636</b>

**Master of Arts (M.A.) Course-wise**

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Applied Psychology	2	27	29	0	22	22	2	49	51
Arabic	13	0	13	13	2	15	26	2	28
Bengali	3	13	16	11	3	14	14	16	30
Buddhist Studies	92	32	124	27	7	34	119	39	158
English	63	216	279	37	162	199	100	378	478
French	7	9	16	6	9	15	13	18	31
German	5	14	19	3	13	16	8	27	35
Hindi	127	197	324	78	159	237	205	356	561
Linguistics	15	27	42	6	13	19	21	40	61
Persian	2	3	5	1	0	1	3	3	6
Philosophy	34	87	121	10	45	55	44	132	176
Psychology	9	93	102	4	58	62	13	151	164
Punjabi	2	14	16	3	11	14	5	25	30
Sanskrit	55	59	114	51	64	115	106	123	229
Hispanic	6	15	21	4	9	13	10	24	34
Urdu	39	14	53	14	10	24	53	24	77
Comparative Indian Literature	4	5	9	1	1	2	5	6	11
Italian	3	8	11	1	7	8	4	15	19
Economics	65	62	127	38	50	88	103	112	215
Geography	45	18	63	20	26	46	65	44	109
History	156	139	295	96	102	198	252	241	493
Political Science	151	239	390	78	137	215	229	376	605



	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Social Work	19	51	70	19	42	61	38	93	131
Sociology	24	53	77	12	37	49	36	90	126
Japanese	6	6	12	5	3	8	11	9	20
East Asian Studies	11	12	23	4	12	16	15	24	39
Mathematics	24	120	144	12	86	98	36	206	242
Statistics	0	7	7	0	6	6	0	13	13
Operational Research	0	2	2	0	1	1	0	3	3
Environmental Studies	10	13	23	7	7	14	17	20	37
Music	11	33	44	18	19	37	29	52	81
Russian	12	6	18	4	2	6	16	8	24
<b>Total:</b>	<b>1015</b>	<b>1594</b>	<b>2609</b>	<b>583</b>	<b>1125</b>	<b>1708</b>	<b>1598</b>	<b>2719</b>	<b>4317</b>

**M.A. (Applied Psychology)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of Psychology (SDC)	2	27	29	0	22	22	2	49	51
<b>Total :</b>	<b>2</b>	<b>27</b>	<b>29</b>	<b>0</b>	<b>22</b>	<b>22</b>	<b>2</b>	<b>49</b>	<b>51</b>

**M.A. (Arabic)**

Zakir Husain College	13	0	13	13	2	15	26	2	28
<b>Total :</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>13</b>	<b>2</b>	<b>15</b>	<b>26</b>	<b>2</b>	<b>28</b>

**M.A. (Bengali)**

Miranda House (W)	0	0	0	0	1	1	0	1	1
<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>

**Department**

MIL & Literary Studies	3	13	16	11	2	13	14	15	29
<b>Total :</b>	<b>3</b>	<b>13</b>	<b>16</b>	<b>11</b>	<b>2</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>29</b>
<b>Grand Total :</b>	<b>3</b>	<b>13</b>	<b>16</b>	<b>11</b>	<b>3</b>	<b>14</b>	<b>14</b>	<b>16</b>	<b>30</b>

**M.A. (Buddhist Studies)**

Department of Buddhist Studies	92	32	124	27	7	34	119	39	158
<b>Total :</b>	<b>92</b>	<b>32</b>	<b>124</b>	<b>27</b>	<b>7</b>	<b>34</b>	<b>119</b>	<b>39</b>	<b>158</b>

**M.A. (English)**

		Previous Year			Final Year			Total		
		M	F	T	M	F	T	M	F	T
S-110	A.R.S.D. College	4	3	7	2	5	7	6	8	14
	Daulat Ram College (W)	0	12	12	0	13	13	0	25	25
	Deshbandhu College	2	1	3	0	0	0	2	1	3
	Dyal Singh College	3	1	4	3	0	3	6	1	7
	Gargi College (W)	0	13	13	0	7	7	0	20	20
	Hans Raj College	9	16	25	2	19	21	11	35	46
	Hindu College	8	16	24	9	12	21	17	28	45
	Indraprastha College for Women	0	15	15	0	10	10	0	25	25
	Janki Devi Memorial College (W)	0	4	4	0	2	2	0	6	6
	Jesus & Mary College (W)	0	23	23	0	14	14	0	37	37
	Kamala Nehru College (W)	0	10	10	0	6	6	0	16	16
	Kirori Mal College	13	20	33	3	6	9	16	26	42
	Lady Shri Ram College (W)	0	17	17	0	20	20	0	37	37
	Miranda House (W)	0	22	22	0	17	17	0	39	39
	Rajdhani College	3	0	3	1	3	4	4	3	7
	Ramjas College	6	8	14	3	7	10	9	15	24
	SGTB Khalsa College	1	7	8	2	1	3	3	8	11
	Sri Venkateswara College	3	15	18	5	8	13	8	23	31
	St. Stephen's College	2	9	11	3	11	14	5	20	25
	Zakir Husain College	9	4	13	4	1	5	13	5	18
<b>Total :</b>		<b>63</b>	<b>216</b>	<b>279</b>	<b>37</b>	<b>162</b>	<b>199</b>	<b>100</b>	<b>378</b>	<b>478</b>
Non-Collegiate Women's Edn. Board		0	68	68	0	20	20	0	88	88
<b>Total(Nonformal):</b>		<b>0</b>	<b>68</b>	<b>68</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>88</b>	<b>88</b>
<b>Grand Total :</b>		<b>63</b>	<b>284</b>	<b>347</b>	<b>37</b>	<b>182</b>	<b>219</b>	<b>100</b>	<b>466</b>	<b>566</b>

**M.A. (French)**

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Germanic & Romance Studies	7	9	16	6	9	15	13	18	31
<b>Total :</b>	<b>7</b>	<b>9</b>	<b>16</b>	<b>6</b>	<b>9</b>	<b>15</b>	<b>13</b>	<b>18</b>	<b>31</b>

**M.A. (German)**

Germanic & Romance Studies	5	14	19	3	13	16	8	27	35
<b>Total :</b>	<b>5</b>	<b>14</b>	<b>19</b>	<b>3</b>	<b>13</b>	<b>16</b>	<b>8</b>	<b>27</b>	<b>35</b>

**M.A. (Hindi)****Colleges**

A.R.S.D. College	5	10	15	2	15	17	7	25	32
Bharati College (W)	0	8	8	0	9	9	0	17	17
Daulat Ram College (W)	0	19	19	0	12	12	0	31	31
Deshbandhu College	6	0	6	5	1	6	11	1	12
Hans Raj College	20	7	27	12	1	13	32	8	40
Hindu College	12	18	30	6	9	15	18	27	45
Indraprastha College for Women	0	6	6	0	6	6	0	12	12
Janki Devi Memorial College (W)	0	9	9	0	6	6	0	15	15
Jesus & Mary College (W)	0	8	8	0	8	8	0	16	16
Kalindi College (W)	0	8	8	0	5	5	0	13	13
Kamala Nehru College (W)	0	11	11	0	7	7	0	18	18
Kirori Mal College	11	4	15	17	7	24	28	11	39
Lady Shri Ram College (W)	0	5	5	0	4	4	0	9	9
Mata Sundri College (W)	0	10	10	0	5	5	0	15	15
Miranda House (W)	0	19	19	0	14	14	0	33	33
Moti Lal Nehru College	7	3	10	3	1	4	10	4	14

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
PGDAV College	3	5	8	1	5	6	4	10	14
Rajdhani College	8	0	8	3	1	4	11	1	12
Ram Lal Anand College	2	3	5	3	7	10	5	10	15
Ramjas College	18	4	22	7	3	10	25	7	32
SGTB Khalsa College	1	2	3	2	3	5	3	5	8
Shivaji College	10	3	13	8	1	9	18	4	22
Shyam Lal College	5	4	9	3	6	9	8	10	18
Shyama Prasad Mukherji College (W)	0	12	12	0	6	6	0	18	18
Sri Aurobindo College	2	2	4	3	4	7	5	6	11
Swami Shraddhanand College	10	0	10	0	4	4	10	4	14
Vivekananda College (W)	0	14	14	0	6	6	0	20	20
Zakir Husain College	7	3	10	2	1	3	9	4	13
<b>Total (Day):</b>	<b>127</b>	<b>197</b>	<b>324</b>	<b>77</b>	<b>157</b>	<b>234</b>	<b>204</b>	<b>354</b>	<b>558</b>
Zakir Husain P.G. College (Eve.)	0	0	0	1	2	3	1	2	3
<b>Total (Eve):</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>Total (Day + Eve):</b>	<b>127</b>	<b>197</b>	<b>324</b>	<b>78</b>	<b>159</b>	<b>237</b>	<b>205</b>	<b>356</b>	<b>561</b>
<b>Total (Regular):</b>	<b>127</b>	<b>197</b>	<b>324</b>	<b>78</b>	<b>159</b>	<b>237</b>	<b>205</b>	<b>356</b>	<b>561</b>
Non-Collegiate Women's Edu. Board	0	20	20	0	27	27	0	47	47
School of Open Learning	37	135	172	25	126	151	62	261	323
<b>Total (Nonformal):</b>	<b>37</b>	<b>155</b>	<b>192</b>	<b>25</b>	<b>153</b>	<b>178</b>	<b>62</b>	<b>308</b>	<b>370</b>
<b>Grand Total :</b>	<b>164</b>	<b>352</b>	<b>516</b>	<b>103</b>	<b>312</b>	<b>415</b>	<b>267</b>	<b>664</b>	<b>931</b>

**M.A. (Linguistics)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Dept. of Linguistics	15	27	42	6	13	19	21	40	61
<b>Total :</b>	<b>15</b>	<b>27</b>	<b>42</b>	<b>6</b>	<b>13</b>	<b>19</b>	<b>21</b>	<b>40</b>	<b>61</b>

**M.A. (Persian)**

Zakir Husain College	0	1	1	0	0	0	0	1	1
Deptt. of Persian	2	2	4	1	0	1	3	2	5
<b>Total :</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>6</b>

**M.A. (Philosophy)****College**

Hindu College	8	14	22	3	17	20	11	31	42
Indraprastha College for Women	0	17	17	0	9	9	0	26	26
Janki Devi Memorial College (W)	0	5	5	0	4	4	0	9	9
Kamala Nehru College (W)	0	3	3	0	2	2	0	5	5
Lady Shri Ram College (W)	0	6	6	0	1	1	0	7	7
Lakshmibai College (W)	0	9	9	0	2	2	0	11	11
Miranda House (W)	0	15	15	0	6	6	0	21	21
Ramjas College	3	6	9	0	0	0	3	6	9
St. Stephen's College	7	4	11	1	3	4	8	7	15
Zakir Husain College	9	5	14	5	1	6	14	6	20
<b>Total :</b>	<b>27</b>	<b>84</b>	<b>111</b>	<b>9</b>	<b>45</b>	<b>54</b>	<b>36</b>	<b>129</b>	<b>165</b>

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of Philosophy (SDC)	7	3	10	1	0	1	8	3	11
<b>Total (Regular) :</b>	<b>34</b>	<b>87</b>	<b>121</b>	<b>10</b>	<b>45</b>	<b>55</b>	<b>44</b>	<b>132</b>	<b>176</b>
Non-Collegiate Women's Edu. Board	0	1	1	0	0	0	0	1	1
<b>Grand Total :</b>	<b>34</b>	<b>88</b>	<b>122</b>	<b>10</b>	<b>45</b>	<b>55</b>	<b>44</b>	<b>133</b>	<b>177</b>

#### **M.A. (Psychology)**

Daulat Ram College (W)	0	36	36	0	26	26	0	62	62
Indraprastha College for Women	0	47	47	0	31	31	0	78	78
Zakir Husain College	9	10	19	4	1	5	13	11	24
<b>Total :</b>	<b>9</b>	<b>93</b>	<b>102</b>	<b>4</b>	<b>58</b>	<b>62</b>	<b>13</b>	<b>151</b>	<b>164</b>

**M.A. (Punjabi)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Mata Sundri College (W)	0	8	8	0	1	1	0	9	9
SGTB Khalsa College	2	5	7	2	5	7	4	10	14
Sri Guru Nanak Dev Khalsa College	0	1	1	1	5	6	1	6	7
<b>Total :</b>	<b>2</b>	<b>14</b>	<b>16</b>	<b>3</b>	<b>11</b>	<b>14</b>	<b>5</b>	<b>25</b>	<b>30</b>
Non-Collegiate Women's Edn. Board	0	26	26	0	21	21	0	47	47
<b>Total(Nonformal):</b>	<b>0</b>	<b>26</b>	<b>26</b>	<b>0</b>	<b>21</b>	<b>21</b>	<b>0</b>	<b>47</b>	<b>47</b>
<b>Grand Total :</b>	<b>2</b>	<b>40</b>	<b>42</b>	<b>3</b>	<b>32</b>	<b>35</b>	<b>5</b>	<b>72</b>	<b>77</b>

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**M.A. (Sanskrit)**

Daulat Ram College (W)	0	3	3	0	12	12	0	15	15
Deshbandhu College	3	0	3	0	2	2	3	2	5
Hans Raj College	17	5	22	12	2	14	29	7	36
Hindu College	18	5	23	12	3	15	30	8	38
Indraprastha College for Women	0	9	9	0	5	5	0	14	14
Janki Devi Memorial College (W)	0	1	1	0	5	5	0	6	6
Kalindi College (W)	0	0	0	0	0	0	0	0	0
Kamala Nehru College (W)	0	0	0	0	2	2	0	2	2
Kirori Mal College	4	0	4	2	2	4	6	2	8



	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Lady Shri Ram College (W)	0	6	6	0	5	5	0	11	11
Lakshmibai College (W)	0	1	1	0	5	5	0	6	6
Mata Sundri College (W)	0	2	2	0	2	2	0	4	4
Miranda House (W)	0	8	8	0	6	6	0	14	14
Ramjas College	8	2	10	6	1	7	14	3	17
Shivaji College	0	0	0	4	0	4	4	0	4
Shyama Prasad Mukherji College (W)	0	5	5	0	4	4	0	9	9
Sri Venkateswara College	4	2	6	6	2	8	10	4	14
St. Stephen's College	0	8	8	4	5	9	4	13	17
Vivekananda College (W)	0	1	1	0	1	1	0	2	2
Zakir Husain College	1	1	2	5	0	5	6	1	7
<b>Total :</b>	<b>55</b>	<b>59</b>	<b>114</b>	<b>51</b>	<b>64</b>	<b>115</b>	<b>106</b>	<b>123</b>	<b>229</b>
Non-Collegiate Women's Edu. Board	0	1	1	0	0	0	0	1	1
School of Open Learning	27	53	80	12	34	46	39	87	126
<b>Total(Nonformal):</b>	<b>27</b>	<b>54</b>	<b>81</b>	<b>12</b>	<b>34</b>	<b>46</b>	<b>39</b>	<b>88</b>	<b>127</b>
<b>Grand Total :</b>	<b>82</b>	<b>113</b>	<b>195</b>	<b>63</b>	<b>98</b>	<b>161</b>	<b>145</b>	<b>211</b>	<b>356</b>

**M.A. (Hispanic)**

Department	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Germanic & Romance Studies	6	15	21	4	9	13	10	24	34
<b>Total :</b>	<b>6</b>	<b>15</b>	<b>21</b>	<b>4</b>	<b>9</b>	<b>13</b>	<b>10</b>	<b>24</b>	<b>34</b>

**M.A. (Urdu)****College**

Kirori Mal College	9	2	11	1	1	2	10	3	13
Zakir Husain College	5	0	5	2	1	3	7	1	8
<b>Total :</b>	<b>14</b>	<b>2</b>	<b>16</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>17</b>	<b>4</b>	<b>21</b>
Department of Urdu	25	12	37	11	8	19	36	20	56
<b>Grand Total :</b>	<b>39</b>	<b>14</b>	<b>53</b>	<b>14</b>	<b>10</b>	<b>24</b>	<b>53</b>	<b>24</b>	<b>77</b>

**M.A. (Comparative Indian Literature)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. Modern Indian Language	4	5	9	1	1	2	5	6	11
<b>Total :</b>	<b>4</b>	<b>5</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>6</b>	<b>11</b>

**M.A. (Italian)**

Deptt. of Germanic & Romance Studies	3	8	11	1	7	8	4	15	19
<b>Total :</b>	<b>3</b>	<b>8</b>	<b>11</b>	<b>1</b>	<b>7</b>	<b>8</b>	<b>4</b>	<b>15</b>	<b>19</b>

**M.A. (Economics)**

Deptt. of Economics	65	62	127	38	50	88	103	112	215
<b>Total :</b>	<b>65</b>	<b>62</b>	<b>127</b>	<b>38</b>	<b>50</b>	<b>88</b>	<b>103</b>	<b>112</b>	<b>215</b>

**M.A. (Geography)**

Deptt. of Geography	45	18	63	20	26	46	65	44	109
<b>Total :</b>	<b>45</b>	<b>18</b>	<b>63</b>	<b>20</b>	<b>26</b>	<b>46</b>	<b>65</b>	<b>44</b>	<b>109</b>

**M.A. (History)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Daulat Ram College (W)	0	19	19	0	12	12	0	31	31
Hans Raj College	17	7	24	15	1	16	32	8	40
Hindu College	16	14	30	9	7	16	25	21	46
Indraprastha College for Women	0	10	10	0	14	14	0	24	24
Janki Devi Memorial College (W)	0	0	0	0	13	13	0	13	13
Kamala Nehru College (W)	0	3	3	0	9	9	0	12	12
Kirori Mal College	21	9	30	4	4	8	25	13	38
Lady Shri Ram College (W)	0	10	10	0	1	1	0	11	11
Miranda House (W)	0	16	16	0	14	14	0	30	30
Rajdhani College	8	0	8	6	2	8	14	2	16
Ramjas College	32	7	39	15	6	21	47	13	60
SGTB Khalsa College	3	3	6	10	1	11	13	4	17
Sri Venkateswara College	14	11	25	6	3	9	20	14	34
St. Stephen's College	12	9	21	11	4	15	23	13	36
Zakir Husain College	23	2	25	9	1	10	32	3	35
<b>Total :</b>	<b>146</b>	<b>120</b>	<b>266</b>	<b>85</b>	<b>92</b>	<b>177</b>	<b>231</b>	<b>212</b>	<b>443</b>
Department of History (SDC)	10	19	29	11	10	21	21	29	50
<b>Total (Deptt) Day:</b>	<b>10</b>	<b>19</b>	<b>29</b>	<b>11</b>	<b>10</b>	<b>21</b>	<b>21</b>	<b>29</b>	<b>50</b>

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Non-Collegiate Women's Edu. Board	0	9	9	0	2	2	0	11	11
School of Open Learning	39	63	102	12	30	42	51	93	144
<b>Total(Nonformal):</b>	<b>39</b>	<b>72</b>	<b>111</b>	<b>12</b>	<b>32</b>	<b>44</b>	<b>51</b>	<b>104</b>	<b>155</b>
<b>Grand Total :</b>	<b>195</b>	<b>211</b>	<b>406</b>	<b>108</b>	<b>134</b>	<b>242</b>	<b>303</b>	<b>345</b>	<b>648</b>

#### M.A. Political Science

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A.R.S.D. College	17	13	30	10	2	12	27	15	42
Daulat Ram College (W)	0	31	31	0	24	24	0	55	55
Deshbandhu College	7	4	11	0	1	1	7	5	12
Gargi College (W)	0	16	16	0	5	5	0	21	21
Hindu College	16	22	38	11	8	19	27	30	57
Indraprastha College for Women	0	18	18	0	11	11	0	29	29
Janki Devi Memorial College (W)	0	7	7	0	7	7	0	14	14
Kalindi College (W)	0	2	2	0	4	4	0	6	6
Kamala Nehru College (W)	0	14	14	0	7	7	0	21	21
Kirori Mal College	28	18	46	4	4	8	32	22	54
Lady Shri Ram College (W)	0	16	16	0	18	18	0	34	34
Lakshmibai College (W)	0	7	7	0	4	4	0	11	11
Maitreyi College (W)	0	19	19	0	8	8	0	27	27
Mata Sundri College (W)	0	5	5	0	10	10	0	15	15
Moti Lal Nehru College	18	4	22	8	0	8	26	4	30

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
PGDAV College	10	1	11	5	1	6	15	2	17
Ramjas College	19	16	35	10	12	22	29	28	57
SGTB Khalsa College	0	8	8	3	1	4	3	9	12
Satyawati College	16	5	21	12	3	15	28	8	36
Shivaji College	6	0	6	6	0	6	12	0	12
Shyama Prasad Mukherji College (W)	0	1	1	0	5	5	0	6	6
Zakir Husain College	14	12	26	9	2	11	23	14	37
<b>Total (Day):</b>	<b>151</b>	<b>239</b>	<b>390</b>	<b>78</b>	<b>137</b>	<b>215</b>	<b>229</b>	<b>376</b>	<b>605</b>
Non-Collegiate Women's Edn. Board	0	17	17	0	8	8	0	25	25
School of Open Learning	80	174	254	47	122	169	127	296	423
<b>Total(Nonformal):</b>	<b>80</b>	<b>191</b>	<b>271</b>	<b>47</b>	<b>130</b>	<b>177</b>	<b>127</b>	<b>321</b>	<b>448</b>
<b>Grand Total :</b>	<b>231</b>	<b>430</b>	<b>661</b>	<b>125</b>	<b>267</b>	<b>392</b>	<b>356</b>	<b>697</b>	<b>1053</b>
<b>M.A. (Social Work)</b>									
Department of Social Work	19	51	70	19	42	61	38	93	131
<b>Total :</b>	<b>19</b>	<b>51</b>	<b>70</b>	<b>19</b>	<b>42</b>	<b>61</b>	<b>38</b>	<b>93</b>	<b>131</b>

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
<b>M.A. (Sociology)</b>									
Department of Sociology	24	53	77	12	37	49	36	90	126
<b>Total :</b>	<b>24</b>	<b>53</b>	<b>77</b>	<b>12</b>	<b>37</b>	<b>49</b>	<b>36</b>	<b>90</b>	<b>126</b>
<b>M.A. (Japanese)</b>									
Department of East Asian Studies	6	6	12	5	3	8	11	9	20
<b>Total :</b>	<b>6</b>	<b>6</b>	<b>12</b>	<b>5</b>	<b>3</b>	<b>8</b>	<b>11</b>	<b>9</b>	<b>20</b>
<b>M.A. (East Asian Studies)</b>									
Department of East Asian Studies	11	12	23	4	12	16	15	24	39
<b>Total :</b>	<b>11</b>	<b>12</b>	<b>23</b>	<b>4</b>	<b>12</b>	<b>16</b>	<b>15</b>	<b>24</b>	<b>39</b>
<b>M.A. (Mathematics)</b>									
Deshbandhu College	1	0	1	0	0	0	1	0	1
Dyal Singh College	2	4	6	0	0	0	2	4	6
Hans Raj College	3	16	19	1	18	19	4	34	38
Hindu College	3	4	7	2	6	8	5	10	15
Indraprastha College for Women	0	19	19	0	12	12	0	31	31

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Janki Devi Memorial College (W)	0	8	8	0	5	5	0	13	13
Kirori Mal College	4	8	12	3	7	10	7	15	22
Lady Shri Ram College (W)	0	10	10	0	2	2	0	12	12
Maitreyi College (W)	0	11	11	0	4	4	0	15	15
Miranda House (W)	0	9	9	0	9	9	0	18	18
PGDAV College	1	9	10	1	2	3	2	11	13
Ramjas College	1	8	9	1	7	8	2	15	17
Sri Venkateswara College	4	7	11	2	4	6	6	11	17
St. Stephen's College	2	7	9	0	7	7	2	14	16
Zakir Husain College	3	0	3	2	3	5	5	3	8
<b>Total :</b>	<b>24</b>	<b>120</b>	<b>144</b>	<b>12</b>	<b>86</b>	<b>98</b>	<b>36</b>	<b>206</b>	<b>242</b>
Non-Collegiate Women's Edu. Board	0	63	63	0	20	20	0	83	83
<b>Total(Nonformal):</b>	<b>0</b>	<b>63</b>	<b>63</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>83</b>	<b>83</b>
<b>Grand Total :</b>	<b>24</b>	<b>183</b>	<b>207</b>	<b>12</b>	<b>106</b>	<b>118</b>	<b>36</b>	<b>289</b>	<b>325</b>
<b>M.A. (Statistics)</b>									
Lady Shri Ram College (W)	0	7	7	0	6	6	0	13	13
<b>Total :</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>13</b>	<b>13</b>



**M.A. (Operational Research)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Indraprastha College for Women	0	2	2	0	1	1	0	3	3
<b>Total :</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>3</b>

**M.A. (Environmental Studies)**

School of Environmental Studies	10	13	23	7	7	14	17	20	37
<b>Total :</b>	<b>10</b>	<b>13</b>	<b>23</b>	<b>7</b>	<b>7</b>	<b>14</b>	<b>17</b>	<b>20</b>	<b>37</b>

**M.A. (Music)**

Daulat Ram College (W)	0	5	5	0	5	5	0	10	10
Indraprastha College for Women	0	5	5	0	2	2	0	7	7
Miranda House (W)	0	21	21	0	12	12	0	33	33
Ramjas College	11	2	13	18	0	18	29	2	31
<b>Total :</b>	<b>11</b>	<b>33</b>	<b>44</b>	<b>18</b>	<b>19</b>	<b>37</b>	<b>29</b>	<b>52</b>	<b>81</b>

**M.A. (Russian)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt . of Slavonic & Finno-Ugrian Studies	12	6	18	4	2	6	16	8	24
<b>Total :</b>	<b>12</b>	<b>6</b>	<b>18</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>16</b>	<b>8</b>	<b>24</b>

**M.Com.**

S-125	A.R.S.D. College	5	9	14	1	3	4	6	12	18
	Deshbandhu College	4	4	8	0	1	1	4	5	9
	Hans Raj College	17	12	29	3	12	15	20	24	44
	Hindu College	7	6	13	1	8	9	8	14	22
	Janki Devi Memorial College (W)	0	11	11	0	6	6	0	17	17
	Moti Lal Nehru College	3	15	18	4	0	4	7	15	22
	PGDAV College	3	3	6	1	2	3	4	5	9
	Rajdhani College	3	7	10	1	4	5	4	11	15
	Ramjas College	7	12	19	2	4	6	9	16	25
	SGTB Khalsa College	6	0	6	1	5	6	7	5	12
	Shaheed Bhagat Singh College	10	9	19	1	2	3	11	11	22
	S.G.G.S. College of Commerce	4	7	11	1	10	11	5	17	22
	Shri Ram College of Commerce	11	20	31	17	13	30	28	33	61
	Zakir Husain College	4	8	12	3	2	5	7	10	17
	Sri Guru Nanak Dev Khalsa College	7	12	19	4	3	7	11	15	26
	<b>Total :</b>	<b>91</b>	<b>135</b>	<b>226</b>	<b>40</b>	<b>75</b>	<b>115</b>	<b>131</b>	<b>210</b>	<b>341</b>

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of Commerce	21	25	46	13	21	34	34	46	80
Deptt. of Commerce (SDC)	13	27	40	5	19	24	18	46	64
<b>Total (Deptt) Day:</b>	<b>34</b>	<b>52</b>	<b>86</b>	<b>18</b>	<b>40</b>	<b>58</b>	<b>52</b>	<b>92</b>	<b>144</b>
<b>Total (Regular):</b>	<b>125</b>	<b>187</b>	<b>312</b>	<b>58</b>	<b>115</b>	<b>173</b>	<b>183</b>	<b>302</b>	<b>485</b>
School of Open Learning	220	279	499	42	126	168	262	405	667
<b>Total(Nonformal):</b>	<b>220</b>	<b>279</b>	<b>499</b>	<b>42</b>	<b>126</b>	<b>168</b>	<b>262</b>	<b>405</b>	<b>667</b>
<b>Grand Total :</b>	<b>345</b>	<b>466</b>	<b>811</b>	<b>100</b>	<b>241</b>	<b>341</b>	<b>445</b>	<b>707</b>	<b>1152</b>
<b>Master of Business Economics (M.B.E.)</b>									
Department of Business Economics	41	20	61	26	24	50	67	44	111
<b>Total :</b>	<b>41</b>	<b>20</b>	<b>61</b>	<b>26</b>	<b>24</b>	<b>50</b>	<b>67</b>	<b>44</b>	<b>111</b>
<b>Master of Finance Control (M.F.C.)</b>									
Department of Financial Studies	31	11	42	22	15	37	53	26	79
<b>Total :</b>	<b>31</b>	<b>11</b>	<b>42</b>	<b>22</b>	<b>15</b>	<b>37</b>	<b>53</b>	<b>26</b>	<b>79</b>

**Master of Human Resource and Organisational Development (MHROD)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Department of Commerce	31	23	54	20	19	39	51	42	93
<b>Total :</b>	<b>31</b>	<b>23</b>	<b>54</b>	<b>20</b>	<b>19</b>	<b>39</b>	<b>51</b>	<b>42</b>	<b>93</b>

**Master of International Business (MIB)**

Department of Commerce	46	13	59	33	8	41	79	21	100
<b>Total :</b>	<b>46</b>	<b>13</b>	<b>59</b>	<b>33</b>	<b>8</b>	<b>41</b>	<b>79</b>	<b>21</b>	<b>100</b>

**Master of Computer Applications (MCA)**

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Department of Computer Science	27	18	45	26	8	34	21	9	30	74	35	109
<b>Total :</b>	<b>27</b>	<b>18</b>	<b>45</b>	<b>26</b>	<b>8</b>	<b>34</b>	<b>21</b>	<b>9</b>	<b>30</b>	<b>74</b>	<b>35</b>	<b>109</b>

**M.Sc.**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	4	3	7	4	1	5	8	4	12
Deshbandhu College	3	2	5	3	2	5	6	4	10
Dyal Singh College	0	4	4	1	1	2	1	5	6
Gargi College (W)	0	2	2	0	2	2	0	4	4
Hans Raj College	99	135	234	65	106	171	164	241	405
Hindu College	72	123	195	40	88	128	112	211	323
Institute of Home Economics (W)	0	30	30	0	22	22	0	52	52
Kirori Mal College	53	61	114	48	48	96	101	109	210
Lady Irwin College (W)	0	95	95	0	69	69	0	164	164
Miranda House (W)	0	110	110	0	65	65	0	175	175
Ramjas College	76	91	167	61	74	135	137	165	302
SGTB Khalsa College	11	17	28	7	10	17	18	27	45
Sri Venkateswara College	12	20	32	8	19	27	20	39	59
St. Stephen's College	16	27	43	17	24	41	33	51	84
Zakir Husain College	17	8	25	11	10	21	28	18	46
<b>Total :</b>	<b>363</b>	<b>728</b>	<b>1091</b>	<b>265</b>	<b>541</b>	<b>806</b>	<b>628</b>	<b>1269</b>	<b>1897</b>
Department of Computer Science	15	25	40	10	22	32	25	47	72
Department of Operational Research (SDC)	12	4	16	9	8	17	21	12	33

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Dr. B.R. Ambedkar Centre for Bio-Medical Res.	10	24	34	11	17	28	21	41	62
School of Environmental Studies	12	9	21	6	7	13	18	16	34
Department of Environmental Biology	1	5	6	1	4	5	2	9	11
<b>Total(Fac./Deptt./Centre):</b>	<b>50</b>	<b>67</b>	<b>117</b>	<b>37</b>	<b>58</b>	<b>95</b>	<b>87</b>	<b>125</b>	<b>212</b>
<b>Total(Regular):</b>	<b>413</b>	<b>795</b>	<b>1208</b>	<b>302</b>	<b>599</b>	<b>901</b>	<b>715</b>	<b>1394</b>	<b>2109</b>
Non-Collegiate Women's Edn. Board	0	25	25	0	9	9	0	34	34
<b>Total(Nonformal):</b>	<b>0</b>	<b>25</b>	<b>25</b>	<b>0</b>	<b>9</b>	<b>9</b>	<b>0</b>	<b>34</b>	<b>34</b>
<b>Grand Total:</b>	<b>413</b>	<b>820</b>	<b>1233</b>	<b>302</b>	<b>608</b>	<b>910</b>	<b>715</b>	<b>1428</b>	<b>2143</b>

**M.Sc. Course-wise**

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
<b>Course</b>									
Mathematics	46	103	149	28	64	92	74	167	241
Statistics	9	48	57	12	37	49	21	85	106
Operational Research	31	29	60	15	31	46	46	60	106
Applied Operational Research	12	4	16	9	8	17	21	12	33
Computer Science	15	25	40	10	22	32	25	47	72
Anthropology	8	21	29	12	34	46	20	55	75
Botany	13	46	59	11	39	50	24	85	109
Chemistry	89	149	238	70	116	186	159	265	424
Geology	17	13	30	11	7	18	28	20	48
Physics	124	141	265	92	77	169	216	218	434
Zoology	26	53	79	14	45	59	40	98	138
Home Science	0	125	125	0	91	91	0	216	216
Bio-Medical Research	10	24	34	11	17	28	21	41	62
Environmental Biology	1	5	6	1	4	5	2	9	11
Environmental Studies	12	9	21	6	7	13	18	16	34
<b>Total:</b>	<b>413</b>	<b>795</b>	<b>1208</b>	<b>302</b>	<b>599</b>	<b>901</b>	<b>715</b>	<b>1394</b>	<b>2109</b>

**M.Sc.(Mathematics)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
<b>College</b>									
Acharya Narendra Dev College	4	3	7	3	1	4	7	4	11
Deshbandhu College	3	2	5	3	2	5	6	4	10
Dyal Singh College	0	4	4	1	1	2	1	5	6
Hans Raj College	6	20	26	3	9	12	9	29	38
Hindu College	4	10	14	7	15	22	11	25	36
Kirori Mal College	3	9	12	1	10	11	4	19	23
Miranda House (W)	0	20	20	0	7	7	0	27	27
Ramjas College	9	20	29	7	9	16	16	29	45
SGTB Khalsa College	2	3	5	1	2	3	3	5	8
St. Stephen's College	1	7	8	0	4	4	1	11	12
Zakir Husain College	14	5	19	2	4	6	16	9	25
<b>Total :</b>	<b>46</b>	<b>103</b>	<b>149</b>	<b>28</b>	<b>64</b>	<b>92</b>	<b>74</b>	<b>167</b>	<b>241</b>
Non-Collegiate Women's Edn. Board	0	25	25	0	9	9	0	34	34
<b>Total(Nonformal):</b>	<b>0</b>	<b>25</b>	<b>25</b>	<b>0</b>	<b>9</b>	<b>9</b>	<b>0</b>	<b>34</b>	<b>34</b>
<b>Grand Total :</b>	<b>46</b>	<b>128</b>	<b>174</b>	<b>28</b>	<b>73</b>	<b>101</b>	<b>74</b>	<b>201</b>	<b>275</b>



**M.Sc. Statistics**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Hindu College	4	23	27	4	19	23	8	42	50
Ramjas College	2	16	18	5	15	20	7	31	38
Sri Venkateswara College	3	9	12	3	3	6	6	12	18
<b>Total :</b>	<b>9</b>	<b>48</b>	<b>57</b>	<b>12</b>	<b>37</b>	<b>49</b>	<b>21</b>	<b>85</b>	<b>106</b>

**M.Sc. (Operational Research)**

Hans Raj College	9	15	24	2	17	19	11	32	43
Hindu College	9	4	13	2	6	8	11	10	21
Kirori Mal College	4	5	9	5	0	5	9	5	14
Ramjas College	3	3	6	5	1	6	8	4	12
St. Stephen's College	6	2	8	1	7	8	7	9	16
<b>Total :</b>	<b>31</b>	<b>29</b>	<b>60</b>	<b>15</b>	<b>31</b>	<b>46</b>	<b>46</b>	<b>60</b>	<b>106</b>

**M.Sc. (Applied Operational Research)**

Department of Operational Research (SDC)	12	4	16	9	8	17	21	12	33
<b>Total :</b>	<b>12</b>	<b>4</b>	<b>16</b>	<b>9</b>	<b>8</b>	<b>17</b>	<b>21</b>	<b>12</b>	<b>33</b>

**M.Sc. (Computer Science)**

Department of Computer Science	15	25	40	10	22	32	25	47	72
<b>Total :</b>	<b>15</b>	<b>25</b>	<b>40</b>	<b>10</b>	<b>22</b>	<b>32</b>	<b>25</b>	<b>47</b>	<b>72</b>

**M.Sc. (Anthropology)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Hans Raj College	8	16	24	12	23	35	20	39	59
Miranda House (W)	0	5	5	0	11	11	0	16	16
<b>Total :</b>	<b>8</b>	<b>21</b>	<b>29</b>	<b>12</b>	<b>34</b>	<b>46</b>	<b>20</b>	<b>55</b>	<b>75</b>

**M.Sc. (Botany)**

Hans Raj College	2	8	10	1	8	9	3	16	19
Hindu College	7	13	20	4	12	16	11	25	36
Kirori Mal College	1	7	8	3	4	7	4	11	15
Miranda House (W)	0	14	14	0	10	10	0	24	24
Ramjas College	3	3	6	2	1	3	5	4	9
SGTB Khalsa College	0	1	1	1	4	5	1	5	6
<b>Total :</b>	<b>13</b>	<b>46</b>	<b>59</b>	<b>11</b>	<b>39</b>	<b>50</b>	<b>24</b>	<b>85</b>	<b>109</b>

**M.Sc. (Chemistry)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	0	0	0	1	0	1	1	0	1
Gargi College (W)	0	2	2	0	2	2	0	4	4
Hans Raj College	19	21	40	11	12	23	30	33	63
Hindu College	11	38	49	5	11	16	16	49	65
Kirori Mal College	20	19	39	14	17	31	34	36	70
Miranda House (W)	0	25	25	0	15	15	0	40	40
Ramjas College	28	24	52	19	31	50	47	55	102
SGTB Khalsa College	2	6	8	3	2	5	5	8	13
Sri Venkateswara College	3	2	5	5	14	19	8	16	24
St. Stephen's College	3	9	12	4	7	11	7	16	23
Zakir Husain College	3	3	6	8	5	13	11	8	19
<b>Total :</b>	<b>89</b>	<b>149</b>	<b>238</b>	<b>70</b>	<b>116</b>	<b>186</b>	<b>159</b>	<b>265</b>	<b>424</b>

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**M.Sc. (Geology)**

Hans Raj College	17	13	30	11	7	18	28	20	48
<b>Total :</b>	<b>17</b>	<b>13</b>	<b>30</b>	<b>11</b>	<b>7</b>	<b>18</b>	<b>28</b>	<b>20</b>	<b>48</b>

**M.Sc. (Physics)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Hans Raj College	26	28	54	20	17	37	46	45	91
Hindu College	32	21	53	15	14	29	47	35	82
Kirori Mal College	18	19	37	21	11	32	39	30	69
Miranda House (W)	0	28	28	0	11	11	0	39	39
Ramjas College	30	21	51	22	14	36	52	35	87
SGTB Khalsa College	6	7	13	2	2	4	8	9	17
Sri Venkateswara College	6	8	14	0	2	2	6	10	16
St. Stephen's College	6	9	15	12	6	18	18	15	33
<b>Total :</b>	<b>124</b>	<b>141</b>	<b>265</b>	<b>92</b>	<b>77</b>	<b>169</b>	<b>216</b>	<b>218</b>	<b>434</b>

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**M.Sc. (Zoology)**

Hans Raj College	12	14	26	5	13	18	17	27	44
Hindu College	5	14	19	3	11	14	8	25	33
Kirori Mal College	7	2	9	4	6	10	11	8	19
Miranda House (W)	0	18	18	0	11	11	0	29	29
Ramjas College	1	4	5	1	3	4	2	7	9
SGTB Khalsa College	1	0	1	0	0	0	1	0	1
Sri Venkateswara College	0	1	1	0	0	0	0	1	1
Zakir Husain College	0	0	0	1	1	2	1	1	2
<b>Total :</b>	<b>26</b>	<b>53</b>	<b>79</b>	<b>14</b>	<b>45</b>	<b>59</b>	<b>40</b>	<b>98</b>	<b>138</b>

**M.Sc. (Home Science)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Institute of Home Economics (W)	0	30	30	0	22	22	0	52	52
Lady Irwin College (W)	0	95	95	0	69	69	0	164	164
<b>Total :</b>	<b>0</b>	<b>125</b>	<b>125</b>	<b>0</b>	<b>91</b>	<b>91</b>	<b>0</b>	<b>216</b>	<b>216</b>

**M.Sc. (Bio-Medical Research)**

Dr. B.R. Ambedkar Centre for Bio-Medical Res.	10	24	34	11	17	28	21	41	62
<b>Total :</b>	<b>10</b>	<b>24</b>	<b>34</b>	<b>11</b>	<b>17</b>	<b>28</b>	<b>21</b>	<b>41</b>	<b>62</b>

**M.Sc. Environmental Biology**

Deptt. of Environmental Biology	1	5	6	1	4	5	2	9	11
<b>Total :</b>	<b>1</b>	<b>5</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>2</b>	<b>9</b>	<b>11</b>

**M.Sc. Environmental Studies**

School of Environmental Studies	12	9	21	6	7	13	18	16	34
<b>Total :</b>	<b>12</b>	<b>9</b>	<b>21</b>	<b>6</b>	<b>7</b>	<b>13</b>	<b>18</b>	<b>16</b>	<b>34</b>

**M.Sc. (Applied Sc.) Course-wise**

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Bio-Chemistry	2	6	8	1	8	9	3	14	17
Electronics	12	17	29	15	7	22	27	24	51
Genetics	5	7	12	5	6	11	10	13	23
Micro-Biology	2	10	12	1	7	8	3	17	20
Plant Mole. Bio. & Bio-Tech.	5	7	12	5	6	11	10	13	23
Informatics	22	23	45	12	22	34	34	45	79
<b>Total:</b>	<b>48</b>	<b>70</b>	<b>118</b>	<b>39</b>	<b>56</b>	<b>95</b>	<b>87</b>	<b>126</b>	<b>213</b>

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**M.Sc. (Bio-Chemistry)**

Department of Bio-Chemistry (SDC)	2	6	8	1	8	9	3	14	17
<b>Total :</b>	<b>2</b>	<b>6</b>	<b>8</b>	<b>1</b>	<b>8</b>	<b>9</b>	<b>3</b>	<b>14</b>	<b>17</b>

**M.Sc. (Electronics)**

Department of Electronic Science	12	17	29	15	7	22	27	24	51
<b>Total :</b>	<b>12</b>	<b>17</b>	<b>29</b>	<b>15</b>	<b>7</b>	<b>22</b>	<b>27</b>	<b>24</b>	<b>51</b>

**M.Sc. (Genetics)**

Department of Genetics (SDC)	5	7	12	5	6	11	10	13	23
<b>Total :</b>	<b>5</b>	<b>7</b>	<b>12</b>	<b>5</b>	<b>6</b>	<b>11</b>	<b>10</b>	<b>13</b>	<b>23</b>

**M.Sc. (Micro-biology)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Department of Micro-biology (SDC)	2	10	12	1	7	8	3	17	20
<b>Total :</b>	<b>2</b>	<b>10</b>	<b>12</b>	<b>1</b>	<b>7</b>	<b>8</b>	<b>3</b>	<b>17</b>	<b>20</b>

**M.Sc. (Plant Mole. Bio & Bio-Tech.)**

Department of Plant Molecular Biology	5	7	12	5	6	11	10	13	23
<b>Total :</b>	<b>5</b>	<b>7</b>	<b>12</b>	<b>5</b>	<b>6</b>	<b>11</b>	<b>10</b>	<b>13</b>	<b>23</b>

**M.Sc. (Informatics)**

Institute of Informatic & Communication	22	23	45	12	22	34	34	45	79
<b>Total :</b>	<b>22</b>	<b>23</b>	<b>45</b>	<b>12</b>	<b>22</b>	<b>34</b>	<b>34</b>	<b>45</b>	<b>79</b>

**M. Pharma**

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College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Delhi Instt. of Pharma. Sc. & Res.	21	29	50	27	18	45	48	47	95
<b>Total :</b>	<b>21</b>	<b>29</b>	<b>50</b>	<b>27</b>	<b>18</b>	<b>45</b>	<b>48</b>	<b>47</b>	<b>95</b>

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**M. Nursing**

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R.A.K. College of Nursing (W)	1	19	20	1	21	22	2	40	42
<b>Total :</b>	<b>1</b>	<b>19</b>	<b>20</b>	<b>1</b>	<b>21</b>	<b>22</b>	<b>2</b>	<b>40</b>	<b>42</b>

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**Master of Fine Art (M.F.A.)**

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College of Art	44	37	81	17	13	30	61	50	111
<b>Total :</b>	<b>44</b>	<b>37</b>	<b>81</b>	<b>17</b>	<b>13</b>	<b>30</b>	<b>61</b>	<b>50</b>	<b>111</b>

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**Course Wise distribution  
for M.Tech. Under the Faculty of SCIENCE**

**M. Tech. Courses**

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
M.Tech. (Chem. Synth. & Proc. Tech.)	12	8	20	10	4	14	22	12	34
M.Tech. (Nano Sc & Nano Tech.)	5	6	11	3	11	14	8	17	25
M.Tech. (Nuclr Sc. and Tech.)	7	7	14	7	5	12	14	12	26
<b>Total:</b>	<b>24</b>	<b>21</b>	<b>45</b>	<b>20</b>	<b>20</b>	<b>40</b>	<b>44</b>	<b>41</b>	<b>85</b>

**M. Tech. (Microwave Electronics)**

Department of Electronic Science	19	1	20	6	1	7	25	2	27
<b>Total :</b>	<b>19</b>	<b>1</b>	<b>20</b>	<b>6</b>	<b>1</b>	<b>7</b>	<b>25</b>	<b>2</b>	<b>27</b>

**College-wise and Course-wise  
distribution of Students**

**B.Ed.**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Lady Irwin College (W)	0	77	77	0	0	0	0	77	77
Shyama Prasad Mukherji College(W)	0	97	97	0	0	0	0	97	97
M.V. College of Education	80	78	158	0	0	0	80	78	158
<b>Total :</b>	<b>80</b>	<b>252</b>	<b>332</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80</b>	<b>252</b>	<b>332</b>
Department of Education	64	162	226	0	0	0	64	162	226
<b>Grand Total :</b>	<b>144</b>	<b>414</b>	<b>558</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>144</b>	<b>414</b>	<b>558</b>

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**B.Ed. (Special Education)**

Lady Irwin College (W)	0	27	27	0	0	0	0	27	27
Durga Bai Deshmukh College	16	17	33	0	0	0	16	17	33
<b>Total :</b>	<b>16</b>	<b>44</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>44</b>	<b>60</b>

**M. Ed. (Full-Time)**

Department of Education	6	26	32	0	0	0	6	26	32
<b>Total :</b>	<b>6</b>	<b>26</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>26</b>	<b>32</b>

**M.Ed. (Part-time)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Department of Education	6	29	35	19	7	26	25	36	61
<b>Total :</b>	<b>6</b>	<b>29</b>	<b>35</b>	<b>19</b>	<b>7</b>	<b>26</b>	<b>25</b>	<b>36</b>	<b>61</b>

**B.P. Ed. (B. Phy. Education)**

I.G.Inst. of Phy.Edu.& Sports Sc.	43	25	68	0	0	0	43	25	68
<b>Total :</b>	<b>43</b>	<b>25</b>	<b>68</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>25</b>	<b>68</b>

**M.P. Ed. (Master of Phy. Education)**

I.G.Inst. of Phy.Edu.& Sports Sc.	23	12	35	18	12	30	41	24	65
<b>Total :</b>	<b>23</b>	<b>12</b>	<b>35</b>	<b>18</b>	<b>12</b>	<b>30</b>	<b>41</b>	<b>24</b>	<b>65</b>

**Bachelor of Law (LL.B.)**

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Campus Law Centre	549	176	725	303	127	430	232	168	400	1084	471	1555
<b>Total (Deptt) Day :</b>	<b>549</b>	<b>176</b>	<b>725</b>	<b>303</b>	<b>127</b>	<b>430</b>	<b>232</b>	<b>168</b>	<b>400</b>	<b>1084</b>	<b>471</b>	<b>1555</b>
Law Centre - I	645	185	830	348	85	433	270	109	379	1263	379	1642
Law Centre - II	453	94	547	193	53	246	167	46	213	813	193	1006
<b>Total (Deptt) Eve:</b>	<b>1098</b>	<b>279</b>	<b>1377</b>	<b>541</b>	<b>138</b>	<b>679</b>	<b>437</b>	<b>155</b>	<b>592</b>	<b>2076</b>	<b>572</b>	<b>2648</b>
<b>Grand Total :</b>	<b>1647</b>	<b>455</b>	<b>2102</b>	<b>844</b>	<b>265</b>	<b>1109</b>	<b>669</b>	<b>323</b>	<b>992</b>	<b>3160</b>	<b>1043</b>	<b>4203</b>

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**Master of Law (LL.M. Two year)**

Faculty of Law	40	13	53	21	8	29	0	0	0	61	21	82
<b>Total :</b>	<b>40</b>	<b>13</b>	<b>53</b>	<b>21</b>	<b>8</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>61</b>	<b>21</b>	<b>82</b>

**Master of Law (LL.M. Three year)**

Faculty of Law	33	11	44	18	4	22	23	4	27	74	19	93
<b>Total :</b>	<b>33</b>	<b>11</b>	<b>44</b>	<b>18</b>	<b>4</b>	<b>22</b>	<b>23</b>	<b>4</b>	<b>27</b>	<b>74</b>	<b>19</b>	<b>93</b>

**Master of Comparative Laws (M.C.L. Two year)**

Faculty of Law	2	3	5	1	6	7	0	0	0	3	9	12
<b>Total :</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>9</b>	<b>12</b>

**Master of Business Administration (M.B.A. Full-time Two-year)**

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Faculty of Management Studies	112	32	144	76	33	109	0	0	0	188	65	253
<b>Total (Deptt) :</b>	<b>112</b>	<b>32</b>	<b>144</b>	<b>76</b>	<b>33</b>	<b>109</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>188</b>	<b>65</b>	<b>253</b>

**Master of Business Administration in Management Service (Full-time)**

Faculty of Management Studies	58	6	64	39	10	49	0	0	0	97	16	113
<b>Total (Deptt) :</b>	<b>58</b>	<b>6</b>	<b>64</b>	<b>39</b>	<b>10</b>	<b>49</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>97</b>	<b>16</b>	<b>113</b>

**Master of Business Administration (M.B.A. Part-time Three-year)**

Faculty of Management Studies	133	19	152	106	14	120	99	6	105	338	39	377
<b>Total (Deptt) Eve :</b>	<b>133</b>	<b>19</b>	<b>152</b>	<b>106</b>	<b>14</b>	<b>120</b>	<b>99</b>	<b>6</b>	<b>105</b>	<b>338</b>	<b>39</b>	<b>377</b>

**Master of Business Administration in Health Care Administration (Three year)**

Faculty of Management Studies	22	6	28	18	6	24	10	7	17	50	19	69
<b>Total (Deptt) :</b>	<b>22</b>	<b>6</b>	<b>28</b>	<b>18</b>	<b>6</b>	<b>24</b>	<b>10</b>	<b>7</b>	<b>17</b>	<b>50</b>	<b>19</b>	<b>69</b>

**Master of Technology (Full Time) Subject-wise**

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
M.Tech. Signal Proc. FT	11	4	15	12	4	16	0	0	0	23	8	31
M.Tech. Inform. Sys. FT	11	5	16	8	6	14	0	0	0	19	11	30
M.Tech. Process Cont. FT	11	1	12	15	1	16	0	0	0	26	2	28
<b>Total:</b>	<b>33</b>	<b>10</b>	<b>43</b>	<b>35</b>	<b>11</b>	<b>46</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>21</b>	<b>89</b>

**Master of Technology (Part Time) Subject-wise**

M.Tech. Signal Proc. PT	3	0	3	3	1	4	2	3	5	8	4	12
M.Tech. Inform. Sys. PT	0	1	1	2	0	2	3	1	4	5	2	7
M.Tech. Process Cont. PT	0	1	1	1	1	2	1	0	1	2	2	4
<b>Total:</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>10</b>	<b>15</b>	<b>8</b>	<b>23</b>

**Master of Engineering (Full Time) Subject-wise**

M.E. Environmental Engg. FT	0	0	0	1	0	1	0	0	0	1	0	1
M.E. Structural Engg. FT	0	0	0	15	0	15	0	0	0	15	0	15
M.E. Comp. Tech. & Appl. FT	0	0	0	13	0	13	0	0	0	13	0	13
M.E. Polymer Technology FT	0	0	0	9	1	10	0	0	0	9	1	10
M.E. Control & Instrumen. FT	0	0	0	9	3	12	0	0	0	9	3	12
M.E. Elect. & Commun) FT	0	0	0	14	2	16	0	0	0	14	2	16
M.E. Production & Ind. FT	0	0	0	13	0	13	0	0	0	13	0	13
M.E. Thermal Engg. FT	0	0	0	13	0	13	0	0	0	13	0	13
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>87</b>	<b>6</b>	<b>93</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>87</b>	<b>6</b>	<b>93</b>

**Master of Engineering (Part Time) Subject-wise**

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
M.E. Environmental Engg. PT	0	0	0	1	1	2	4	1	5	5	2	7
M.E. Hydraulic & Flood Cont. PT	0	0	0	0	0	0	1	0	1	1	0	1
M.E. Computer App. PT	0	0	0	3	2	5	3	1	4	6	3	9
M.E. Control & Instrument PT	0	0	0	4	1	5	3	1	4	7	2	9
M.E. Elect. & Commun. PT	0	0	0	9	1	10	3	2	5	12	3	15
M.E. Power Apparatus & Sys. PT	0	0	0	0	0	0	5	0	5	5	0	5
M.E. Production PT	0	0	0	4	1	5	2	0	2	6	1	7
M.E. Thermal PT	0	0	0	4	0	4	3	0	3	7	0	7
M.E. Polymer PT	0	0	0	0	0	0	4	0	4	4	0	4
M.E. Structure PT	0	0	0	4	1	5	5	0	5	9	1	10
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>7</b>	<b>36</b>	<b>33</b>	<b>5</b>	<b>38</b>	<b>62</b>	<b>12</b>	<b>74</b>

**M.Sc. (Applied Physics Part-time)**

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Delhi College of Engineering	0	0	0	1	0	1	1	0	1	2	0	2
<b>Total (Eve) :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>

**M.D.S (M. in Dental Surg.)**

Maulana Azad Medical College	5	4	9	4	4	8	5	3	8	14	11	25
<b>Total :</b>	<b>5</b>	<b>4</b>	<b>9</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>5</b>	<b>3</b>	<b>8</b>	<b>14</b>	<b>11</b>	<b>25</b>

**M.D. (Ayurvedic Medicine) Subject-wise**

Kayachikitsa	0	0	0	0	0	0	2	0	2	2	0	2
Kriya sharir	0	0	0	0	0	0	0	2	2	0	2	2
Moalijat	0	0	0	0	0	0	0	1	1	0	1	1
<b>Total:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>5</b>



**M.D. (Homoeopathic Medicine) Subject-wise**

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Practice of Medicine	1	1	2	0	2	2	0	0	0	1	3	4
Organo of Med. & Homoeo. Phy.	0	2	2	0	2	2	0	0	0	0	4	4
<b>Total:</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>8</b>

**P.G. Degree in DM/MCH**

Faculty of Medical Sciences	25	0	25	25	0	25	25	0	25	75	0	75
<b>Total:</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>75</b>	<b>0</b>	<b>75</b>

**P.G. Degree (Medical Scienc) Subject-wise in Colleges**

Anaesthesiology	11	9	20	5	7	12	4	8	12	20	24	44
Community Medicine	3	5	8	4	3	7	5	3	8	12	11	23
Dermatology & Venerology & LE	4	3	7	1	6	7	1	6	7	6	15	21
Forensic Medicine	6	1	7	3	3	6	3	3	6	12	7	19
Bio-Chemistry	2	3	5	2	3	5	2	4	6	6	10	16
General Medicine	24	5	29	20	5	25	18	7	25	62	17	79
Microbiology	1	10	11	4	5	9	5	4	9	10	19	29
Obstt. & Gynae.	0	23	23	0	18	18	1	17	18	1	58	59
Paediatrics	12	13	25	6	13	19	14	5	19	32	31	63
Pathology	0	10	10	2	7	9	1	8	9	3	25	28
Pharmacology	7	1	8	7	0	7	6	1	7	20	2	22
Physiology	6	2	8	7	1	8	3	4	7	16	7	23
Psychiatry	2	1	3	2	1	3	2	1	3	6	3	9
Radio-Diagnosis	4	3	7	3	3	6	4	2	6	11	8	19
Radio-Therapy	2	0	2	1	1	2	1	1	2	4	2	6
Anatomy	1	2	3	0	6	6	4	3	7	5	11	16

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
E.N.T. Otorhino	2	5	7	5	2	7	2	5	7	9	12	21
Ophthalmology	4	7	11	1	10	11	5	6	11	10	23	33
Orthopaedics	13	0	13	10	0	10	8	0	8	31	0	31
General Surgery	20	4	24	17	2	19	18	1	19	55	7	62
<b>Total:</b>	<b>124</b>	<b>107</b>	<b>231</b>	<b>100</b>	<b>96</b>	<b>196</b>	<b>107</b>	<b>89</b>	<b>196</b>	<b>331</b>	<b>292</b>	<b>623</b>

#### P.G. Degree Medical Science in other Institutes

Faculty of Medical Sciences	28	6	34	32	9	41	44	8	52	104	23	127
<b>Total:</b>	<b>28</b>	<b>6</b>	<b>34</b>	<b>32</b>	<b>9</b>	<b>41</b>	<b>44</b>	<b>8</b>	<b>52</b>	<b>104</b>	<b>23</b>	<b>127</b>

#### P.G. Diploma (Medical Science) Subject-wise

Anaesthesiology (D.A.)	5	4	9	7	1	8	0	0	0	12	5	17
Dermat.& Venereology (DDV)	0	2	2	0	1	1	0	0	0	0	3	3
Radio-Diagnosis (DMRD)	2	0	2	1	1	2	0	0	0	3	1	4
Obstt.& Gynaecology (DGO)	0	12	12	0	12	12	0	0	0	0	24	24
Ophthalmology (D.O.)	2	3	5	1	4	5	0	0	0	3	7	10
Otorhinolaryngology (DLO)	1	0	1	1	1	2	0	0	0	2	1	3
Tub.& Chest Diseases (DTCD)	6	4	10	8	2	10	0	0	0	14	6	20
Paediatrics (DCH)	7	2	9	7	2	9	0	0	0	14	4	18
<b>Total:</b>	<b>23</b>	<b>27</b>	<b>50</b>	<b>25</b>	<b>24</b>	<b>49</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>51</b>	<b>99</b>

#### P.G. Diploma (Medical Science) Other Institute

Faculty of Medical Sciences	28	10	38	22	16	38	0	0	0	50	26	76
<b>Total:</b>	<b>28</b>	<b>10</b>	<b>38</b>	<b>22</b>	<b>16</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>26</b>	<b>76</b>

**Course wise distribution  
Under Faculty of Medical Science**

**Faculty of Medical Science**

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.D.S.	11	20	31	12	17	29	21	16	37	10	28	38	15	6	21	69	87	156
M.B.B.S.	225	259	484	205	216	421	205	212	417	249	166	415	219	189	408	1103	1042	2145
B.Sc.(Med. Tech.-Radi	8	7	15	4	10	14	2	3	5	0	0	0	0	0	0	14	20	34
P.G.Dip.in Anaesthesiolo	5	4	9	7	1	8	0	0	0	0	0	0	0	0	0	12	5	17
P.G.Dip.in Dermat.& Vene	0	2	2	0	1	1	0	0	0	0	0	0	0	0	0	0	3	3
P.G.Dip.in Radio-Diagnos	2	0	2	1	1	2	0	0	0	0	0	0	0	0	0	3	1	4
P.G.Dip.in Obstt.& Gynae	0	12	12	0	12	12	0	0	0	0	0	0	0	0	0	0	24	24
P.G.Dip.in Ophthalmology	2	3	5	1	4	5	0	0	0	0	0	0	0	0	0	3	7	10
P.G.Dip.in Otorhinolaryn	1	0	1	1	1	2	0	0	0	0	0	0	0	0	0	2	1	3
P.G.Dip.in Tub.& Chest D	6	4	10	8	2	10	0	0	0	0	0	0	0	0	0	14	6	20
P.G.Dip.in Paediatrics	7	2	9	7	2	9	0	0	0	0	0	0	0	0	0	14	4	18
P.G.Dip. Med. Sc.-Other	28	10	38	22	16	38	0	0	0	0	0	0	0	0	0	50	26	76
M.D. (Anaesthesiology)	11	9	20	5	7	12	4	8	12	0	0	0	0	0	0	20	24	44
M.D. (Community Med.)	3	5	8	4	3	7	5	3	8	0	0	0	0	0	0	12	11	23
M.D.(Dermatology & Vene)	4	3	7	1	6	7	1	6	7	0	0	0	0	0	0	6	15	21
M.D. (Forensic Medicine)	6	1	7	3	3	6	3	3	6	0	0	0	0	0	0	12	7	19
M.D. (Bio-Chemistry)	2	3	5	2	3	5	2	4	6	0	0	0	0	0	0	6	10	16
M.D. (General Medicine)	24	5	29	20	5	25	18	7	25	0	0	0	0	0	0	62	17	79
M.D. (Microbiology)	1	10	11	4	5	9	5	4	9	0	0	0	0	0	0	10	19	29

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
M.D. (Obstt.& Gynae)	0	23	23	0	18	18	1	17	18	0	0	0	0	0	0	1	58	59
M.D. (Paediatrics)	12	13	25	6	13	19	14	5	19	0	0	0	0	0	0	32	31	63
M.D. (Pathology)	0	10	10	2	7	9	1	8	9	0	0	0	0	0	0	3	25	28
M.D. (Pharmacology)	7	1	8	7	0	7	6	1	7	0	0	0	0	0	0	20	2	22
M.D. (Physiology)	6	2	8	7	1	8	3	4	7	0	0	0	0	0	0	16	7	23
M.D. (Psychiatry)	2	1	3	2	1	3	2	1	3	0	0	0	0	0	0	6	3	9
M.D. (Radio-Diagnosis)	4	3	7	3	3	6	4	2	6	0	0	0	0	0	0	11	8	19
M.D. (Radio-Therapy)	2	0	2	1	1	2	1	1	2	0	0	0	0	0	0	4	2	6
M.D. (Practice of Medi.)	1	1	2	0	2	2	0	0	0	0	0	0	0	0	0	1	3	4
M.D. (Organo of Med. & H)	0	2	2	0	2	2	0	0	0	0	0	0	0	0	0	0	4	4
MDS (M. in Dental Surg)	5	4	9	4	4	8	5	3	8	0	0	0	0	0	0	14	11	25
M.S. (Anatomy)	1	2	3	0	6	6	4	3	7	0	0	0	0	0	0	5	11	16
M.S. (E.N.T.) Otorhino	2	5	7	5	2	7	2	5	7	0	0	0	0	0	0	9	12	21
M.S. (Ophthalmology)	4	7	11	1	10	11	5	6	11	0	0	0	0	0	0	10	23	33
M.S. (Orthopaedics)	13	0	13	10	0	10	8	0	8	0	0	0	0	0	0	31	0	31
M.S. (General Surgery)	20	4	24	17	2	19	18	1	19	0	0	0	0	0	0	55	7	62
P.G.Deg. Med. Sc.-Other	28	6	34	32	9	41	44	8	52	0	0	0	0	0	0	104	23	127
D.M./MCH (Combind)	25	0	25	25	0	25	25	0	25	0	0	0	0	0	0	75	0	75
* Ph.D																20	15	35
<b>Total :</b>	<b>478</b>	<b>443</b>	<b>921</b>	<b>429</b>	<b>396</b>	<b>825</b>	<b>409</b>	<b>331</b>	<b>740</b>	<b>259</b>	<b>194</b>	<b>453</b>	<b>234</b>	<b>195</b>	<b>429</b>	<b>1829</b>	<b>1574</b>	<b>3403</b>

\*Total Ph.D students enrolled in Faculty of Medical Science

**Course Wise distribution  
Under Faculty of Technology**

**Faculty of Technology**

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
	B.E. (Civil Engg.)	62	8	70	62	8	70	61	9	70	51	1	52	0	0	0	236	26
B.E. (Civil Engg.)	0	0	0	62	8	70	62	8	70	61	9	70	0	0	0	185	25	210
B.E. (Computer Engg.)	101	29	130	173	38	211	182	32	214	186	24	210	0	0	0	642	123	765
B.E. (Electrical Engg.)	0	0	0	68	22	90	72	18	90	75	15	90	0	0	0	215	55	270
B.E. (Electronics & Com.)	102	29	131	199	42	241	199	42	241	222	20	242	0	0	0	722	133	855
B.E. (Instrum. & Control)	98	30	128	103	18	121	90	30	120	101	19	120	0	0	0	392	97	489
B.E. (Mechanical Engg.)	0	0	0	120	0	120	119	1	120	117	3	120	0	0	0	356	4	360
B.E. (Production & Ind.)	0	0	0	26	4	30	25	5	30	25	5	30	0	0	0	76	14	90
B.E. Environ. Engg.)	0	0	0	21	9	30	19	7	26	17	13	30	0	0	0	57	29	86
B.E. Polymer Sc. & Chem.	0	0	0	26	4	30	31	8	39	33	7	40	0	0	0	90	19	109
B.E. Bio-Technology	11	7	18	24	13	37	22	17	39	24	16	40	0	0	0	81	53	134
B.E. (Information Tech.)	43	21	64	86	34	120	95	25	120	95	25	120	0	0	0	319	105	424
B.E. (Manufact. Process)	56	8	64	53	17	70	51	8	59	48	12	60	0	0	0	208	45	253
B. Tech (Civil Engg) PT	0	0	0	30	0	30	30	0	30	30	0	30	0	0	0	90	0	90
B. Tech (Electrical) PT	0	0	0	29	1	30	30	0	30	30	0	30	0	0	0	89	1	90
B. Tech (Electronics & C)	0	0	0	29	1	30	29	1	30	29	1	30	0	0	0	87	3	90
B. Tech (Mech. Engg.)	0	0	0	30	0	30	30	0	30	29	1	30	0	0	0	89	1	90
M.E. Environ. Eng.	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
M.E. Structural Engg FT	0	0	0	15	0	15	0	0	0	0	0	0	0	0	0	15	0	15
M.E. Comp. Tech. & Appl.	0	0	0	13	0	13	0	0	0	0	0	0	0	0	0	13	0	13
M.E. (Polymer Tech)	0	0	0	9	1	10	0	0	0	0	0	0	0	0	0	9	1	10
M.E. (Control & Instr.)	0	0	0	9	3	12	0	0	0	0	0	0	0	0	0	9	3	12
M.E. (Elect. & Commun.)	0	0	0	14	2	16	0	0	0	0	0	0	0	0	0	14	2	16
M.E. Prod. & Ind. F)	0	0	0	13	0	13	0	0	0	0	0	0	0	0	0	13	0	13

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
M.E. Thermal Eng. FT	0	0	0	13	0	13	0	0	0	0	0	0	0	0	0	13	0	13
M.E. (Environ. Engg.)	0	0	0	1	1	2	4	1	5	0	0	0	0	0	0	5	2	7
M.E. (Hydraulic & Flood)	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
M.E. (Computer App.) PT	0	0	0	3	2	5	3	1	4	0	0	0	0	0	0	6	3	9
M.E. (Control & Instru.)	0	0	0	4	1	5	3	1	4	0	0	0	0	0	0	7	2	9
M.E. (Elect. & Commun.)	0	0	0	9	1	10	3	2	5	0	0	0	0	0	0	12	3	15
M.E. (Power Apparatus &)	0	0	0	0	0	0	5	0	5	0	0	0	0	0	0	5	0	5
M.E. (Production) PT	0	0	0	4	1	5	2	0	2	0	0	0	0	0	0	6	1	7
M.E. (Thermal) PT	0	0	0	4	0	4	3	0	3	0	0	0	0	0	0	7	0	7
M.E. (Polymer) PT	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	4	0	4
M.E. (Structure) PT	0	0	0	4	1	5	5	0	5	0	0	0	0	0	0	9	1	10
M.Tech(Signal Proc.) FT	11	4	15	12	4	16	0	0	0	0	0	0	0	0	0	23	8	31
M.Tech (Inform. Sys.) FT	11	5	16	8	6	14	0	0	0	0	0	0	0	0	0	19	11	30
M.Tech (Process Cont.) F	11	1	12	15	1	16	0	0	0	0	0	0	0	0	0	26	2	28
M.Sc.(App. Physics) PT	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	2	0	2
M.Tech.(Signal Proc.) PT	3	0	3	3	1	4	2	3	5	0	0	0	0	0	0	8	4	12
M.Tech (Inform. Ssy.) PT	0	1	1	2	0	2	3	1	4	0	0	0	0	0	0	5	2	7
M.Tech (Process Cont.) P	0	1	1	1	1	2	1	0	1	0	0	0	0	0	0	2	2	4
*Ph.D.																86	52	138
<b>Total :</b>	<b>447</b>	<b>136</b>	<b>583</b>	<b>1237</b>	<b>237</b>	<b>1474</b>	<b>1126</b>	<b>211</b>	<b>1337</b>	<b>1122</b>	<b>170</b>	<b>1292</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4018</b>	<b>806</b>	<b>4824</b>

\*Total Ph.D. students enrolled in Faculty of Technology

**Statement showing the Number of SC/ST Students on Roll  
during the Academic Session 2009-2010**

**Engineering & Technology**

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	218	109	209	88	196	90	197	85	820	372
Post-graduate	38	10	21	3	26	1	0	0	85	14
<b>Total :</b>	<b>256</b>	<b>119</b>	<b>230</b>	<b>91</b>	<b>222</b>	<b>91</b>	<b>197</b>	<b>85</b>	<b>905</b>	<b>386</b>

**Medicine**

	I Year		II Year		III Year		IV Year		V Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	83	15	68	20	67	25	68	22	62	17	348	99
Post-graduate	70	37	32	9	31	10	0	0	0	0	133	56
P.G. Diploma	18	7	9	4	0	0	0	0	0	0	27	11
<b>Total :</b>	<b>171</b>	<b>59</b>	<b>109</b>	<b>33</b>	<b>98</b>	<b>35</b>	<b>68</b>	<b>22</b>	<b>62</b>	<b>17</b>	<b>508</b>	<b>166</b>

**Ayurvedic & Unani**

	I Year		II Year		III Year		IV Year		V Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	10	0	5	0	7	0	7	0	2	0	31	0
<b>Total :</b>	<b>10</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>31</b>	<b>0</b>

**Homeopathic**

	I Year		II Year		III Year		IV Year		V Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	31	5	17	3	18	4	11	5	5	1	82	18
<b>Total :</b>	<b>31</b>	<b>5</b>	<b>17</b>	<b>3</b>	<b>18</b>	<b>4</b>	<b>11</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>82</b>	<b>18</b>



**Nursing**

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	23	10	19	12	18	7	11	5	71	34
Post-graduate	3	2	1	1	0	0	0	0	4	3
<b>Total :</b>	<b>26</b>	<b>12</b>	<b>20</b>	<b>13</b>	<b>18</b>	<b>7</b>	<b>11</b>	<b>5</b>	<b>75</b>	<b>37</b>

**Pharmacy**

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	1	0	9	1	7	0	1	1	18	2
Post-graduate	3	1	2	0	0	0	0	0	5	1
<b>Total :</b>	<b>4</b>	<b>1</b>	<b>11</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>23</b>	<b>3</b>

**Law**

	I Year		II Year		III Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
Post-graduate	370	153	141	77	91	78	602	308
<b>Total :</b>	<b>370</b>	<b>153</b>	<b>141</b>	<b>77</b>	<b>91</b>	<b>78</b>	<b>602</b>	<b>308</b>

**Management**

Post-graduate	55	22	44	20	7	3	106	45
<b>Total :</b>	<b>55</b>	<b>22</b>	<b>44</b>	<b>20</b>	<b>7</b>	<b>3</b>	<b>106</b>	<b>45</b>

**Computer Science**

Post-graduate	11	4	7	2	4	1	22	7
<b>Total :</b>	<b>11</b>	<b>4</b>	<b>7</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>22</b>	<b>7</b>

**Library Science**

Post-graduate	16	3	0	0	0	0	16	3
<b>Total :</b>	<b>16</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>3</b>

**Fine Arts**

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	33	11	25	8	17	10	16	8	91	37
Post-graduate	13	4	9	4	0	0	0	0	22	8
<b>Total :</b>	<b>46</b>	<b>15</b>	<b>34</b>	<b>12</b>	<b>17</b>	<b>10</b>	<b>16</b>	<b>8</b>	<b>113</b>	<b>45</b>

**Education**

Under-graduate	43	21	32	9	27	12	17	7	119	49
Post-graduate	103	35	7	2	0	0	0	0	110	37
<b>Total :</b>	<b>146</b>	<b>56</b>	<b>39</b>	<b>11</b>	<b>27</b>	<b>12</b>	<b>17</b>	<b>7</b>	<b>229</b>	<b>86</b>

**Commerce**

	I Year		II Year		III Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	2046	387	1131	220	1024	170	4201	777
Post-graduate	73	34	30	24	0	0	103	58
<b>Total :</b>	<b>2119</b>	<b>421</b>	<b>1161</b>	<b>244</b>	<b>1024</b>	<b>170</b>	<b>4304</b>	<b>835</b>

**Arts Course**

Under-graduate	3480	1242	2207	852	2012	669	7699	2763
Post-graduate	357	239	192	130	0	0	549	369
<b>Total :</b>	<b>3837</b>	<b>1481</b>	<b>2399</b>	<b>982</b>	<b>2012</b>	<b>669</b>	<b>8248</b>	<b>3132</b>

### Science Course

	I Year		II Year		III Year		IV Year		V Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	1153	326	494	136	440	121	18	7	14	3	2119	593
Post-graduate	185	53	92	36	0	0	0	0	0	0	277	89
<b>Total :</b>	<b>1338</b>	<b>379</b>	<b>586</b>	<b>172</b>	<b>440</b>	<b>121</b>	<b>18</b>	<b>7</b>	<b>14</b>	<b>3</b>	<b>2396</b>	<b>682</b>

### Others

	M.Phil		Ph.D		Cert./Diploma		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
	89	32	214	45	425	65	728	172
<b>Total :</b>	<b>89</b>	<b>32</b>	<b>214</b>	<b>45</b>	<b>425</b>	<b>65</b>	<b>728</b>	<b>172</b>
<b>Grand total :</b>							<b>18386</b>	<b>5895</b>