

88<sup>th</sup>  
ANNUAL REPORT  
2010-2011

PART - I



UNIVERSITY OF DELHI

8<sup>th</sup> February 2012

## P R E F A C E

I am happy to present the 88<sup>th</sup> Annual Report of the University of Delhi for the year ending 31<sup>st</sup> March, 2011. The Report consists of two Parts. Part-I contains the information about University's general infrastructure including Faculties, Departments, Centres and Colleges while Part II carries Miscellaneous & Statistical Information. The Editorial Board, which prepared this Report, comprised of the following members:

1. Prof. Ashok Vohra, Department of Philosophy - *Chairperson*
2. Prof. S.C. Bhatla, Dean, Faculty of Science
3. Prof. H.S. Prasad, Dean, Faculty of Arts
4. Prof. Avinashi Kapoor, Dean, Faculty of Inter-Disciplinary Applied Sciences
5. Prof. Ajay Kumar, Dean, Research
6. Prof. C.S. Dubey, Chairman Sports Council
7. Prof. J.M. Khurana, Dean, Students' Welfare
8. Prof. Rajeev Verma, Adviser, Institute of Life Long Learning
9. Prof. M.M. Chaturvedi, Director, Institute of Life Long Learning
10. Sh. Ram Narain Vats
11. Sh. R.K. Sinha, Registrar
12. Dy. Registrar (Council)

The Report presents the highlights of the activities and achievements of the University of Delhi during the academic year 2010-11.

  
DINESH SINGH  
Vice-Chancellor

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## ACHIEVEMENTS OF THE YEAR

### **Academic**

The University of Delhi has, in keeping with its traditions and growth, moved from strength to strength. This is reflected in the achievements and signposts established by the University during the past one year. The University of Delhi has moved to the number one rank in the list of Indian universities in the most recent list of rankings released by the India Today–Nielsen survey of Indian universities. This is a tribute to the inherent strengths in the systems and institutions of the University of Delhi and reflects on the caliber of students, faculty, administrative and support staff and infrastructure. The University has successfully transitioned to a semester based mode of learning for all programmes of study at the undergraduate as well as the post graduate level. According to India Today–Nielsen survey, two Medical Colleges, have been ranked second and third in the country. They are Maulana Azad Medical College, and the University College of Medical Sciences and GTB Hospital.

### **University Grants Commission and Research Grants**

#### *UGC Grants*

The University Grants Commission has sanctioned 4<sup>th</sup> installment of ₹ 50.00 crore (₹ 25.00 crore to the University Department, out of the tentative allocation of ₹ 100.00 crore and ₹ 25.00 crore to the UGC funded Colleges affiliated to the University out of the tentative allocation of ₹ 300.00 crore) for the year 2009-10 for implementation of OBC reservation as per the Central Educational Institutions (Reservation in Admission) Act, 2006.

An approval by the UGC has been conveyed for continuation of the Special Assistance Programme from DRS-III to CAS-I in the Department of Linguistics for a period of 5 years from 1 April 2010 to 31 March 2015.

The UGC has sanctioned Special Assistance Programme in the Department of Economics at the level of CAS for a period of 5 years from 1 April 2010 to 31 March 2015.

An approval by the UGC has been conveyed for continuation of the Special Assistance Programme from DSA-III to CAS-I in the Department of Physics and Astrophysics for 5 years from 1 April 2010 to 31 March 2015.

The UGC has also given approval and has been conveyed for continuation of the Special Assistance Programme from DSA-III to CAS-I in the Department of Political Science for 5 years from 1 April 2010 to 31 March 2015.

It has also sanctioned ₹ 250.34 crore for the building Projects under the XI Plan.

#### *Research Grants*

During the period under report, many faculty members of the University have been sanctioned Research Projects of the value of more than ₹ one crore each:

**Prof. A.K. Bhatnagar:** Department of Botany has been sanctioned ₹ 4.50 crore from the Ministry of Environment and Forests (MOEF) for the project titled 'Reproductive biology of four RET tree species of central and western himalaya.'

**Prof. Rina Chakrabarti:** Department of Zoology has been sanctioned ₹ 1.24 crore from Indian Council for Agricultural Research (ICAR) for the project 'The nature of impact of abiotic stresses on three diverse fresh water species of fishes'.

**Dr. Sihbnath Mazumdar:** Department of Zoology has been sanctioned ₹ 2.98 crore from Indian Council for Agricultural Research (ICAR) for the project titled 'RNAi Luitam'.

**Prof. V.K. Chaudhary:** Department of Biochemistry has been sanctioned ₹ 2.94 crore from DBT-USER for the project titled 'Sequencing Facility at University of Delhi South Campus + DNA Misc. contingency'.

**Prof. A.K. Pradhan:** Department of Genetics has been sanctioned ₹ 8.0 crore from Department of Biotechnology-BIPP for the project titled 'To Conduct confined field trials and biosafety studies on genetically engineered Brassica Juncea (Male sterility and restorer lines as pollination control mechanism) for heterosis breeding and yield improvement'.

**Prof. J.P. Khurana:** Department of Plant Molecular Biology has been sanctioned ₹ 7.51 crore from Department of Biotechnology for the project titled 'Physical mapping and sample sequencing of wheat chromosome 2A International wheat Genome Sequencing Consortium (India)'.

**Prof. J.P. Khurana:** Department of Plant Molecular Biology has been sanctioned ₹ 1.52 crore from Indian Council for Agricultural Research (ICAR) for the project titled 'Phenomics of moisture deficit & low temperature stress tolerance in rice'.

**Prof. V.K. Chaudhary:** Department of Biochemistry has been sanctioned ₹ 1.82 crore from SIR in association with Industrial Partner for the project titled 'CSIR-Development and production of a therapeutic monoclonal antibody against NAMPT, a novel inflammatory target in association with Industrial Partner-Genova Biopharmaceuticals Ltd. Pune'.

The following faculty members have been sanctioned projects of the value of more than ₹ 10 lac:

<b><i>Name</i></b>	<b><i>Department</i></b>
Dr. Vikrant Jain	Geology
Shri R.K. Shivpuri	Physics & Astrophysics
Prof. Shibnath Mazumdar	Zoology
Dr. D.K. Singh	Zoology
Dr. Rita Singh	Zoology
Dr. P.P. Chakrabarty	Geology
Dr. Neeta Sehgal	Zoology
Dr. Vibha Tandon	Chemistry

Dr. Natesan Thirupathi	Chemistry
Dr. Kirti Ranjan	Physics & Astrophysics
Dr. Supriya K. Kar	Physics & Astrophysics
Dr. B.C. Choudhary	Physics & Astrophysics
Dr. Ashok K. Prasad	Chemistry
Dr. Sandeep Das	Botany
Dr. Vinod Kumar	Zoology
Dr. Tarkeshwar Gupta	Chemistry
Dr. Anupam Chattopadhyay	Geology
Prof. GVR Prasad	Geology
Dr. Vimal Singh	Geology
Prof. M. Jayananda	Geology
Dr. K.N. Saraswathy	Anthropology
Dr. Dileep Kumar Singh	Zoology
Dr. S.A. Hashmi	Physics & Astrophysics
Prof. Umesh Rai	Zoology
Dr. Subha Mazhumdar	Chemistry
Dr. Akhilesh K. Verma	Chemistry
Dr. N.C. Pant	Geology
Dr. K.N. Saraswathy	Anthropology
Dr. Indrajit Roy	Chemistry
Dr. Veena Aggarwal	Botany
Dr. Rupam Kapoor	Anthropology
Shri C.S. Dubey	Geology
Dr. Tarkeshwar Gupta	Chemistry
Dr. Rajesh Tandon	Botany
Dr. Gautam Kshatriya	Anthropology
Prof. Vinay Gupta	Physics & Astrophysics
Dr. Vikrant Jain	Geology
Prof. S.C. Bhatla	Botany
Prof. Poonam Batra	Education
Prof. Navnita Chadha Behera	Political Science
Dr. R.P. Mitra	Anthropology
Prof. Vinod Kumar	Zoology
Dr. Nivedita Deo	Physics & Astrophysics
Prof. T.R. Sheshadri	Zoology
Prof. Sunil K. Sharma	Chemistry
Prof. S.D. Biju	GEMDE
Dr. J.P. Shrivastava	Geology
Dr. M. Sathiyendiran	Chemistry
Dr. Akhilesh K. Verma	Chemistry
Dr. Suresh Kumar	Physics & Astrophysics
Dr. Raj Kishore Sharma	Chemistry

Prof. V.R. Rao	Anthropology
Dr. Sandip Das	Botany
Dr. Ashish Kr. Saha	Geography
Dr. Nilanjana Ghosh	Geology
Dr. Shilpi Saxena	Geology
Prof. T. Satyanarayana	Microbiology
Prof. Girdhar K. Pandey	Plant Molecular Biology
Prof. A. Venkat Raman	Faculty of Management Studies
Prof. Anil K. Tyagi	Biochemistry
Prof. Deepak Pental	Genetics
Prof. P.C. Ghosh	Biochemistry
Prof. Sanjay Kapoor	Plant Molecular Biology
Prof. Saurabh Raghuvanshi	Plant Molecular Biology
Prof. Arun K. Sharma	Plant Molecular Biology
Prof. Jagreet Kaur	Genetics
Prof. Rani Gupta	Microbiology
Prof. J.P. Khurana	Plant Molecular Biology
Prof. M.V. Rajam	Genetics
Prof. Alok Nag	Biochemistry
Prof. Suneel Kateriya	Biochemistry
Prof. Paramjit Khurana	Plant Molecular Biology
Prof. B.K. Thelma	Genetics
Prof. Bhupinder Dhir	Genetics
Prof. S. Srivastava	Genetics
Prof. R.K. Saxena	Microbiology
Prof. Amita Gupta	Microbiology
Prof. R.C. Kuhad	Microbiology
Prof. P.K. Bhatnagar	Electronic Science
Prof. D.P. Sarkar	Biochemistry
Prof. Sushmita Maitra Majee	Plant Molecular Biology
Prof. Rajeev Kaul	Microbiology

In addition to these projects, as many as 35 projects with a total grant of ₹1.84 crore have been sanctioned to the faculty members of various departments of the University by various funding agencies.

### **Infrastructure**

#### *Work*

Since the position of infrastructure for the academic endeavor is critical, the University has been striving hard to resolve the problem of shortage of space by taking up new construction work. The following construction works that have been completed at North Campus are:

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

2-storied Vertical extension of Dr. B.R. Ambedkar Centre.

The following construction works that have been completed at South Campus:

Utility Centre.

Vertical extension of Animal House.

The construction work that is in progress at South Campus.

Residential housing for 24 apartments at South Campus.

### **Agreements and MoUs**

In the pursuit to enrich its academic inputs and experiences, the University of Delhi has maintained its tradition of entering into the academic collaboration with premier institutions by 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:

- (i) Korea National University of Arts, Seoul, Korea
- (ii) University of Wales, Newport, UK
- (iii) Fudan University, China (U-21)
- (iv) The Georg-August-Universität Göttingen, Germany
- (v) Alabama State University, USA
- (vi) University of Rhode Island, USA
- (vii) University of Melbourne, Australia (U21)
- (viii) International Award for Young People (IAYP), UK
- (ix) The National Board for Higher Education, Asmara, Eritrea
- (x) University of Edinburgh, UK (U21)
- (xi) The University of Koblenz – Landau, Germany

### **Symposia/Seminars/Conventions/Lectures/Conferences/Workshop**

As a part of the academic activities, several Conferences/Workshops/ Conventions/ Seminars/Lectures were organised during the period under report. In the University lecture series, the renowned academicians and eminent scholars who spoke at the University include:

#### *University Lecture Series*

Lecture on '*Indo-Aryan Indegenish in the Rig Veda*' by Professor No. Kazanas (Greece) on 13 April 2010.

Lecture on '*No University without Diversity: Education Rights of Persons with Disabilities*' by Professor Amita Dhanda (Nalsar University of Law, Hyderabad) on 26 April 2010.

Prof. D.S. Kothari Memorial Lecture on '*Ethics for the New Millennium*' by His Holiness the Dalai Lama on 10 August 2010.

Lecture on *'Debating Democracy from Rammohan Roy to Jayaprakash Narayan and Beyond'* by Dr. Ramachandra Guha, Historian and Columnist on 26 October 2010.

Lecture on *'The Politics of Nature: East-West Perspectives'* by Professor Bruno Latour (Distinguished Visitor, European Studies Programme) on 6 January 2011.

Lecture on *'The Chandra X-ray Observatory'* by Dr. Giuseppina Fabbiano, Harvard Smithsonian Centre for Astrophysics, USA on 11 January 2011.

Lecture on 'Parliamentary Reform' by Rt. Hon'ble John Bercow, MP, Speaker of the House of Commons, U.K. Parliament on 19 August 2011.

An International Conference on *'New ways of analyzing language variation and change'* (NWAV ASIA-PACIFIC I), organized by the Department of Linguistics on 23-26 Feb. 2011.

An International Seminar on *'Aesthetical Approach to Musical Forms: An Analytical View'*, organized by the Department of Music on 15-16 March 2011.

An International Conference on *'Social Conflict'*, organized by the Department of Economics on 9-10 April 2011.

A National Workshop on *'Colonialism, Post-Colonialism and Literature'*, organized by Department of Punjabi on 30-31 March 2010.

A National Seminar on *'Ranganathan's Vision for Academic Libraries'*, organized by Department of Library & Information Science on 12 August 2010.

A National Conference on 'Hands on workshop on diagnosis of Hemolytic Anaemias', organized by Department of Pathology, UCMS on 19 November 2010.

First Golden Jubilee National Seminar on *'Understanding Indian Literature'*, organized by the Department of Modern Indian Languages and Literary Studies on 22-24 November 2010.

A National Workshop on *'Differential Equations, Computing and Modeling'*, organized by Department of Mathematics on 20-24 December 2010.

A National Conference on *'Individual and Collective Transformation: Insights from Indian Psychology'*, organized by Department of Psychology on 5-7 February 2011.

Second Golden Jubilee National Seminar on *'Glimpses of Land and Landscape in Indian Literature'*, organized by the Department of Modern Indian Languages and Literary Studies on 7-9 March 2011.

A National Seminar on *'Linguistics in the New Millennium'*, organized by Department of Linguistics on 11 March 2011.

The Annual National Seminar and a Lecture on *'Prof. Khursheed Ahmed Fariq Under Annual Lecture Series'* was organized by Department of Arabic on 22-23 March 2011.

A National Workshop on *'Punjabi Culture and Medi: Inter-Dialogue'* organized by Department of Punjabi on 30-31 March 2011.

A National Seminar on *'Capacity and Life Skills Buildings'*, organized by Department of Adult Continuing Education and Extension on 28-29 April 2011.



## **Awards/Honours**

The Faculty members of the University continue to receive the recognition during the period under report. Some of these are:

**Prof. Nandini Sundar:** Department of Sociology was awarded 'Infosys Award for Social Sciences-Social Anthropology' of Infosys Science Foundation by the Prime Minister of India in January 2011.

**Prof. K.T.S. Sarao:** Department of Buddhist Studies has been conferred the Degree of Doctors of Letters (Honoris causa) in a Special Congregation of Preah Sihanouk Raj Buddhist University Cambodia on 7 March 2011.

**Dr. Pratibha Jolly:** Principal, Miranda House was awarded the 10<sup>th</sup> GRS Women Award in the Category of Education by the Indian Television Academy on 7 February 2011 and she also enrolled as a member of the National Academy of Sciences, India.

**Prof. B.K. Dass:** Department of Mathematics has been elected as President of Academy of Discrete Mathematics and Applications.

**Dr. Tanvi Jain:** Selected as an associate in the Academy of Sciences in May 2010.

**Prof. K.V. Bhanu Murthy:** Awarded 'Dewang Mehta Business School Award' for Outstanding Contribution to Education on 24 November 2010.

**Prof. P.K. Kapur:** Conferred Life time achievement Award for exceptional, dedicated and pioneering research contribution in the area of software reliability by Society for Reliability and Safety, Mumbai, 2010 and also honoured by Lingaya's University for his seminal contributions as an author and researcher in Software Reliability.

**Prof. Rehana Khatoon:** Awarded Presidential Award of Certificate of Honour for Persian Studies 2009 but conferred in 2010. She also received Abu Raihan-Al-Beruni Award 2011.

**Prof. Sreemati Chakrabarti:** Awarded India-China Friendship Award by Chinese Premier Wen Jiabao on 15 December 2010.

**Prof. Rohini Somanathan:** Selected for Leon Levy Foundation Membership at the Institute for Advanced Study, Princeton, 2010-11.

**Dr. Ram Singh:** Selected for Erasmus Mundus Scholarship in Economics for 2010 and has also been selected as Visiting associate Professor at the Institute of Law and Economics, University of Hamburg, Hamburg, Germany during January-April 2011.

**Dr. A.K. Saxena:** Department of Anaesthesiology, UCMS has been awarded 'Distinguished Service Award' by Geriatric Society of India on the occasion of 7<sup>th</sup> International Conference, 2010.

**Dr. S.B Sharma:** Department of Bio-Chemistry, UCMS has been awarded 'Kurup Oration Award' in 23<sup>rd</sup> Annual Conference of Indian Society for Atherosclerosis Research & International Symposium on Atherosclerosis forth Bench to Beside on November 2010.

**Dr. A.K. Sharma:** Department of Community Medicine, UCMS has been selected for 'Penn Rockefeller Scholarship' University of Pennsylvania, USA in April, 2010.

**Dr. Archana Singal:** Department of Dermatology, UCMS has been awarded Dr. Sardari Lal Memorial Award for Excellence in Dermatology in October 2010.

**Dr. S.V. Madhu:** Department of Dermatology, UCMS has been awarded State Award by the Govt. of NCT of Delhi on 7 April 2010.

**Dr. O.P. Kalra:** Department of Dermatology, UCMS has been selected for Fellowship of National Academy of Medical Science, India.

**Dr. S. Dheeraj:** Department of Pediatrics, UCMS has been selected for Fellowship of Indian Academy of Padiatrics (FIAP) in January 2011.

**Dr. A. Dixit:** Department of Physiology, UCMS has been selected for membership of National Academy of Medical Sciences in August, 2010.

**Dr. S.K. Bhargava:** Department of Radiology, has been awarded Dr. Satya Pal Aggarwal Memorial Oration National Award 2010 by Indian Medical Association in December, 2010.

**Prof. J.P. Khurana:** Elected Secretary, Plant Tissue Culture Association, India, April 2010 onwards.

**Prof. P. Khurana:** Elected Fellow of Indian National Science Academy, New Delhi, India.

**Dr. Yogender Pal Khasa:** Awarded Young Scientist Award in 'Molecular Microbiology' by Association of Microbiologists of India in Annual Meeting at Ranchi, 14-17 December 2010.

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

**Prof. D.P. Sarkar:** Awarded the prestigious 'National J.C. Bose Fellowship'.

**Prof. V.K. Chaudhary:** Awarded 'Professor B.K. Bachawat Memorial Lecture award' of National Academy of Sciences, India.

**Dr. Suman Kundu:** Received 'Indo-US Research Fellowship 2010' from Indo-US Science and Technology Forum.

**Dr. Suneel Kateriya:** Awarded 'Young Scientist Award of Indian Science Congress in New Biology-Section for 2009-10 and also awarded 'Ratna Phadke Award' for young Scientist for 2010 from Indian Biophysical Society.

## OFFICERS OF THE UNIVERSITY

### **Chancellor**

Hon'ble Mohd. Hamid Ansari

### **Pro-Chancellor**

Justice K.G. Balakrishnan (upto 11.05.2010)  
Justice S.H. Kapadia (w.e.f. 12.05.2010)

### **Vice-Chancellor**

Professor Deepak Pental (upto 29.10.2010)  
Professor Dinesh Singh (w.e.f. 29.10.2010)

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

Professor S.K. Tandon (upto 22.08.2010)  
Professor Vivek Suneja (w.e.f. 07.12.2010)

### **Dean of Colleges**

Professor (Ms.) Nayanjot Lahiri (upto 07.12.2010)  
Professor Sudhish Pachauri (w.e.f. 07.12.2010)

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

Professor Dinesh Singh (upto 28.10.2010)  
Professor Umesh Rai (w.e.f. 07.12.2010)

### **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	(upto 05.07.2010)
	Professor H.S. Prasad	(w.e.f. 06.07.2010)
Science	Professor Rup Lal	(upto 08.06.2010)
	Professor (Ms.) I. Usha Rao	(w.e.f. 09.06.2010)

Social Sciences	Professor Rajni Palriwala Professor (Ms.) Nandini Sundar	(upto 22.07.2010) (w.e.f. 23.07.2010)
Law	Professor S.N. Singh Professor Gurdip Singh	(upto 30.06.2010) (w.e.f. 01.07.2010)
Management Studies	Professor K. Mamkootam	
Mathematical Sciences	Professor P.K. Kapur Professor Bal Kishan Das	(upto 03.08.2010) (w.e.f. 04.08.2010)
Medical Sciences	Professor (Ms.) Kiran Mishra Professor (Ms.) Jolly Rohtagi	(upto 19.10.2010) (w.e.f. 20.10.2010)
Music & Fine Arts	Professor (Ms.) Anjali Mittal Professor (Ms.) Anupam Mahajan	(upto 08.07.2010) (w.e.f. 09.07.2010)
Technology	Professor Ashutosh Trivedi	
Ayurvedic and Unani	Dr. Abdul Hafeez Dr. (Ms.) Nuzhat Ishtiaq	(upto 14.09.2010) (w.e.f. 15.09.2010)
Education	Professor Anita Ramphal	
Inter-Disciplinary and Applied Sciences	Professor Avinashi Kapoor	
Applied Social Sciences and Humanities	Professor Rashmi Aggarwal	
Commerce & Business	Professor Sanjay Sehgal Professor I.M. Pandey	(upto 08.07.2010) (w.e.f. 09.07.2010)

***Proctor***

Professor Gurmeet Singh Professor Harinder Pal Singh	(upto 07.12.2010) (w.e.f. 07.12.2010)
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## **CONVOCATION**

The University organized a Special Convocation on 4 November, 2010 for conferment of Honorary Degree of Doctor of Letters (D.Litt.) to Dr. Bingu Wa Mutharika, the President of the Republic of Malawi. Shri Mohd. Hamid Ansari, the Chancellor of the University, presided over the Convocation.

The University organized its 88 Annual Convocation on 26 February, 2011 in which 67,153 candidates were admitted to the convocation and were awarded degrees for various courses. In addition to this, 406 candidates for Ph.D., D.M. and M.Ch. courses were admitted to the Convocation and were awarded degrees. Prof. Dinesh Singh, Vice-Chancellor of the University presided over the Convocation and Sh. Kapil Sibal, Minister of Human Resource Development, delivered the Convocation Address.

## **STUDENT ENROLMENT**

The total numbers of students enrolled in the University during the academic year 2010-11 was 4,02,365. Of these, 1,45,502 students were enrolled in the Colleges, 16,371 in the University Departments, 2,28,966 in the School of Open Learning, 11,526 in the Non-Collegiate Women's Education Board.

## **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 22963 and 3441, respectively. Out of 22107 SC students, 539 in Engineering & Technology, 536 in Medicine, 29 in Ayurvedic & Unani, 93 in Homeopathic, 59 in Nursing, 26 in Pharmacy, 747 in Law, 133 in Management, 17 in Computer Science, 16 in Library Science, 106 in Fine Arts, 272 in Education, 5072 in Commerce, 9031 in Arts Course, 2973 in Science Course, 59 in M.Phil. Course, 253 in Ph.D. Programme and 387 in various Certificate and Diploma Programme were enrolled in the various Colleges and Department of the University Similarly, out of 3441 ST Students, 257 in Engineering & Technology, 212 in Medicine, 9 in Ayurvedic & Unani, 21 in Homeopathic, 27 in Nursing, 4 in Pharmacy, 380 in Law, 44 in Management, 5 in Computer Science, 8 in Library Science, 42 in Fine Arts, 99 in Education, 942 in Commerce, 3376 in Arts Course, 945 in Science Course, 36 in M.Phil. Course, 66 in Ph.D. Programme, 55 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.

## IN MEMORIAM

**Hon'ble Bhairon Singh Shekhawat**  
**(23-10-1923 – 15-05-2010)**

Sh. Bhairon Singh Shekhawat was born in an obscure village in Sikar district of Rajasthan. He completed High School, but was unable to complete College due to his father's untimely death. He worked as farmer and Sub Inspector of Police.

Sh. Bhairon Singh Shekhawat joined politics in 1952 and was elected as member of Rajasthan Legislative Assembly from 1952 to 1972. He was Member of Rajya Sabha from 1974 to 1977. He was Chief Minister of Rajasthan from 22 June 1977 to 15 February 1980; from 4 March 1990 to 15 December 1992 and from 4 December 1993 to 1 December 1998. During his chief ministerial stints, he took several steps to draw Muslims towards his party. He was the first Chief Minister to set up a State Waqf Authority. He got the Dargah of Khwaja Moinuddin Chisti at Ajmer renovated at considerable government costs, and established the Rajasthan State Urdu Academy. He was elected as the Vice-President of India. In Vice-President's capacity, he was the Chancellor of the University from 19 August 2002 to 21 July 2007.

**Prof. K.N. Raj**  
**(13-05-1924)**

Prof. K.N. Raj was born at Eranjippalam near Kozhikode. He graduated from the University of Madras in 1944 and did his Ph.D. in 1947. Prof. K.N. Raj headed the Delhi School of Economics at the time, when his colleagues were Amartya Sen, I.G. Patel, Manmohan Singh, Jagdish Bhagwati and a legion of distinguished economists and social scientists. He was a veteran economist in the Planning Commission. Prof. Raj was an advisor to several Prime Ministers ranging from Jawaharlal Nehru to P.V. Narasimha Rao. He was Professor of Economics and was Vice-Chancellor of Delhi University from October 1969 to December 1970. He was awarded the Padma Vibhushan in 2000.

**Prof. Ashok Kumar Seth**  
**(30-11-1945)**

Prof. Ashok Kumar Seth did his graduation in 1967, M.A. in Maths and Economics in 1971 and 1973 respectively. He did his Ph.D. in 1991 from Delhi University.

He started his teaching career as a Lecturer in Swami Shraddhanand College from July 1973 to 21 March 2000 and joined the Delhi University as Professor on 22 March 2000. Prof. Seth was appointed as Professor and Director at the Delhi Institute of Advanced Studies affiliated to Guru Gobind Singh Indraprastha University.

Prof. Seth was a devoted researcher and created a specialized school in the Department that excelled in Statistics processes. He guided many research students for Ph.D. work and had impressive list of publications to his credit. He has authored more than 50 research papers covering areas of Economics, Finance and International Finance.

**Prof. Amrik Singh**  
**(20-09-1920 - 23.03.2010)**

Prof. Amrik Singh born at Abbotabad, (Pakistan). He did B.A. from Khalsa College, Amritsar in 1942, Masters from Government College, Lahore and Ph.D. from London in 1957 and became an English teacher. After partition, he taught for some time in Shimla and then joined Khalsa College in University of Delhi in 1951. Prof. Amrik Singh was also Director, South Campus, University of Delhi from 1973 to 1975. Prof. Amrik Singh also worked as the Vice-Chancellor of Punjabi University, Patiala in 1977.

**Prof. B.S. Yadav**  
**(30-07-1931 - 24.02.2010)**

Prof. B.S. Yadav completed B.Sc. in 1953 and M.Sc. in 1957 from Aligarh Muslim University. He completed his Ph.D. in 1965 from M.S. University, Baroda. He joined as a Reader in Mathematics in University of Delhi in 1970 and was promoted as Professor in May 1976.

Prof. Yadav served as Head of the Department of Mathematics from August 1979 to August 1982 and again from 1985 to 1988. He was Dean, Faculty of Mathematical Science from 1979 to 1981. He was also the member of Executive Council of the University from 1980 to 1981. He has a number of research publications to his credit and supervised many Ph.D. thesis. He was Fellow of various reputed academic bodies. He was visiting Professor at several Universities in Canada, USA, Czechoslovakia and China.

**Prof. D.P. Goyal**

Born on March 1941. Prof. D.P. Goyal completed his Bachelor's Degree in 1956 and completed his Master's Degree from Delhi University in 1958. He obtained his Ph.D. in 1964 and joined as Lecturer in the Department of Physics & Astrophysics, University of Delhi on 1970. He was promoted as Reader in 1972 and as Professor in 1983. Prof. Goyal was appointed as Head, Department of Physics & Astrophysics from 1995 to 1998 and also as the Chairman, Standing Committee (Students).

Prof. D.P. Goyal published more than 100 research papers and books. He also organized number of Conferences and Symposia.

**Prof. G.P. Srivastava**

Prof. G.P. Srivastava was born on 16 June 1933 in Dayal Bagh, Agra (Uttar Pradesh). He completed his B.Sc. in 1952 and M.Sc. in 1954 from Allahabad University. Prof. Srivastava did his Ph.D. in 1957 from Allahabad University. He joined Department of Electronic Science, Delhi University as Reader in 1965 and was promoted as Professor in 1985. He was the Head of the Department of Electronic Science from 9 March 1985 to 8 March 1988 and 4 October 1992 to 15 June 1993. He was also the member on the University Court from 1985 to 1993.



### **Prof. K.G. Mukerji**

Prof. K.G. Mukerji was born on 4 May 1934 at Lucknow. He completed B.Sc., M.Sc. and Ph.D. from Lucknow University. He served as Lecturer, Research Assistant and Research Training scholar from 1957-1962 at various Universities in Agra, Lucknow and Banaras. He joined Department of Botany as Lecturer on 15 November 1964, became Reader on 18 April 1969 and Professor in December 1983. He was the Head of the Department of Botany during 1985-1988.

Prof. Mukerji had published more than 450 research papers and more than 50 books. He had attended and organized many International, National conferences and Symposia and delivered several key note addresses and invited lectures.

### **Prof. K.K. Gupta**

Prof. K.K. Gupta was born on March, 1942. He completed his B.Sc. (Hons.) Physics in 1964 and completed his M.Sc. (Physics) from Delhi University in 1966. He completed his M.Sc. (Tec.) Electronic in 1968 from Birla Institute of Technology and Science, Pilani, Rajasthan. Prof. Gupta obtained his Ph.D. in 1982. He joined University as Reader in 1985 and promoted as Professor in 1995. He served as the Head of the Department of Electronic Science from 22 July 1997 to 21 July 2000. He was the member of the University Court from 1995 to 2004.

### **Dr. L.W. Dhume**

Dr. L.W. Dhume was born on 1908 in Maharashtrian family. Her academic career began with a first class in the Bachelors and Masters degree examinations. She was among the first Indian women to be admitted to the University of Cambridge as a student of Girton College. She joined as Professor of English in the S.P. College at Poona in 1935. Later, Dr. Dhume was recruited into the Bombay Education Services. In 1950, she was appointed by the Government of Bombay as the Registrar of the SNDT Women's University. She also served in various administrative capacities in the Ministries of Home Affairs, Steel & Mines and Education. She was appointed as a member on the Governing bodies of the Lady Shri Ram College as well as Miranda House.

### **Prof. Pramod Kumar Verma**

Prof. Pramod Kumar Verma was born on November, 1944. He did M.Sc. (Geology) in 1964 from Banaras Hindu University and Ph.D. in 1973 from Harvard University. He began his professional career as Lecturer and became Reader in 1983 in Delhi University. He was promoted as Professor in 1993. He was appointed the Head of the Department of Geology from 9 August 2004 to 10 August, 2006. He was also the member on the University Court from 1993 to 2006.

Prof. Pramod Kumar organized first school in 1993 on 'Databases, Numerical methods and computer modeling in research programmes in the area of petrology' with support from SERC division of the DST. He has a number of research publications to his credit and wrote a book 'Optical Mineralogy' published by Ane Books Private Limited.

### **Prof. S.A.H. Abidi**

Prof. S.A.H. Abidi was born on 1921 in Ghazipur in a Syed Gharana. He completed his education from Shia College, Lucknow and St. John's College, Agra. He did short term Diploma courses in Pahlavi, Avesta, Old Persian and Modern Persian from Tehran, Iran in 1957. He was appointed as Lecturer in Persian at St. Stephen's College in 1945. In 1957, he was appointed as Lecturer in the Department of Persian, University of Delhi. He became Professor in 1969. He was appointed as Dean, Faculty of Arts from 1973 to 1986. He received many prestigious awards like Padma Shri Award, President Award, Delhi Sahitya Kala Parishad Award, Fakhruddin Ali Ahmad Ghalib Award, Mir Academy Award, Delhi Urdu Academy Award and many others.

Prof. Abidi guided many research students and delivered several lectures at various Universities of the country and abroad.

### **Prof. Suresh D. Tendulkar**

Prof. Suresh D. Tendulkar was born on 1939 in Kolhapur, Maharashtra. He completed his schooling at Perugate Bhave School in Pune and completed his Bachelor's Degree in Commerce from B.M. College of Commerce, University of Pune in 1960. He did his Master's in Economic Statistics from Delhi School of Economics in 1962. In 1968, Suresh Tendulkar obtained his Ph.D. in Economics from Harvard University. Prof. Tendulkar joined the Department of Economics as Professor in August 1978. He served as the Head of the Department of Economics from February 1986 to March 1989 and as Director, Delhi School of Economics from September 1995 to September 1998. He was also appointed as Economic Advisor to Prime Minister.

### **Prof. Sutinder Singh Noor**

Prof. Sutinder Singh Noor was born on October 1940 at Kotkapur, Punjab. He completed his Bachelor's Degree from Punjab University in 1963. He did his Post Graduation in Punjabi and English literature from Punjab University in 1968. Prof. Noor obtained his Ph.D. in 1978. He joined as Lecturer in the Department of Punjabi in 1973. He was promoted as Reader in 1983 and as Professor in 1993. He was appointed Head of the Department of Punjabi from 1991 to 1994.

Prof. Sutinder Singh supervised about 30 Ph.D. scholars of the Department in completing their research work. He authored a number of books and research papers on Punjabi language, literature and culture. He also participated in number of national and international seminars and conferences.

### **Prof. Udaybhanu Singh**

Prof. Udaybhanu Singh was born on February 1917 at Azamgarh, Uttar Pradesh. He completed his higher education in Jaunpur, Mumbai, Agra and Lucknow. He did his Master's Degree in Sanskrit from Lucknow University and in Hindi from Banaras Hindu University. Prof. Udaybhanu Singh obtained his Ph.D. in 1947 and D.Litt. in 1959. He joined as Lecturer in the Department of Hindi, University of Delhi in 1953 and became Reader in 1970 and Professor in 1973. Prof. Singh was appointed as Head, Department of Hindi from 1977 to 1980 in Delhi University. He was the member of University Court from 1973 to 1982.

Prof. Udaybhanu Singh published more than 100 research papers and books. He was honoured and awarded by UP. Government and Hindi Academy, Delhi.

### **Prof. Vidya Prakash Dutt**

Prof. V.P. Dutt was born on 25 June 1925. He completed his B.A. in 1944 from Punjab University, M.A. in 1949 from Stanford University and Ph.D. in Chinese Studies from Delhi University in 1962. He joined as Professor in Department of Chinese and Japanese Studies in 1966. He was appointed as Pro-Vice-Chancellor of this University from 1971 to 1975. He was the Head of the Department of Chinese and Japanese Studies from 11 May 1978 to 10 May 1981. He was also the member on the University Court from 1966 to 1985.

### **Prof. Vachaspati Upadhyaya**

Prof. Vachaspati Upadhyaya was born on 1 July 1943 at Sultanpur (Uttar Pradesh). He did his M.A. and Ph.D. degree from Calcutta University. He also did D.Litt from Sanskrit University, Varanasi and joined the Sanskrit University, Varanasi in 1967 as Controller of Examinations and became Registrar in 1968. He joined the University of Delhi as Lecturer in 1970 and was promoted as Reader in 1980 and Professor in 1984. He was Head of the Department of Sanskrit from 1992 to 1994. Prof. Vachaspati was appointed as Vice-Chancellor of Shri Lal Bahadur Shastri Sanskrit Vidyapeeth in 1994. He was the visiting Professor at various Universities and was awarded the President's Certificate of Honour on the occasion of Independence Day in 2001. He was also conferred the title of Mahamahopadhyay (Honoris Causa) by Banara Hindu University, Varanasi and Shri Sitaramdass Omkarnath Sanskrit Shiksha Sansad, Calcutta. He was also the recipient of numerous awards including Acharya Uma Swami Puraskar from Kundakunda Bharti for the propagation and development of Prakrit languages. The Maharashtra Government awarded him 'Maharashtra Rajya Mahakavi Kalidas Sanskrit Sadhna Puraskar.

### **Prof. R.S. Sharma**

Prof. R.S. Sharma was born on 1 September 1920 at Barauni, (Bihar). He completed his M.A. from Patna University in 1943 and Ph.D. from London University in 1956. He joined as Professor in the Department of History, University of Delhi in 1973.

Prof. Sharma has a number of publications to his credit. He was the Visiting Professor at the Centre of Advanced Study in Ancient History, Calcutta University in 1965 and at Toronto University in 1969. He was awarded Jawaharlal Nehru Fellowship in 1969 and was appointed General President of the Indian History Congress for 1975.

**UNIVERSITY FINANCE**  
**Annual Accounts for the year 2010-11.**

**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 2011.**  
**CAPITAL FUND AND LIABILITIES**

	Schedule No.	Current Year	Amount in ₹ Previous Year
Capital Fund	1	5367398505	1706100323
Reserves and Surplus	-		
Earmarked/Endowment Fund	2	8005335505	8974710995
Secured Loans and borrowings	-		
Unsecured Loan and borrowings	-		
Deferred Credit Liabilities	-		
Current Liabilities and Provisions	3	64337569	256361535
<b>Total</b>		<b>13437071579</b>	<b>10937172853</b>

**ASSETS**

Fixed Assets	4	5052968434	1445238733
Investment - From Earmarked/ Endowment Funds	5	421106500	343252500
Investment - Others	-		
Current Assets, Loan, Advances etc.	6	7962996645	9148681620
Miscellaneous Expenditure (to the extent not written off or adjusted)			
<b>Total</b>		<b>13437071579</b>	<b>10937172853</b>

Significant Accounting Policies	15
Contingent Liabilities and Notes on Accounts	16

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON 31 MARCH 2011.**

Particulars	Schedule No.	Current Year	Amount in ₹ Previous Year
<b>(A) INCOME</b>			
Grants/Subsidies	7	3056754000	2773101342
Fees/Subscriptions	8	590208238	378935780
Income from Royalty, Pub. etc.	9	9126926	6870161
Interest Earned	10	8040312	2024233
Other Income	11	40889960	26244934
<b>Total (A)</b>		<b>3705019436</b>	<b>3187176450</b>

**(B) EXPENDITURE**

Establishment Expenses	12	2681978028	2395552707
Other Administrative Expenses	13	773747442	627777662
Expenditure on Grants, Subsidies etc.	14	78558628	69842988
Depreciation		372585429	346164340

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<b>Total (B)</b>		<b>3906869527</b>	<b>3439337697</b>
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Excess of Income over Expenditure/ Expenditure over Income		201850091	252161247
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<b>Balance being Deficit carried to Capital Fund</b>		<b>201850091</b>	<b>252161247</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 2011.**

<b>Receipts</b>	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>I. Opening Balances</b>		
Bank Balance		
(i) Current Account	289738466	68132409
(ii) Savings Accounts	2886072171	2187034355
(iii) Deposit accounts	1673470877	3086825765
<b>II. Grants Received</b>		
Form UGC	2878732000	2773101342
Advance from UGC	-----	178022000
<b>III. Interest Received from Investment</b>		
	8040312	2024233
<b>IV Other Income</b>		
Fees and Subscriptions	590208238	378935780
Sale of Publications	9126926	6870161
Income from Building, lands, etc.	6795375	3724505
Miscellaneous	27929589	17413471
Sale of Fixed Assets	6164996	5106958

**VI. Any other receipts**

Advances	15885511	-----
Other Receipt from Earmarked funds	4663326567	6083702751
Other receipts	360438	1871592
Deductions	331709461	344417424
Other body transaction	39473515	34139561
LTC advance	9944369	6407169
Medical Advance	2537781	2937000
Festival Advance	1107250	657750
<b>Total</b>	<b>13440623842</b>	<b>15181324226</b>

**RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31 MARCH 2011.**

<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	2681978028	2331713117
<b>(b) Administrative Expenses</b>		
Administrative expenses	761312154	677165704
Grants & subsidies	78558628	69842988
<b>II. Payments against earmarked funds</b>	2465582442	4825668078
<b>III. Investments and deposits made</b>	77854000	60845000
<b>IV. Expenditure on Fixed Assets</b>		
Purchase of Fixed Assets (Net of Auction amount)	113039115	98655596
<b>V. Finance Charges</b>	79273	300286
<b>VI. Other Payments</b>		
Advances out of earmarked fund	---	1844971995
Other body transaction	31062937	66896764
Festival Advance	1317300	1106400
Advances	---	22371717
Permanent Advance	92600	---
Medical Advance	2018181	2518600
LTC Advance	9010166	7209254
Remittances	355456468	322777213



## VII. Closing Balances

### (ii) Bank Balance

(a) Current Accounts	184429464	289738466
(b) Savings Accounts	4953281007	2886072171
(c) Deposit Accounts	1725552079	1673470877
<b>Total</b>	<b>13440623842</b>	<b>15181324226</b>

### SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31 MARCH 2011.

<b>Schedule 1: Capital Fund</b>	<b>Current Year</b>	<b>Amount in ₹</b>	
		<b>Previous Year</b>	
<b>Balance at the beginning of the year</b>	1706100323	1352806812	
<i>Add : Fixed Assets purchased out of Earmarked Funds</i>			
(a) Plan Account	1009585427	410958997	
(b) Miscellaneous Account	36977609	3213766	
(c) Other Earmarked Fund	2899286471	161675445	
(d) Admission Processing charges	1703934	1809515	
(e) Assets not capitalised in previous year	1035750	954662	
(f) Project Account	8739949	2668766	
(g) Adjustment relating to previous year	—	19500000	
(h) Gifted Assets	<u>1052</u>	3864224546	<u>596</u> 606852930
<i>Less :</i>			
(a) WDV of assets disposed off during the year	(561934)	(1260234)	
(b) Adjustment relating to previous year	(514339)	(137938)	
(c) Deficit for the year as per Income & Expenditure Account	<u>(201850091)</u>	(202926364)	<u>(252161247)</u> (253559419)
<b>Balance as at the year end</b>	<b>5367398505</b>	<b>1706100323</b>	

## SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-3-2011

### Schedule 2 : Earmarked/Endowment Fund

Amount in ₹

	Plan Account	Misc Account	Publication	Endowment Fund	Fellowship/Scholarship	Research Project	Admission Processing	Other Earmarked	Total for 2010-11
(a) Opening Balance of the funds	2892477819	247186539	3407971	331132096	127228494	660402660	109187910	4603687506	8974710995
(b) Additions to the Fund:									
Income from investment made of the funds	736594	3488225	121215	23806649	1074830	2733526	---	63318377	95279416
Accrued interest on investment	4151126	3309418	4123	1471756	---	10969323	2316953	40485722	62708421
Other additions	2965009331	72275189	510435	16091999	221832793	563876053	78583139	594714756	4512893695
<b>Total (a+b)</b>	<b>5862374870</b>	<b>326259371</b>	<b>4043744</b>	<b>372502500</b>	<b>350136117</b>	<b>1237981562</b>	<b>190088002</b>	<b>5302206361</b>	<b>13645592527</b>
(c) Utilisation/Expenditure towards objective of funds									
(i) Capital Expenditure (Fixed Assets)	1009585427	36977609	---	---	---	188450403	1703934	2809286471	4046003844
(ii) Revenue Expenditure	506992853	734881252	470908	17405712	189690760	384651827	109309640	312250226	1594253178
<b>Total (c)</b>	<b>1516578280</b>	<b>110458861</b>	<b>470908</b>	<b>17405712</b>	<b>189690760</b>	<b>573102230</b>	<b>11013574</b>	<b>3121536697</b>	<b>5640257022</b>
<b>Closing balance at the year end (a+b-c)</b>	<b>4345796590</b>	<b>215800510</b>	<b>3572836</b>	<b>355096788</b>	<b>160445357</b>	<b>664879332</b>	<b>79074428</b>	<b>2180669664</b>	<b>8005335505</b>
<b>Closing balance represented by</b>									
Loan and Advances	842204120	6217505	---	---	---	---	---	61128663	909550288
LC Margin	74056726	---	---	---	---	---	---	---	74056726
<b>Balance in Bank</b>									
Saving account	3276875972	64957063	3216728	31947704	160445357	457715968	47867215	721110505	4764136512
Current account	80413679	28545210	---	---	---	---	---	---	108958889
Fixed Deposit	67356564	86157034	40000	23670000	---	191910492	20321730	1258872762	1648328582
Govt. Securities	---	26000000	305000	295615000	---	---	5200000	9382600	420946000
Shares	---	---	---	160500	---	---	---	---	160500
Interest accrued but not due	4889529	3923698	11108	3703584	---	15252872	5685483	45731734	79198008
<b>Total</b>	<b>4345796590</b>	<b>215800510</b>	<b>3572836</b>	<b>355096788</b>	<b>160445357</b>	<b>664879332</b>	<b>79074428</b>	<b>2180669664</b>	<b>8005335505</b>
<b>Net closing Balance Previous years (2009-10)</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>

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31 MARCH 2011.**

<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	17926967	19651315
2. Statutory Liabilities : TDS payable	794429	24943638
3. Other current Liabilities (Sundries)		
Security (Receipt)	254448	256530
Amount Refundable to UGC	10614001	10251481
Expense payable	10436907	7734577
Other bodies Deposits	2112554	1714309
Other funds	22198263	13787685
Grants received in Advance from UGC	----	178022000
<b>Total (A)</b>	<b>64337569</b>	<b>256361535</b>
<b>B. Provisions</b>		
<b>Total (B)</b>	---	---
<b>Total (A+B)</b>	<b>64337569</b>	<b>256361535</b>

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-3-2011**

**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 31-3-2011	W.D.V. as at 31-3-2010
1.	Land	19716892	-----	-----	19716892	-----	-----	19716892	19716892
2.	Building	598983644	111015969	514339	709485274	5	35474264674011010	598983644	
3.	Furniture & Fixtures	96970425	29718421	32759	126656087	25	31664022	94992065	96970425
4.	Scientific Equipments	182442427	154939540	72973	337308994	40	134923597	202385397	182442427
5.	Computer	93604313	61310155	2765	154911703	40	61964681	92947022	93604313
6.	Library Books	53681353	30477465	-----	84158818	50	42079409	42079409	53681353
7.	Car, Scooters, etc.	4736743	1574773	-----	6311516	25	1577879	4733637	4736743
8.	Plant and Machinery	170333409	152777848	453437	322657820	20	64531564	258126256	170333409
9.	Musical Instruments	328583	299397	-----	627980	50	313990	313990	328583
10.	Sports Equipments	112046	-----	-----	112046	50	56023	56023	112046
11.	Capital Work in Progress	224328898	3445270335	5992500	3663606733			36636066733	224328898

<b>Total of Current year</b>	<b>1445238733</b>	<b>3987383903</b>	<b>7068773</b>	<b>5425553863</b>	<b>372585429</b>	<b>5052968434</b>	<b>1445238733</b>
<b>Previous year</b>	<b>1084762313</b>	<b>708038931</b>	<b>1398172</b>	<b>1791403072</b>	<b>346164340</b>	<b>1445238733</b>	

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31 MARCH 2011.**

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

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
1. In Government Securities	420946000	343092000
2. Shares	160500	160500
<b>Total</b>	<b>421106500</b>	<b>343252500</b>

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31 MARCH 2011.**

**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		518325		425725
2. <b>Bank Balances</b> – with Scheduled Banks :				
<b>(a) Current Account</b>				
Maintenance Grant Accounts	75470575		150957965	
Earmarked Fund Accounts	108958889	184429464	138780501	289738466
<b>(b) Saving Accounts</b>				
Maintenance Grant Accounts	178530494		209337226	
Earmarked Fund Accounts	4764136512		2666483464	
CPF Account refundable to UGC	10614001	4953281007	10251481	2886072171

**(c) Deposit Account**

Maintenance Grant Accounts	3166771		3144258	
Earmarked Fund Accounts (including margin money)	1722385308	1725552079	1670326619	1673470877
<b>Total (A)</b>		<b>6863780875</b>		<b>4849707239</b>

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31 MARCH 2011.****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. Staff Loans:</b>		
(a) Festival Advance	711032	500982
(b) Leave Travel Concession	514682	1453920
(c) Medical Reimbursement	----	519600
(d) House Building Advance	21675789	30464010
(e) Conveyance/Computer Advance	3553884	3527569
<b>2. Advance and other amounts recoverable in cash or in kind or for value to received</b>		
(i) Pre-paid Expenses	22751028	26832001
(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.	884320615	4050233289
(vii) Other advances out of Maintenance Grant Accounts	65010937	76550531
(viii) Recoverable Amount	----	15769641

### 3. Income accrued

(a) On Investments from Earmarked/ Endowment Fund	79198008	71643043
<b>Total (B)</b>	<b>1099215770</b>	<b>4298974381</b>
<b>Total (A+B)</b>	<b>7962996645</b>	<b>9148681620</b>

#### SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2011.

##### Schedule 7 : Grants/Subsidies

	Current Year	Amount in ₹ Previous Year
Grant received from University Grants Commission	3056754000	2773101342
<b>Total</b>	<b>3056754000</b>	<b>2773101342</b>

#### SCHEDULES FORMING PART OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2011.

##### Schedule 8 : Fees/Subscriptions

	Current Year	Amount in ₹ Previous Year
Admission fee	14145599	10807762
Annual Fees	4584902	5131809
University Enrolment fee	66413784	38065997
Tuition fee	12579927	10277971
Examination	446322303	284424040
Sports and Athletic Association fee	6307381	5706499
Migration fee	9201710	8475900
Special Enrolment/Annual fee	16630075	4749690
Laboratory fee	173978	96136
Library fee	673909	857419
Computer fee	362900	71338
Provisional & Misc. certificate	735525	570710
Others	12076245	9700509
<b>Total</b>	<b>590208238</b>	<b>378935780</b>

**SCHEDULES FORMING PART OF INCOME AND  
EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2011.**

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

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
1. Income from Publications	9126926	6870161
<b>Total</b>	<b>9126926</b>	<b>6870161</b>

**SCHEDULES FORMING PART OF INCOME AND  
EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2011.**

**Schedule 10 : Interest Earned**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>1 . On Term Deposit</b>		
(a) With Scheduled Banks	108650	121338
<b>2 . On Saving Accounts</b>		
(a) With Scheduled Banks	7931662	1902895
<b>Total</b>	<b>8040312</b>	<b>2024233</b>

**SCHEDULES FORMING PART OF INCOME AND  
EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2011.**

**Schedule 11 : Other Income**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
Health Centre contribution	5840124	6088596
Leave salary & Pension Contribution	15511360	3867430
Sale Raddi/Auction of Obsolete	6164996	5106958
License fee, Rent of Building etc.	6795375	3724505
Sale of Tender form	222000	328300
Others	6356195	7129145
<b>Total</b>	<b>40889960</b>	<b>26244934</b>



**SCHEDULES FORMING PART OF INCOME AND  
EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2011.**

**Schedule 12 : Establishment Expenses**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Salary and Allowances</b>		
Teaching staff	871299569	913437497
Non-Teaching staff	634963053	676149128
Lower Subordinate staff	231726316	209151765
Bonus	6472969	5484327
Deposit Link Insurance	845159	626752
Gratuity	96125113	87274853
Leave encashment	58777054	35531452
Pension	652572583	359940600
CPF Contribution	7249925	10242053
NPS Contribution	11840848	9159340
Leave Travel Concession	15664658	9816559
Honorarium	2964109	1675337
Reimbursement of Tuition fee	7741955	4373194
Medical Reimbursement	92584977	63839590
<b>Total</b>	<b>2681978028</b>	<b>2395552707</b>

**SCHEDULES FORMING PART OF INCOME AND  
EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2011.**

**Schedule 13 : Other Administrative Expenses**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
Academic Expenses	9779392	12811915
Award and Scholarship	592642	564798
Advertisement Expenses	12502446	11901910
Chemical & Glassware	13213586	26457466
Contingency	13359239	26521487
Net working expenses	26221871	22196799
Conveyance Expenses	1596980	1893212
Electricity & Water Expenses	183858479	143089907
Examination Expenses	192570637	155538452
Games & Sports	3740740	6193265

Legal & Professional	7328958	8443992
Medical Expenses	38447047	37796794
Other Expenses	8914349	6515958
Periodical & Journals	42270364	48504280
Postage & Telephone	9839991	11785275
Printing and Stationery	24137598	26611834
Rent Rate & Taxes	1236351	1169308
Repair and Maintenance of Building	101202627	59258566
Repair and Maintenance of Machinery	13623453	8399088
Repair and Maintenance of Furniture	1302453	695632
Repair and Maintenance of Vehicle	3688178	2550099
Repair and Maintenance of Laboratory	588382	907572
Travelling Expenses	5788735	10640601
Bank Charges	79273	300286
House Keeping Expenses	19152644	10142133
M/o Lawns	3193057	2690466
Refund of fee	1712993	558419
Property Tax	6666266	5788841
Seminar/Symposia/Workshop	5230749	2238371
Audit Charges	288553	216660
Watch and Ward Services	31296962	22445131
Expenditure relating to Plan Grant	9677553	44050855
<b>Total</b>	<b>773747442</b>	<b>627777662</b>

**SCHEDULES FORMING PART OF INCOME AND  
EXPENDITURE FOR THE YEAR ENDED 31 MARCH 2011.**

**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	78033628	68542988
(ii) Miscellaneous Grant	525000	1300000
<b>Total</b>	<b>78558628</b>	<b>69842988</b>

## SCHEDULES FORMING PART OF ACCOUNT FOR THE YEAR ENDED 31 MARCH 2011.

### 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:

Type of Asset	Rate
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 of 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 2011**

**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 2010 to February 2011. No provision is made towards salary for the month of March 2011.

**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. ₹ One per asset

<b>Particular</b>	<b>Qty.</b>	<b>Amount Capitalized (in ₹)</b>
Books	1052 Nos.	1052/-

10. Capital Work in Progress includes the amount paid by University till 31st March, 2011 towards construction of the following projects:

(i) Construction of stadium of Common Wealth Games	₹ 282,93,03,563
(ii) Construction of 1500 seated Rajiv Gandhi Girls Hostel for UG and PG students in Dhaka North Campus.	₹ 72,61,60,081
(iii) Construction of 70 'D' type flats at Dhaka	₹ 8,25,26,183

11. Previous year figures have been regrouped wherever necessary.
12. Schedules 1 to 16 are annexed to and form an integral part of the Balance Sheet as at 31st March, 2011 and the Income and Expenditure Account for the year ended on the date.

## PROVIDENT FUND ACCOUNT CONSOLIDATED BALANCE SHEET AS AT 31 MARCH 2011.

### LIABILITIES

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Subscribers Account</b>		
General Provident Fund	2252914095	2033015966
Contributory Provident Fund	594015060	548962589
New Pension Scheme	2294255	37871615
Interest Reserve Account	141720584	124089027
Other Liabilities	4192	340518
<b>Total</b>	<b>2990948186</b>	<b>2744279715</b>

**ASSETS**

Investments	1968345000	2160345000
Interest Accrued but not due	133747338	94895545
<b>Bank Balances with Scheduled banks in :</b>		
Savings Accounts	66390848	81974170
Deposit Accounts	822465000	407065000
<b>Total</b>	<b>2990948186</b>	<b>2744279715</b>

**PROVIDENT FUND ACCOUNT  
CONSOLIDATED INCOME AND EXPENDITURE ACCOUNT FOR THE  
YEAR ENDED 31 MARCH 2011.**

	Current Year	Amount in ₹ Previous Year
<b>(A) Income</b>		
Interest realized the year	187841048	
Add: Interest Accrued	<u>51583927</u>	
	<u>239424975</u>	
Less: Interest Accrued for the year 2008-09, 2009-10 but realised during the year 2010-11	<u>-12732134</u>	226692841
Adjustment relating to previous years	32778	213912629
<b>Total (A)</b>	<b>226725619</b>	<b>214147017</b>
<b>(B) Expenditure</b>		
Interest allowed to Subscribers	209087802	187322760
Bank Charges	6260	5905
<b>Total (B)</b>	<b>209094062</b>	<b>187328665</b>
Balance being excess of Income over expenditure, transferred to Interest Reserve Account (A-B)	17631557	26818352

**CONSOLIDATED RECEIPTS AND PAYMENTS ACCOUNT FOR THE  
YEAR ENDED 31 MARCH 2011.**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Receipts</b>		
To Opening Balance in:		
To Saving Accounts	81974170	12630054
To Fixed Deposit encashed	570600000	814145000
To Interest Received	187841048	283098347
To GPF Subscription	403870412	375627463
To CPF Subscription & Contribution	66654312	74088403
To NPS Subscription & Contribution	25033910	22597554
To Other Receipts	8000	340518
<b>Total</b>	<b>1335981852</b>	<b>1582527339</b>

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Payments</b>		
By Loan/Withdrawal/Final Payments to		
GPF Subscribers	348180192	255446232
CPF Subscribers	65528173	55758020
NPS Subscribers	30986	15533012
By amount trfd. to Trustee	61528337	----
Bank-Bank of India		
By Bank Charges	6260	5905
By Other Liabilities	317056	----
By Investment in Fixed Deposit/Bonds	794000000	1173810000
By Closing Balance in:		
Savings Accounts	66390848	81974170
<b>Total</b>	<b>1335981852</b>	<b>1582527339</b>



**UNIVERISTY PRESS**  
**BALANCE SHEET AS AT 31 MARCH 2011.**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Assets</b>		
Machinery, Furniture & Equipment	800,999.00	996,591.00
Amount Receivable	16,333,016.00	9,908,146.00
Auction Amount	----	1,852,000.00
Stock in Hand		
(a) Raw Material	802,912.00	504,713.00
(b) Finished Goods	41,585.00	59,545.00
Work in Progress	114,400.00	124,000.00
Cash in Bank	4,423,702.00	11,358,748.00
Festival Advance	13100.00	16,700.00
Permanent Advance	1000.00	1000.00
<b>Total</b>	<b>22,530,714.00</b>	<b>24,821,443.00</b>

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Funds &amp; Liabilities</b>		
1. Capital	4,274,090.00	6,348,130.00
2. Current Liabilities:		
(a) Deduction from Salary Bills	714,326.00	689,288.00
(b) Bills Payable	6,306.00	154,217.00
(c) Advance for work to be done	130,000.00	130,000.00
(d) Inter Bank Transfer	17,395,492.00	17,395,512.00
(e) Earnest Money	10,500.00	10,500.00
(f) Others	----	93,796.00
<b>Total</b>	<b>22,530,714.00</b>	<b>24,821,443.00</b>

## UNIVERISTY PRESS

### PROFIT AND LOSS ACCOUNT FOR THE YEAR 2010-11.

	Current Year	Amount in ₹ Previous Year
<b>Particulars</b>		
1. To <i>Opening Stock</i> :		
(a) Raw Materials	504,71,3.00	708,258.00
(b) Finished Goods	59,545.00	76,695.00
2. To Work in Progress	124,000.00	126,000.00
3. To Pay and Allowances:	5,156,254.00	6,197,068.00
(a) L.T.C.	7,158.00	3,204.00
(b) Tuition Fees	54,000.00	42,480.00
(c) Bonus	58,718.00	65,626.00
(d) Medical Reimbursement	896,616.00	465,966.00
4. To Purchase of Raw Materials	2,423,117.00	1,741,557.00
5. To Misc. Contingent Exp.	110,427.00	80,280.00
6. To Rate, Rent and Taxes	4,342.00	4,550.00
7. To Work Done Through Outside Agency	5,115,773.00	4,775,888.00
8. <i>Depreciation</i> :		
(a) Machinery, Furniture & Equipment	205,542.00	1,014,331.00
<b>Total</b>	<b>14,720,205.00</b>	<b>15,301,903.00</b>
<hr/>		
1. <b>Income</b>		
(a) Income from Printing and Binding	13,445,472.00	12,420,431.00
2. <b>By Closing Stock:</b>		
(a) Raw Materials	802,912.00	504,713.00
(b) Finished Goods	41,585.00	59,545.00
3. By work in progress	114,400.00	124,000.00
4. By Loss for this year	315,836.00	2,193,214.00
<b>Total</b>	<b>14,720,205.00</b>	<b>15,301,903.00</b>

**UNIVERSITY PRESS A/C NO. 10851295354**  
**RECEIPTS AND PAYMENTS FOR THE YEAR 31st MARCH, 2011.**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Receipts</b>		
<b>I. Opening Balance</b>		
Bank Balance	11358748	5772345
<b>II. From Printing &amp; Binding Work</b>	7020602	19161276
<b>III. Deductions/Recoveries</b>	2993964	2648145
Festival Advance	15600	12600
Other receipts	----	20000
<b>Total</b>	<b>21388914</b>	<b>27614366</b>

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Payments</b>		
<b>I. Expenses</b>		
Establishment Expenses	6106870	6197068
<b>II. Other Administrative expenses</b>		
Expenditure	7877396	7334256
Festival Advance	12000	18000
Remittance	2968926	2661145
Other Payments	20	45149
<b>III. Closing Balance</b>		
Bank Balance	4423702	11358748
<b>Total</b>	<b>21388914</b>	<b>27614366</b>

**HALLS AND HOSTELS**  
**BALANCE SHEET AS AT 31 MARCH 2011.**

	Current Year	Amount in ₹ Previous Year
<b>Capital Fund and Liabilities</b>		
Capital Fund and Liabilities	87382744	80552985
Earmarked/Endowment Funds	16293462	12281155
Current Liabilities and Provisions	7128545	8744401
<b>Total</b>	<b>110804751</b>	<b>101578541</b>
<b>Assets</b>		
Fixed Assets	35661185	42193077
Investments from earmarked/ endowment funds	18000	30140
Investments others	20492006	15519493
Current Assets, Loans, Advances etc.	54687784	43890056
Miscellaneous Expenditure	54224	54224
<b>Total</b>	<b>110804751</b>	<b>101578541</b>

**HALLS AND HOSTELS**  
**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR**  
**ENDED 31 MARCH 2011.**

	Current Year	Amount in ₹ Previous Year
<b>(A) Income</b>		
Grants/Subsidies	78542291	68822919
Fees/Subscriptions	22433712	20784923
Income from Sales/Services	15933436	12656836
Interest earned	2143654	2147467
Other Income	6449426	5660382
<b>Total (A)</b>	<b>125312403</b>	<b>110861571</b>

**(B) Expenditure**

Establishment Expenses	76479381	70893030
Other Administrative Expenses	32346185	31042350
Bank Charges	300	3945
Depreciation	10052592	12918700

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<b>Total (B)</b>	<b>118881158</b>	<b>114858025</b>
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Excess of Income over Expenditure/ (Expenditure over income) (A-B)	6431245	3996454
-----------------------------------------------------------------------	---------	---------

Balance Being (Deficit) carried to Capital Fund	6431245	3996454
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**HALLS AND HOSTELS****RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31 MARCH 2011.**

	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Receipts</b>		
I. Opening Balance		
Bank Balance	39253415	34448719
II. Other Bank Balance	21055914	----
III. Grants received	78542291	68229990
IV. Income on Investments	109600662	10690335
V. Interest Received	1174782	1246981
VI. Other Income	40303763	34971333
VII. Any other receipts	15842341	17637255
<b>Total</b>	<b>188183168</b>	<b>167224613</b>

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	<b>Current Year</b>	<b>Amount in ₹ Previous Year</b>
<b>Payments</b>		
I. Expenses		
(a) Establishment Expenses	72420240	66361371
(b) Administrative Expenses	35237850	33346767
II. (a) Payments against Earmarked Fund	5389994	4397168
(b) Payment Against Projects	298957	324146
III. Investments and Deposits made	26788994	12791583
IV. Expenditure on Fixed Assets & Capital work-in-Progress	3051500	
V. Finance Charges	2105	3370
VI. Other payments	6842824	8544342
VII. Closing Balances		
Bank Balance	38150704	167224613
<b>Total</b>	<b>188183168</b>	<b>167224613</b>

## PLAN DEVELOPMENT FUND/OBC EXPANSION FUND/ EXCELLENCE GRANT

The UGC released the following on account grant to the University of Delhi.

### Plan Grant

₹ 1.50 crore for the Merged Scheme under the XI Plan General Development Grant.

₹ 50.00 crore (₹ 5.00 crore as Recurring + ₹ 45.00 crore as Non-Recurring) under the XI Plan General Development Grant.

₹ 33.25 crore as Special Grant out of ₹ 100.00 crore approved by the Ministry of Human Resource Development as an Institution of Excellence.

### OBC Grant

₹ 50.00 crore (₹ 25.00 crore as Recurring + ₹ 25.00 crore as Non-Recurring) for the Colleges affiliated to the University of Delhi for implementation of OBC Reservation as per the Central Educational Institution (Reservation in Admission) Act, 2006.

₹ 100.00 crore (₹ 70.00 crore as Recurring + ₹ 30.00 crore as Non-Recurring) for the Colleges affiliated to University of Delhi for implementation of OBC Reservation as per the Central Educational Institution (Reservation in Admission) Act, 2006.

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

**Economics:** The University Grants Commission conveyed its approval for continuation of the Special Assistance Programme at the level of CAS for a period of five years. The following financial assistance has been approved:

Non-Recurring	:	₹ 20.00 lakh
Recurring	:	₹ 41.00 lakh
Total (NR+ R)	:	₹ 61.00 lakh

**Political Science:** The University Grants Commission conveyed its approval for continuation of the Special Assistance Programme from the level of DSA III to CAS-I for a period of five years. The following financial assistance has been approved:

Non-Recurring	:	₹ 17.00 lakh
Recurring	:	₹ 71.00 lakh
Total (NR+ R) for 5 years	:	₹ 88.00 lakh

**Physics and Astro-Physics:** The University Grants Commission conveyed its approval for continuation of the Special Assistance Programme from the level of DSA II to DSA-III for a period of five years. The following financial assistance has been approved:

Non-Recurring	:	₹ 37.00 lakh
Recurring	:	₹ 22.75 lakh
Total (NR+ R)	:	₹ 59.75 lakh

**Linguistics:** The University Grants Commission conveyed its approval for continuation of the Special Assistance Programme from DSA-III to CAS-I for a period of five years. The following financial assistance has been approved:

Non-Recurring	:	₹ 21.25 Lakh
Recurring	:	₹ 47.50 Lakh
Total (NR+ R)	:	₹ 68.75 Lakh

## 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 Mission on Pulses in Haryana.
- Impact of the National Horticulture Mission (NHM) Scheme in Haryana.
- 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.

### Library Development

AERC library is a small research and reference library. During the financial year 2010-11 this library has utilized ₹ 0.26 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 etc.

### Honours/Distinctions

**Dr. Usha Tuteja:** Member Editorial Board constituted by the Ministry of Agriculture, Government of India for publication of the next issue of the *Glimpses of Indian Agriculture*.

Member of the panel of Judges for Essay Competition organized by the National Science Academy, Pusa.

### Seminars/Conferences attended

**Dr. Usha Tuteja:** 'Important Issues in Supply Management of Pulses', in National Seminar organized by Centre for Food & Agribusiness Management, IIM, Lucknow, 9-11 April 2010.

'Reforms and Development Perspectives' organized by five Institutions, the Union Budget 2010-11, CPR, ICRIER, IDF, NCAER and NIPFP, 5 March 2011.

Round Table on 'Combating Food Inflation', organized by the Economic Times, 18 February 2011.



International Workshop on 'Indian Agriculture, Improving Competition, Markets and Efficiency of Supply Chains', organized by the NCAER, 16 February 2011.

National Seminar on 'Climate Change and Markets', organized by INSEE and TAER, 11 February 2011.

**Dr. D.S. Bhupal and Ms. Samiksha:** Papers presented 'Post Liberalization Agricultural Growth in India: An Assessment of New Policy Initiatives', in International Conference organized by IIM Bangalore, CPP 2010, 8-11 August 2010.

**Dr. D.S. Bhupal, and Ms. Samiksha:** Papers presented 'Analysis of Public Investment Pattern on Social Sector in India', International Conference organized by IIM Bangalore, CPP 2010, 8-11 August 2010.

**Dr. D.S. Bhupal, C.J. Singh and Fiona Maishall:** Paper presented 'Vegetable Supply-Chain Management in Delhi-Developments' during the last two decades, organized by IIM Lucknow and Agribusiness Society of India: National Conference, IIM Lucknow, 9-11 April 2010.

**Dr. D.S. Bhupal:** Paper presented 'Economics of Reusing Waste water for Horticultural Production: Case studies of Indian Cities', organized by Invertis University Bareilly, 23-24 October 2010.

'Agricultural Markets: Regulation and Role of the State': National Seminar and annual conference organized by Indian Society of Agricultural Marketing and, Gujarat University for Agricultural Sciences and Animal Husbandry, Navsari, 23-25 November 2010.

'Peri-urban Agriculture, Wastewater Reuse and Environment: Some Policy Issues' National seminar and Annual Conference of the Rajasthan Economic Association organized by the MVS College, University of Udaipur, 4-6 February 2011.

Rapporteur: Technical session, National Seminar and Annual Conference of the Rajasthan Economic Association, 4-6 February 2011.

Interactive Session with Industry on 'New Policy for promotion of Agro Processing and Agri-business in Rajasthan', 5 July 2010.

**Prof. Ramesh Chand:** Representative of the DG ICAR, participated in the planning, Indian Agriculture-Scenario Planning, Agro-Industry meet-Main Industrial Houses, 17 August 2010.

### **Publications**

**Tuteja, U.** 'Benefits of Agricultural Input Subsidies to Weaker Socio-economic Group of Farmers in India' Artha Vikas, *Journal of Economic Development*, Sardar Patel University, January-June, 2010.

World Lentil Production and Trade: A Country Level Analysis, *Journal of Agricultural Development and Policy*, 10 October 2010.

Growth and Instability in Global Trade of Peas, *Indian Journal of Economics* issue No. 361, October, 2010.

#### *Articles*

**Tuteja, U.** Production shortfall Fuelling Food Price Rise, by invitation, the *Financial Express*, 12 January 2011.

Raising the Output of Pulses Guest column, edit page, *The Economic Times*, 18 August 2010.

Will the Budget Spur Farm Growth, Guest column, edit page, *The Economic Times*, 10 April 2010.

Budget short of Strategy to Boost Agriculture output, by invitation, *the Financial Express*, 9 March 2011.

#### *Articles in Journals*

**Bhupal, D.S. and Marhall, Fiona** Peri-urban horticulture production with waste water irrigation and food safety in India: A case study of Varanasi, Uttar Pradesh; (ICH 09), pp. 1859-1865, July 2010.

**Bhupal, D.S. 2010.** 'Fifty Years of Indian Agriculture', Bhupal, O.S. (Review Article of Two volumes) Ed by Ali Mohammad, Abdul Munir and Hifzur Rehman, *Indian Journal of Agricultural Marketing*, published in issue no. 24 (1), pp. 154-158.

## **CENTRE FOR CANADIAN STUDIES**

### **Major Activities**

The Canadian Studies reading room in the South Delhi Campus Library is processing the collection of 3020 books for inclusion of the collection in the Online Public Access Catalog of the South Campus Library in order to ring the collection to its optimum use.

16<sup>th</sup> Lester Pearson Lecture was organized on 23 April, 2010. It was delivered by Prof. Jacques Brodeur, Department of Biology Sciences, University of Montreal, Canada on 'Current Challenges of Biological Control worldwide'.

Organised a Seminar on 'General Equilibrium trade Models: Canada-India Study Prospects' on 27 August, 2010. Dr. Rajesh Chadha, Senior Fellow (NCEAR) was the key speaker in the Seminar.

Organised a Roundtable Discussion with Mr. William White, a Weaver from Canada's Tsimshian nation on 'Storytelling and Weaving in an Indigenous Community in Canada'.

Organized an interactive session of two visiting Members of Parliament from Canada, Ms. Martha Hall Findley and Monsieur Claude Guimond with the students of the University of Delhi.

## **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 1987-1988. Its primary function is to conduct Orientation Programme and Refresher Courses for university and college teachers. Since 1987-88, it has organized 66 Orientation Programmes and 287 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, English, Psychology, Urdu, Mathematics and Operational Research, Physics and Electronics, Physical Education, Commerce, Chemistry, Life Sciences, Political Science and Hindi.

## **INSTITUTE OF LIFE LONG LEARNING**

### **Major Activities**

The aim of the institute is to enhance the quality of education provided by Delhi University. It is trying to integrate information and communication technology with higher education. The ILLL, which functions from two centres, one at the North Campus and the other at the South Campus, believes in a three-pronged strategy for ICT integration at Delhi University:

- (i) Capacity building of Students, Teachers, Administrators in ICT skills.
- (ii) Development of e-content.
- (iii) Developing a strong ICT related infrastructure.

The ILLL organised Workshops for teachers on the following topics:

**E-Learning Portal:** The Delhi University e-Learning portal was launched on 21 May 2010. However, this portal was launched on a domain outside University of Delhi, and is being maintained with the help of a private vendor. Efforts are being made to shift this portal to du.ac.in domain. This was followed by a workshop on how to use the e-learning portal which was held on 18 August 2010.

Institute of Lifelong Learning and Ministry of Defense (DRDO) jointly organised a one day workshop on 31st August 2010 on Chemistry Lab Safety for Delhi University Chemistry

teachers. The aim of the Workshop was on making chemistry teachers aware of safer lab practices and how to handle accidents which might occur in Chemistry Labs. There 33 teachers attended the Workshop. A Chemistry Lab Safety Manual was also prepared and distributed to 23 colleges.

ILLL in collaboration with Lady Irwin College conducted a hands-on workshop for teachers of University of Delhi for the paper in Food & Nutrition in II semester of B.Sc. Life Sciences course. It was conducted from 10-12 February 2011.

Besides e-content generation and Workshops for teachers, ILLL has conducted a local-server based examination and some short term courses for students. The details are as follows:

#### *Local-Server based Examination*

The ILLL was entrusted with the task of conducting an a local server-based examination in the Environmental Studies course for the first year students of B.Sc. Programme. The Examination was held on 17-18 June 2010, approximately 3280 students wrote the examination which was conducted at 7 centres.

The conductance of examination and the technical support were outsourced to an agency outside University of Delhi, and the software was provided by the same agency. The computer facilities were provided by the above mentioned centers, and the questions bank was provided by the teachers of the University of Delhi.

#### *Short term Courses (self-financing)*

English Language Proficiency Course for Students (ELPC): 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. It is being conducted at different identified Centres/Colleges.

An Intermediate level (ELPC) course was offered at the Central Institute of Education to 25 students.

An Advanced level (ELPC) was offered at the Central Institute of Education to 30 students.

Personality Development Course (PDC): Students are trained at ILLL by experts through a specially designed course module of 100 hours. The course covers a broad range of topics such as Holistic Wellness, Stress and Time Management, Handling Conflicts, Etiquette, Communicating Effectively and Motivating Self and Others.

Global Business Foundation Skills (GBFS): This course was conducted by ILLL in collaboration with National Association of Software and Services Companies (NASSCOM). It was a 120 hours course designed to provide students with business communication skills, customer management skills, PC and Data skills, to facilitate their transition from the campus to the corporate world.

Information Literacy for Research Competency (ILRC): Information Literacy can be termed as a set of individual abilities to identify, retrieve, evaluate, and use information that is appropriate to a particular requirement. This course was designed for training research scholars. It was a 60 hours course, conducted at ILL. Nineteen students opted for the course which was successfully completed with the support of Delhi University Library Staff.

### **Report of work done at ILL, South Campus**

- I. E-lessons:
  - (a) Courses completed: 4 full courses and some lessons in 3 other courses
- II. Quizzes: 673
- III. Interviews and Videos: 4
- IV. Workshops and Meetings:
  - (a) Course Writers' Meetings: 49
  - (b) Five-day Workshop on MathematicaTranslation: 10 Lessons and 7 Interviews
- V. Transcription: 9 Interviews

## **CENTRE FOR SCIENCE EDUCATION & COMMUNICATION**

### **Major Activities**

The twenty-sixth Annual QUEST started with the written round on 25 January 2011 at two venues: Miranda House and A.R.S.D. College. Interactive rounds was on 12 February 2011 and Exposition round was on 16 March 2011 in the auditorium of A.R.C. building. Twelve teams participated in all rounds. The following six teams were qualified for the finals: Kirori Mal College, Gargi College, A.N.D. College, Miranda House, Sri Venkateswara College and St. Stephen's College. The exposition round of the finals was held on 26 March 2011 in the Auditorium of A.R.C. building, Centre for Science Education & Communication, University of Delhi. The top three positions in Quest 2010-2011 were as follows: Kirori Mal College won the 1<sup>st</sup> prize and St. Stephen's College won the 2<sup>nd</sup> prize and Sri Venkateswara College won the 3<sup>rd</sup> Prize.

University of Delhi is one of the members of 21 leading research-intensive Universities around the world. Five students selected the Quest finalists attended a Summer School on food security from 5-15, July 2010 at the University of Nottingham, Ningbo China. Students were greatly benefited by participating in the summer school and learnt about various issues on the theme of Food Security: Global Politics, National Policies, and Local Practices.

## **Popular Lecture**

The Centre organized Science popular lectures on story of the calendar by Professor T. Padmanabhan (IUCTA) in August 2010 and Chandrasekhar Centenary Lecture by Professor P. Fabino (Harvard Smithsonian centre for Astrophysics, USA) in January 2011 to commemorate the 100th birth anniversary of Nobel laureate Prof. S. Chandrasekhar.

## **Training for Physics Asiad**

Based on their performance in the NSEP (National Standard Examination in Physics organized by the Indian Association of Physics Teachers (IAPT) and then the INPhO (Indian National Physics Olympiad organized by the Homi Bhabha Center for Science Education (HBCSE) Mumbai and IAPT), three students of Class XII, Umang Mathur of Jodhpur, Shubham Bansal of Udaipur and Sahal Kaushik of Delhi were chosen to represent the India at the 11th APhO (Asian Physics Olympiad), scheduled at Taipei, Taiwan from the 23 April 2010 through 1 May 2010. The EC of the IAPT decided two Leaders, Prof. B. Chakrabarti of Kolkatta and Dr. Manish Kapoor of Kanpur shall accompany the team.

The students had very little exposure to certain theory subjects, such as Special theory of Relativity, certain aspects of Thermal Physics, Modern physics, EMT and Optics. They had almost no exposure to experimental work, which has 30% weightage in the APhO. A rigorous 10 day training camp was organized, as in the past, by the IAPT and Center for Science Education & Communication (CSEC), Delhi University from the 13-20 April 2010. The remarkable part of the training was exposure to instrumentation, and the development of a mental attitude to tackling complex experimental problems. With the tireless efforts of the resource team drawn from Delhi, Mumbai, Pune, Kanpur, Dehradun and Kolkata the confidence level of the students rose to a visible high by the time the team left.

Two members, Sahal Kaushik and Shubham Bansal returned from the competition with bronze medals.

## **CENTRE FOR ENVIRONMENTAL MANAGEMENT OF DEGRADED ECOSYSTEMS**

The Centre for Environmental Management of Degraded Ecosystems (CEMDE) is actively working in the area of (i) Restoration ecology and sustainable development, (ii) Biological invasions and their management, (iii) Biodiversity assessment and Bioprospecting, (iv) Soil microbiology and ecosystem function, (v) Biomonitoring of ecosystem health, (vi) Investigations on biological invasions, systematics, mate recognition, and (vii) Character evolution and biogeography of amphibians of the Western Ghats restoration of degraded lands. CEMDE faculty is the core faculty for M.A./M.Sc. (Environmental Studies), and therefore sharing major teaching load in addition to research and extension programs. CEMDE faculty is also sharing major teaching responsibilities in M.Sc. (Environmental Biology).

## Research Schemes

<i>Title</i>	<i>Sponsoring Organization</i>
Invasion Success of <i>Ageratina adenophora</i> , A Global Weed.	CSIR, New Delhi
Analysis of invasion success of <i>Mikania micrantha</i> .	DST

## Publications

### *Research Articles*

**Inderjit, Evans, H., Crocoll, C., Bajpai, D., Kaur, R., Feng, Y., Silva, C., Carreon, J.T., Valiente-Banuet, A., Gershenson, J. and Callaway, R.M. 2011.** 'Volatile chemicals from leaf litter are associated with invasiveness of a neotropical weed in Asia'. *Ecology*, 92, 316-324.

**Gurevitch, J., Fox, G., Wardle, G., Inderjit and Taub, D. 2011.** 'Emergent insights from the synthesis of conceptual frameworks for biological invasions'. *Ecology Letters*, 14, 407-418.

**Inderjit and van der Putten, W.H. 2010.** 'Impacts of soil microbial communities on exotic plant invasion'. *Trends in Ecology & Evolution*, 25, 512-519.

**Inderjit, Bajpai, D. and Rajeswari, M.S. 2010.** 'Interaction of 8-hydroxyquinoline with soil environment mediates its ecological function'. *PLoS ONE* 5 (9): e12852.

**Inderjit and Kaushik, S. 2010.** 'Effect of herbicides with different modes of action on physiological and cellular traits of *Anabaena fertilissima*'. *Paddy and Water Environment*, 8, 277-282.

## 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, 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 Government of India, its PSUs and 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 (GIS) and is making rapid strides in helping Public and Private Sector organizations in these frontline areas.



## Research Schemes

<i>Title</i>	<i>Sponsoring Organisation</i>
Minimum Environmental flow study in Yarjep Chhu in Arunachal Pradesh.	Velcan Energy. Ltd. (France)
Environmental Flow Release Downstream of the diversion barrage site of Singoli-Bhatwari HEP.	L&T Uttaranchal Hydropower

## Honours/Distinctions

**Prof. Maharaj K. Pandit:** Invited by National University of Singapore as Visiting Senior Fellow.

## Publications

**Pandit, M.K. 2010.** Indian higher education: In search of the teacher. *Current Science* 99:728-30.

**2011.** Conservational significance of farmhouses in the hinterland. *Context* (VIII (1): 97-101.

**Bhatt, J.P. and Pandit, M.K. 2010.** A macro invertebrate based new biotic index to monitor water quality. *Current Science*, 99:196-203.

**Pandit, M.K., Pocock, M.J.O. and Kunin, W.E. 2011.** Ploidy influences rarity and invasiveness in plants. *Journal of Ecology*, 99,1108–1115. [<http://www.nature.com/news/2011/110406/full/news.2011.213.html>]

**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 Systematics & Evolution*. 287: 29-36.

**Sharma, S.K. and Pandit, M.K. 2011.** Taxonomic study on *Panax sikkimensis* Ban. (Araliaceae) species complex using morphometric analysis from Sikkim Himalaya, India. *Plant Systematics & Evolution*. Published online DOI: 10.1007/s00606-011-0501-8.

## CENTRE FOR DETECTOR AND RELATED SOFTWARE TECHNOLOGY

### Major Activities

Various softwares related with collaborative research work under International collaboration (CMS, CERN, Switzerland) have been installed.

### Research Schemes

<i>Title</i>	<i>Sponsoring Organization</i>
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 (WLCG).

Accelerators and Detectors for future, High Energy  
Physics Experiment.

IUSSTF  
Govt. of India.

### **New Addition**

Dr. Ashutosh Bhardwaj - Assistant Professor

### **Honours/Distinctions**

**Dr. Md. Naimuddin:** Awarded INSA Medal for Young Scientist 2011.

### **Seminars/Conferences attended**

**Dr. Kirti Ranjan:** Invited talk in Indian Particle Accelerator Conference, IUAC.

### **Publications**

#### *Research Article*

**Saxena, P., Ranjan, K., Bhardwaj, A., Shivpuri, R.K. and Bhattacharya, S. 2010.** ‘Development of multi guard ring equipped p+n Si microstrip sensors for the SiD detector at the ILC’, *Semicond.Sci.Technol.* 25, 05012.

### **DØ COLLABORATION**

Azimuthal Decorrelations and Multiple Parton Interactions in  $\gamma+2$  Jet and  $\gamma+3$  Jet Events in pp Collisions at  $\sqrt{s} = 1.96$  TeV

Published 3/23/11: Phys. Rev. D 83, 052008 (2011), arXiv.org:1101.1509 plots 1.0 fb<sup>-1</sup>

Precise Study of the Z/ $\gamma^*$  Boson Transverse Momentum Distribution in pp Collisions Using a Novel Technique Published 3/21/11: Phys. Rev. Lett. 106, 122001 (2011), arXiv.org:1010.0262 plots 7.3 fb<sup>-1</sup>

Search for Neutral Higgs Bosons in the Multi b Jet Topology in 5.2 fb<sup>-1</sup> of pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 3/3/11: Phys. Lett. B 698, 97 (2011), arXiv.org:1011.1931 plots 5.2 fb<sup>-1</sup>

Measurement of the Ratio of Inclusive Cross Sections  $\sigma(\text{pp} \rightarrow Z + b \text{ Quark Jet}) / \sigma(\text{pp} \rightarrow Z + \text{Jet})$  at  $\sqrt{s} = 1.96$  TeV Published 2/28/11: Phys. Rev. D 83, 031105 (2011), arXiv.org:1010.6203 plots 4.2 fb<sup>-1</sup>.

Search for WH Associated Production in 5.3 fb<sup>-1</sup> of pp Collisions at the Fermilab Tevatron Published 2/23/11: Phys. Lett. B 698, 6 (2011), arXiv.org:1012.0874 plots 5.3 fb<sup>-1</sup>.

Search for Single Vectorlike Quarks in pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 2/22/11: Phys. Rev. Lett. 106, 081801 (2011), arXiv.org:1010.1466 plots 5.4 fb<sup>-1</sup>.

Measurement of the W Boson Helicity in Top Quark Decays using 5.4 fb<sup>-1</sup> of pp Collision Data Published 2/18/11: Phys. Rev. D 83, 032009 (2011), arXiv.org:1011.6549 plots 5.4 fb<sup>-1</sup>.

Determination of the Width of the Top Quark Published 1/11/11: Phys. Rev. Lett. **106**, 022001 (2011), arXiv.org:1009.5686 plots 2.3 fb<sup>-1</sup>.

Search for Pair Production of the Scalar Top Quark in the Electron+Muon Final State Published 12/31/10: Phys. Lett. B 696, 321 (2011), arXiv.org:1009.5950 plots 5.4 fb<sup>-1</sup>.

Search for ZH→l<sup>+</sup>l<sup>-</sup> bb Production in 4.2 fb<sup>-1</sup> of pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 12/13/10: Phys. Rev. Lett. 105, 251801 (2010), arXiv.org:1008.3564 plots 4.2 fb<sup>-1</sup>.

Search for Diphoton Events with Large Missing Transverse Energy in 6.3 fb<sup>-1</sup> of pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 11/24/10: Phys. Rev. Lett. 105, 221802 (2010), arXiv.org:1008.2133 plots 6.3 fb<sup>-1</sup>.

Search for New Fermions (“Quirks”) at the Fermilab Tevatron Collider Published 11/19/10: Phys. Rev. Lett. 105, 211803 (2010), arXiv.org:1008.3547 plots 2.4 fb<sup>-1</sup>.

Search for Events with Leptonic Jets and Missing Transverse Energy in pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 11/19/10: Phys. Rev. Lett. 105, 211802 (2010), arXiv.org:1008.3356 plots 5.8 fb<sup>-1</sup>.

Search for Sneutrino Production in e<sup>-</sup>l Final States in 5.3 fb<sup>-1</sup> of pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 11/5/10: Phys. Rev. Lett. 105, 191802 (2010), arXiv.org:1007.4835 plots 5.3 fb<sup>-1</sup>.

Search for a Heavy Neutral Gauge Boson in the Dielectron Channel with 5.4 fb<sup>-1</sup> of pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 10/30/10: Phys. Lett. B 695, 88 (2011), arXiv.org:1008.2023 plots 5.4 fb<sup>-1</sup>.

Measurement of tt Production in the  $\tau$ +Jets Topology using pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 10/27/10: Phys. Rev. D 82, 071102 (2010), arXiv.org:1008.4284 plots 1.0 fb<sup>-1</sup>.

Measurement of the WZ →lvll Cross Section and Limits on Anomalous Triple Gauge Couplings in pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 10/23/10: Phys. Lett. B 695, 67 (2011), arXiv.org:1006.0761 plots 4.1 fb<sup>-1</sup>.

Search for the Rare Decay B<sub>s</sub><sup>0</sup>→μ<sup>+</sup>μ<sup>-</sup> Published 9/18/10: Phys. Lett. B **693**, 539 (2010), arXiv.org:1006.3469 plots 6.1 fb<sup>-1</sup>.

Measurement of the Dijet Invariant Mass Cross Section in pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 9/17/10: Phys. Lett. B 693, 531 (2010), arXiv.org:1002.4594 plots 0.7 fb<sup>-1</sup>.

Measurement of the Normalized Z/γ\*→μ<sup>+</sup>μ<sup>-</sup> Transverse Momentum Distribution in pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 9/16/10: Phys. Lett. B 693, 522 (2010), arXiv.org:1006.0618 plots 1.0 fb<sup>-1</sup>.

Dependence of the tt Production Cross Section on the Transverse Momentum of the Top Quark Published 9/15/10: Phys. Lett. B 693, 515 (2010), arXiv.org:1001.1900 plots 1.0 fb<sup>-1</sup>.

Search for Scalar Bottom Quarks and Third-Generation Leptoquarks in pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 8/19/10: Phys. Lett. B 693, 95 (2010), arXiv.Org: 1005.2222 plots 5.2 fb<sup>-1</sup>.

Search for Flavor Changing Neutral Currents via Quark-Gluon Couplings in Single Top Quark Production Using 2.3 fb<sup>-1</sup> of pp Collisions Published 8/11/10: Phys. Lett. B 693,81 (2010), arXiv.org: 1006.3575 plots 2.3 fb<sup>-1</sup>.

Measurement of the tt Cross Section using High-Multiplicity Jet Events Published 8/20/10: Phys. Rev. D 82, 032002 (2010), arXiv.org:0911.4286 plots 1.0 fb<sup>-1</sup>.

Evidence for an Anomalous Like-Sign Dimuon Charge Asymmetry Published 8/16/10: Phys. Rev. Lett. 105, 081801 (2010), arXiv.org: 1007.0395 plots press coverage, seminars 6.1 fb<sup>-1</sup>.

Evidence for an Anomalous Like-Sign Dimuon Charge Asymmetry Published 8/16/10: Phys. Rev. D 82, 032001, (2010), arXiv.org:1005.2757 plots press coverage, seminars 6.1 fb<sup>-1</sup>.

Search for CP Violation in  $B_s^0 \rightarrow \mu^+ D_s^- X$  Decays in pp Collisions at  $\sqrt{s} = 1.96$  TeV Published 7/26/10: Phys. Rev. D 82, 012003 (2010), arXiv.org:0904.3907 plots 5.0 fb<sup>-1</sup>.

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. Published 7/15/10: Phys. Rev. D 82, 011102 (2010), arXiv.org:1005.3216 plots 5.4 fb<sup>-1</sup>.

## **CMS COLLABORATION**

Search for Supersymmetry in Events with b Jets and Missing Transverse Momentum at the LHC, <http://arxiv.org/abs/1106.3272>, *J. High Energy Phys.*

Measurement of the t channel single top quark production cross section in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1106.3052>, *Phys. Rev. Lett.*

Search for Light Resonances Decaying into Pairs of Muons as a Signal of New Physics, <http://arxiv.org/abs/1106.2375>, *J. High Energy Phys.*

Search for Same Sign Top Quark Pair Production at  $\sqrt{s} = 7$  TeV and Limits on Flavour Changing Neutral Currents in the Top Sector, <http://arxiv.org/abs/1106.2142>.

Search for Physics Beyond the Standard Model Using Multilepton Signatures in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1106.0933>, *Phys. Lett. B.*

Measurement of the Top antitop Production Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV using the Kinematic Properties of Events with Leptons and Jets, <http://arxiv.org/abs/1106.0902>, *Eur. Phys. J.C.*

Measurement of the Ratio of the 3 jet to 2 jet Cross Sections in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1106.0647>, *Phys. Lett. B.*

Measurement of the Inclusive Jet Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1106.0208>, *Phys. Rev. Lett.*

Measurement of the  $t\bar{t}$  production cross section and the top quark mass in the dilepton channel in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1105.5661>, *J. High Energy Phys.*

Search for First Generation Scalar Leptoquarks in the  $e\nu_{jj}$  Channel in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1105.5237>, *Phys. Lett. B.*

Suppression of excited  $\Upsilon$  states in PbPb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV, <http://arxiv.org/abs/1105.4894>, *Phys. Rev. Lett.*

Measurement of  $W\gamma$  and  $Z\gamma$  production in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1105.2758>.

Long range and short range dihadron angular correlations in central PbPb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV, <http://arxiv.org/abs/1105.2438>, *J. High Energy Phys.*

Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1105.3152>, *J. High Energy Phys.*

Measurement of the Polarization of W Bosons with Large Transverse Momenta in W+Jets Events at the LHC, <http://arxiv.org/abs/1104.3829>, *Phys. Rev. Lett.*

Charged particle transverse momentum spectra in pp collisions at  $\sqrt{s} = 0.9$  and 7 TeV, <http://arxiv.org/abs/1104.3547>, *J. High Energy Phys.*

Search for new physics with same sign isolated dilepton events with jets and missing transverse energy at the LHC, <http://arxiv.org/abs/1104.3168>, *J. High Energy Phys.*

Measurement of the  $B^0$  Production Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1104.2892>, *Phys. Rev. Lett.*

Measurement of the differential dijet production cross section in proton proton collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1104.1693>, *Phys. Lett. B*, 700: 187–206, 2011.

Search for Neutral MSSM Higgs Bosons Decaying to Tau Pairs in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1104.1619>, *Phys. Rev. Lett.*

Measurement of the Inclusive Z Cross Section via Decays to Tau Pairs in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1104.1617>, *J. High Energy Phys.*

Search for Large Extra Dimensions in the Diphoton Final State at the Large Hadron Collider, <http://arxiv.org/abs/1103.4279>, *J. High Energy Phys.*

Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1103.3470>, *J. High Energy Phys.*

Search for Physics Beyond the Standard Model in Opposite sign Dilepton Events in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1103.1348>, *J. High Energy Phys.*

Search for Resonances in the Dilepton Mass Distribution in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1103.0981>, *J. High Energy Phys.*

Search for Supersymmetry in pp Collisions at  $\sqrt{s} = 7$  TeV in Events with Two Photons and Missing Transverse Energy, <http://arxiv.org/abs/1103.0953>.

Search for a  $W$  boson decaying to a muon and a neutrino in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1103.0030>, *Phys. Lett. B*.

Study of Z boson production in PbPb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV, <http://arxiv.org/abs/1102.5435>, *Phys. Rev. Lett.*

Measurement of  $W^+W^-$  Production and Search for the Higgs Boson in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1102.5429>, *Phys. Lett. B*, 699: 25–47, 2011.

Search for a Heavy Bottom like Quark in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1102.4746>, *Phys. Lett. B*, 2011.

Strange Particle Production in pp collisions at  $\sqrt{s} = 0.9$  and 7 TeV, <http://arxiv.org/abs/1102.4282>, *J. High Energy Phys.*, 05: 064, 2011.

Measurement of  $B^0$  angular correlations based on secondary vertex reconstruction at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1102.3194>, *J. High Energy Phys.*, 03: 136, 2011.

Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1102.2020>, *Phys. Rev. Lett.*

Observation and studies of jet quenching in PbPb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV, <http://arxiv.org/abs/1102.1957>.

First Measurement of Hadronic Event Shapes in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1102.0068>, *Phys. Lett. B*, 699: 48–67, 2011.

Dijet Azimuthal Decorrelations in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1101.5029>.

Measurement of Bose–Einstein Correlations in pp Collisions at  $\sqrt{s} = 0.9$  and 7 TeV, <http://arxiv.org/abs/1101.3518>, *J. High Energy Phys.*, 05: 029, 2011.

Inclusive b hadron production cross section with muons in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1101.3512>, *J. High Energy Phys.*, 03: 090, 2011.

Search for Heavy Stable Charged Particles in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1101.1645>, *J. High Energy Phys.*, 03: 024, 2011.

Search for Supersymmetry in pp Collisions at 7 TeV in Events with Jets and Missing Transverse Energy, <http://arxiv.org/abs/1101.1628>, *Phys. Lett. B*, 698: 196–218, 2011.

Measurement of the  $B^+B^-$  Production Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1101.0131>, *Phys. Rev. Lett.*

Search for a heavy gauge boson  $W'$  in the final state with an electron and large missing transverse energy in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1012.5945>, *Phys. Lett. B*, 698: 21–39, 2011.

Upsilon production cross section in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1012.5545>.

Search for Pair Production of Second Generation Scalar Leptoquarks in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1012.4033>, *Phys. Rev. Lett.*, 106: 201803, 2011.

Search for Pair Production of First Generation Scalar Leptoquarks in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1012.4031>, *Phys. Rev. Lett.*, 106: 201802, 2011.

Search for Microscopic Black Hole Signatures at the Large Hadron Collider, <http://arxiv.org/abs/1012.3375>, *Phys. Lett. B*, 697: 434–453, 2011.

Measurements of Inclusive W and Z Cross Sections in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1012.2466>, *J. High Energy Phys.*, 01: 080, 2011.

Measurement of the Isolated Prompt Photon Production Cross Section in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1012.0799>, *Phys. Rev. Lett.*, 106: 082001, 2011.

Search for Stopped Gluinos in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1011.5861>, *Phys. Rev. Lett.*, 106: 011801, 2011.

Charged particle multiplicities in pp interactions at  $\sqrt{s} = 0.9, 2.36,$  and 7 TeV, <http://arxiv.org/abs/1011.5531>, *J. High Energy Phys.*, 01: 079, 2011.

Prompt and non prompt  $J/\psi$  production in pp collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1011.4193>, *Eur. Phys. J. C*, 71: 1575, 2011.

First Measurement of the Cross Section for Top Quark Pair Production in Proton Proton Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1010.5994>, *Phys. Lett. B*, 695: 424–443, 2011.

Search for Quark Compositeness with the Dijet Centrality Ratio in pp Collisions at  $\sqrt{s} = 7$  TeV, <http://arxiv.org/abs/1010.4439>, *Phys. Rev. Lett.*, 105: 262001, 2010.

Search for Dijet Resonances in 7 TeV pp Collisions at CMS, <http://arxiv.org/abs/1010.0203>, *Phys. Rev. Lett.*, 105: 211801, 2010.

Observation of Long Range, Near Side Angular Correlations in Proton Proton Collisions at the LHC, <http://arxiv.org/abs/1009.4122>, *J. High Energy Phys.*, 09: 091, 2010.

## DEVELOPING COUNTRIES RESEARCH CENTRE

### Research Schemes

<i>Title</i>	<i>Principal Investigation</i>	<i>Sponsoring Organization</i>
UGC Area Studies Programme Second Phase.	Dr. Ashok Acharya	
Mapping Social Exclusion and Rights of Representation: A Study of Students Union Body in Central Universities of India.	Dr. N. Sukumar Ravi Ranjan.	UGC

### Seminars/Conferences held

DCRC in collaboration with the BHASHA, Bhasha Research and Publication Centre, Vadodara organized an International Conference on “Chotro: Local Knowledge – Global Translations: The Imagination and the Images of Indigenous Communities in the twenty-first Century” on 11 September 2010.

DCRC organized a workshop on Digital Image Processing on 6-7 July 2010.

DCRC organized a workshop on Bhuvan Awareness on 30 March 2011.

The Eighth Pablo Neruda Lecture delivered by Professor G.N. Devy, founder, Adivasi Academy, Tejgarh on ‘*The Colonial Imagination and the Making of Adivasis*’ at DCRC on 21 April 2010.

The Ninth Oliver Tambo Lecture delivered by Professor Anwar Shaikh on “Neoliberalism and the Theory of Free Trade” at DCRC on 12 November 2010.

**Dr. Rajshree Chandra:** Presented a paper on “Farmers’ Rights in India: The Challenges of Proprietary Claims in Agriculture” Comparative Theory Seminars on 31 August 2010.

**Prof. Gurminder K. Bhabra:** Presented a paper on ‘From Modernisation to Multiple Modernities: Eurocentrism Redux’, 7 September 2010.

**Dr. Nidhi Trehan:** Presented a paper on ‘Romani Politics in Contemporary Europe: Poverty, Ethnic Mobilization and the Neo-Liberal Order’, 16 November 2010.

**Prof. Catherine Lu:** Presented a paper on ‘Colonialism as Structural Injustice: Historical Responsibility and Contemporary Repair’, 15 December 2010.

DCRC organized the 22<sup>nd</sup> Grassroots Politics Colloquium on “Who is a Citizen?” on 25-26 March 2011.



## Papers Publications

**Parihar, S.** *'Theorising the Right: A Secession for the Postcolonial World'* by Prof. Neera Chandhoke. *'Web Mapping Practices: A Map Use Research Perspective'* by Dr. Seema M. Parihar.

**Srivastava, P.M.** *'Fire and Sexuality Conumndrum in Contemporary India'*.

**Parihar, S. 2011.** 'Conceptualising Space and Indigenous Knowledge: Articulations and Considerations for Natural Resource Management in the Himalayas', in Devy, G.N.; G. Davis and K.K. Chakravarty (eds.) *Indigenous Cultures in Transition*, Routledge (Presented at DCRC during Chotro 3, 2010).

## INTER-DISCIPLINARY CENTRE FOR PLANT GENOMICS

### Major Activities

One of the major initiatives under ICPG has been to accomplish sequencing of Chromosome 5 of tomato as part of International Consortium. Within Chromosome 5, our task was restricted to sequencing of BACs confined mostly to the short arm. Thus, the 50 BACs entrusted to us have been sequenced from Chromosome 5 using ABI3700/ABI3730 automated DNA sequencers, following Sanger's di-deoxy terminator technology. In addition, three BAC clones sequenced were later mapped to Chromosome 7. At the end of the project tenure (March 31, 2011), 45, 03 and 02 BAC clones from chromosome 5 has been sequenced at phase III, II and I levels, respectively. The BAC clones at phase III/II have been submitted to the Gen Bank and up-loaded to SGN site and are available for public access. The annotation of the available sequence data helped in identifying several genes of interest. Realizing the potential of Next Generation Sequencing (NGS), we also contributed (5X level) to the whole genome sequencing of tomato by pyro-sequencing. Using the whole genome data generated by the consortium and the BAC-by-BAC sequence data generated by individual groups, the final whole genome assembly has been generated. Again, as part of iTAG, we also contributed towards annotation of the tomato genome under the aegis of International Tomato Genome Annotation Group.

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Physical mapping and sample sequencing of wheat chromosome 2A– International Wheat Genome Sequencing Consortium	Prof. J.P. Khurana	DBT, Govt. of India
Phenomics of moisture deficit and low temperature stress tolerance in rice.	Prof. J.P. Khurana	ICAR, New Delhi



## Honours/Distinctions

**Prof. J.P. Khurana:** Awarded 'Tata Innovation Fellowship' by the Department of Biotechnology, Government of India.

Elected Secretary, Plant Tissue Culture Association, India.

## Publications

**Chaudhary, N., Nijhawan, A., Khurana, J.P. and Khurana, P. 2010.** 'Carotenoid biosynthesis genes in rice: structural analysis, genome-wide expression profiling and phylogenetic analysis'. *Mol. Gen. Genom.* 283: 13-33.

**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* 26: 257-73.

**Chauhan, H., Khurana, N., Tyagi, A.K., Khurana, J.P. and Khurana, P. 2011.** 'Identification and characterization of high temperature stress responsive genes in bread wheat (*Triticum aestivum* L.) and their regulation at various stages of development'. *Plant Mol. Biol.* 75: 35-51.

**Ray, S., Dansana, P.K., Giri, J., Deveswar, P., Arora, R., Agarwal, P., Khurana, J.P., Kapoor, S. and Tyagi, A.K. 2011.** 'Comparative analysis of water-deficit stress responsive genes vis-à-vis genes expressing differentially on exposure to cold and salt stress and during reproductive development in rice (*Oryza sativa*)'. *Funct.Integ.Gen.* 11: 157-78.

**Bandopadhyay, R., Rustgi, S., Chaudhuri, R., Khurana, P., Khurana, J.P., Tyagi, A.K., Balyan, H., Houben, A. and Gupta, P. 2011.** 'Use of methyl filtration and Cot fractionation for analysis of genome composition and comparative genomics in bread wheat'. *J. Genetics Genomics* 38: 315-25.

**Sehgal, A., Khurana, J.P., Sethi, M. and Ara, H. 2011.** 'Occurrence of unique three-celled megagametophyte and single fertilization in an aquatic angiosperm-*Dalzellia zeylanica* (Podostemaceae-Tristricoidae)'. *Sexual Plant Reprod.* 24: 199-210.

## INSTITUTE OF INFORMATICS & COMMUNICATION

### Major Activities

The Institute organized various 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

programme such as 'Envisage'11'. The faculty actively presented their research work in various platforms like National/International Conferences, Workshops. The placements activity in this year like earlier years has been actively pursued resulting in 100% in the first round. Many top rated IT industries are coming for the campus placement. Industries visiting the Institute this year are Aricient, Hughes Systique, Bharti Telesoft, Connexent, Sapient, etc.

### Research Scheme

<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)

### Seminars/Conferences held

National Open Source Tech-Fest 'Envisage 11', UDSC, New Delhi, 12-13 March 2011.

### Seminars/ Conferences attended

**Dr. M.K. Das:** Presented the work application of wavelet analysis National Seminar on 'Frontiers of Mathematics and Mathematical Sciences', (NSFMMS-2010) Kolkata, 6-7 September 2010.

### Publications

**Das, M.K., Chatraju, N.K., Yuasa, M. and Ghosh, S. 2010.** 'Wavelet Analysis of Dynamical Systems', *Rev. Bull. Cal. Math. Soc.*, 18,(2) 167-172.

**Singh, S. 2011.** 'Large Scale Wireless Network in Higher Education', Asia Pacific WiFi Conference, Kuala Lumpur, Malaysia, 6-7 July 2011.

'Content Creation and Consolidation', Open Paradigm in Education, International Conference on Open Learning, New Delhi, 31 January – 2 February 2011.

**Khurana, S. and Gupta, N. 2011.** 'End-to-end protocol to secure ad hoc networks against wormhole attacks', *Wiley Journal of Security and Communication Networks*, Vol. 4, issue 5.

'Reliable Distance Vector routing protocol to handle Blackhole and Selfish (RDVBS) nodes in Ad hoc Network', Communicated in *Journal of Ad hoc Networks (Elsevier)*.

**Gupta, N. and Khurana, S.** 'Discovering Minimum Exposed Path to Attack (MEPA) in Mobile Ad hoc Networks (MANETs) in optimal  $O(|P|)$  time after re-processing', *Communicated in Journal of Ad hoc and Sensor Networks*.

## **DELHI UNIVERSITY COMPUTER CENTRE**

### **Major Activities**

DUCC in the past one year has concentrated on consolidation of the initiatives taken last year. The connectivity via VPN network has now been established with all the undergraduate colleges using fibre networks. More than 70% of the colleges have now been put on domain where students and faculty use proper authentication systems to connect to internet and Wi-fi systems installed in these colleges. DUCC continues to upgrade its infrastructure to meet the requirements of high bandwidth usage. This includes upgrading gigabit switches and usage of high performance servers for DNS, proxy etc. During peak times, the bandwidth consumption is now reaching 300 Mbps. As continued efforts to consolidate last year's efforts, most of the machines are now equipped with proper licensed operating systems, anti-virus software and latest version of general use software such as Microsoft Office, Adobe Creative Suite systems etc.

DUCC has also upgraded its in-house facilities for the use of PG students, faculty and staff. The new machines are fully equipped with the latest versions of software and provide fast internet speeds along with upgraded printing facilities. The usage of DUCC facilities has grown from a mere 500 members to more than 1250 members in last one year and continues to grow.

This year, DUCC launched an information page on the popular social networking site, Facebook, which is accessed by more than one lakh visitors. DUCC also continues to maintain a central DU website and provides the latest information relating to admissions, examinations etc to all its users. DUCC also continues to host the web pages for its faculty, departments and colleges.

## **DELHI UNIVERSITY LIBRARY SYSTEM**

### **Major Activities**

Delhi University Library System during this period has taken several measures to revamp the library and information services provided through its 34 constituent libraries, in keeping with the newly revised Ordinance XVI.

### **RESOURCES**

#### *Print*

The Library System added 30563 volumes of books/periodicals to its collection and 1242 volumes from South Campus Library were written off. The total collection as on 31 March 2011 is 1529304 volumes. It had 1544 periodicals on its current list of subscriptions.

#### *Electronic*

The DULS continued to strengthen the accessibility of electronic resources to the users. While the previously subscribed resources have been renewed, there are number of e-resources which have been added.

### *Audio Book Resources and Braille Library*

The Library has created Digital Audio Document for 1188 books in DAZY form. 225 titles were produced in Braille form using electronic embosser.

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

### *USER SERVICES*

DULS –website which includes the catalogue of selected libraries (OPAC); a provision of e-referencing, A-Z list of E-journals, Online information Literacy Tutorial, Subject Portal, Ask your Librarian, access to electronic resources including open access resources and several other user friendly features, is in operation.

Digital Library – The Department of Information Technology has provided funds of ₹60 lakhs undertake the second phase of digitization of out of copyright zone books. DULS digitizing the theses collection of University. Completing the project of those theses collection which were produced from 1980 to 2003. About 8311 theses have been uploaded on the Web for internal accessibility.

## **DELHI UNIVERSITY LIBRARY SYSTEM**

### **Statistical Data**

<i>Unit</i>	<i>Access ion No.</i>	<i>Expenditure</i>		<i>Member- ship</i>	<i>Visitors</i>	<i>Documents</i>		<i>Periodicals Collection</i>	<i>Subs. Perio dicals</i>	<i>Book Write off</i>
		<i>Books</i>	<i>Periodicals</i>			<i>Circulated</i>	<i>Consulted</i>			
Central	2555	4110161	4325000	3129	45000	196500	413500	152960	181	---
Arts	4698	3150000	958366	---	---	---	---	---	---	---
SDC	2686	3295791	5250155	1532	130400	76400	427650	11879	269	1242
Ratan Tata	1989	3806000	8299000	1613	150000	31596	35853	114000	304	---
Central Sc.	2818	5032102	21227555	2847	326498	215569	471727	---	387	---
Campus Law	1297	800000	950000	1783	431200	92400	616000	32000	156	---
FMS	975	2110000	1501000	886	30460	38475	4165	3000	74	---
Music & Fine Arts	104	37635	---	355	20000	10000	14000	7	06	---
Maths	13	---	---	922	---	---	---	1412	10	---
African Studies	28	---	---	60	7200	4800	6000	---	---	---
Botany	7796	---	---	251	2580	7688	12328	---	---	---
East Asian Studies	436	62658	98394	192	---	---	---	1585	15	---
GRS	1037	410000	---	813	---	600	9600	---	---	---
L.I.C. Sc.	187	150000	---	138	350	15000	17000	---	---	---
Linguistics	80	137507	---	---	3780	4170	4675	300	---	---

Philosophy	11	---	---	250	5	500	400	15	13	---
Physics & Astro-phy.	---	297126	---	967	4860	21870	34020	---	---	---
SFUS	65	129870	---	---	6000	6000	6000	---	07	---
Soc. Work	78	122000	58000	212	3812	90000	400000	5126	30	---
Zoology	114	---	---	316	17000	8500	18000	---	---	---
Braille	60	12570	---	195	72000	2656	---	---	---	---
Computer Centre	---	50000	---	320	150	300	400	08	08	---
LC-I	1881	630000	280000	1760	160000	250000	180000	255	49	---
LC-II	161	330000	165000	1480	42000	40000	38000	62	31	---
NCWEB	1390	130000	---	300	6000	---	---	---	---	---
WSDC	53	49672	---	---	840	---	6000	05	04	---
South Zone	51	56625	---	66	1150	2420	---	---	---	---
<b>Total</b>	<b>30563</b>	<b>24909717</b>	<b>43112470</b>	<b>20387</b>	<b>1461285</b>	<b>1115444</b>	<b>2715318</b>	<b>322552</b>	<b>1544</b>	<b>1242</b>

Books as on 31.3.2010	-	1499983
Books added during the year	-	30563
Books write off 2010-11	-	1242
Total No. of books as on 31.3.2011	-	1529304

## WOMEN'S STUDIES & DEVELOPMENT CENTRE

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Marriage, Autonomy and Engendered Violence : A Gender and decision making power in the Public arena : a comparative study of India and Sri Lanka.	Prof. Vibha Chaturvedi Dr. Manjeet Bhatia Prof. Vibha Chaturvedi Dr. Madhumita Biswal Ms. Shelly Tara	Women's Studies & Development Centre, D.U. Study of North West India. Indo-Sri Lanka Foundation and Women's Studies and Development Centre of India

### 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 held

A three days International Seminar was organized by Women's Studies and Development Centre on 'In the name of Honour: A Dialogue on Androcentric Matrimonial Practices and Women's Subjugation in South Asia'.

A National level Seminar was held by the Centre in collaboration with Indian Institute of Mass Communication and Draupadi Trust on the theme 'Policy for proactive use of Mass Media and different Communication Channels for Gender Equality and Sensitization'. It was sponsored by National Commission for Women.

### **Seminars/Conferences attended**

**Dr. Manjeet Bhatia:** Participated in an International Seminar organized by UNESCO 'Gender, Peace, Disaster and Climate Change: The Third Meeting of the Women's/Gender Studies Network in Asia-Pacific' at Bangkok. She presented a paper on 'Women's Studies in India: a Critical Appraisal'.

**Prof. Vibha Chaturvedi:** Participated as a discussant in a Seminar organized by Economic Research Foundation.

Chief Guest and chaired a session in a Seminar 'The portrayal of Women in Contemporary Media: A Curse or a Boon' at Ambedkar College, Delhi University.

Make a presentation at UGC sponsored National Seminar on Inclusive Social Development: An Inter-Disciplinary Perspective at Ambedkar College.

Chaired a session in the NCW sponsored National Seminar organized by Sociology Department, Jamia Millia Islamia University on Muslim Women and their contribution in society.

**Dr. Madhumita Biswal:** Presented a paper in Women's Studies Conference at Wardha, Maharashtra.

## **DIRECTORATE OF HINDI MEDIUM IMPLEMENTATION**

### **New Books**

*Prachin Bhartiya Dharma* (Ancient Indian Religions) by Dr. Anand Singh.

*Adhunik Europe ka Itihas: Ayam avam Dishyan* et.al. by Devesh Vijay, Meena Bhardwaj, Vandana Chaudhari.

*Bhartiya Rajnitik Chintan: Pramukh Avdharnanie avam Chintak* edited by Dr. Ruchi Tyagi

*Itihas: Kyon-Kya-Kaise* by Dr. Lal Bahadur Verma.

*Rog Vibodh Mishrabani* by Dr. Ragni Trivedi.

*Ucchatar Siksha ke Badalte Ayam* by Dr. Asha Gupta.

### **Participation at the following International and National book fairs:**

Amritsar Book Fair from 8-11 April 2010.

Lucknow Book Fair from 3-10 October 2010..

Raipur Book Fair from 2-10 October 2010.

Allahabad Book Fair from 15-23 January 2011.

Patna Book Fair from 21-29 March 2011.

Indian History Congress, Arts Faculty, Delhi University from 15-17 May 2010.

Faculty of Arts, Delhi University from 25-27 March 2011.

Music Faculty, University of Delhi from 15-16 March, 2011.

### **Seminars/Conferences attended**

**Dr. Asha Gupta:** Organized a Workshop in collaboration with CSTT, New Delhi on Scientific and Technical Terminology, University of Delhi, 8 April 2011.

Made a poster presentation on 'From the Nation State to Global Governance: A Shift in Paradigm' at ISA Annual Convention held at Montreal, Canada, 16-19 March 2011.

### **Publications**

#### *Articles*

**Gupta, A.** 'Deemed Universities in India: Confusion Reigns'. *International Higher Education: 63*. 2011. Boston. Spring.

Published a book review on Financing Higher Education: Who pays, Who Should Pay? By Bruce D. Johnstone and Pamela N. Marcucci. *Journal of Educational Planning and Administration: XXIV* (3). July 2010.

'India: the Contribution of the National Assessment and Accreditation Council' in co-authorship with Jagannath Pati! 2010. In Michaela Martin ed. *Equity and Quality Assurance: A Marriage of Two Minds*: 145-173. Paris: UNESCO Series on New Trends in Higher Education.

#### *Books*

*Uchhtar Shiksha ke Badalte Aayam*, New Delhi: Directorate of Hindi Medium Implementation, University of Delhi. 2011.

**Gupta, A.** 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* being published by Sage Publications, New York, USA in 2011.

## **NATIONAL SERVICE SCHEME**

NSS Centre of Delhi University targeted the strength of 14500 volunteers for the academic year 2010-11. There are more than 60 colleges implementing the NSS programme. All these colleges enrolled their students under NSS to achieve the allocated target.

The Colleges were divided into four zones who organized Students Orientation courses. Experts and resource persons from various social organizations and NGOs were invited to motivate and expose the students in social service activities in which they can involve their colleagues regularly.

The NSS Regional Centre, Ministry of Youth Affairs and Sports and the NSS Centre, University of Delhi organized a camp for selection of NSS Volunteers for Republic Day Camp.

SURE society to uplift rural economy, organized Workshop on the theme, Intervention on sensitization of Urban Youth on Adverse Child Sex Ratio and Combating Sex Selection for Enhancing Dignity of the Girl Child in Delhi/NCR.

In many girls colleges, the NSS units with the help of Delhi Traffic Police coordination organized two weeks Self Defence Training Programme for the volunteers.

## UNIVERSITY SCIENCE INSTRUMENTATION CENTRE

### Major Activities

The University Science and Instrumentation Center maintains sophisticated analytical instruments for the researchers and faculty members in various science departments of the University and its affiliated Colleges.

*Few more instruments have been added to the facility*

B.E.T. surface analyzer – Installed

Vibrating sample magnetometer – Installed

Photo luminescence set up (325 nm, 488 nm with temperature attachment (- 196 to 500° C) installed.

Impedance spectroscopy with temperature variation will soon be installed.

### Training Programmes

87 Lab. staff from University Departments and colleges were trained in two batches, (October 2010).

Prof. D.S. Rawat and Dr. N. Thirupathi got advanced training on the NMR instrument in Japan.

Forty five research scholars were trained by Bruker company. A workshop was organized on X-ray diffraction and analysis software, and the use of TOPAS analysis software for our High resolution X-ray diffractometer.

Dr. Madan Gopal from BACR, Mumbai, and Mr. Noel Coreia from M/s. Bruker gave a series of lectures on educating the research scholars on high resolution X-ray diffraction techniques in February 2011.



Dr. Nethaji from Indian Institute of Science, Bengaluru gave lectures and trained 15 research scholars on the analysis of Single crystal X-ray diffraction data, 18-22 March 2011.

Eight Research scholars were trained on FTIR spectrometer by the engineers from Perkin Elmer.

Application scientist from Sentech, Germany trained eight research scholars on the ellipsometer.

Senior engineers from M/s. Icon trained students and staff on the STEM and EDAX facility on the High resolution electron microscope.

Three students from South campus, Department of Electronics completed projects on the use and application of instruments at USIC, and one student from Dhanbad school of mines wrote an application and analysis manual on the use of Ellipsometer facility at USIC.

## **SPORTS COUNCIL**

### **Major Activities**

All India Inter University tournaments organized by Association of Indian Universities for the year 2010-2011. The University of Delhi participated in 53 different sports activities/discipline (M&W) and got various positions.

The Sports Council also organized various Inter college Tournaments. Intensive Training and Coaching Camps were also conducted for its participation in North East Zone/All India Inter University Tournaments.

## **NATIONAL CADET CORPS**

During the year 2010-11, 28,383 Boy Cadets and 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, Para Sailing, Para Training, Nursing, Self grooming, Self Defence, First Aid, Ecology and Poster Training. 39 cadets attended adventure training activities.

## **CULTURE COUNCIL**

### **Major Activities**

The Culture Council is an active statutory cultural body of Delhi University and it reaches out to all colleges and departments of the University.

The Culture Council started its activities by organizing an interactive session/workshop on Street-Theatre for the visiting UK students under the Global Fellowship programme.

'Tantra' is an inter-college Extempore Debate'. The X Tantra was organized on 14 September 2010 at Hindu College. The prizes were given by the Dean, Students' Welfare, Delhi University.

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 an inter-college Ghazal Competition to encourage young talent.

The Culture Council organized the preliminaries of inter-college debate for Indian Association of Parliamentarians on Population and Development on 23 September 2010.

The Culture Council and the Film and Photography Society of Sri Venkateswara College organized an exhibition based on the competitive photos submitted by students across Universities in Delhi.

To promote awareness on Voluntary Organ Donation the Culture Council and Directorate General of Health Service organized on the spot painting competition on 16 November 2010.

The Culture Council organized Wire Sculpture workshop, a novel experiment, on the Activity Centre premises on 7-9 December 2010.

The Culture Council organized a Parliamentary debate in collaboration with India-Sri Lanka Foundation. Students from the University of Colombo and University of Delhi debated on the motion 'In Tagore's philosophy of education aesthetic development is as important as the intellectual'.

### **DELHI UNIVERSITY SOCIAL CENTRE CO-ED. SCHOOL**

The school has strength of nearly 500 students. The school both in academic and extra-curricular activities is shaping as one of the model schools in the area.

Delhi University has given the financial assistance of ₹ 3 lakh to be utilized for infrastructure.

### **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 and clinical services in the WUS Health Centre was 2,49,713. 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.

## **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 every year. This year Approximately 650 students joined the University.

## **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 874, valued at ₹ 1,34,45,463, and 1124 docketts were opened.

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

The Non-Collegiate Women's Education Board, which started functioning in September, 1944 was set-up by an amendment of Delhi University Act in 1943 with three Post Graduate Students with the aim to help and encourage women candidates in post independence era. Now, it is a well established organization with 13 undergraduate and one postgraduate teaching centres spread all over in National Capital Territory of Delhi. During the year 2010-2011, 11107 students availed the benefit of unique system of study through Non-collegiate, out of which 6943 in (B.A. (Programme): 2484 in Part-I, 2235 in Part-II and 2224 in Part-III} and 4164 in (B.Com.): 1548 in Part-I, 1284 in Part-II and 1332 in Part-III} respectively. 27 Professors and Associate Professors were appointed for Post-graduate students on the recommendation of the Head of the concerned subject Department.

The NCWEB provided library facilities to all Non-Collegiate students. Small Libraries are provided at all the Teaching Centres for under-graduate students. The Post-graduate library is located in the Arts Faculty building. The facility of Central Reference Library has been continuing for Post-graduate Non-Collegiate students from the academic session 2008-2009. During the year under reference, as many as 828 Books of Under-graduate courses and 28 Books for Post-graduate courses were added in Under-graduate libraries in the Teaching Centres and Post-graduate library respectively. 230 Books are also added in this year in the NCWEB Book Bank. This year 172 students (100 B.A (Programme) and 72 B.Com} availed the facility of loan of Books for full year from the Book Bank.

In spite of tight schedules of 50 days of teaching, the Non-Collegiate students were given opportunity to participate in several extra curricular activities like Debates, Quiz, Creative Writing competition, Poetry Recitation etc. In almost all the teaching centres. Cultural Activities like Mehendi, Painting, Music, Dance and Sports competitions were held to give the Non-collegiate students exposure to all aspects of college life. To encourage the competitive spirit amongst the Non-Collegiate students, inter-centre activities and competitions, both academic and cultural, were also held in the Teaching Centres. In sports events Non-collegiate students and Teachers/ Research Scholars teaching them took part very enthusiastically. A brief glimpse of all the above-mentioned activities were reflected in the Combined Annual Function, which was held on 27 March, 2011 in Sir Shanker Lal Concert Hall in which honorable Pro-Vice-Chancellor Professor Vivek Suneja, was the Chief Guest. NCWEB magazine "Pratibimb" was also released in this combined Annual Function. The essays, stories and poems, both in English and Hindi written by Non-collegiate students, included in the magazine to express their talents.

## GANDHI BHAWAN

### Major Activities

A summer camp at Kedarnath Dham was held from 27 May to 8 June 2010 under the in-chargeship of Shri C.B. Singh, Yoga Organizer, Gandhi Bhawan. Gita discourse resumed from 25 July 2010, held in Gandhi Bhawan every Sunday after vacations. 25 November 2010 - A declamation contest was held for the college students of Delhi University enrolled with us as Gandhi Study Circles on the topic 'Gandhian Ideas of Simplicity and Selflessness'. 29 November 2010 - Gandhi Parikrama for Global Peace (Kanyakumari to Kashmir). A Gandhi Parikrama was held in Gandhi Bhawan to promote global peace through parikrama as a Yagna/ Tapas and carry forward Mahatma Gandhi's mission of Didi Nirmala Deshpande. 2 December 2010 - Musical Tribute to Mahatma Gandhi was conducted to pay tribute to Mahatma Gandhi. *Raghupati Raghav Raja Ram, Vaishnav Jan Te* was sung by the students of Daulat Ram College and Shyama Prasad Mukherjee College. The programme concluded with Ram dhun.

Gandhi Darshan Yatra to Sevagram/Wardha - 23 Decembere 2010 - 2 January 2011: A selection committee consisting of Prof. Ashum Gupta, Director, Gandhi Bhawan, Dr. Tanuja Agarwala, Member, Managing Committee, Dr. H.P. Gangnegi, Member, Managing Committee and Yogacharya Shri C.B. Singh, the then Yoga Organizer, Gandhi Bhawan, selected the prospective participants for the yatra. A total number of 15 students were taken to Nai Talim Samiti, Sevagram.

Gandhi Walk: A Gandhi walk was organized by an NGO for children in collaboration with Gandhi Bhawan on 28 January 2011 in which around 21 children marched to the Harijan Sevak Sangh, Kingsway Camp. Message of peace and address to audience was given by Prof. Vivek Suneja, Pro-Vice-Chancellor, University of Delhi. Certificates were distributed to the participants of Gandhi Darshan Yatra on this occasion. 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. Talks on topics like Gandhian thought, economics, politics, social services, environment, etc. were presented on DU FM 90.4 by Prof. Ashum Gupta, Director, Gandhi Bhawan and eminent personalities.

### **Seminars/Conferences held**

Stress Management through Yoga-Meditation, a workshop was held in collaboration with Department of Adult, Continuing Education & Extension, Delhi University held at Gandhi Bhawan. Speakers Prof. Ashum Gupta, Director, Gandhi Bhawan, Yogacharya C.B. Singh, Yoga Organizer, Gandhi Bhawan. Prof. Ashum Gupta spoke about psychological aspect of stress management and Yogacharya C.B. Singh spoke about Pranayama, Diet & Meditation, 28 October 2010.

A Panel Discussion on the topic 'Dialogue vs. Debate: Gandhian Perspective' was organized. The eminent speakers on this occasion were Dr. Y.P. Anand, Ex-Director, National Gandhi Museum, Rajghat, New Delhi and Ex-Chairman, Railway Board, Ministry of Railways, Govt. of India, Shri Rajiv Vora, Chairman, Swarajpeeth. Prof. Malashri Lal, Director, South Campus, University of Delhi was Chief Guest, 30 November 2010.

## **INTERNATIONAL GUEST HOUSE**

Special catering arrangements were provided to 15500 persons on account of 629 requests of Lunch/Dinner/Hi-Teas/Conferences/Meetings/Seminars during the said period.

During this period, 1859 guests were provided accommodation and mess facilities.

## **UNIVERSITY EMPLOYMENT INFORMATION & GUIDANCE BUREAU**

### **Major Activities**

The University Employment Information & Guidance Bureau is rendering service to students as well as others in the field of career guidance, information on employment opportunities, various public examinations for employment and admission to various academic and professional courses. During the year, 6844 candidates registered through Guidance Bureau and 6400 candidates registered through online.

## **GARDEN COMMITTEE**

### **Major Activities**

The 53rd Annual Flower Show was organized on 25-26 February 2011 in the lawns of the Mughal Garden. More than 3000 exhibitors participated in the show. Running cups/trophies totaling 65 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 D Block, Maurice Nagar.

Development of New Lawn at C-12 Block, Maurice Nagar.

Renovation of Lawn at 8, Cavellary Lane.

Plantation of 8500 hedge plant with protected PVC mesh at the Mughal Garden.

## **AMBEDKAR-GANGULY STUDENTS' HOUSE FOR WOMEN**

### **Major Activities**

The session 2010-2011 started with the formation of the Students' Welfare Association. During this period, various activities were held in the hostel with the help of the elected SWA executive members and hostel authorities.

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 25 February, 2011 with pomp and show Ms. Lokesh Sharma, social activist was the Chief Guest on this occasion.

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

### **Major Activities**

The garden of the hostel was upgraded to increase the beauty of the hostel. For security reasons fire extinguisher and the CCTV cameras were installed in the hostel.

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

## **GEETANJALI HOSTEL**

### **Major Activities**

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 4 March 2011. The residents were also imparted training on WENLIDO, personal safety tools for women taught by women by trained facilitators from an NGO.

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

## **INTERNATIONAL STUDENTS HOUSE**

### **Major Activities**

During the year the hostel marked by the improvement of services to the residents as well as staff members as many outstanding problems and the following long pending demands were successfully completed.

A fully A/C reading room facility provided to the residents.

The Hostel is totally Wi-fy through DU Computer Centre server.

The beautification work of front lawn has been completed.

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

## **INTERNATIONAL STUDENTS HOUSE FOR WOMEN**

### **Major Activities**

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

## **JUBILEE HALL**

### **Major Activities**

Jubilee Hall is a prime hall of residence for full-time post graduate and research students of the University of Delhi. To maintain its glory this year too a number of residents were selected for the IAS, IPS and other All India Competitive services of the Govt. of India.

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

## **MANSAROWAR HOSTEL**

### **Major Activities**

The Mansarowar hostel is a post-graduate hostel for men with the capacity to accommodate 167 residents coming from various parts of India for higher studies in Delhi University. The hostel is organizing freshers' party and New Years' day inviting alumni and other guests.

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

## **MEGHDOOT HOSTEL**

### **Major Activities**

The hostel night 'Meghyamini' was celebrated on 16 February 2011. For the first time a self-defence programmed was organized in conjunction with Delhi Police Cell in the hostel lawns.

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

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

### **Major Activities**

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 19 October 2010. Dr. Meeta Pandit performed before a large audience.

## **P.G. MEN'S HOSTEL**

### **Major Activities**

A number of academic and cultural activities organized in the hostel.

Debate on: Smaller States and Better Administration.

Annual Ajit Singh Yadav Debate Morality and Transparency Internal to Democracy.

Lecture by Sh. Jitender Sharma, Sr. Advocate of Supreme Court on 'Is It Time to Judge the Judge?'

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

## **UNIVERSITY HOSTEL FOR WOMEN**

### **Major Activities**

The University Hostel for Women is an important landmark of Delhi University. Home to over 350 students hailing from various parts of India and abroad, the hostel provides ample opportunities and occasions for blossoming of the resplendent spirit of womanhood.

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



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

### **Major Activities**

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 11 March 2011 in the hostel premise.

## **WUS UNIVERSITY HOSTEL**

### **Major Activities**

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.





# DEPARTMENTS



# FACULTY OF ARTS

## ARABIC

### Major Activities

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

The Department has been successfully organizing National Seminars 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.	-	3
M.Phil.	-	3

### Seminars/Conferences held

Special lecture on 'India and Indians in Arabic Literature' sponsored by NCPUL, organized by the Department of Arabic, 22 March 2011.

National Seminar on 'Novel Literature in the Second Half of the 20<sup>th</sup> Century' organized by the Department of Arabic, University of Delhi, 22-23 March 2011.

### Seminars/Conferences attended

**Prof. M.N. Khan:** National Seminar on Syllabus of Indian Universities, Review and Revision in the light of present need, JMI, New Delhi, participated in Discussions and discourses presented some vital suggestions regarding the topics, 22-23 February 2011.

Delivered first Prof. Rafique Memorial Lecture on 'Indo-Arab Relations at Allahabad University', Allahabad, 3 March 2011.

**Dr. Wali Akhtar:** National Seminar on 'Ibn-u-Zurair: A Writer and a Poet', Centre for Arabic and African Studies, Jawaharlal Nehru University, New Delhi, 8-9 November 2010.

National Seminar on 'How to teach Arabic Morphology in a graded method', Department of Arabic, Jamia Millia Islamia, New Delhi, 22-23 February 2011.

International Seminar 'Islamic Architecture in India' jointly organized in Riyadh by the Embassy of India, and the Ministry of Culture & Information, Government of the Kingdom of Saudi Arabia on the sidelines of the Riyadh International Book, 1-10 March 2011.

**Dr. Naimul Hasan:** 'Style of Abdul Hameed Jaudah al-Sahhar in his books on the prophet's life' an article presented in National Seminar organized by the Department of Arabic, AMU, Aligarh.

Presented an article 'Use of computer and Audio-Video means in Advanced translation', National Seminar, organized by Jamia Millia Islamia, 22-23 February 2011.

**Prof. M.S. Ashraf:** Delivered and participated in the lecture on 'India and Indians in the Arabic Literature', organized by the Department of Arabic, 22 March 2011.

Participated in the lecture on 'Arabic literature in the 2<sup>nd</sup> half of 20<sup>th</sup> Century' National Seminar, organized by the Department of Arabic, University of Delhi, 22-23 March 2011.

## **Publications**

### *Books*

**Khan, M.N. and Others 2010.** (1<sup>st</sup> ed.) '*Minahâj al-Talîm al-Thânawî*' (A Textbook for Arabic (Class X), CBSE, New Delhi.

**2011.** (1<sup>st</sup> ed.) '*Minahâj al-Talîm al-Thânawî al-Ali*' (A Textbook for Arabic (Class XI), CBSE, New Delhi.

**2011.** (1<sup>st</sup> ed.) '*Minahâj al-Talîm al-Thânawî al-Ali*' (A Textbook for Arabic (Class XII), CBSE, New Delhi.

**Nadwi, W.A. 2010.** *BAL-001 Basics of Arabic* (Reading and Writing-III), Indira Gandhi National Open University, School of Foreign Languages, New Delhi.

### *Research Articles*

**Khan, M.N. 2010.** Khattabi ki 'Kitab Bayan I'jaz al-Qur'an' aur Prof. Abdul Alim, *Ma'arif*, Azamgarh, Vol.186, Issue 4, October.

**2010.** Professor Mukhtaruddin Ahmad Arzu: *Rk Azim Danishwar*.

**2010.** *Al-Noor al-Safir an akhbar al-Qarn al-Ashir, Thaqaafat al-Hind*, ICCR, New Delhi, Vol. 61, Issue 1.

**2010.** 'Arabi Matan ki Tadwin: Usool-o Masa'il', Rampur Raza Library Journal, Rampur, Issue 20-21.

**Akhtar, W. 2011.** 'Lamentation of Cities and States in the Andalusia Poetry'. The Arab in Spain (ed. Dr. K. A. Qasmi and others) 515-522. Department of Arabic, Aligarh Muslim University, Aligarh.

**2011.** 'Islamic Architecture in India'. India's role in Propagation of Arabic Heritage (ed. Islahi, H.R.) 323-41. *Kitab al-Arabia*, Kingdom of Saudi Arabia, Riyadh.

**Hasan, N. 2011.** 'Style of Ibn Shohaid in his book: al-Andalusi al-Tawabe wa al-Zawabe' (a critical and analytical study), presented in National Seminar organized by the Department of Arabic, Aligarh Muslim University, Aligarh, published by Muslim University Press, Aligarh, 17-18 February 2011.

## BUDDHIST STUDIES

### Major Activities

The Department has completed the ASIHSS Program on 31 March 2011 and the DSA Program both under UGC successfully which was awarded after completion of DSA program (Phase-II) for another five years. It also organized two Field cum Educational Tours. The first was to some of the North East Route (Malbazar-Garumara-Samsing Suntalekhola-Lava-Loleygaon-Kalimpong) and second to Buddhist sites in Gujarat i.e. Ahmedabad, Palitan, Talaja Buddhist caves, Sana Buddhist caves, Somnath, Junagadh, Ashok Edict and Caves, and Khambhalida Buddhist caves.

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

Ph.D.	-	2
M.Phil.	-	12

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
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. K.T.S. Sarao:** Conferred Doctor of Letters honoris causa conferred by the P.S.R. Buddhist University, Phnom Penh (Cambodia) in a Special Convocation on 7 March 2011.

**Dr. Ram Kumar Rana:** Appointed Academic Co-ordinator of an International Buddhist Conference organized by Indian Council for Cultural Relations, New Delhi, at Kandy, Sri Lanka together with the Ministry of External Affairs and the Ministry of Buddhasasna and Religious Affairs of Sri Lanka, 20-21 March 2011.

Appointed Chairperson of an Academic Session at National Seminar on 'Heritage of Nalanda: Icons and Symbols; *Thoughts and Literature*' organized by Nav Nalanda Mahavihar, Nalanda, Bihar, 11-13 February 2011.

Appointed Member of Academic Council and member Board of Studies of Nav Nalanda Mahavihar, Deemed to be University, Nalanda, Bihar.

### Seminars/Conferences attended

**Prof. K.T.S. Sarao:** Presented a paper entitled 'Indo-Greeks, Pucyamitra CEuEga, and the Decline of Buddhism in India' at the National Seminar on Greece beyond Greece (With

Special Reference to Vedic, Greek, and Iranian Parallels: The Cultural Triangle, jointly organized by School of Language, Literature, and Culture Studies, JNU, Special Centre for Sanskrit Studies (JNU), and Indian Society of Greek and Roman Studies, JNU, 17-19 April 2010.

Presented a paper 'Building a Buddhist Heaven in Taiwan: Cheng Yen's Weltanschauung' at the International Conference on Buddhist Heritage and Tradition in East Asia and South East Asia, jointly organized by the Indian Embassy in Seoul, Indian Council of Cultural Relations and Dongguk University, Seoul, S. Korea, 10-11 May 2010.

Chaired a session at the Sixth Biannual International Conference on Buddhist Meditation: Texts, Tradition, and Practices, jointly organized by K.J. Somaiya Centre for Buddhist Studies, Indian Council for Cultural Relations, Vietnam Buddhist University, Nava Nalanda Mahavihara, Mumbai, 3-5 September 2010.

Moderated a session at the First International Conference on Buddhist Heritage in South East Asia, organized by the Royal Academy of Cambodia, Phnom Penh, 3-4 December 2010.

Delivered a keynote lecture entitled 'Role of the Buddhist SaCgha in Today's Globalizing World' at the Annual National Conference of the Cambodian Buddhist SaCgha, jointly organized by the Preah Sihanouk Raj Buddhist University and the Ministry of Culturs and Religions, Phnom Penh, Cambodia, 3-4 January 2011.

'Buddhism and Leadership in the Context of Globalization,' Workshop jointly organized by UNESCO Youth for Peace and Cambodian Institute for Cooperation and Peace, Phnom Penh, Cambodia, 28-31 March 2011.

'Meat-Eating and Related Issues in Buddhism', Sahu Ram Swaroop Girls' College, Bareilly, 13 September 2010.

'The Decline of Buddhism in India', Preah Sihanouk Raja Buddhist University, Battambang Campus, Battambang, Cambodia, 18 November 2010.

'Management and Economics with Buddhist Morals', University of Management and Economics, Battambang, Cambodia, 18 November 2010.

'Buddhist Economics: Where People not Goods Matter,' Paññâsâstra University of Cambodia, South Campus, Phnom Penh, Cambodia, 13 January 2011.

'Youth, Buddhism, and Modern Globalization', Institute Bouddhique, Phnom Penh, Cambodia, 11 March 2011.

'Role of Buddhism in Globalizing World', Royal Academy of Cambodia, Phnom Penh, Cambodia, 17 March 2011.

'Buddhism and Business Ethics', Build Bright University, Phnom Penh Center, Phnom Penh, Cambodia, 28 March 2011.



**Prof. Bhikshu Satyapala:** Moderator and attended International Buddhist Conference on the United Nations Day of Vesak on the theme 'Global Recovery: A Buddhist Perspective' UNDV Conference organized by ICUNDV and Mahachulalongkornrajavidyalaya University, Bangkok, Thailand, 23-25 May 2010.

Academic Coordinator of the Academic Programme and Attended International Seminar on the theme jointly organized by the Indian Embassy and The Royal Academy of Cambodia through ICCR.

**Dr. Ram Kumar Rana:** Presented a paper 'Venerable Buddhaghosa's view on Morality as Depicted in the Visuddhimagga' at an International Buddhist Conference organized by Indian Council for Cultural Relations, New Delhi, at Kandy, Sri Lanka together with the Ministry of External Affairs and the Ministry of Buddhasasna and Religious Affairs of Sri Lanka, 20-21 March 2011.

Presented a paper 'Impact of Nalanda Tradition on Faxiang School' at National Seminar on Heritage of Nalanda: Icons and Symbols; Thoughts and Literature, organized by Nav Nalanda Mahavihar, Nalanda, Bihar, 11-13 February 2011.

**Dr. Arvind Kumar Singh:** Presented a paper 'Rediscovering the Lost Glory of Nalanda: An Indian Renaissance' at National Seminar on Heritage of Nalanda: Icons and Symbols; Thoughts and Literature, organized by Nav Nalanda Mahavihar, Nalanda, Bihar, 11-13 February 2011.

Attended Conference on 'Revival of Buddhism at Global Level and its Possible Impact to World Culture' organized jointly by Indian Council of World Affairs, New Delhi, Department of Buddhist Studies, University of Delhi and Institute of Chadian Studies, Jinan University, Guangzhou, at Sapru House, New Delhi, 17 November 2010.

Presented a paper 'Global Concern to Climate Change: A Buddhist Response' an International Buddhist Conference on the United Nations Day of Vesak on the theme 'Global Recovery: A Buddhist Perspective' UNDV Conference Volume published by ICUNDV and Mahachulalongkornrajavidyalaya University, Bangkok, Thailand, 23-25 May 2010.

## **Publications**

### *Books*

**Sarao, K.T.S.** *The Origin and Nature of Ancient Indian Buddhism*, (3<sup>rd</sup> Rev. Ed.), New Delhi: Munshiram Manoharlal, 2010 (HB: ISBN 978-81-215-1211-4; PB: ISBN 978-81-215-1222-0).

**2010.** *Urban Centres and Urbanisation as Reflected in the Pāli Vinaya and Sutta Pimakas*, (3<sup>rd</sup> Rev. Ed.), New Delhi: Munshiram Manoharlal, (HB: ISBN 978-81-215-1209-1; PB: ISBN 978-81-215-1223-7).

**2010.** कैलाश-मानसरोवर तीर्थयात्रा: भारतीय मार्ग (*Kailāsa-Mānasarovara Tīrthayātrā: Bhāratīya Mārga* in Hind), New Delhi: Vidyanidhi Prakashan, (ISBN: 978-93-80651-16-3).

**2011.** *The Decline of Indian Buddhism: A Fresh Perspective*, New Delhi: Munshiram Manoharlal, (ISBN: 978-81-215-0958-9).

*Research papers and Articles*

**Sarao, K.T.S.** 'Western Tibet: A Pilgrim's Impressions,' *Dialogue*, A Journal of Astha Bharati, New Delhi, Vol. 11, No. 4, April-June 2010: 85-107.

'Da Tang Xiyuji and Other Chinese Sources on the Decline of Buddhism in India,' in Pant, P.K. and Thapa, S. (eds.), *The Icon of Cultural Linkage with China*, Kathmandu: Nepal China Society, 2010: 181-214.

'Six Mahânagaras of the Time of the Buddha: Then and Now,' in Liao Zhao-yu (ed.), *Chuan yue cang liang—silu zhongyin wenhua jiaoliu zhan shenyun*, Xiyu Wenhua Yanjiusuo, Beijing: Wenhua, 2010: 221-245.

'Xuanzang to Akbar: An Examination of the Decline of Buddhism in the Kashmir Valley,' *The Journal of Kashmir Studies*, A Journal of the Institute of Kashmir Studies, University of Kashmir, Srinagar, Vol. IV, No. 1, 2010: 22-38.

'Bhârūkaccha, Dvâravatî, and Sîhapura: Three Important Cities of Gujarat as Known in Early Indian Buddhism' in Lalji Shrivak (ed.), *The State of Buddhism, Buddhists and Buddhist Studies in India and Abroad*, Varanasi: Banaras Hindu University, Department of Pâli and Buddhist Studies, 2011: 217-228.

'BrâhmaGical-Hindu and Buddhist Conversions to Islam in India: An Examination of General Trends with Special Reference to Eastern India,' *The Indian International Journal of Buddhist Studies*, Vol. XII, 2011: 51-69.

**Satyapala, B. 2010.** 'Sangiti Tradition and Pali Literature'. Paper Presented at Sangitis Buddhist Councils: Perspectives and Prospects' in the '*Buddhist Studies*', Vol. XXXVII, (ed.) Bhikshu, Satyapala. 132-149. University of Delhi.

**Singh, A.K. 2010.** *Global Concern to Climate Change: A Buddhist Response*. In the proceedings of an International Buddhist Conference on the United Nations Day of Vesak on the theme 'Global Recovery: A Buddhist Perspective' UNDV Conference Volume published by ICUNDV & Mahachulalongkornrajavidyalaya University, Bangkok, Thailand, 23-25 May 2010: 14-26.

**2010.** 'The First Buddhist Council as Depicted in Different Accounts' in the '*Buddhist Studies*' Vol. XXXVII, ed. Bhikshu, Satyapala. 132-149. University of Delhi.

## ENGLISH

### Appointments of Faculty members to higher Posts/Assignments

**Dr. Subarno Chattarji:** National Selection Committee, Fulbright-Nehru Senior Research Fellowships; Editorial Advisory Board for Orient Blackswan series on Journalism Studies.

**Dr. Tapan Basu:** Visiting Fellow under the DSA programme at the Department of English, University of Hyderabad.

**Dr. Raj Kumar:** Examiner for M.Phil. and Ph.D. in Universities such as JNU, Jamia Millia Islamia, Delhi and EFLU, Hyderabad.

**Dr. Nandini Chandra:** Workshop to conceptualise the curriculum for Centre for Children's Literature initiated by Eklavya, Bhopal; Panelist at the Delhi Launch of *Bhimayana* by Navayana, 16 February, IIC, New Delhi.

**Prof. Harish Trivedi:** Chairperson, Indian Association for Commonwealth Literature and Language Studies; Vice-President, Comparative Literature Association of India; Member of the Executive Board, Stockholm Collegium of World Literary History; Co-ordinator (one of six from around the world) for writing a History of World Literature, an international project based in Stockholm; Nominated Member 'Person of Eminence in the Field of Literature' of the General Council of the Sahitya Akademi the National Academy of Letters, New Delhi; Member of the Governing Board, National Translation Mission of the National Knowledge Commission.

Member of the Editorial /Advisory Boards of the following refereed journals:

*Postcolonial Text* (Canada); *Orbis Litterarum: International Review of Literary Studies* (Denmark) *Target: International Journal of Translation Studies* (Israel); *Atlantis: Journal of the Spanish Association of Anglo-American Studies* (Spain); *Transnational Literature* (Australia); *1616* (Spain) ; *ZAA* (Germany).

**Prof. Malashri Lal:** UGC Nominee for DSA grants to Hyderabad University, Calcutta University and Jamia Millia Islamia; Governor of Rajasthan's nominee on the Board of Kotah Open University, Kotah, Rajasthan; Member, Expert committee on Indian Council of Cultural Relations, Govt. of India, (ICCR) on Tagore's 150<sup>th</sup> birth year programmes.

**Prof. Shormishtha Panja:** Visiting Professor, Indian Institute of Advanced Study, Shimla; Member, Senate, Indian Institute of Technology, Mandi; Member, Board of Research Studies, IIS University, Jaipur; President, Shakespeare Society of India; Member, Project on Oral Narratives, University of Bergen and Makerere University, Uganda; Member, International Steering Committee, Theatre Without Borders; Activities for Shakespeare Society of India; Organisation of first DU intercollegiate Shakespeare drama festival; Setting up of blog, [www.shakespearesocietyofindia.wordpress.com](http://www.shakespearesocietyofindia.wordpress.com); Activities for PEHEL: Delhi University Women's Support Group; Co-ordinate PEHEL Yahoo group; Co-ordinate off-campus housing database for women students at the Univ. of Delhi; Organize talk by Jayati Ghosh, Prof. of Economics, JNU, on academic activism; Co-ordinate questionnaire for women staff at the University of Delhi; Co-ordinate annual PEHEL Mela, Arts Faculty, University of Delhi featuring street plays on honour killings; Co-ordinate annual PEHEL Newsletter.

**Prof. Sumanyu Satpathy:** Appointed expert member on the Advisory Committee to revise the Acharya and the Shastri Syllabi in English at the Central University of Tibetan

Studies; Invited by *Thesis Eleven* to negotiate on behalf of the University of Delhi for possible academic collaboration with La Trobe University, Melbourne; Invited by the Department of English, University of Surrey to negotiate on behalf of the University of Delhi for possible academic collaboration and academic exchange.

**Prof. Udaya Kumar:** Member, Leverhulme Network on Postcolonial Translation, involving collaboration between faculty members in Delhi University, Delhi; Jawaharlal Nehru University, New Delhi; School of Oriental and African Studies, London; and Newcastle University, Newcastle; Leverhulme Visiting Professor, School of English Literature, Language and Linguistics; Member, Board of Studies, Department of English, Jamia Millia Islamia.

**Prof. Sambudha Sen:** Re-elected as member of Advisory Board, Victorian Studies.

**Dr. Brinda Bose:** Jury Member, *The Hindu* Literary Fiction Award 2010; Secretary, Indian Association of Commonwealth Literature and Language Studies (IACLALS), 2011; Expert Committee, new MA Programme in Gender Studies, IGNOU, New Delhi.

**Dr. Ira Raja:** Appointed Associate Editor, *South Asia* – a Taylor and Francis journal; Commissioning Editor, *Thesis Eleven*.

**Dr. Christel Dewadawson:** Consultant on MA English programme, Ambedkar University, Delhi.

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

**Prof. Harish Trivedi:** Talks 'India and the World: Civilizational Contestations', World Cultures and Civilizations, City University, Hong Kong 29 November-1 December 2010.

'Eleven Lives of the Buddha,' paper presented at the Baptist University, Hong Kong, 2 December 2010.

**Prof. Malashri Lal:** Talks 'Managing Diversity: Oral Cultures as resource', University of British Columbia, Vancouver, Canada. 5-9 May 2010.

'Oral narratives of Rajasthan'. Green College Coach House, University of British Columbia, Vancouver, Canada. 5-9 May 2010.

'Ismat and Manto, Life Times and Legacy', India Habitat Centre. 27-28 August 2010.

'Sultana's Dream and Tagore's Nightmare: A Gender Perspective on Dreams for Social Change'. National Seminar on 'Dreamcatchers: Literature, Creativity and Analysis'. Sahitya Akademi, Udaipur, 9-11 December 2010.

'Tagore and the 'Feminine': Impossible Loves and Possible Ideals.' National Seminar on 'The English Writings of Tagore', Cochin, 24-27 February 2011.

Invited to plan India-Bangladesh symposium on Tagore, January-May 2011.

'Contemporarizing Tagore and the World.' Paper on 'The Feminine in the Tagore's Oeuvre'.

Invited to plan Hungary-India Conference on Tagore, 2011. 'Rabindranath Tagore's Writings and Art beyond Bengal'.

**Prof. Shirshendu Chakrabarti:** Talks 'Tagore's Experience of Russia 1931', 3<sup>rd</sup> International Conference—India and Russia in the Third Millennium: Dialogue of Cultures, Indapryal Association of Teachers of Russian Language and Literature in collaboration with Rossotrudnichestvo and Mapryal at the Russian Centre for Science and Culture on 16 September, 2010.

'Tagore's fiction', Indraprastha College, Delhi.

**Prof. Shormishtha Panja:** Talks 'Sensuous Classicism: Raja Ravi Varma's Ramayana' The *Ramayana* and the Visual Imagination, India Habitat Centre, February 2011.

'Indian Feminism' Indian Institute of Advanced Study, Shimla, November 2010.

'Shakespeare and India' Indian Institute of Advanced Study, Shimla, November 2010.

'Shakespeare on the Indian Stage' Platinum Jubilee Lecture, BHU, October 2010.

'India and Oral Narrative: Second Lap of Project' Makerere University, Uganda, April 2010

**Prof. Sumanyu Satpathy:** Talks 'Dialogue between Bharat and India: Negotiating the Two Indias in the Context of Indian Literature' at a Sahitya Akademi Meet in NEHU, Shillong, June 2010.

'Milton and Vernacular History Writing,' Department of English, University of Hong Kong, October 2010.

'English Language and Literature Teaching in Multilingual Contexts' at the Goethe University, Frankfurt, December 2010.

**Prof. Alok Rai:** Talks Conference on Agyeya at University of California, Berkeley, 11–13 February 2011.

Plenary speaker at the Postcolonialism Conference at New York University, March 2010.

Conference on Satire at Heidelberg University, 2010.

**Prof. Sambudha Sen:** Talks 'Radical Expression and the Domain of the Literary in Early Nineteenth Century Britain' at a Seminar on 'The Toiling Muses: Cultures of the Working Class', K.M. College, 27-28 November, 2010.

'Urbanizing the Vision: Technology and the making of an Urban Aesthetic' in La Trobe University, Australia, June 2011.

**Professor Udaya Kumar:** Talks Workshop on Translation, Migration and Modernity organized by the Leverhulme Network on Postcolonial Translation at Newcastle University, United Kingdom, May 2010.

Seminar at Lincoln School of Humanities and Performing Arts, University of Lincoln, United Kingdom. Title of paper: 'Disciplining Taste: Drama and the Literary Field in Nineteenth Century Kerala', May 2010.

Seminar at the Department of English and Related Literatures, University of York, United Kingdom. Title of Paper: 'Autobiography and the Postcolonial: An Indian Postscript.' June 2010.

Twelfth Annual Conference of the Modern Studies Association on 'Modernist Networks', held at Victoria, Canada. Participated in Plenary Roundtable on 'How is modernism Global?' November 2010.

International workshop on 'Subalterns and Dalits in the work of Antonio Gramsci and B.R. Ambedkar', School of Oriental and African Studies, London. Title of Paper: 'Consciousness, Agency and Humiliation: Reflections on Dalit Writing and Subalternity.' December 2010.

International Conference on 'Postcolonial Translation: Multidisciplinary Perspectives from South Asia' organized by the Leverhulme Network on Postcolonial Translation at India International Centre, New Delhi, January 2011.

Cultural Studies Workshop organized by the Centre for Studies in Social Sciences, Calcutta on 'Empire, Nation and Cosmopolitanism' at Jaipur. Presentation on 'The Idea of Cosmopolitanism.' January 2011.

International Colloquium on 'Thinking, Performative and Writing Bodies' organized by Attakkalari Centre for Performing Arts, Bengaluru, January 2011.

International Conference on 'Postfeminist Postmortems?: Gender, Sexualities and Multiple Modernities.' Title of Paper: 'Spectral Transactions: Memory and Masculinity in C. Ayyappan's World.' February 2011.

Delivered the Aparna Baruah Memorial Lecture at Gauhati University. Title of lecture: 'Literature and Identity.' November 2010.

Conference on 'Translating Cultures' organized by the School of Translation Studies and Training, Indira Gandhi National Open University. Title of paper: 'Translation and the Shaping of Literary Publicness in Kerala.' February 2011.

Delivered the Fifth P.K. Rajan Memorial Lecture at the University of Kerala. Title of Lecture: 'Life Writing, Stylization and Questions of History.' February 2011.

**Dr. Christel Dewadawson:** Talks 'Marginalising the Child: Nehru as letter-writer' (CPDHE) November 2010.

'Kinds of Witness in *The Shadow Lines*' (LSR), January 2011.

**Dr. Rimli Bhattacharya:** Talks 'A Clean Slate?' In 'Understanding Tagore: New Perspectives and New Research', Centre for India Studies and Research Centre of Eastern Literature, Peking University, 23-24 August 2010.

'Rhythm in Movement: Rabindranath Tagore, 1920s-1930s' Indian Cultural Centre, Bangkok, 28 August 2010.

'Utsav: people, participation and the nation', Literary Society, Indraprastha College, Delhi, 22 September 2010.

'Bringing back the apsaras or the economy of the erotic'. In 'The Architectures of Erotica: Political, Social, Ritual.' School of Arts and Aesthetics, Jawaharlal Nehru University, Delhi, 12 November 2010.

'The Dancing Poet.' At the 5th National Short & Documentary Film Festival organized by the JDCA Film Forum of the JD Centre for Art, Bhubaneswar, 18 December 2010.

'A moment in performance'. In 'Postfeminist Postmortems? Gender, Sexualities and Multiple Modernities'. Department of English, University of Delhi, 14 February 2011.

**Dr. Brinda Bose:** Talks 'Sexual Minority Rights and Queer Cinema in India'. Critical Approaches to Literature and Culture, Refresher Course, Jamia Millia Islamia, September 2010.

'Taslima Nasreen, Sexuality and Writing'. Centre for Women's Development Studies, New Delhi, December 2010.

'Changing Representations of Women in Indian Cinema'. Representational Realities and Gender Identities, Seminar, Gender Studies Programme, TISS, Mumbai, December 2010.

(with Akhil Katyal) 'Towards a New Aesthetics of Silence: Some Passionate Experiments with Contra-Outing'. Postfeminist Postmortems? DU Department of English International Conference, February 2011.

'Some Notes on Queering the Humanities in the University'. Feminisms of Discontent Seminar, Jindal Global Law School, New Delhi, February 2011.

'The Body Beautiful, the Aberrant and the Grotesque' Festival, 'Literature and the Body' Seminar, St Stephen's College, Delhi, February 2011.

**Dr. Subarno Chattarji:** Talks 'To be made over': Vietnamese-American Re-education Camp Memoirs.' International Conference on 'War Stories: The War Memoir in History and Literature.' University of Newcastle, Australia, 22-24 November 2010.

'Specialisation in Journalism.' Alumni Conference on 'The Changing Role of Journalism.' International Institute for Journalism (Berlin), New Delhi, 12-13 July 2010.

**Dr. Tapan Basu:** Talks 'American Literature in the Age of Barack Obama: Some Reflections on the Impact of Multiculturalism on Literary Studies in America'. Refresher Course on Critical Approaches to Literature and Culture, Academic Staff College, Jamia Millia Islamia, New Delhi, 20 September, 2010.

'American Studies as a Discipline: Its Past, Present and Future'. Refresher Course on Interpretations of Literature at the Academic Staff College, B.P.S. Women University, Khanpur, Sonapat, 25 October 2010.



'The Ghosts in the Rafters: Toni Morrison's *Beloved* and African-American Anxieties about the Heritage of Slavery'. Refresher Course on 'Marginalities, Identity and Literature' at the Institute of Life-Long Learning, University of Delhi, Delhi, 23 November, 2010.

'Religious Conversion and the Anxieties of De-nationalisation: The Case of Babasaheb Ambedkar'. Refresher Course on 'Marginalities, Identity and Literature', Institute of Life-Long Learning, University of Delhi, Delhi, 27 November, 2010.

'Babasaheb Ambedkar's Conversion to Buddhism'. Lalita Subbu Memorial Weekly Seminar, Hindu College, Delhi, 30 November, 2010.

'Dalit Experience Re-Cast(e): Some Reflections on the Translation of Dalit Literature from the Regional Languages Into English'. Workshop on 'Postcolonial Translation: Multi-disciplinary Perspectives from South Asia', Leverhulme Trust, Newcastle (U.K) at the India International Centre, New Delhi, on 7, 8, 9 January 2011.

'The Importance of English Translations of Dalit Writings in India's Regional Languages'. International Seminar on 'English in the Dalit Context', Department of English, University of Hyderabad, 18 - 20 January 2011.

**Dr. Raj Kumar:** Talks 'History, Culture and Identity: A Reading of *Mahima Dharma*' in a national Seminar organized by U.N. Autonomous College of Science and Technology in collaboration with Department of history, Utkal University, Bhubaneswar, 30 Oct. 2010.

'Language, Literature and Translation: A Case of Oriya Dalit Literature' in an international Seminar organized by Leverhulme Trust, UK at India International Centre, New Delhi, 9 January 2011.

'Literature, Language and Pedagogy: A Reading of Oriya Dalit Literature' in a national Seminar organized by Department of English, Hyderabad University, Hyderabad, 19 January 2011.

'The Progressives and the Untouchable Body: Dalit Women in Indian Literature' in an international Seminar organized by the Department of English, Delhi University, 15 February 2011.

'Sita's Curse, Shambuka's Silence: An Interpretation of Indian Myths' in a Seminar organized by Shyam Lal College, Delhi University, 15 April, 2011.

'Myth, History and Politics: Caliban as the Subaltern Subject' in an international Seminar organized by St. Bede College, Shimla in collaboration with Shakespeare Association India, 22-24 September 2010.

**Dr. Ira Raja:** Talks 'The Elevating Influence of Friendship': Interiority, Sisterhood and Marriage in late 19th century India', ANU, Canberra. [By Invitation], 8 April 2011.

'Intimate Tyranny: The State, Individual Agency and Embodiment in Rohinton Mistry's *A Fine Balance*', Melbourne South Asian Studies Group Seminar, University of Melbourne. [By Invitation], 17 December 2010.



'Can the Subaltern Eat? Modernity, Intimacy and Consumption in the Indian family', Workshop on Gender and Masculinities: Interdisciplinary and Cross-Cultural Perspectives, ANU, Canberra. [By Invitation], 24-25 November 2010.

'The Economy of Desire: R.K. Narayan in *The Illustrated Weekly of India*', La Trobe University, Melbourne, 23 September 2010.

'Intimations of Modernity: Changing Gender Relations in India, 1947-1975.' Asian Studies Association of Australia (ASAA), 18th Biennial Conference 2010, University of Adelaide, Australia, 5-8 July 2010.

'An Intimate History of the Family in Indian Writing in English', The Ninth Annual Israeli Asian Studies Conference, The University of Haifa, Israel, 26-27 April 2010.

**Dr. Baidik Bhattacharya:** Talk 'The Dark Double of History' St Stephens College, 21 February 2011.

**Dr. Nandini Chandra:** Talks 'Solidarity before Critique: Debates on the Working Class in Raymond Williams', at 'The Toiling Muses: Cultures of the Working Class', K.M. College, 27-28 November 2010.

**Dr. Rochelle Pinto:** Talks Archive and Access, a project presentation at Friends of the Archives, National Archives of India, Delhi, 18 February 2011.

'On the subject of land: print genres and the discourse of land in Goa', Commodities And Culture, 1851-1914, Leverhulme Trust International Network, King's College London, University of Exeter, New York University, University of Technology Sydney, Witwatersrand University SA, Jadavpur University, Kolkata, 11-15 January 2011.

'The mundane state - Historians in a state archive', at Properties of the Autonomous Archive, CAMP/Pad.Ma, Mumbai, 7-8 January 2011.

'Memory and the Economy of Land in Goa', History and Memory, Indian Institute of Advances Studies, Shimla, May, 2010.

### **Publications**

**Trivedi, H. 2010.** 'Arguing with the Himalayas: Edward Said on Rudyard Kipling,' in *Kipling and Beyond: Patriotism, Globalisation and Postcolonialism* eds. Caroline Rooney and Kaori Nagai. London: Palgrave Macmillan, 2010.

**2010.** '*Anuvad aur Nirmal Verma ka Desh-Videsh.*' [In Hindi: Translation and Nirmal Verma at Home and Abroad.] Foreword to each of the ten volumes of Czech, Russian and Romanian literature translated into Hindi by Nirmal Verma. New Delhi: Vani Prakashan, pp. 5-27.

**Lal. M.** 'Rabindranath Tagore in Slovenia' *Confluence*, London, Summer 2010.

'Tagore, Imaging the 'Other': Reflections on 'A Wife's Letter' & 'Kabuliwala' Proceedings of Conference held at The University of Slovenia, Lubljana, 18-20 March 2010.

'Tagore and the 'Altar' of Asia's Common Culture: Travels in Persia and Iraq' *Tagore Beyond Frontiers*. ICCR, Kolkata.

**Chakrabarti, S. 2010.** 'Introduction' to *Durgeshnandini* by Bankim Chandra Chatterjee, translated by Arunava Sinha, Delhi: Random House India.

**2010.** 'Introduction' to *Tagore: Three Novellas*, translated by Arunava Sinha, (Delhi: Random House India.

**Panja, S. 2011.** Translation of Rabindranath Tagore's short story, 'Shubha,' in *The Essential Tagore* eds. Fakrul Alam and Radha Chakravarty. Cambridge: Harvard University Press.

**2011.** Translation of Rabindranath Tagore's letter to J.C. Bose in *The Essential Tagore* eds. Fakrul Alam and Radha Chakravarty. Cambridge: Harvard University Press.

**2011.** Translation of excerpt of Rabindranath Tagore's travelogue *In Persia* in *The Essential Tagore* eds. Fakrul Alam and Radha Chakravarty. Cambridge: Harvard University Press.

**Satpathy, S. 2010.** 'Us not US: Post-colonialism and Vernacular Literature' in *Indian English and Vernacular India*, ed. Makarand Paranjape and GJV Prasad. Orient Blackswan.

**2011.** *Tini Manjika: Eka Odiya Nonsense Sankalana*, Bhubaneswar, Book in Oria.

**Sen, S. 2010.** 'Radical Satire and Respectability: Comic Imagination in Hone, Jerrold and Dickens.' in Aruna Krishnamurthy ed. *The Working Class Intellectual and Nineteenth Century Britain*, Ashgate.

**Kumar, U. 2010.** Kant on the Sublime: The Subject and the Question of Difference', *Grounding Morality: Freedom, Knowledge and the Plurality of Cultures*. Eds. Jyotirmaya Sharma and Raghurama Raju. Routledge, New Delhi.

**2010.** Shaping a Literary Space: Early Literary Histories in Malayalam and Normative Uses of the Past. *Literature and Nationalist Ideology: Writing Histories of Modern Indian Languages*. Ed. Hans Harder. Social Science Press, New Delhi.

**2010.** Asadharanamaya Oru Charitram [An Unusual History]. Foreword to Sajitha Madathil. *Malayala Nataka Sthreecharitram*. Mathrubhumi, Calicut.

**2011.** 'Self, Body and Inner Sense: Some Observations on Sree Narayana Guru and KumaranAsan' (1997). Reprinted in *The Indian Postcolonial: A Critical Reader*. Eds. Elleke Boehmer and Rosinka Chaudhuri. Routledge, London.

**Bose, B. 2011.** 'Of Displaced Desires: Interrogating 'New' Sexualities and 'New' Spaces in Diasporic Indian Cinema'. *New Femininities*, eds. Rosalind Gill and Christina Scharff, Palgrave.

**Bose, B. with Chakravarty, P.** 'Minefields of Interdisciplinarity'. *The Hindu*, March 13, 2011.

'Let a Thousand Heretics Bloom'. *The Hindu*, 26 December, 2011.

'English at the Marketplace' *The Telegraph*, 24 June, 2010.

**Chattarji, S.** 'The New Americans': the creation of a typology of Vietnamese-American identity in children's literature.' *Journal of American Studies* (Cambridge University Press), Vol. 44, No. 2, pp. 409-428, May 2010.

**Basu, T.** 'The Alphabet of Indelible Memories' (Translation of an extract from the autobiography, *Mera Bachpan Mere Kandhon Par*, of Dalit writer, Sheoraj Singh Bechain), *Beyond Borders: The SAARC Journal*, Vol. 6, No. 1-2, 2010. Special Issue edited by Ajeet Kour and K. Satchidanandan.

**Majumdar, R.G.** Tagore's play *Roktokorobi* translated from the Bengali into English, by Rupendra Guha Majumdar. In Rabindranath Tagore, *The Essential Tagore*, ed. Fakrul Alam and Radha Chakravarty, Cambridge, Massachusetts: Harvard University Press, 2011, pp. 376-450.

**Kumar, R.** Edited a special issue of *The Creative Forum* (265pages) on Autobiography, Vol. 23, No. 1- 2, January – December 2010.

'Dalit Literature: A Perspective from Below' in *Dalit Assertion in Society, Literature and History* edited by Imtiaz Ahmad and Shashi Bhushan Upadhyay. Orient Black Swan, New Delhi, 2010.

'History, Culture and Identity: A Reading of *Mahima Dharma*' in *Resisting Dominance: Social History of the 20<sup>th</sup> Century Mahima Dharma* edited by Prasant Kumar Pradhan, Mahaveer Prakashan, Bhubaneswar, 2011.

**Raja, I.** *Grey Areas: An Anthology of Contemporary Indian Fiction on Ageing*, ed. Ira Raja, Delhi: Oxford University Press, 2010.

*An Endless Winter's Night: Mother-Daughter Narratives from India*, ed. Ira Raja and Kay Souter, Delhi: Women Unlimited, 2010.

Australia and India: A special issue of *Thesis Eleven: A journal of Cultural Sociology*, co-edited with Trevor Hogan.

With Mridula Chakraborty, 'New Literatures: The Indian Subcontinent and Sri Lanka', *The Year's Work in English Studies*, Oxford: Oxford University Press, 2010. pp. 1075-1095.

'Introduction: Narratives of Ageing', *Grey Areas: An Anthology of Contemporary Indian Fiction on Ageing*, ed. Ira Raja, Delhi: OUP, 2010, pp. 13-31.

'Introduction' with Kay Souter, *An Endless Winter's Night: Mother-Daughter Stories from India*, Delhi: Women Unlimited, 2010, pp. 11-31.

Translation of Usha Yadav's short story, 'Tarpan', published under the title, 'Libations' in *The Lotus Singers: Stories from Contemporary South Asia*, ed. Trevor Carolan. Boston: Cheng & Tsui, 2011.

**Chandra, N.** 'The Amar Citra Katha Shakuntala: Pin-up or Role Model?' *South Asia Multidisciplinary Academic Journal SAMAJ*, 4, 2010.

'Comic Realism', *Hard News*, September 2010.

'Nostalgia and the Sociology of Hindi Film Songs', *South Asian Journal*, 29, July-September, 2010.

'Young Protest: The Idea of Merit in Popular Hindi Cinema', *Comparative Studies of South Asia, Africa and the Middle East*. 30:1, May 2010.

**Pinto, R.** 'A Disrupted Discourse – Race and Civilization within Portuguese Colonialism', in (eds) *Indian Ocean: Eyes Across the Water* UNISA Press/Penguin India, 2010.

'Temporality and Colonialism between Goa and Latin America', (eds) *Global, multiple and peripheral modernities – Theoretical and comparative perspectives*, Zentrum und Peripherie, Rainer Hampp Verlag München.

'Forgetting Pio Gama Pinto', *Portuguese Literary and Cultural Studies*, 19, Parts of Asia. Goa, Macao, East Timor, 2010.

## GERMANIC AND ROMANCE STUDIES

### Major Activities

Annual International Conference on *Figuring the Past: The Literary and Historical Imagination*, 3-5 March 2011. This Conference was the culmination of a course on literature based on the theme '*History and Literature*' conducted for the M.A./M.Phil. students of the Department.

Workshop on Translation conducted by Dr. Radegundis Stolze, Visiting Fellow from Technical University of Darmstadt, Germany, 10, 17, 24 February 2011.

Series of Lectures delivered by Prof. Jose Eduardo Reis, Visiting Fellow from University of Portugal.

Workshop for research scholars organized by the Department in collaboration with the German Research Foundation, 25-27 February 2011.

Lecture on 'Slave Narratives, Neo-Slave Narratives and Indentureship Novels in the Postcolonial Context', Professor Judith Misrahi-Barak, University of Montpellier-3, 14 January 2011.

International Conference on 'Golden Age Literature' in collaboration with Institute Cervantes, 9-12 November 2010.

### M.Phil. Degrees awarded

M.Phil. - 4

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring organization</i>
The 1857 Revolt in the German Language Press and Literature in the European Context.	Prof. Shaswati Mazumdar	R&D
Forms of the Detective Fiction in Hispanic Literature	Dr. Vijaya Venkataraman	R&D

## Programmes taken up involving inter-institutional collaboration

Special Assistance Programme at the level DRS-I.	Prof. Shaswati Mazumdar	UGC
Project based Personal Exchange Programme.	Prof. Shaswati Mazumdar	UGC- DAAD

## Seminars/Conferences attended

**Prof. Vibha Maurya:** ‘Sociología de los refranes Don Quijote’, paper presented at *International Conference on Cultura Hispánica: Literatura y sociedad*, Ain-Sham University, Cairo Egypt, (organized in collaboration with University of Navarra, Pamplona, Spain), 6-7 April 2010.

Coordinator of *I Congreso Ibero-Asiatico de Hispanistas Siglo de Oro e Hispanismo* at University of Delhi, 9-12 November 2010.

‘Don Quijote y Sancho Panza: Imagenes binarias y relaciones dialecticas’ paper presented at *I Congreso Ibero-Asiatico de Hispanistas Siglo de Oro e Hispanismo*, University of Delhi, 9-12 November 2010.

**Prof. Shaswati Mazumdar:** Presented a paper ‘Der indische Aufstand von 1857. Zur deutschsprachigen Rezeption’ at *Congress of the International Association of German Studies*, Warsaw, also panelist in Panel Discussion on ‘Future Questions of German Studies’, July-August 2010.

First International Workshop on *Dynamics of Ressentiment*, University of Potsdam, Germany, 27-30 December 2010.

Second International Workshop on *Dynamics of Ressentiment*, University of Delhi, 25-27 February 2011.

*Figurations of the Past. The Literary and Historical Imagination*. International Conference, Department of Germanic and Romance Studies, University of Delhi, 3-5 March 2011.

**Dr. Kusum Aggarwal:** Presented a paper ‘Waberi ou la fabrique d’une littérature-monde’, at *Abdourahman Waberi ou l’écriture révoltée*, 2<sup>nd</sup> International Colloquium of the LITPOST

(Groupe de Recherche en Littératures et autres Arts postcoloniaux et émergents), University of Barcelona Autonome, Barcelone, 9-10 July 2010.

'Deux interprétations du fait colonial : *La République coloniale. Essai sur une utopie* (2003) de Nicholas Bancel, Pascal Blanchard et Françoise Vergès et *République et Colonie at Entre histoire et mémoire* (1999) de Bernard Mouralis', *Lire les littératures africaines, Penser la question coloniale*, International Colloquium organized by the Maison des Sciences Humaines, University of Montpellier 3, 11-12 May 2010.

**Dr. Sharmishtha Lahiri:** Opening Remarks in the International Conference, *Figurations of the Past. The Literary and Historical Imagination*. Department of Germanic and Romance Studies, University of Delhi, 3-5 March 2011.

Chaired a session in International Conference, *Figurations of the Past. The Literary and Historical Imagination*. Department of Germanic and Romance Studies, University of Delhi, 3-5 March 2011.

**Dr. Minni Sawhney:** Presented a paper 'Mascaras y Juegos de Identidad (Masks and Identity)', at International Conference on *Golden Age Literature*, Burgos, Spain, May 2010.

'The Portrayal of Muslim Women in the Narrative of Cervantes' at Fundacion Tres Cultures (Three Cultures Foundation), Seville, Spain, May 2010.

International Conference of Hispanists, Rome, July 2010.

Inter-American Studies Association Conference, Essen, Germany, November 2010.

Conference on India–Mexico, 60 years of diplomatic relations, ICWA, New Delhi, October 2010.

**Dr. M.S. Joshi:** Presented a paper 'Gebrauch der Korpora im Übersetzungsunterricht an der Universität Delhi', at XII Conference of *International Association of Germanic Studies*, Warsaw, July-August 2010.

*Populäre Kunst im Zeichen der Demokratisierung*, International Conference on organized by the Department of Germanic and Romance Studies and the German Academic Exchange Service (DAAD) at Delhi University, 29-30 October 2010.

International Conference: *Figurations of the Past. The Literary and Historical Imagination*, Department of Germanic and Romance Studies, University of Delhi, 3-5 March 2011.

**Dr. Vijaya Venkataraman and Dr. Maneesha Taneja:** *I Congreso Ibero-Asiatico de Hispanistas Siglo de Oro e Hispanismo* Department of Germanic and Romance Studies, University of Delhi, 9-12 November 2010.

**Dr. Vijaya Venkataraman:** International Conference: *Figurations of the Past. The Literary and Historical Imagination*. Department of Germanic and Romance Studies, University of Delhi, 3-5 March 2011.

**Dr. Farida Irani:** *Formation sur la culture et la littérature québécoises: le Québec en classe de français*, Workshop organized by the Association *internationale des études québécoises* (AIEQ), the *Ministère des relations internationales* (MRI) Quebec and the Centre of French and Francophone Studies, Jawaharlal Nehru University, Delhi, 3-5 February 2011.

### **Publications**

**Maurya, V. 2010.** ‘Sociología de los refranes Don Quijote’, in *Textos sin Fronteras. Literatura y Sociedad II*, Ed. Hala Awaad and Mariela Insua, Pamplona, University of Navarra, (Digital Edition of GRISO), pp. 153-64.

**Mazumdar, S. (ed.) 2011.** *Insurgent Sepoys: Europe views the Revolt of 1857*, New Delhi: Routledge.

**Mazumdar, S., Rekha, Kamath, R., Thomas, S. and Carmen, U. (eds.) 2010.** *German Studies in India. Beiträge aus der Germanistik in Indien. Neue Folge, Bd. 2*, München: Iudicium Verlag.

**Mazumdar, S. 2010.** ‘Krise und Denormalisierung der kolonialen Ordnung. Der indische Aufstand 1857 als Medienereignis in Europa’, in *German Studies in India. Beiträge aus der Germanistik in Indien. Neue Folge, Bd. 2*, Ed. Shaswati Mazumdar, Rekha Kamath Rajan, Thomas Schwarz and Carmen Ulrich, 19-32. München: Iudicium Verlag.

**Aggarwal, K. 2010.** ‘Réflexions sur les tendances actuelles dans l’africanisme : Mbembe, Mabanckou et Miano’, in *Cahiers d’études africaines*, Vol. 198-200, Editions de l’Ecole des Hautes Etudes en Sciences Sociales, pp. 1191-1214.

**Lahiri, S. 2011.** ‘Remember Cawnpore! The Massacre in the Voice of Three Italian Narrators’ in *Insurgent Sepoys: Europe views the Revolt of 1857*, Shaswati, M. (ed). New Delhi: Routledge Books.

**Sawhney, M. 2010.** ‘El espacio en la obra fronteriza de Luis Humberto Crosthwaite y Gabriel Trujillo Muñoz’, in *Proceedings of the XVIth Conference of the International Association of Hispanists*. (ed. Pierre Civil, Françoise Cremoux), Iberoamericana –Vervuert.

**2011.** ‘Cosmopolitan Crossings and Multilayered Pasts in Rabindranath Tagore’s *Gora* and Leonardo Da Jandra’s *Entrecruzamientos*’ in *Hispanic Horizon*, (ed. Ganguly, S.P.), 254-263, New Delhi: Jawaharlal Nehru University.

**2010.** ‘Pensar en las ruinas del pensamiento. La Ciudad de México en la imaginación literaria’ in *Papeles de la India*, Vol. 39, No. 1, 2010, (ed. Jaspal, A.), 47-68, New Delhi: ICCR.

**2010.** ‘Friendship and Politics in the work of Cervantes and Lope de Vega’ in *East and West, Exploring Cultural Manifestations* (eds. Kala Acharya, Ignacio Arellano et.al), 217-232, Mumbai: Somaiya Publications.

**2010.** *Stories of the Lotus* (Translation into English of *La Flor de Loto, Historias de Asi* by Juan Alfredo Pinto Saavedra), New Delhi, Sahitya Akademi.



**Joshi, M.S. 2010.** (1st ed.) *Deutsche Märchen: Texte mit Übungen*. New Delhi: Goyal Publishers and Distributors, ISBN 81-8307-229-1.

**Roy, T. 2010.** 'Using Learner Corpora in Teaching Italian at Delhi' *University Tuttosia* 39: 3-10.

**Taneja, M. 2010.** *Lagbhag Single* Hindi Translation of Advaita Kala's *Almost Single*, New Delhi: Harper Collins.

## LINGUISTICS

### Major Activities

The Department has been granted the status of Centre for Advanced Studies in Linguistics (CAS-I) by UGC for a period of five years to recognize its potentials for growth in theoretical and applied linguistics and the what done so far

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

Ph.D.	-	2
M.Phil.	-	7

### Seminars/Conferences held

A National Seminar on 'Linguistics in the New Millennium' was organized at the Centre of Advanced Studies in Linguistics, University of Delhi, 11 March 2011.

International Conference 'New ways of analyzing language variation ad change (WAV ASIA-PACIFIC I) was organized at the University Conference Centre, 23-26 February 2011.

### Seminars/Conferences attended

**Prof. R.C. Sharma:** National Seminar on 'Linguistics in the New Millennium' organized at the Centre of Advanced Studies in Linguistics, University of Delhi, 11 March 2011.

Methodology of Linguistics Language Teaching, Applied Linguistics etc. at Kashmir University, Srinagar, 18-23 March 2011.

Keynote address to the UGC Sponsored National Conclave on Language and IT Industry at DAV Centenary College, Faridabad, 25-26 February 2011.

Five Lectures on Methodology of Linguistics and language teaching, Kashmir University, Srinagar and was Convener of the Workshop on UGC net syllabus revision, Bengaluru, 10-14 January 2011.

Teaching Methodology of Korea Writing Education for Indian Learners. 5th All India Korean Language Educators' Workshop at India Habitat Centre, New Delhi, 25-26 February 2011.



Issues and the Methodology: Some Questions for Linguistics, Deccan College Deemed University, 29 March 2011.

**Dr. Shobha Satyanath:** International Conference 'New ways of analyzing language variation and change (WAV ASIA-PACIFIC I)' organized at the University Conference Centre, 23-26 February 2011.

**Dr. Robert Phillipson,** Professor, Copenhagen Business School, Denmark Lecture titled 'Macaulay alive and kicking: How linguistics imperialism continues.

## LIBRARY & INFORMATION SCIENCE

### Major Activities

The Department is deeply involved in the conduct of research and development activities in the field of Library and Information Science. The major thrust areas of research in which the department is engaged at present includes: Web-based Information Products and Services, Awareness and use of Web 2.0 Technologies, Human Resource Development in ICT Environment, Marketing of Library and Information Science Products and Services, Use of Open Access Resources, Integration of Library Services with Online mode of Higher Education, Use of E-journals, Use of Electronic Resources, A Scientometric Study of Research Output, Use and Evaluation of Web-Based Online Public Access Catalogues, Job Satisfaction etc.

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

Ph.D.	-	7
M. Phil.	-	12

### Research Scheme

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Design and development of a portal of Library and Information Science in India.	Dr. K.P. Singh	UGC

### Seminars/Conferences attended

**Prof. (Mrs.) S.P. Singh:** International Conference on the 'Convergence of Libraries, Archives and Museums: User Empowerment through Digital Technologies' at India International Center, 15-17 February 2011.

**Dr. Shailendra Kumar and Dr. R.K. Bhatt:** 2nd International Symposium on 'Emerging Trends and Technologies in Libraries and Information Services (ETTLIS)', Jaypee University of Information Technology, Waknaghat, Solan, HP, 3-5 June 2010.

**Dr. Shailendra Kumar:** 13th National Convention on 'Knowledge, Library and Information Networking' (NACLIN 2010), BITS-Pilani, Gao Campus, Gao, 15-18 June 2010.

**Dr. R.K. Bhatt:** National Conference on 'Knowledge Management in Globalized Era', organized by Association of Agricultural Librarians and Documentalists of India in Association with Indian Council of Agricultural Research Library and Indian Agricultural Statistics Research Institute Library, New Delhi, 21-23 April 2010.

12th MANLIBNET Annual Convention 'Knowledge Dissemination through Libraries and Information Centres: Sharing Vision for the Future' organized by IHMR, Jaipur, 22-24 November 2010.

International Conference of Asian Special Libraries (ICoASL 2011) on 'Building User Trust: The Key to Special Libraries Renaissance in the Digital Era' organized by SLA - Asian Chapter in association with Japan Special Libraries Association at United Nations University0(Co-sponsor), Tokyo, Japan, 10-12 February 2011.

**Dr. K.P. Singh:** Participated and presented a paper entitled 'A comparative study of features and modules of selected library automation softwares in India' in National Conference on Knowledge Management in Globalized Era, at NASC, ICAR, New Delhi, 21-23 April 2010.

Participated International CALIBER 2011 held and organized by Goa University, Goa, 2-5 March 2011.

**Dr. P.K. Walia:** International Conference on 'Convergence of Libraries, Archives and Museums: User Empowerment through Digital Technologies', India International Centre, New Delhi, 15-17 February 2011.

XXVII IATLIS National Conference on 'Emerging Challenges and Lingering Issues in LIS Education, Research and Training' organized by Department of Library and Information Science and Jayakar Library, University of Pune, Maharashtra, 17-19 November 2010.

**Dr. M. Madhusudhan:** Presented a paper International Conference of Asian Special Libraries (ICoASL 2011), Tokyo, 10-12 February 2011.

6th International Conference on Webometrics, Informetrics and Scientometrics, Mysore, 18-22 October 2010.

Promoting Millennium Development Goals (MDGs): 'Need for strengthening information resources network' organised by United Nations Information Centre and Indian Institute of Public Administration, New Delhi, 15 September 2010.

'World Wide Web: Technology, Standards and Internationalization', organized by W3C India, New Delhi, 6-7 May 2010.

National Conference on 'Public Libraries in the Knowledge Societies', organised by Andhra Pradesh Library Association, Hyderabad, 9-11 July 2010.

**Dr. (Mrs.) Meera:** National Conference on 'Information Management in digital age', ICAR, New Delhi, 21-23 April 2010.

National Conference on 'Knowledge Management in Globalized Era', organized by Association of Agricultural Librarians and Documentalists of India in Association with Indian Council of Agricultural Research Library and Indian Agricultural Statistics Research Institute Library, New Delhi, 21-23 April 2010.

Seminar on 'E-Resource Management and North Zone Users Convention', IIT Roorkee, 18-19 November 2010.

National Workshop on 'Webometrics, Informatics and Scientometrics', Karnataka University, Dharwad, 25-27 December 2010.

**Mr. Manish Kumar:** 'Association of Agricultural Librarians and Documentalists of India'; (AALDI) at Pusa, New Delhi, 21-23 April 2010.

'Building User Trust: The Key to Special Libraries Renaissance in the Digital Era', organized by SLA- Asian Chapter at United Nations University, Tokyo, Japan, 10-12 February 2011.

### **Publications**

**Kumar, S. and Rai, N.** 'Comparative features of integrated library management software systems available in Delhi'. *The Electronic Library*. Vol. 29 issue 1, pp. 121-146 ISSN: 0264-0473.

**Kumar, S. and Naqvi, S.H. 2010.** Research output in the field of natural sciences: A bibliometric case study of Jamia Millia Islamia University, 317, Vol. 36.

**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.

### *Research papers published in Refereed/Peer Reviewed Conferences*

**Bhatt, R.K.** 'Marketing Information Products and Services: A case Study of the Select Libraries of the Central Universities of Delhi'. In 'International Conference on the Convergence of Library, Archives and Management, User Empowerment through Digital Technologies' organized by NIFT and IFLA Arts Library Section, at New Delhi, 15-17 February 2011.

'Information Literacy Models and Competencies Development Initiative in India' In 'International Conference of Asian Special Libraries (ICoASL 2011) on 'Building User Trust: The Key to Special Libraries Renaissance in the Digital Era' organized by Special Libraries Association - Asian Chapter in association with Japan Special Libraries Association at United Nations University (Co-Sponsor), Tokyo, Japan, 10-12 February 2011.

**Bhatt, R.K.** 'Imperativeness of Personality Development of the Library Professionals for Effective and Efficient Library Management in the ICT Environment' in 12th MANLIBNET Annual Convention, Knowledge Dissemination through Libraries and Information Centres: Sharing Vision for the Future organized by IHMR, Jaipur, 22-24 November 2010.

'Methods and strategies for marketing of LIS products and services: a pragmatic approach'. 2nd International Symposium on Emerging Trends and Technologies in Libraries and Information Services (ETTLIS) 2010. Jointly organized by Learning Resource Centre Jaypee Institute of Information Technology, Noida (UP) & Learning Resource Centre, Jaypee University of Information Technology, Wagnaghat (HP), 3-5 June 2010,

'Marketing Agricultural Libraries: Methods and Strategies' 470-74 National Conference on Knowledge Management in Globalized Era, organized by Association of Agricultural Librarians and Documentalists of India in Association with Indian Council of Agricultural Research Library and Indian Agricultural Statistics Research Institute Library, New Delhi, 21-23 April 2010.

'Imperativeness of Personality Development of the Library Professionals for Effective and Efficient Library Management in the ICT Environment' in 12th MANLIBNET National Convention on 'Knowledge Dissemination Through Libraries and Information Centres: Sharing Vision for the Future' to be jointly organized by Institute of Health Management Research (IIHMR), Jaipur and Management Libraries Network, New Delhi, at IIHMR, Jaipur, 22-24 November 2010.

**Bhatt, R.K. and Chauhan, S.S.** 'The open access movement in India: where we stand?' 2nd International Symposium on Emerging Trends and Technologies in Libraries and Information Services (ETTLIS) 2010. Jointly organized by Learning Resource Centre, Jaypee Institute of Information Technology, Noida (UP) & Learning Resource Centre, Jaypee University of Information Technology, Wagnaghat (HP), 3-5 June 2010.

'Knowledge Management: The Changing role of Libraries' in International Conference on Digital Library Management Extending, Benefits of Modern Technology to Public, Academic and Special Libraries organized by TERI, Delhi and RRLF, Kolkata, 11-13 January 2011.

*Chapters in Edited works, Festschrift volumes, etc.*

**Bhatt, R.K. 2010.** 'India's Ancient Libraries and their role in the development of higher education' In Challenges and Changes in Librarianship. Edited by A. Amudhavalli and Jasmev Singh. Vol. 1. Delhi: B R Publishing Corporation, ISBN 13:9788176467131.

*Journal Articles*

**Walia, P. K.** 'Library and Information Science Education in North India'. *DESIDOC Journal of Library & Information Technology*. September 2010. 30(5), 9-18.

**Walia, P. K. and Kaur, P.** Library & Information Science Education in Chhattisgarh and Madhya Pradesh. *DESIDOC Journal of Library & Information Technology*. September 2010.30(5).91-96.

'Government of India Websites: A Study'. *DESIDOC Journal of Library & Information Technology*. July 2010. 30(4), 3-10.

*Conference Article*

**Walia, P.K. and Gupta, M.** 'Content Analysis of Websites of National Libraries. Ed. International Conference on the Convergence of Libraries, Archives and Museums: User Empowerment through Digital Technologies, India International Centre, New Delhi, 15-17 February 2011.

**Madhusudhan, M. 2011.** Web-based Online Public Access Catalogues of IIT libraries in India: An Evaluative Study. In proceedings of International Conference of Asian Special Libraries (ICoASL 2011) (Tokyo, 10-12 February, 2011).

**2010.** Indian environmental sciences literature (1996-2008): A Bibliometric study. In proceedings of Sixth International Conference on Webometrics, Informetrics and Scientometrics (Mysore, 18-22 October 2010).

**2010.** Future of public libraries, Proceedings of National Conference on Public Libraries in the Knowledge Societies. In proceedings of APLA, Hyderabad, 9-11 July 2010.

*Books /Edited Works*

**Satija, M.P. and Singh, K.P. 2010.** *Colon Classification* (Hindi). Ess Ess Publications <www.essessrefernce.com>: New Delhi. P 241. ISBN:978-81-7000-611-4.

**Singh, K.P. and others, (Ed.) 2010.** *Knowledge management: Issues and strategies*. U-Day Publishers & Advertisers: New Delhi. P 306.

**Singh, K.P. and others, (Ed.) 2010.** National Conference on Knowledge Management in the Globalised Era: Lead papers. Association of Agricultural Librarians and Documentalists of India (AALDI): New Delhi. P 588.

*Journal*

**Singh, K.P. and Moirangthem, E. 2010.** 'Delhi libraries VIP friendly? : A case study of the information seeking behavior and information resources of the visually impaired people'. *Library Philosophy & Practices*. 5 (May); 1-14. <http://unllib.unl.edu/LPP/lpp.htm>.

**Singh, K.P. and Negi, N. 2010.** 'Design and development online directory: A case study of Aerospace Engineering institutions and teachers in India'. *DESIDOC Journal of Library & Information Technology*. 30(4); 53-57.

**Singh, K.P., Moirangthem, E. and Negi, N. 2010.** 'Design and Development a of Web-Enabled Directory of Library and Information Science Teachers in India: A proposed model'. *Library Herald*. 48(5); 376-384.

**Singh, K.P., Jain, A. and Babbar, P.** 'DESIDOC Bulletin of information technology: A bibliometric study'. *SRELS Journal of Information Management*. 48(1)2011; 57-68.

**Madhusudhan, M. 2010.** Use of electronic resources by research scholars of Kurukshetra University: a study. *The Electronic Library* 28 (4): 492–506 (ISSN: 0264-0473, ISI Journal).

**Madhusudhan, M. and Singh P.A. 2010.** Multimedia-based library orientation programme at Dyal Singh College Library, New Delhi. *Library Review* 59 (6): 430-444 (ISSN: 0024-2535, ISI Journal).

**Konnur, P.V., Rajani, S. and Madhusudhan, M. 2010.** Academic library websites in Bangalore city, India: an evaluative study. *Library Philosophy and Practice* (online): (Peer-Reviewed Electronic Journal, ISSN: 1522-0222).

**Kumar, M.** Joint Paper entitled 'Digital Library Management: Issues and Strategies' published in *Journal of Library and Information Science*, Department of Library and Information Science, University of Delhi, June 2010.

*Papers in Conferences/edited books/festschrift, etc.*

**Singh, K.P.** Agricultural education and research in India. *In* Singh, K.P. and others, (Ed.) *Knowledge Management: Issues and Strategies*. 2010. U-Day Publishers & Advertisers: New Delhi. pp. 3-19.

'Growth and development of agricultural education and research in India'. In Souvenir of National Conference on Knowledge management in the Globalised Era: Lead papers, held at National Agricultural Science Complex (NACS), New Delhi from 21-23<sup>rd</sup> April 2010. Association of Agricultural Librarians and Documentalists of India, New Delhi. pp. 33-49.

**Singh, K.P. and Gulati, D.** 'Comparative study of features and modules of selected library automation softwares in India'. *In* National Conference on Knowledge management in the Globalised Era: Lead papers, held at National Agricultural Science Complex (NACS), New Delhi from 21-23 April 2010. Association of Agricultural Librarians and Documentalists of India (AALDI): New Delhi. pp. 301-308.

**Satija, M.P. and Singh, K.P. 2010.** 'Knowledge Management and Indian Tradition: An Overview'. *In* National Conference on Knowledge management in the Globalised Era: Lead papers, held at National Agricultural Science Complex (NACS), New Delhi, Association of Agricultural Librarians and Documentalists of India, New Delhi. pp. 37-42.

**2010.** 'Classification: A universal constant'. In Humayoon, K.S. and Sudhier, K.G., (Ed.) *Confetti of thoughts on Library and Information Studies: Essays in honour of Prof. C.V. Rajan Pillai*. New Delhi: Author Press.

**Meera. 2010.** Science and Technology Indicators: Tools for Metric Analysis of Scientific Literature. National Conference on Information Management in digital age. ICAR, New Delhi, 21-23 April 2010.

Paper on 'Library Consortium: Panacea to Libraries Financial Crunch' published in Conference proceedings entitled 'Lead Papers' of National Conference on 'Knowledge Management in the Globalized Era' organized by Association of Agricultural Librarians and Documentalists of India (AALDI) at Pusa, New Delhi, 21-23 April 2010.

Paper on 'Special libraries in Electronic Environment: March Towards Users' Bliss' published in Conference proceedings entitled 'Building User Trust: The Key to Special Libraries Renaissance in the Digital Era' organized by SLA- Asian Chapter at United Nations University, Tokyo, Japan, 10-12 February 2011.

*Conference/Seminar other than Refereed/Peer Reviewed Conferences*

Joint Paper entitled 'Digital Divide: Challenge for Information Professionals' published in Proceedings of the National Conference organized by Asia-Pacific Institute of Management, New Delhi, 2011.

## MODERN INDIAN LANGUAGES & LITERARY STUDIES

### Major Activities

The Department has undertaken various initiatives under the ongoing UGC DRS assistance. Under this scheme, the thrust are as are: *Comparative Indian Literature, Translation Studies and Indian Folklore and Tribal lore*. A series of National level Seminars on these thrust areas have already been organized during these years.

The department celebrated its Golden Jubilee in 2010-11. Besides its academic programmes, the Department organized different programmes under three major events: (i) Golden Jubilee National Seminars (ii) Golden Jubilee Special Lectures (iii) Golden Jubilee Cultural Events.

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

M.Phil.	:	04
Ph.D.	:	05

### Seminars/Conferences held

First Golden Jubilee National Seminar on 'Understanding Indian Literature', 22-24 November 2010.

Second Golden Jubilee National Seminar on 'Glimpses of Land and Landscape in Indian Literature', 7-9 March 2011.

Fourteenth 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 by Prof. S.N. Kandaswamy, Tamil University, Thanjavur, 14 March 2011.

First Golden Jubilee Special Lecture on 'Mother Tongue and Second Language Teaching in Indian Context' was delivered by Padmashree Prof. Debi Prasanna Pattanayak, Former Director, CIIL, Mysore, 15 November 2010.



**Prof. N. Muthumohan:** Delivered Jubilee Second Golden Special Lecture on 'Literature and Philosophy' Madurai Kamraj University, 20 November 2010.

**Shri Vasdev Mohi:** Eminent Sindhi poet, delivered Third Golden Jubilee Special Lecture on 'Sindhi Ghazal: Past and Present', 17 February 2011.

**Prof. Krishnaswamy Nachimuthu:** Delivered Fourth Golden Jubilee Special Lecture on 'Facets of Tamil Classical Poetics', School of Language, Literature and Culture Studies, Jawaharlal Nehru University, 18 February 2011.

**Prof. Karumuri V. Subbarao:** Sarvepalli Radhakrishnan Chair Professor in Humanities, Delivered Fifth Golden Jubilee Special Lecture on 'The Typology of South Asian Languages', University of Hyderabad, 21 February 2011.

**Prof. Panchanan Mohanty:** Delivered Sixth Golden Jubilee Special Lecture on 'Dialects as Significant Resources of Culture', Centre for Applied Linguistics and Translation Studies, University of Hyderabad, 22 February 2011.

**Prof. B.N. Patnaik:** Delivered Seventh Golden Jubilee Special Lecture on 'Some Laxmi Kathas in Oriya: Creation and Dissemination of Ethical Knowledge', IIIT, Hyderabad, 24 February 2011.

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

**Prof. A. Mariappan:** Presented a paper 'Sanga Ilakkiyattil Vilimbunilai Makkal' (Marginalized People in Sangam Literature) at World Classical Tamil Conference organised by the Government of Tamil Nadu, Coimbatore, 23-27 June 2010.

'Impact of Bengal Renaissance on Tamil' at Tenth Biennial International Conference of Comparative Literature Association of India organized by Central University of Gujarat, Gandhinagar, Gujarat, 3-6 March 2011.

**Prof. Nandita Basu:** Presented a paper 'Appropriation of Islamic Culture in the Hindu Texts of Medieval Bengali literature' at 10th Biennial International Conference of Comparative Literature Association of India organized by Central University of Gujarat, Gandhinagar, Gujarat, 3-6, March 2011.

'Translation of Tagore in North Indian Literature' at National Seminar on Tagore held in Assam University, Silchar, March 2011.

'The Exquisite Description of the City of Sinhal in the Narrative Poetry of Alaol, a 17th Century poet in Bengali' at Golden Jubilee National Seminar in Department of MILLS, Delhi University, 7-9 March 2011.

**Dr. T.S. Satyanath:** Presented a paper 'Crossing Borders: On the Emergence of Interpreting Traditions in Buddhism' at International Conference on Essentials of Buddhism held at University of Hyderabad, Hyderabad, 24-25 September 2010.



'Commentary as Interpretation and Translation in Medieval Indian Representations' at 4th Asian Translation Traditions Conference at The Chinese University of Hong Kong, Hong Kong, 15-17 December 2010.

'The Kinnari Jogi version of the Mahâbhârata: Text, Context and Performance' at International Symposium on Living Traditions of Mahabharata at Indira Gandhi Centre for Art and Culture, New Delhi, 10-15 February 2011.

'World Literature in the Context of Indian Literature at Plenary Session on World Literature and Vishva Sahitya of the Tenth Biennial International Conference of Comparative Literature Association of India organized by Central University of Gujarat, Gandhinagar, 3-6 March 2011.

'Problematizing Manuscript Traditions' paper presented in the Special Panel on Manuscripts as Alternative Textual Traditions, Tenth CLAI Biennial International Conference at Central University of Gujarat, Gandhinagar, 3-6 March 2011.

'Vrittirangabhumi: kelavu samskritika ayamagalu' at National Seminar on Samskritika adhyayanagalu mattu kannada sahyika adhyayanagalu: kannada vrittirangabhumi organized by Sahitya Akademi, New Delhi and MSB Arts and Commerce College, Davanagere, 18-19 September 2010.

'On Hybridity and manipravâlam' at Language: 'Multiple Voices: Rama Kanth Aginihotri Colloquium' at Department of Linguistics, 26 November 2010.

'Cultural Dimensions in Translation Studies' at National Seminar on Culture and Translation at Banaras Hindu University, Varanasi.

'Comparative Literature, Translation Studies and Cultural Studies: A Note on Methodology' at CAS Workshop on Methodology at Centre for Advanced Studies, Department of Comparative Literature, Jadavpur University, Kolkata, 22-23 March 2011.

'Religions Crossing Borders: On the Emergence of Translation Traditions in India' at National Workshop on Translation Studies and Language Technology at Centre for Applied Linguistics and Translation Studies, University of Hyderabad, 28-29 March 2010.

Special Lecture delivered 'Anuvada, deshiya parampare mattu madarigalu' at Department of Translations, Kannada University, Hampi, 7 July 2010.

'Popular Culture, 78 rpm era and Documentation' at Department of Translations, Kannada University, Hampi, 8 July 2010.

'Understanding Indian Grammatical Traditions in the Context of Indian Literature' at The English and Foreign Language University, 29 March 2011.

**Dr. G. Rajagopal:** Presented a paper 'Standing Anxiously at the Threshold: Nandan and Chokhamela' in International Conference on 'Comparative Literature: World Culture and Languages' organised by Department of Hindi, Andhra University, co-sponsored by ICCR, UGC and Sahitya Akademi, at Visakhapatnam, Andhra Pradesh, 24-26 February 2011.

'Shedding the Femininity: Nudity of Karaikkal Ammaiyar, Akka Mahadevi and Lallesvari' in 10th Biennial International Conference of Comparative Literature Association of India organized by Central University of Gujarat, Gandhinagar, 3-6 March 2011.

**Dr. Amitava Chakraborty:** Presented a paper 'Theory after the Neuro-Scientific Turn: Towards Neo-Formalist Practices?' in International Seminar on 'Theory that Matters: What Practice after Theory' at University of Lodz, Poland, 2010.

'Aesthetics at the Age of Post Technology: Towards Neo-Formalism?' at International Seminar on 'Aesthetics at the Age of Post Technology' at Southeast University, China, 2010.

'Rabindranath: uttaradhunik manane' paper presented on 'Rabindranath Tagore: In the Light of Contemporary Global Aesthetics', organized by Council for Bengali Language, Literature and Culture, University of Dhaka, Bangladesh, 2010.

'Aesthetizing Writing: A Study into Vernacular Manuscripts' in 10th Biennial International Conference of Comparative Literature Association of India organized by Central University of Gujarat, Gandhinagar, 3-6 March 2011.

'Rabindranath Tagore and the Post Modern Perspective' in Plenary Session of the International Conference on 'Rabindranath Tagore Today' at CCS University, Meerut, 2011.

'On the Calligraphy Practices in Bengali Manuscripts' in National Seminar on 'Manuscript Tradition of North east India' at Govt. Degree College, Dharmananagar, Tripura, 2010.

'Post Modern Prekkhite Rabindranath' in National Seminar on 'Rabindranath Tagore: His Time and Work' held at Rabindra Bharati University, 2011.

'Contemporary Bangla Grammar', lecture delivered at University of Warsaw, Warsaw, Poland, 2010.

'Aesthetic Ideas of Tagore' lecture delivered at The Charles University, Prague, Czech Republic, 2010.

'Religious Pluralism in India', The Charles University, Prague, Czech Republic, 2010.

'Postmodern Perspective in Literature', Department of Bengali, University of Dhaka, 2010.

**Dr. D. Uma Devi:** Presented a paper 'Modern Ideologies on Feminism' in International Seminar on Feminism at Sri Kanyaka Parameshwari College, Chennai, 3-4 March 2011.

'Definition of e-folklore' in International Conference on Current Research on Tamil Literature at Valliyammal College for Women, Chennai, 11-12 October 2010.

'Current Research on Tamil Folklore' in International Conference at Govt. Arts College, Salem, 9 March 2011.

'How to Define Fake Lore?' in National Seminar on Urban Folklore at Arignar Anna Arts and Science College, Namakkal, Tamilnadu, 8 March 2011.

**Mr. Venkata Ramaiah Gampa:** Presented a paper 'Telugu kannada navalallo pratibimbichina prapamchikarana samskruti- tulanatnaka parisheelana' (in Telugu) in International Conference on 'Comparative literature: World Culture and Languages' organised by the Department of Hindi, Andhra University, Vishakapatnam, 24-26 February 2011.

'Prapanchikara nepathyamlo girijana samskruti' (in Telugu) at National Seminar on 'Tribal literature and culture' organised by the Department of Telugu Dravidian University Kuppam, 21-22 September 2010.

'The Influence of Gazal Tradition on Telugu' (in Telugu) in National Seminar on 'The Influence of Urdu on Telugu: Vice versa' organized by the Department of Modern Indian Languages, Aligarh Muslim University, Aligarh, 10-11 November 2010.

'Prabandha kavulu- Asthitva prayatnalua' (in Telugu) in National Seminar on 'Telugu Bhasha Sahityam patrika rachana' organized by the Department of Telugu Andhra University, Vishakapatnam, 9-10 February 2011.

### Research schemes

<i>Title</i>	<i>Principal Investigators</i>	<i>Sponsoring organization</i>
Sindhi Folk Culture and Folk Literature in India: A Study.	Dr. R.P. Tekchandani	UGC
Fakelore in Tamil Nadu: A Research on the Growth and Current Scenario.	Dr. D. Uma Devi	UGC

### Publications

**Mariappan, A. 2011.** 'Nature, Life and Literature: Interrelationship', *Journal of the Institute of Asian Studies*, Vol. XXII, No. 2, (March 2005), Institute of Asian Studies, Chennai.

**2011.** 'Sanga Ilakkiyathil Vilimbunilai Makka (Marginalized people in Sangam Literature' in *Puthiya Aaraychi* (Tamil Quartely Research Journal), Issue 4, pp. 41-46.

**Basu, N.** 'Tagore & Buddhist Culture' paper published in a little magazine Lyric for its Special Volume on Tagore.

'Rereading of Tagore' paper published in the Mayissue of *Dwiralap* from Silchar, Assam.

**Rajagopal, G. 2010.** 'Eluttoli Peyarppil Kulappangal', (in Tamil), in the 41<sup>th</sup> Proceedings of All India University Tamil Teachers' Association's Conference (ed. Mohan, R., Manivel, M. et. al.), Vol.I: at Noorul Islam University, Kumaracoil, Kanniyakumari District, Madurai Kamaraj University, Madurai.

**Satyanath, T.S. 2010.** 'Kavya as Knowledge System', Department of Comparative Literature, Jadavpur University, Kolkata.

2011. 'Interpreting Early Modern Kannada Translations', Jadavpur Journal of Comparative Literature, Vol.47: 45-58.

2011. 'Grik natakadalli cadurangada tantra in 'Girish Karnadara natakagalu: kannadada pratikriye', Marulasiddappa, K. and Hanuru, K. (eds), 186-191. Samvahana, Mysore.

2010. 'Antya samskaragala adhyayanakke ondu tatvika caukattu: brahmanara antya samskarada adhyayana in 'Karnatakadalli shavasamskara', Kodagunti, R. (ed.), 03-54. Bandaru Prekashana, Maski.

2010. Bhasha adhyayana: parampare, adhunika hagu prastutate, Aruhu-kuru, *Bhasha adhyayana parampare, adhunika hagu prastutate: vishesha sanchike*: 14-26.

**Tekchandani, R.P. 2011.** 'Sindhi Pahaka', Sindhi Academy, Govt. of NCT. Delhi.

**(Ed.), 2011.** *Post Modernism in Sindhi Literature*, New Delhi: National Council for Promotion of Sindhi Language, Ministry of H.R.D.

## PERSIAN

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

Ph.D.	-	1
M.Phil.	-	1

### Programmes taken up involving inter-institutional collaboration

MoU between University of Delhi and University of Rome 'La Sapienza' Italy

### Seminars/Conferences held

International Seminar on 9-11 December 2010.

National Seminar on 24 February 2011.

2nd Amir Khusrau Lecture Series on 23 February 2011.

### Seminars/Conferences attended

**Prof. Rehana Khatoon:** Participated and present a paper on 'Nabegha-i-Roozgaar, Naqid wa Musahheh-I Farhang Professor Nazir Ahmad' at Department of Persian, AMU, Aligarh, November 2010.

Participated and presented a paper on 'Turk-i-Hindustaniam man Hindavi Guyam Jawab' organised by Khusrau Society, Delhi, November 2010.

Directed, participated, chaired and presented a paper on 'Farsi Zuban mein Sanskrit ki Kitab Mitasharah, ek Jahezah', at Department of Persian, University of Delhi, December 2010.

Participated and present a paper on 'Kashful Mahjoob-i-Hujveri, ek Mutale'ah' at Jamia Millia Islamia University, New Delhi, December 2010.

Directed, participated, chaired and present a paper on 'Literary, Historical Social and Cultural aspects of Persian Manuscript' at Department of Persian, University of Delhi, December 2010.

Participated, chaired and present a paper on 'Basatinul Uns; ek mukhtasar Haezah' at Institute of Persian Research, AMU, Aligarh, March 2011.

**Prof. S.B.F. Husaini:** International Seminar on Persian and Arabic Manuscript in India 'National Textual Heritage of Composite Culture', organized by DRS Department of Persian, University of Delhi, 9-11 December 2010.

Chaired and paper presented in International Seminar organised by All India Persian Teachers Association in Agra, 28-30 December 2010.

**Prof. Chander Shekhar:** International Seminar on Persian and Arabic Manuscript in India 'National Textual Heritage of Composite Culture' organized by DRS Department of Persian, University of Delhi, 9-11 December 2010.

**Dr. Aleem Ashraf Khan:** Participated and presented research paper 'Farsi Adab Insan Dosti ka Alambardar' in International Seminar on 'Universal Discourses: Just Peace and Dara Shukoh Award For Peace', organized by Indo-Iran Society, New Delhi and Islamic Peace Forum, Tehran, in collaboration with Iran Culture House, New Delhi, 11-12 April 2010.

Participated and presented a paper 'Moarrafi-e-nuskha-e-khatti dar kitab khanah-e-Rampur' in International Seminar on 'Persian & Arabic Manuscripts in India: Textual heritage of composite culture' organized by the Department of Persian, University of Delhi, Delhi, 9-11 December 2010.

**Dr. Rajinder Kumar:** Participated and presented a paper entitled 'Noskhe haie Khattie Gulzare Haal: Mirathe Farhnagie Moshtarake Hendouan va Mosalmanan' in International Seminar on 'Persian and Arabic Manuscripts in India: National Textual Heritage of Composite Culture' organized by the Department of Persian, University of Delhi, 9-11 December 2010.

**Dr. Allauddin Shah:** Participated and presented a paper entitled 'References of Persian Poetry in Abul Kalam Azad's works: A case study of 'Ghubar-e-Khatir' in the international Conference on 'Maulana Abul Kalam Azad: An Architect of Indo-Persian Culture' organized by CP and CAS, JNU, 1-3 March 2011.

Participated and presented a paper 'Amir Khusrau's Patriotism as reflected in his Mathnavis' in the National Seminar on 'Persian Mathnavi Writing in the Indian Sub-Continent' organized by Department of Persian, DU, Delhi, 24 February 2011.

**Prof. Rehana Khatoon:** Participated and presented a paper on 'Shibh-i-Qarreh-i-Hind mein Farsi Masnavi ek Mukhtasar Jahezah' National Seminar on 'Persian Mathnavi writing in sub-continent' at Department of Persian, University of Delhi, 24 February 2011.

Director 2nd Amir Khusrau Lecture Series at Department of Persian, University of Delhi, 23 February 2011.

**Prof. S.B.F. Husaini and Prof. Chander Shekhar:** National Seminar on 'Persian Mathnavi writing in Indian Sub-continent' organized by Department of Persian, University of Delhi, 24 February 2011.

**Dr. Aleem Ashraf Khan:** Participated in one day National Seminar on 'Persian Mathnavi writing in the Indian Sub-continent' and presented paper 'Masnavi heer wa ranjha ki adabi Ahammiyat' organized by Department of Persian, University of Delhi, 24 February 2011.

Participated in the 2nd Amir Khusrau Memorial Lecture held by the Department of Persian, University of Delhi, 23 February 2011.

**Dr. Rajinder Kumar:** Participated and presented paper 'Vizghihaie Mathnavie Mehr-o-Mahe Jamali Dehlavi' in Persian language in National Seminar on 'Persian Mathnavi Writing in the Indian Sub-continent' organized by Dept. of Persian, University of Delhi, 24 February 2011.

**Dr. Allauddin Shah:** Participated and presented a paper entitled 'References of Persian Poetry in Abul Kalam Azad's works: A case study of 'Ghubar-e-Khatir' in the international Conference on 'Maulana Abul Kalam Azad: An Architect of Indo-Persian Culture' organized by CP and CAS, JNU, 1-3 March 2011.

Participated and presented a Paper entitled 'Amir Khusrau's Patriotism as reflected in his Mathnavis' in the national Seminar on 'Persian Mathnavi Writing in the Indian Sub-continent' organized by Department of Persian, DU, Delhi, 24 February 2011.

### **Publications**

**Husaini, S.B.F. 2010.** Samiksika Series 4 Indian Textual Heritage '*National Mission for Manuscripts*' Dilli Kitab Ghar.

*Persian Research Journal* -2009-2010. Department of Persian, University of Delhi, 24 February 2011.

**Khatoon, R. and Shekhar, C.** 'Majmaul Afkar and Kashmir; An introduction to the writings of persianon Kashmir', published in the *journal Qande Parsi*, Kashmir Special Number, New Delhi, 2010.

'Translations of Mathnawi Maulana Rum in India', Research Paper published in the special volume on Maulana Rum by Azad University, RudeHin, Tehran, Iran, 2010.

'Persian and Arabic Manuscripts: Seminar cum workshop', published in *Indian Textual Heritage*, 2011.

Presented Keynote add on, 'India and Persian Lexicography,' in a National Seminar on Persian Lexicography by Maulana Azad University for Urdu, Hyderabad, 28-29 February 2011.

Hitherto unknown Masnavi Rani Chander Kran wa Raja Chtaurmukh, introduction of the manuscripts and analysis of the masnavi, paper presented in the Seminar on 'Dastan nawisie farsi', Persian Research Centre, AMU, Aligarh, 15-17 March 2011.

**Khan, A.A. 2010.** Centre of Arabic and African Studies, School of Language, Literature and Culture Studies, J.N.U. 'Alf Laila Se Maakhuz Qissah-e-Sind Baad Jahazi : Urdu Ka Tarruf' (Urdu).

**Kumar, R. and 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 132<sup>nd</sup> Birthday of Allama Muhammad Iqbal Lahori (ed. Dr. Maryam Khalili Jahantigh), 24-26 February 2010, Sub-continent and South Asian Research Center, University of Sistan and Baluchestan, Zahedan, Iran.

**2010.** 'Amir Khusrau and Delhi' in the proceedings of the international Seminar on 'Delhi's Past and Present; Focus on Persian Sources' organized by Department of Persian, University of Delhi, Delhi, 12-14 March 2010 (Editor: Prof. Rehana Khatoun).

## PSYCHOLOGY

### Major Activities

Internationally renowned psychologist from USA, Prof. Michael Posner visited the Department on 15 December 2010 and delivered a Special Lecture on 'Developing Attentional Networks'. Dr. Jessica M. Choplin, Assistant Professor of Experimental Psychology, Depaul University, Department of Psychology, Chicago, IL, USA also visited the Department on 18 January 2011 to deliver another Special Lecture on 'Attribute Evaluation'. In view of the changing trends in the discipline of Psychology.

### Ph.D. Degrees awarded

Ph.D. - 11

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Development of Culturally Appropriate Personality Assessment Tool.	Prof. Anand Prakash	ICSSR
Interaction of Vision, Action and Language	Prof. Ashum Gupta	DST
Effectiveness of Cognitive Intervention on Cognitive Functioning, Affect and Self-regulatory Skills: Implications for Defence Forces.	Prof. Ashum Gupta	LSRB, DRDO

Ways of Explaining Behaviour: an attempt to examine theory of mind perspective in cultural context.	Prof. Nandita Babu	ICSSR
'Theory of Mind based training program for development of social competence in children' funded.	Prof. Nandita Babu	NCERT

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

**Prof. Nandita Babu:** Visiting Professor, Department of Child and Family Development, Faculty of Education, Sandiego State University, USA.

**Prof. Ashum Gupta:** Distinguished member of the panel of experts for Advisory Committee on Psychological Research for Indian Railways; Member, Academic Council, Rajiv Gandhi National Institute of Youth Development, Sriperumbudur, Tamil Nadu; Vice President, Association of Mental Health Counselors; Member, Editorial Board, International Journal of Disability Studies.

### **Honours/Distinctions**

**Prof. Nandita Babu:** Fulbright-Nehru Visiting Lecture 2010.

### **Seminars/Conferences held**

'Buddha's Insights as a Window to Understanding Indian Social and Spiritual Psychology' by Dr. Kundan Singh, California Institute of Integral Studies (CIIS) on 19 August 2010.

'Emerging paradigm in statistics: A revolution in the making' by Dr. Arvind Misra, Associate Professor, JNU, New Delhi on Thursday, 9 September 2010.

'Navarasa and Bharatnatyam: An Experiential Depiction' by Ms. Tanvi Bajaj on 30 September 2010.

**Ms. Prateeksha Sharma:** 'Guru in the Indian Tradition' on 30 September 2010.

### **Seminars/Conferences attended**

**Prof. Anand Prakash:** Participated in International Congress of Applied Psychology held at Melbourne, Australia, 11-16 July 2010.

Participated in a Conference of World Cities-II organized by Polytechnic University, Hongkong, 16-18 March 2011.

**Dr. Suneet Varma:** 'Spirituality and the empowerment of the marginalized: An Indian experience'. Annual Research Conference-2010, University of Jaffna, Jaffna, Sri Lanka, 15 November 2010.

**Dr. Avinash Kumar:** 'Engendering Work Place Behaviours: Impact of Emotional Intelligence' ASEAN Regional Union of Psychological Societies (ARUPS) 3rd Congress held in Kuala Lumpur, at HELP University College, 2-3 October 2010.



**Prof. Girishwar Misra:** 'Indian epistemology'. Management Development Institute, Gurgaon, 21 October 2010.

'Qualitative methods in psychology', Psychology Department, Calcutta University, Kolkata, 3-5 December 2010.

'Critical theory in Psychology', NAOP Annual convention, JNU, New Delhi, 13 December 2010.

'The Idea of Indian Psychology', at the NAOP Annual Convention, JNU, New Delhi, 14 December 2010.

Keynote address 'Psychology in India: Accomplishments and Emerging Concerns'. at National Seminar, Department of Psychology, Govt. M.L.B. Girls. P.G. Autonomous College, 7 January 2011.

'Non-violence: A Psychological Analysis', National Seminar on Containing Violence. Centre for Gandhian Studies, GITAM Institute of Management, GITAM University, Visakhapatnam, 29 January 2011.

Special Lecture on 'Towards a Methodology for Human Science', HSS Department, IIT Kharagpur, 2 February 2011.

Invited talk on 'Optimism and behavior change', Psychology Department, Jamia Millia Islamia, 24 February 2011.

'Literature, and Human Rights', Pondicherry University, Puducherry, 29 February 2011.

'Perspectives on Self and Identity' Keynote address, National Seminar on Cultural Transformation of Self and Identity, Kumayun University, Almorah, 26 February 2011.

**Prof. Ashum Gupta:** Organized International Seminar in collaboration with Ramakrishna Mission on 'Swami Vivekananda's Vision of the Unity of the East and the West', University of Delhi, 14 February 2011.

'Social Emotional Learning and Education', invited to speak a respondent at the International Conference on Science and Spirituality: Education, organized by Namgyal Institute of Tibetology, Gangtok, 20-23 December 2010.

Invited lecture 'Phonological and orthographic skills in bilingual children with dyslexia', at the International Conference on Cognitive Development at Centre of Behavioural and Cognitive Sciences, University of Allahabad, 10-13 December 2010.

Invited presentation 'Developing life skills in youth at risk: The challenges of social inclusion' in International Conference on life Skills Education at Rajiv Gandhi National Institute of Youth Development, Sriperumbudur, 8-10 December 2010.

Invited participation in International Conference on 'Contemplative Science: The Scientific Study of the Effect of Contemplative Practice on Human biology and Behaviour', India Habitat Centre, New Delhi, 20-23 November 2010.

'Assessment of dyslexia in Hindi: A language specific approach' (Jamal, G. and Gupta, A.) Paper presented in XX Annual Conference of NAOP at JNU, New Delhi, 14-16 December 2010.

**Dr. V. Saxena, Dr. Ashum Gupta, Dr. S. Khushu, Dr. S. Modi and Dr. S. Prakash:** 'Neuropsychological and fMRI investigation of patients with mild cognitive impairment: A case study approach'. Paper presentation in XXth Annual Conference of NAOP at JNU, New Delhi, 14-16 December 2010.

Organized and participated in a special lecture on 'Attention Network Systems' by Prof. Michael Posner from University of Oregon, USA in the Department of Psychology, University of Delhi, 15 December 2010.

'Managing the deteriorating bonds of personal and social relationship', special address delivered in the National Seminar, Department of Psychology, Mahila College, Lucknow, 22 October 2010.

'Emotional and behavioural problems of children', invited lecture at the Orientation Programme for Parents, DUWA, University of Delhi, 23 April 2010.

**Prof. Anand Prakash:** Organized an International Conference on Advances in 'Military Psychology: Soldier Preparedness' with collaboration of DIPR, Delhi, 10-12 March 2011.

Conducted Workshop as visiting faculty on 'Qualitative Research Method' organized by Department of Psychology, University of Calcutta, ICSSR, Delhi, 10-12 December 2010.

Organized a Symposia on 'Teaching and Research in Psychology in India' during National Academy of Psychology Conference, JNU, New Delhi, 11-16 December 2010.

Delivered an invited State-of-the-Art lecture on 'Meaning of Work in Indian Perspective' National Academy of Psychology Conference, JNU, New Delhi, 11-16 December 2010.

Delivered a lecture on 'Qualitative Research Methodology: A Perspective of Narrative analysis' at Zakir Hussain Center for Educational Studies, JNU, New Delhi, 26 November 2010.

Participated in National Seminar on 'Cultural transformation of Self and Identity' as keynote speaker on notion of Self and Agency', Kumaon University, Almorah, 25-26 June 2010.

Conducted Workshop on 'Mentoring and coaching' at Indian Institute of Management, Lucknow, 6 May 2010.

**Dr. Suneet Varma and Dr. Eric Soreng:** XXth Annual Conference of the National Academy of Psychology, JNU, New Delhi. Invited Symposium Indian Psychology, 12-15 December 2011.

'**Dr. Suneet Varma:** Introducing Indian Psychology' at University of Delhi: Reflections. XXth Annual Conference of the National Academy of Psychology, JNU, New Delhi, 12-15 December 2011.

**Dr. Eric Soreng:** 'Sacred, Scientific and Secular Symbols: Interpretation of Tibetan Myth of Creation', Navagraha Temple in Guwahati: Meaning and Significance of Phallic Worship in India.

National Conference on Individual and Collective Transformation: Insights from Indian Psychology, organized by the Department in collaboration with India International Centre, 5-7 February 2011.

'Shipa po-ye-Lek juk (Transformation of Knower): Revisiting Tibetan Book of the Dead and Myth of Oedipus' Myth of Lengtonghoih: Soul and Shamanism in Paite of Manipur Kiya Nela Aketer Nisung: Concerning the Origin and Narratives of Ao Naga Shamans.

**Dr. Alka Bajpai:** 'Emotional Climate as a mediator of organizational politics in knowledge based organizations' abstract published in the souvenir of XX<sup>th</sup> Annual Conference of National Academy of Psychology, Zakir Hussain Centre for Educational Studies, JNU, 12-15 December 2010.

## **Publications**

### *Books*

**Misra, G. 2011.** *Psychology in India Vol. 4: Theoretical and methodological Developments.* New Delhi: Pearson.

**Misra, G. (Ed.) 2011.** *Handbook of Psychology in India.* Oxford University Press.

**Varma, S. (Ed.).** *Integral Psychology: Writings of Indra Sen.* Puducherry: Sri Aurobindo Ashram Press.

**Vohra, S.S. 2011.** *Flourishing Positivity in Young Women - An Intervention Study.* LAP LAMBERT, Germany.

**Feldman, R.S. and Babu, N. 2011.** *Discovering the Lifespan.* Delhi: Pearson.

**Varma, S. and Patel (Eds.) 2011.** *The Integral Existence.* Auroville: Auroville Press.

**Vohra, S.S. and Kailash, S. 2011.** *Psychology of Turbulent Relationships - Research, Cases and Interventions.* New Delhi: Icon Publications.

**Cornellisen, M., Misra, G. and Varma, S. (Eds.). 2011.** *Foundations of Indian Psychology, Vol. 1. Concepts and theories.* New Delhi: Pearson.

**Cornellisen, M., Misra, G. and Varma, S. (Eds.). 2011.** *Foundations of Indian Psychology, Vol. 2. Practical Applications.* New Delhi: Pearson.

Edited special issue of Psychological studies on 'Contemporary Perspectives on Self and Identity' March 2011.

### *Research articles in Books or Scholarly Journals*

**Gupta, A. 2011.** Reading development and bilingualism: Implications for teaching-learning process Read 2011, 27-36.

**Misra, G. 2011.** Psychology through the works of Professor J.B.P. Sinha : Some reflections. In Pandey, J., Sinha, T.N. and Sinha, A.K. (Eds.) *Dialogue for development* (pp.58-66). New Delhi: Concept Publishing Company.

**Misra, G. and Mohanty, A.** In C.A. Chapell (Ed.). *The Encyclopedia of Applied Linguistics*. Oxford, UK: Wiley-Blackwell.

**Misra, G. and Pandey, J. 2011.** Psychology and Societal Development. In Paul R. Martin, Fanny M. Cheung, Michael C. Knowles, Michael Kyrios, Lyn Littlefield, J. Bruce Overmier, and José M. Prieto (Eds.) *The IAAP Handbook of Applied Psychology*. (pp.588-602), Oxford: UK Blackwell Publishing Ltd.

**Prakash, A. 2011.** Exploring the Images used for Individual-organization interface: Experience and reflections. In *Foundation of Indian Psychology Practical Application*, Vol. II, (Eds. Cornellissen, R.M.M., Misra, G. and Varma, S.). Pearson: New Delhi.

**Prakash, A. 2011.** 'Organizational Behaviour in India: An Indigenous Perspective'. In Misra, G. (Ed) *Handbook of Psychology*. Oxford University Press.

## PHILOSOPHY

### M.Phil. Degree awarded

M.Phil. - 1

### Appointment of Faculty members to higher Posts/Assignments

**Dr. Ashok Vohra:** Appointed an external expert Calcutta University, Kolkata; Pondicherry University, Puducherry; Mahatama Gandhi University, Kottayam by the UGC on the SAP programs: Member of the Indian Council of Philosophical Research by Government of India throughout the year.

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, Bangaluru; Indian Journal of Analytic Philosophy, published from Utkal University, Bhubaneshwar; 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.

Visited Foundation Maison des Sciences de l'Homme, Paris, France, 16 June to 16 July 2010 under the Exchange Program between the Indian Council of Philosophical Research, New Delhi and the French Government to work on project titled 'The concept of Body: A Comparative Study of M. Merleau-Ponty and Ludwig Wittgenstein'.

**Dr. Bindu Puri:** Appointed a reviewer for *The International Journal Sophia*, (Ms.SOPH310).

**Dr. Shashi Motilal:** Visiting Faculty, Department of Philosophy, Carleton University, Ottawa, Ontario, Canada.

### **Seminars/Conferences attended**

**Dr. Ashok Vohra:** Delivered a Lecture on 'Hospitality in Hindu Scriptures' in the International Round Table Conference on 'Hospitality in the Holy Scriptures' Pallazzo delle Opere Sociali, Vicenza, Italy during the Sixth Festival Biblico 2010 – Bible Festival 2010, 30 May 2010.

Lecture on 'Adi Sri Samkaracharya aur Mandan Mishra Samvad: Samkalin Baudhik Samaj ke liye Naitik Nishkarsh', in the National Seminar on 'The Philosophy of Mandan Mishra', at BN Mandal University, Madhepura, 27-29 August 2010.

Delivered the keynote address titled 'Lifestyle and Meaning of Life', Symposium on 'Prevention is Better than Cure: Ways to Keep Lifestyle Diseases at Bay', organised by Department of Zoology, Hindu College, Delhi University, Delhi, 8-10 September 2010.

Lecture on 'Conflict Resolution: Lessons from Hinduism', National Round Table Conference on Need to Promote the Culture of Peace in the World', World Peace Centre, MAEER's MIT, Pune, 2-3 October 2010.

Lecture on 'Dharma and *Dandaniti*: Mirror of Social Justice and Human Rights' in National Seminar on 'Human Rights and Social Justice' at Utkal University, 8-10 October 2010.

Delivered a series of four lectures on 'Wittgenstein's Theory of Consciousness' in the Department of Philosophy. Pondicherry University, Puducherry, 12-13 October 2010.

Delivered First Philosophy Day Lecture on 'Lifestyle, Values and Meaning of Life' at the Indian Institute of Technology, Guwahati, 30 November 2010.

Lecture on 'Moral and Religious Beliefs: Are the Two Related?' in the National Seminar on 'Morality and Religion' at Calcutta University, Kolkata, 4 February 2011.

Lecture on 'Human Rights Discourse: Eastern and Western' in the International Seminar on 'Liberalism, Human Rights and Multiculturalism' at India International Centre, New Delhi, 22-23 February 2011.

**Dr. Bindu Puri:** Presented paper entitled, 'Gandhian secularism; A possible re-construction international Seminar on 'Multiculturalism and Religious Identity' by the Department of Philosophy University of Ottawa, Ontario, Canada, 24 September 2010.

Invited to deliver the talk on Re-constructing a paradox in Liberalism; A Gandhian Perspective. Carleton Philosophy Colloquium, at Department of Philosophy, University of Carleton, Ottawa, Canada, 23 September 2010.

Invited to deliver a lecture 'Gandhi: Violence and Non-violence' in the context of the Bhagavadgita as part of the series entitled *Public Conference* by the Departments of Religious Studies and Philosophy at the University of Ottawa, Canada, 22 September 2010.

Presented a paper 'Liberty and Virtue' International Seminar on, Liberalism Human Rights and Multi Culturalism organized at IIC by ICPR and Delhi University, 21-22 February 2011.

Invited to present a paper Reading discourses on Consciousness; the Tagore Gandhi debate, colloquium on Reading Discourses on consciousness on World Philosophy Day, Centre for Philosophy, JNU, New Delhi, 29 November 2010.

Convener International Seminar on Human Rights Liberalism and Multi Culturalism. The Seminar was funded jointly by the University of Delhi and the Indian Council of Philosophical Research at the IIC, 21-22 February 2011.

Invited to lecture on 'Gandhian secularism and Religious Pluralism' under the ICSSR North Eastern Regional Centre, Special Lecture Series, at ICSSR, North Eastern Regional Center, Shillong, 2 November 2010.

Invited Visiting Fellow to give talks 'Gandhi and Ambedkar: The dynamics of Conflict: Ambedkar and the Case for Conversion'; and 'Gandhi and Ambedkar: The Dynamics of Conflict-Gandhi on Religion and Religious Conversion' at Centre for Ambedkar Studies, University of North Bengal, and Bagdogra, 25-26 March 2011.

**Dr. Shashi Motilal:** Presented a paper on 'Moral Identity, Moral Agency and the Principle of Universalizability', Seminar on Liberalism, Human Rights and Multiculturalism organized by Department of Philosophy, University of Delhi, sponsored by ICPR, New Delhi, 21-22 February 2011.

Presented paper on 'Feminist Ethics and Human Moral Agency: A Plea for Gender Neutral Ethics' in the UGC Sponsored National Seminar on Visibility/Invisibility: An Enquiry into the Conditions of Women in India organized by the departments of Philosophy, Political Science and History, Maulana Azad College Kolkata, 21-22 February 2011.

Lecture on 'The Ethics of Climate Change' at the Annual Philosophy Day 'Eidos' organized by Kamala Nehru College, University of Delhi, December 2010.

Panelist in the Round Table Colloquium on 'Reading of Discourses on Consciousness' organized by the Centre for Philosophy, JNU, to mark World Philosophy Day, November 2010.

Symposium Lecture on 'Principle of Universalizability, and the 'Alienated Other' in the Symposium Question of Identity and the Clash of Civilizations at the 85th session of the Indian Philosophical Congress organized at Guwahati University, Assam, October 2010.

**Ajay Verma:** Presented a paper on 'Verbal Holism in Indian and Western Theories of Meaning' in National Seminar on Theory of Meaning in Indian and Western Philosophy in University of Allahabad, 12-13 February 2011.

Presented a paper on 'Was there ever a Hermeneutical Turn in Indian Philosophy?' in The Text and Its Interpretation: Indian Philosophical Context Department of Philosophy and Religion, Banaras Hindu University, Varanasi, 11-13 January 2011.

Lecture on 'Internalist and Externalist Debate in Human Rights Discourse: A Comparative Study of Ambedkar and Gandhi' in the International Seminar on 'Liberalism, Human Rights and Multiculturalism' held at India International Centre, New Delhi, 22-23 February 2011.

Panelist in the Round Table Colloquium on Reading of Discourses on Consciousness organized by the Centre for Philosophy, JNU, to mark World Philosophy Day, November 2010.

### **Publications**

**Vohra, A.** 'Ambedkar's Views on Buddhism' Review of B.R. Ambedkar, the buddha and his dhamma: A Critical Edition, edited, introduced and annotated by Rathore, A.S. and Verma, A. New Delhi: Oxford University Press, 2011, *The Tribune*, 13 March 2011.

'Why Ambedkar Chose Buddhism', *The Sunday Pioneer*, 6 March 2011.

'A world apart' Review of S. Mitra Kalita's *My Two Indias: A Journey to the Ends of Opportunity*, Harper Collins, 2010, *The Sunday Pioneer*, 20 February 2011.

'Women weren't Damned in Ancient Times', *The Sunday Pioneer*, 6 February 2011.

'Guru Nanak Dev and Vedanta', *The Times of India*, 20 November 2010.

'Reinterpreting the Great War' Review of Devdutt Pattanaik's *Jaya: An Illustrated Retelling of the Mahabharata*, Penguin, 2010, *The Sunday Pioneer*, 14 November 2010.

'Gita and Renunciation', *The Times of India*, 1 November 2010.

'Big Bang Secrets', Review of *The Edge of Reason: Dispatches from the Frontiers of Cosmology*, by Anil Ananthaswamy, Penguin, 2010, *The Pioneer*, 19 September 2010.

'A Contemporary Religion', *The Times of India*, 4 September 2010.

'Three-in-one Philosophy', *The Times of India*, 16 August 2010. Reprinted in *Consolata*, Toronto, No. 113, March/April, 2011, p.14.

'Your guest, your honour', Inner voice, *Hindustan Times*, 6 August 2010.

'Direct experience is the best', *The Times of India*, 22 June 2010.

'You can't catch Osama, you can't catch me', *The Speaking Tree*, 23 May 2010.

'Discourse on Human Rights', Review of *Hindu Narratives on Human Rights*, by Arvind Sharma, Praeger, California, 2010, *The Tribune*, 16 May 2010.

**Dr. Bindu Puri:** *Secularism and the Devout; A Gandhian Reading* in the volume, *Grounding Morality: Freedom, Knowledge and the Plurality of Cultures*, edited by Sharma, J. and Raghuramraju, A., New Delhi: Routledge, 2010.

**Motilal, S. (ed.) 2010.** '*Applied Ethics and Human Rights: Conceptual Analysis and Contextual Applications*'. London: Anthem Press.

**Verma, A. 2011.** B.R. Ambedkar's *the buddha and his dhamma: A Critical Edition*, Edited, Introduced and Annotated by Rathore, A.S. and Verma, A., New Delhi: Oxford University Press.



**Mitra, E. 2011.** Wittgenstein on the Foundations of Language: A Non-Foundational Narration. Humanities and Social Sciences (*The Journal of Indian Institute of Advanced Studies*) Shimla. 6: 165-200.

*Research Articles in Books*

**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.) Chattopadhyay, D.P., 25: 449-468. PHISPS, New Delhi.

## PUNJABI

### Major Activities

The Department of Punjabi organized more than 12 successful literary events. A National Seminar, Special Lectures under Parvaasi Punjabi Sahit lecture-series and Memorial Lecture etc. Keeping in mind the scarcity of standard text-books in Punjabi and changed academic scenario of the University, the Department took a significant initiative related to the preparation of 16 new text-books (Anthologies) for Under-graduate Courses in Punjabi, to be taught under semester mode from the academic session 2011-2012. The Department received overwhelming response from the teaching community in this regard.

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, Diaspora series annually. The platform provided by the department for live wire interactions among thinkers, writers and teachers on one hand, and between the intellectuals and the students on the other hand, has ensured that the department remains at the centre of Punjabi literature and culture's dynamic transformation through the decades.

### M.Phil. Degrees awarded

M.Phil. - 6

### 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 known Semiotician and Feminist thinker Julia Kristeva.	Dr. Manjit Singh	Punjabi University, Patiala



Monograph on an eminent Punjabi Fiction writer Late S. Mahinder Singh Sarna.	Dr. Manjit Singh	Punjabi University, Patiala
Adhunik Punjabi Kavita: Virachnatmak Virachnatmak Padat.	Dr. Kulvir Gojra	University of Delhi
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 (Govt. of Delhi, NCR); Continued as President of Kenderi Punjabi Sahit Sammelon, Delhi (Regd.) — A premier organization of Punjabi literary, intellectuals and cultural groups of Delhi, Punjab and Haryana; Nominated convenor of Punjabi Bhasha Samiti of K.K. Birla Foundation for the purpose of Saraswati Samman, one of the most prestigious literary award of India; Member of the Jury for the selection of ‘Bāl Sahityā Puraskār’ (2010) instituted by Sahityā Akademi (National Academy of Letters), Delhi; Expert member of Delhi Zone Tagore Commemoration Committee (DZTCC) for recommending projects and programmes for grant under Commemoration Grant Scheme (CGS), Ministry of Culture, Govt. of India, External Expert for the Board of Under-graduate Studies in Punjabi of Punjabi University, Patiala; External Expert for the Board of Punjabi Courses (Post-graduate) of Guru Nanak Dev University, Amritsar; Member of Seminār Committee of World Punjabi Centre, Punjabi University, Patiala (Punjab).

**Prof. Kuljit Shellie:** Chairperson Education Matters in International Council of Punjabi, Delhi.

### **Seminars/Conferences held**

The Department organized a face-to-face programme with Janāb Nidā Fāzli eminent Urdu poet of international repute from Gorakhpur on 28<sup>th</sup> April 2010. Janab Madan Mohan Dānish and Janāb Nāzim Naqvi two other eminent Urdu poets also meaningfully participated and addressed the august audience.

The Department organized an orientation and Counseling session on the occasion of beginning of the new academic session (2010-2011) on 22<sup>nd</sup> July 2010. After the counseling, a documentary ‘Uddasees (Spiritual travels) of Guru Nanak Dev’, reknowned film-maker Navalpreet Rangī, was shown. Mr. Rangī also addressed the audience.

The Department in collaboration with Punjabi Academy, Delhi organized a National Punjābi Kavi-Darbār dedicated to the Indian Independence Day on 12<sup>th</sup> August 2010. Shri Surjit Pāttar, Swaranjeet Sawi, Sukhwinder Amrit, Jaswant Zafar, Ms. Jasleen and Dr. Mohanjit and other eminent Punjābi poets from different parts of India recited their patriotic poems on this occasion.

**Prof. Joga Singh:** Eminent Linguist, Head Department of Linguistics and Punjabi Lexicography, Punjabi University, Patiala delivered an extension lecture on 'Transformational Grammar' on 25 August 2010.

**Prof. Dev Raj Vij:** Former Dean, College Development Council, Punjabi University, Patiala delivered Dr. Attar Singh Memorial Lecture on 'Education, Psychology and Teaching Methods' on 15 September 2010.

On the occasion of Silver Jubilee Celebrations of the Department, a special face-to face function was organized with Shri Navtej Bhārti and Shri Ajmer Rode an eminent Punjabi poets from Canada and Shri Gurdev Chauhan – a known Punjabi poet from Punjab, recited their poems and addressed the august audience on 29 November 2010.

A face-to-face programme with Dev an eminent Punjabi-English Poet and Artist of international repute from Switzerland, which was presided over by famous Hindi poetess and thinker Dr. Anāmikā on 31 January 2011.

**Dr. Davinder Kaur and Janāb Mushtāq:** Known Punjabi poet and literary thinkers from U.K. addressed the faculty members and recited their poems on 22 February 2011 in a face-to-face programme of the Department.

The Department organized a National Seminar on 'Punjabi Culture and Media: Inter-Dialogue' in collaboration with Punjabi Academy, 30-31 March 2011

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

**Dr. Manjit Singh:** Delivered two lectures on 'Myth, Art and Literature: Globalee Peripekh' and 'Poetics of Gurbani' in a Refresher Course organized by the Academic Staff College, Punjabi University, Patiala on 4 October 2010.

Delivered an Extension Lecture on 'Guru Nanak's Vision on Inter-faith Dialogue' in a specially organized function by Sikh Sangat at Allahabad, 21 November 2010.

Delivered an Extension Lecture on 'Significance of Research Methodology' organized by the Punjabi department, Jammu University, Jammu, 17 December 2010.

Presented a paper on Dr. H.S. Chawla's book entitled '*Harimandar Sahib Di Kalā Ate Hor Lekh*' in a Seminar organized by Punjabi Sahit Sabhiachar Sangathan in collaboration with Punjabi Academy, Delhi, 19 February 2011.

Presented a research paper entitled 'Banda Singh Bahadur : Punjabi Poetic Response' in National Seminar on 'Life, Times and Achievements of Baba Banda Singh Bahadur' organized by Sri Guru Nanak Dev Khalsa College, Dev Nagar, New Delhi, sponsored by UGC and Punjabi Academy, Delhi, 25-26 February 2011.

Delivered an Extension Lecture on 'Semiotics of Gurbani' organized by the Punjabi Department, Jammu University, Jammu, 3 March 2011.

Presented a research paper entitled 'Feminist Study of Sufi and Gurmat Poetry' in Extension Lecture organized by the Department of Punjabi, Jammu University, Jammu, November 2010.

Presented a keynote address on 'Madhkali Punjabi Sahit: Punar-Mulakann' at the National Seminar organized by Dyal Singh College.

Presented a research paper in International Seminar on 'Parvaasi Punjabi Sahit De Sandarbh Ate Sarokaar' organized by Dyal Singh College, 11 February 2011.

**Prof. Kuljit Shellie:** Presented a research paper 'Contemporary Relevance of Sufism' in national Seminar organized by Guru Nanak Studies, SPM College.

Presented a research paper 'Impact of Islam on Punjabi Poetry' organized by the Department of Punjabi, Jammu University, Jammu, March 2011.

Presented a research paper entitled 'Punjabi Literature: Feminist Perspective' in Golden Jubilee Celebration of the Department of Modern Indian Languages and Literary Studies.

**Dr. Jaspal Kaur:** Presented a research paper 'Canada Di Punjabi Kavita : Paathaki Parath' International Seminar on Parvaasi Punjabi Sahit De Sandarbh Ate Sarokaar organized by the Dyal Singh College, 11 February 2011.

**Dr. Kulvir Gojra:** Presented a research paper entitled '*Vigiyān De Vidyarthian Layi Sahit De Adhyān Te Adyapan Da Mahatav*' in a National Seminar on 'Punjabi Bhasha Adhyān Te Adyapan : Virsa Te Vartmaan' organized by School of Punjabi Studies, Guru Nanak Dev University, Amritsar, 10-11 February 2011.

Presented a research paper entitled '*Electronic Media De Daur Vich Punjabi Bhasha De Parchar Te Parsaar Da Maslā*' in a National Seminar on Punjabi Culture & Media : Inter-dialogue organized by the Department of Punjabi, University of Delhi in collaboration with Punjabi Academy, Delhi, 30-31 March 2011.

### **Publications**

**Singh, M. 2011.** *Sahitak Virse Di Sambādikta*, Delhi: Arsee Publishers.

*Punjabi Swae-jeevani Ansh* (ed.), 2011, (Prescribed Text-book), Delhi: Manpreet Parkashan.

**Singh, M. and Kaur, J. 2011.** *Puratan Punjabi Sahit : Roop Te Roopakār*, (co-ed.), (Prescribed Text-book), Delhi: Manpreet Parkashan.

**Singh, M. and Bindra, J. 2011.** '*Anant Kathavān*', (co-ed.), (Prescribed Text-book), Sangam Publications, Samānna.

**Singh, M. and Gojra, K. 2011.** '*Chonnvein Punjabi Ikāngi*' (co-ed.), (Prescribed Text-book), Delhi: Arsee Publishers.

**Singh, M. and Sarang, R. 2011.** '*Kaav Kannian Vāigeon Paar Dian*' (co-ed.), (Prescribed Text-book), Delhi: Manpreet Parkashan.

**Shellie, K. 2011.** '*Punjabi Sufi Kāv Surān*' (ed.), (Prescribed Text-book), Delhi: Manpreet Parkāshan.

**2010.** Contributed a chapter on Punjabi Language in Women's Literature in Indian Languages (1850 -2000), edited by Vol. I & II, Punjabi Chapter, pp. 518-572 in English and Marathi. A joint venture by Bharati Vidyapeeth University, Pune and Sahityaprem Bhagini Mandal, Pune.

**Kaur, J. 2010.** *'Paath Sidhānt Te Pāthki Parvachan*, Chetna Parkāshan, Ludhiana, Punjab.

**Gojra, K. 2011.** *Rang-Birangi Duniyan'*(ed.), (Prescribed Text-book), Delhi: Arsee Publishers.

## SANSKRIT

### Major Activities

The Department of Sanskrit engaged itself in numerous activities pertaining to the academic metamorphosis going on in the University. The Department introduced entrance test of high standard in both M.Phil. & Ph.D. for academic reform. Simultaneously, it introduced semester system in M.A. successfully. For introducing semester system at UG level, the Department prepared a new syllabus, which consists of many new papers. The syllabus was highly appreciated for incorporating Mathematics, Science, Technology, Logic, Aesthetics, Theatre, Astrononmy etc. found in ancient Sanskrit texts. This initiative would definitely establish Sanskrit as a discipline, not merely as a literature.

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

Ph.D.	-	12
M.Phil.	-	15

### New Additions

Prof. Ramesh Bhardwaj	-	Prof. Shashi Prabha Kumar
Dr. Om Nath Bimali	-	Dr. Bhartendu Pandey
Dr. Meera Dwivedi		

### Appointments of Faculty members to higher Post/Assignments

**Prof. Dipti Tripathi:** Appointed Director of National Manuscript Mission, IGNCA, New Delhi.

**Prof. Mithilesh Chatruvedi:** Nominated by H.E. the Governor of Sikkim as Member, Namgyal Institute of Tibetology, Gangtok.

### Seminars/Conferences held

The Department in collaboration with Wider Association for Vedic Studies organized a lecture cum demonstration by Dr. S. Kalyanaraman, Director, Saraswati Research Centre on *'Indus Civilization, Indus Script and Sanskrit Language'* on 24 November 2010.

The Department organized a talk in the South Campus on *Some Problems in Indian Philosophy'* by Prof. Bina Gupta from University of Missouri, USA on 17 January 2011.

Prof. Narendra Nath Choudhary Memorial Lecture Series, Mr. Balmiki Prasad Singh, H.E. Governor of Sikkim delivered a lecture on '*Bahudha Dristi*', 28 February 2011.

The Department organized lecture series on *Bhavabhuti's Uttaramacarita* by Dr. Ramashray Sharma on 25-27 March 2011.

### **Seminars/Conferences attended**

**Prof. Shakuntala Punjani:** International Conference 'Science, Spirituality and Humanity'. All India Oriental Conference Prahlad Kumar Smarh Sansthan.

**Prof. Ramesh C. Bhardwaj:** Presented a paper on '*The Indo-Iranian Calendar system and Nouraz in Central Asia*' International Conference at world Nouruz Celebration at Tehran, Iran on 28 March 2011.

**Dr. Om Nath Bimali:** Participated in Prakrita Vyakarana Workshop at SLBS Vidyapeeth, Delhi as expert on Panini.

**Dr. Bhartendu Pandey:** Presented a paper on '*Abhidhadinam Vaijnanikam Vislesanam*' in UGC sponsored National Seminar on Defining Indian Psychology : Probabilities and Challenges at Sanatan Dharma College, Ambala Cantt. on 29 October 2010.

Presented a paper on '*Raghuvamsasya Yamakam Drutavilambitena Prakrtivarnansya Parampara*', at Kalidas Samaroha, Ujjain in November 2010.

**Dr. Purnima Kaul:** Participated in 14th India Conference of WAVES in Delhi.

Participated in Conference held in the Department of GRS, D.U.

**Dr. Satyamurti:** Presented a paper on '*Advaita Vanmaya Mem Pratibimbata Bodh Vidhi*' at Sagar, MP, November 2010.

Presented a paper on '*Kalidasa Ki Kritiyom mem Pratibimbata Rajavyavastha*' in Kalidasa Samaroha, Ujjain, November 2010.

### **Publications**

**Punjani, S.** A Journey from Dvaita to Advaita : A Vedantic View.

Ethics in Islam and Hinduism.

Peace : A spititual Value.

Vedia Samhitaom Mem Arogyavardhaka Mantra.

**Kaul, P.** Palaeographic Study of the Bower Manuscript.

## URDU

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

Ph.D.	-	6
M.Phil.	-	14

### Seminars/Conferences held

Annual Ghalib Memorial Lecture: This lecture was delivered by Prof. Tahir Mehmood, Ex-Chairman, National Minority Commission, 29 December 2010.

Annual Nizam Urdu Lectures: This lecture was delivered by Jb. Wajahat Habibullah, Ex-Chief Information Commissioner of India, 2 February 2011.

Valedictory Function of Golden Jubilee, 29 March 2011. Shri Kapil Sibal, Hon'ble Human Resource and Development Minister, Govt. of India was Chief Guest and Shri Sachin Pilot, Hon'ble Minister of State, Telecommunications was also guest of this function.

## FACULTY OF SCIENCE

### ANTHROPOLOGY

#### Major Activities

Under Special Assistance Programme of UGC for this academic year, the Department conducted fieldwork at Sirmour, Himachal Pradesh. The SAP report titled 'Bio-Anthropological Study of Sirmour, Himachal Pradesh' was based on the field work conducted in the district of Sirmour in Himachal Pradesh under the fourth year of SAP. Another fieldwork was also conducted under SAP to understand the Genetic and Genomic Diversity among the people of Bilaspur, Kangra, Solan and Mandi districts of Himachal Pradesh. Data was compiled and analyzed for all serological, biochemical and various molecular markers. After approval of the progress report by the UGC committee, SAP programme was recommended for the fifth year.

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

Ph.D.	-	9
M.Phil.	-	13

#### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Prevalence and covariates of overweight/obesity among children and adults in	Prof. Satwanti Kapoor	UGC

urban population of North India and to establish anthropometric indices for general and regional obesity.

Prevalence of obesity and selected risk factors among tribes of India. Prof. Satwanti Kapoor ICMR

Study of air pollution and DNA methylation vis-à-vis cardiovascular outcomes/ variables in rural and urban populations of north India. Dr. K.N. Saraswathy DBT

Status of Crime against Women in Eastern India. Dr. R.P. Mitra Ministry of Home Affairs Govt. of India

### **Programmes taken up involving inter-institutional collaboration.**

Workshop on Impacts of Floods in Uttar Pradesh. Principal Investigator Prof. P.C. Joshi Sponsoring Organization European Commission and GIDS. Microdis Project of the Department of Anthropology collaborated with Giri Institute of Development Studies, Lucknow .

International Conference on Disaster Impact and Assessment held at Hue University Vietnam. Principal Investigator Prof. P.C. Joshi, Sponsoring Organization European Commission: Microdis Project of the at Department of Anthropology collaborated with Hue University, Vietnam and Catholic University of Louvain, Belgium.

A case-control study of global and MTHFR gene specific methylation vis-à-vis pregnancy complications in north Indian population. Principal Investigator Dr. K.N. Saraswathy Sponsoring Organization Department of Biotechnology-Collaborated project between Department of Anthropology and Lady Hardinge Medical College.

### **Appointments of Faculty members to higher Posts/Assignments**

**Prof. A.K. Kapoor:** Appointed Member of the 'Technical Advisory Committee of Biological Sciences Division', Indian Statistical Institute (ISI), Kolkata.

**Prof. Subhadra Channa:** Visiting Prof. under SAP-UGC Program to Kannaur University, Kerala, 5-10 December 2010.

**Dr. S.M. Patnaik:** UGC Visiting Prof. Department of Anthropology, Ranchi University, 15-21 March 2011.

UGC Visiting Prof. Department of Anthropology, S.V. University, Tirupati, 8-12 March 2011.

Member, Curriculum Development Committee for Masters' Programme at IGNOU, New Delhi.

## **Honours/Distinctions**

**Prof. P.C. Joshi:** Special Invitee, Research Advisory Committee, Ministry of Tribal Affairs, Government of India, 2010; Expert Member, School Board of School of Social Sciences, University of Hyderabad, 2010; Expert Member, D.N. Majumdar Endowment Board, Lucknow University, Lucknow, 2011; Expert Member, Planning Commission, Government of India Sub-group for Capacity Building and Public Awareness in Disaster Management for 12th Five-Year Plan; Presented with Certificate of Appreciation, Xavier University, Cagayan de Oro, Philippines, October 2010; Expert Member, Sub Group on Capacity building for disaster mitigation at Centre, State and district levels with special reference to rural and urban area with focus on educational institutions. Planning Commission, Government of India, 12th Plan. 2011.

**Prof. Subhadra Channa:** Awarded the Sarat Chandra Roy Memorial Medal for outstanding Contribution to Cultural Anthropology by the Asiatic Society.

## **Seminars/Conferences attended**

**Prof. A.K. Kapoor:** Attended National Seminar on Globalization, Urbanization and Migration: Anthropological Dimensions of Trends and Impacts, Panjabi University, Chandigarh, 27-28 January 2011.

Attended National Seminar on Bio-cultural Diversity and Sustainable Development: Contemporary Issues and Consequences, Sri Venkateswara University, Tirupati, 11-12 March 2011.

**Prof. P.C. Joshi:** Delivered a talk entitled 'Social Impact of floods in Bahraich, India' under Seminar Series of the Institute of Public Health, Heidelberg University, Heidelberg, Germany, 6 July 2010.

Visited Geneva, Switzerland to participate in the 20th IUHPE World Conference on Health Promotion.

Visited Hue University, to participate in the International Asian Symposium on 'Disaster Impact and its Assessment'. Hue City, Vietnam, 25-27 August 2010.

Visited Xavier University to participate in Scientific Conference on 'Impact of Natural Disasters in Asia: Research Results, Methods and Tools'. Cagayan de Oro, Philippines, 4-5 October 2010.

Visited Citizens' Disaster Response Centre to Keynote Speech in a Conference on 'Disaster and its Response'. Tagayatey, Philippines, 6 October 2010.

Visited Universitas Indonesia to participate in 'Indonesian Workshop of Disaster Impact and Researches'. Jakarta, Indonesia, 4 November 2010.

Visited Heidelberg University to participated in International Symposium on 'Health and Health Systems Impacts of Natural Disasters'. Heidelberg, Germany, 18-19 November 2010.



Delivered Inaugural Address in National Seminar on 'Ethics and Medical Anthropology', GB Pant Social Science Institute, Allahabad, 25-26 February 2011.

**Prof. Subhadra Channa:** Presented a paper 'How Gods Communicate? Mystical Language and Beliefs in Himalayan Communities' in International Interdisciplinary Conference on 'Language, Culture and Civilization: East and West' jointly organized by School of Languages, Literature and Culture Studies, JNU, New Delhi and Davis and Elkins College, West Virginia, (USA), Society for Indian Philosophy and Religion, 20-22 July 2010

National Conference on 'Ageing and Environment in the New Millennium - The Indian Situation' organized by the Asiatic Society Title of Paper, 'Imagining Old Age: Cultural Interpretations of a Physiological Phenomenon'.

Read a paper 'Exploring women's movements in Urban Space: Cultural Control and Sexual Metaphors' in International Conference on 'Mega Urbanization, organized jointly by Commission on Urban Anthropology and the Commission on Human Rights of the IUAES. As Chair of the Commission on the Anthropology of Women, Organized a panel and chaired it 'Gendering Urban Space, Kolkata, 14-16 February.

National Conference on a Gendered Approach to Material Culture: Representations and Practices. Title of Paper read, 'Marking Bodies: Dress and Ornaments as signs of social and sexual status', Bhopal, 23-24 March 2011.

Delivered public lecture at Kannaur in Kerala on 'Climate Change: Global issues, local solution' in December 2010.

Delivered Public lecture on 'Climate Change and Its Implications for a Globalized World' at the Indira Gandhi Rashtriya Manav Sangrahalay, Bhopal, 8 January 2011.

**Prof. Satwanti Kapoor:** National Seminar on Medical Anthropology, Utkal University, Bhubaneswar, 24-25 March 2011.

**Dr. S.M. Patnaik:** 'Leisure, Tourism and State Policy in Nagaland' at Annual Conference of International Sociological Conference, Gottenberg, Sweden, 11 July 2010.

Participated as Indian Representative as President, Indian Anthropological Association at a Biennial Meeting of World Council of Anthropological Associations (WCAA) at Maynooth, Ireland and presented a talk on Indian Anthropology, 24 August 2010.

Discussant at a Seminar on 'Exploring Disability Experience in Social Science Research' at School of Social Sciences, JNU, New Delhi, 27 March 2011.

'Leisure, Tourism and State Policy in Nagaland' at IUAES Inter Congress on 'Mega Urbanisation and human rights' at Kolkatta, 15 February 2011.

**Dr. M.K. Singh:** Presented a paper entitled 'The First Hominids of South Asia' during an Colloque International 'Les premiers peuplements prehistoriques sur les differents continents', organized by Institut de Paleontologie Humaine, Paris, France, al' occasion de la celebration de son centenaire, 2-6 June 2010.

Presented a entitled 'The Lower Palaeolithic Culture of Sagileru Basin, Giddalur, Andhra Pradesh'. During the 98th Indian Science Congress, at SRM University, Chennai, 3-7 January 2011, in the section of Anthropological and Behavioural Sciences.

Presented an entitled 'Modampalli: A New Lower Palaeolithic Site in Andhra Pradesh'. During the special session of the section of Anthropological and Behavioural Sciences of Indian Science Congress, at Panjab University, Chandigarh, 26-27 March 2011.

**Dr. K.N. Saraswathy:** International Conference Brain-to-Society International Roadmap hosted by McGill World Platform for Health and Economic Convergence entitled 'Uncovering the Brain's Role in Obesity' at McGill University, Montreal, Canada.

## **Publications**

### *Books*

**Kshatriya, G.K., Gautam, R. and Kapoor, A.K. 2010.** Population Characteristics of Desert Ecology: Demographic Indicators in Disadvantaged District of Rajasthan, India. VDM Veriag DR. Muller Gimerh & Co. KG, Germany.

**Patnaik, S.M. 2011.** Culture Identity and Development: An account of Team Ethnography among the Bhil of Jhabua. Jaipur : Rawat Publications.

### *Research Articles in Books or Scholarly Journals*

**Kapoor, A.K., Singh, M.K., Kaur, J. and Sinha, R. 2010.** Selection Intensity among Middle Altitude Caste populations of western Himalayas IJAPAHG, 28: 115-121.

**Kapoor, A.K., Bentochik, M. and Lemonde, L. 2011.** 'Race, Culture and DNA Markers: A Perspective among South East Asian populations'. *Hum. Evol. Gen. Prs.*

**Kapoor, S., Tungdim, M. and Kapoor, A.K. 2011.** 'Anthropometry and tuberculosis among tribals in North East India', *Homo – Journal of comparative human biology copyright @2011 elsevier G mbH.*

**Arya, A. and Kapoor, A.K. 2010.** 'Water and Sanitation and its impact on Health: A Case Study in a Tribal Group of Western India'. *Ind. J. Soc. Science and Health*, 7: 11-18.

**Kapoor, A.K., Kaur, J., Dhall, J. and Dhall, M. 2010.** 'Aging, Health and tribe: a Socio-Psychological Dimension'. *Special Volume on Health and well being of Weaker Section of Ind. J. Phys. Anthropol. Hum. Genetics*, 27: 5-12.

**Sinha, R., Kapoor, A.K. and Kapoor, S. 2010.** 'Adiposity Measures and Menstrual Cycle: Do we Envisage a Relation?' *J. Anthropology*.

**Kapoor, S., Dhall, M. and Kapoor, A.K. 2010.** 'Nutritional Status and Ageing among Populations inhabiting varied Geographical Regions in India'. *Perinnieal Books of EAA*, 6: 85-100.

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- Kotwani, A., Wattal, C., Katewa, S., Joshi, P.C. and Holloway, K. 2010.** 'Factors influencing primary care physicians to prescribe antibiotics in Delhi India'. *Family Practice*. 27: 684-690.
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- 2010.** 'Traditional Healing Practices of Scheduled Tribes: Status, Challenges and Future'. In *Tribal Health: Status, Challenges and Possibilities* (Government of MP). pp. 79-82. Tribal Research and Development Institute, Bhopal.
- Joshi, P.C., Guha-Spir D. and Srivastava, V.K. 2010.** 'A Qualitative Account of the Impact of Disaster: The Case of Flooding in Bahraich, Uttar Pradesh'. *The Eastern Anthropologist*. 63, 3-4: 479-492.
- Joshi, P.C. 2011.** 'Emerging Challenges for Disaster Management'. *World Focus*. 375: 131-133.
- Joshi, P.C., Kaushal, S., Aribam, B.S., Khattri, P., D'Oust O., Singh, M.M., Marx, M. and Guha-Sapir, D. 2011.** 'Recurrent floods and prevalence of diarrhea among under five children: Observations from Bahraich district, UP, India'. *Global Health Action*, 4: 6335 – DOI: 10.3402/gha.v4i0.6355.
- Kotwani, A., Wattal, C., Joshi, P.C. and Holloway, K. May 2011.** 'PHP 86. Irrational Use of antibiotics and role of pharmacists : An insight from a qualitative study in New Delhi, India'. *Value in Health*. 14, 3: A27.
- Sharma, K., Joshi, P.C., Kaushal, S., Aribam, B.S., Kataria, H. and Guha-Sapir, D. 2010.** Impact of Cyclone Aila on the Livelihood of the People of West Bengal. Proceedings of Asian Symposium on Disaster Impact and Its Assessment. Hue city, Vietnam. pp. 83-106. (<http://www.microdis.eu.be/sites/default/files/cyclone%20Aila.pdf>).

**Khattri, P., Joshi, P.C., Wind, T., Komproe, I.H. and Guha-Sapir, D. 2010.** Mental Health Impacts as a function of Stressors: Evidence from Recurrent Flooding in Bahraich district, Uttar Pradesh. Proceedings of Asian Symposium 'Disaster Impact and Its Assessment'. (Hue City, Vietnam). European Commission, Belgium, pp. 171-187. (<http://www.microdiseu.be/sites/default/files/Mental%20Health%20Impacts%20as%20a%20function%20of%20stressors.pdf>).

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**Joshi, P.C., Kaushal, S., S. Ranjan Das, J.M. Rodriguez-Llanes, O. D'Ouost, B.Vanden Oever, B.S. Aribam, L. Irvine, Mukhopadhyay, A. and Guha-Sapir, D. 2010.** The Nutritional and health Status of the children in flood and non-flood exposed areas in two districts of India. Poster Presentation. (Geneva, Switzerland). 20<sup>th</sup> IUHPE World Conference on Health Promotion. ([http://www.iuhpeConference.net/downloads/en/100623\\_Programmbook-Final-Version.pdf](http://www.iuhpeConference.net/downloads/en/100623_Programmbook-Final-Version.pdf) p.78).

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'A Ritual Transfer: From the High to the Low in Hindu-Tibetan Himalayan Communities'. In *Transfer and Spaces, 2010* edited by Gita Dharampal-Frick, Robert Langer & Nils Holger in Series Ritual Dynamics and the Science of Rituals, eds Axel Michaels et. al. Wiesbaden: Harrassowitz (Germany). pp. 43-64.

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**Patnaik, S.M. and Gaur, M.** 'Who is Healthy among the Korwa?': Liminality in the Korwa state of Being Medical Anthropology Quarterly, Vol. 25, Issue 1, pp. 85-102.

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**Yaiphaba, S., Meitei, Asghar, Md., N Achoubi Devi, Murry, B., Saraswathy, K.N. and Sachdeva, M.P. 2010.** 'Distribution of ABO and Rh (D) blood groups among four populations of Manipur, North East India'. *Anthropological Notebooks*, 16(2): 19-28.

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## BOTANY

### Major Activities

Protocol for recurrent somatic embryo differentiation in *Calliandra tweedii* and protein profiling of embryogenic and non-embryogenic tissues.

Regeneration of *Jatropha curcus* (bio-diesel Plant) through cotyledonary and hypocotyl explants.

Extraction and evaluation of anticancerous and biolarvicidal compounds from *Psoralea corylifolia*, *Spilanthes* spp., *Centella asiatica* *Artemisia annua* L.

Characterization of sex-linked markers in *Simmondsia chinensis* (Jojoba).

Bioassays conducted through crude extracts of *Artemisia annua* L. in various solvents revealed significant mortality against vectors of malaria (*Anopheles stephensi*), filarial (*Culex quinquefasciatus*), dengue (*Aedes aegypti*) and Japanese encephalitis (*Culex tritaeniorhynchus*).

Filed patents vide Application Nos 1786/DEL/2010 and 1787/DEL/2010 for developing herbal extract and fraction from *Psoralea corylifolia* seeds possessing anticancerous activity.

An 18 KDa protein band was seen to be related to somatic embryogenesis in *Calliandra tweedii*.

*In vitro* method was optimized for the induction of shoots and shoot buds from cotyledonary node and hypocotyl explants excised from one week old *in vitro* seedlings of *Jatropha curcas*.

Taxonomic revision of *Inula* complex in India.

Intraspecific variation in *Panax* (Araliaceae) based on ITS sequences of nr DNA.

Taxonomic relationships among the genera of subfamily Cucurbitoideae (Family Cucurbitaceae) from India inferred from ITS sequences of nuclear ribosomal DNA.

*Agrobacterium* mediated genetic transformation of *Pennisetum glaucum* was successfully accomplished.

Two full length genes associated with apomixis namely Structural maintenance of chromosomes and Receptor kinase have been isolated and characterized.

A large number of AFLP, Retrotransposon and intron based markers associated with apomixis have been isolated and mapped.

Identification of heavy metal tolerant mosses for the bioremediation programme.

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

Ph.D.	-	21
M.Phil.	-	13

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Studies on Reproductive Biology, Genetic Diversity and Eco-Physiology of some Mangroves in India.	Prof. A.K. Bhatnagar	MoEF
All India Co-ordinated Research Project on Reproductive Biology of Four RET Tree Species of Central and Western Himalaya.	Prof. A.K. Bhatnagar	MoEF
Effect of Arsenic (As) on ultrastructure and secondary metabolites of a medicinally important plant and a staple legume.	Prof. A.K. Bhatnagar	UGC
Biochemical events associated with oil body biogenesis and mobilization in Sunflower seeds.	Prof. S.C. Bhatla	CSIR
DNA Barcoding of Selected Species of Dendrobium, an Orchid, for Checking the Applicability of the Concept to Plants.	Prof. S.B. Babbar	DBT
Molecular systematic study of <i>Aralia</i> in India using ITS sequences of nuclear ribosomal DNA.	Prof. Arun K. Pandey	UGC
Taxonomic study of the genus <i>Duhaldea</i> (Asteraceae) in India.	Prof. Arun K. Pandey	DU-R&D
Developmental Biology and Phylogenetic analysis of some endemic species of Podostemaceae.	Dr. Rajesh Tandon Prof. Arun K. Pandey Dr. P.L. Uniyal Dr. Vishnu Bhatt	DU-DST Purse Grant
Molecular aspects of potato tuberization.	Prof. Amar Kumar	DBT
Molecular aspects of plant-nematode interaction.	Prof. Amar Kumar	DU-DST Purse Grant



Genetic improvement of safflower.	Prof. Amar Kumar	DU
Plant retrotransposon biology and genome evolution.	Prof. Amar Kumar	DU
Alpha-Carbonic anhydrases in Dioscorea yam tubers act as storage proteins (dioscorins)-do they also act as defense chemicals?	Prof. R. Geeta Prof. Amar Kumar Dr. Renu Deswal R. Rajagopal	DST-Purse Grant
Biodiversity and in vitro selection of high psoralen yielding clone of <i>Psoralea corylifolia</i> and its mass propagation through tissue culture.	Prof. Veena Agrawal	UGC
Development of Tissue culture protocol for mass propagation using elite <i>Jatropha</i> line & their biochemical evaluation.	Prof. Veena Agrawal	NOVOD (ICAR)
Survey of North Indian Medicinal Plants for their larvicidal activity against malaria and filarial vectors.	Prof. Veena Agrawal	ICMR
To understand the nature of diversity in Lac insects of <i>Kerria</i> spp. in India and the nature of insect x host interactions.	Dr. S. Lakhanpaul	World Bank through ICAR
Program support on Restoration Ecology.	Dr. S. Lakhanpaul	SAIL and DBT
A genomics and proteomics approach to identify, purify and clone antifreeze proteins from seabuckthorn seedling.	Dr. Renu Deswal Dr. S. Goel	DBT
Dioscorins, yam storage proteins-do they have a defensive role to play?	Dr. Renu Deswal Prof. R. Geeta	DST Purse Grant
Reproductive biology of some threatened trees species of Rajasthan.	Dr. Rajesh Tandon	MoEF
Developmental Biology and Phylogenetic analysis of some endemic species of Podostemaceae.	Dr. Rajesh Tandon Prof. Arun K. Pandey Dr. Vishnu Bhatt Dr. P.L. Uniyal	DU-DST Purse Grant
Map based cloning of genes controlling apomixis in <i>C. ciliaris</i> and their validation using RNAi approach.	Dr. Vishnu Bhatt	DBT

Induction of apomixis in sorghum by down-regulation of somatic embryoogenesis receptor kinase (SERK) gene in the ovules.	Dr. Vishnu Bhatt	ICAR
Molecular characterization of genes associated with apomixis in <i>Cenchrus ciliaris</i> .	Dr. Vishnu Bhatt	DBT
Identification of ovule/embryosac specific promoters and their validation in transgenic <i>Cenchrus</i> .	Dr. Vishnu Bhatt	DST
Molecular markers & descriptor development in tea.	Dr. Vishnu Bhatt	DBT
Genetic transformation of Pearl millet with a synthetic homologue of Magainin II gene and evaluation of the transgenic plants for resistance to Downy Mildew.	Dr. Vishnu Bhatt	Board of Research in Nuclear Science
Biology of Podostemaceae.	Dr. Vishnu Bhatt	DU/DST- Purse Grant
Developmental Biology and Phylogenetic studies of Some Endemic Species of Podostemaceae.	Dr. P.L. Uniyal	DST- Purse Grant
Studies on AM< Association with Lower land Plants.	Dr. P.L. Uniyal	UGC
Cost effective <i>Glomus fasciculatum</i> improve formulation to 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
Effect of enhanced CO <sub>2</sub> on some important plant diseases of India.	Dr. Rupam Kapoor	MoEF
Genetic and genomic approaches for improvement of the oilseed crop, <i>Carthamus tinctorius</i> (Safflower).	Dr. Rupam Kapoor	DU-DST Purse Grant
Biochemical and physiological characterization of arbuscular mycorrhizal fungi for the reclamation of salt stress soils.	Dr. Rupam Kapoor	UGC

Development and stress-specific genomics of small non-coding RNAs from Brassica sps., wheat and rice.	Dr. Manu Agarwal	DBT
Transgenic approaches for frost tolerance in Brassica juncea.	Dr. Manu Agarwal	DBT
Profiling of small RNAs unique to Apomictic addition lines in Pennisetum glaucum through Subtractive small RNA library.	Dr. Manu Agarwal	DBT
Genetic and Genomic approaches for improvement of the oilseed crop, <i>Carthamus tinctorius</i> (Safflower).	Dr. Arun Jagannath	DST-Purse Grant
Transgenic approaches for resistance to mustard aphids.	Dr. Arun Jagannath	DBT
Identification, characterization and validation of candidate genes influencing seed size and seed number in the oilseed crop, Brassica juncea (Indian mustard).	Dr. Arun Jagannath	DBT
A genomics and proteomics approach to identify, purify and clone antifreeze proteins from seabuckthorn seedling.	Dr. Renu Deswal Dr. S. Goel	DBT
Towards the Biodiesel in <i>Jatropha curcas</i> . Profiling of small RNAs unique to Apomictic addition lines in Pennisetum glaucum through Subtractive small RNA library.	Dr. Shailendra Goel Dr. Arun Jagannath Dr. Manu Agarwal	DRDO DBT
Molecular markers and descriptor development in Tea.	Dr. Vishnu Bhat Dr. Shailendra Goel	DBT
Isolation of sex linked genes and gender specific markers in <i>Hippophae rhamnoides</i> .	Dr. Shailendra Goel Dr. Rajesh Tandon	DBT
Genetic and Genomic approaches for improvements of the oil seed crop <i>Carthamus tinctorius</i> (Safflower).	Dr. Shailendra Goel Dr. Manu Agarwal Dr. Arun Jagannath Prof. I. Usha Rao Prof. Amar Kumar Dr. Rupam Kapoor	DST-DU Purse Grant

Molecular mapping of QTL and candidate genes governing phytosterol content in winter oil seedrape ( <i>Brassica napus</i> ) and Indian mustard ( <i>Brassica juncea</i> )’.	Dr. Priya Panjabi Massand	DST-DFG
Understanding plant lipids metabolism and its role in signaling : Using basic science models to enhance oil crops.	Dr. Girish Mishra	DBT, Ramalingaswami Fellowship
Biomass stock and carbon sequestration potential of the ridge forest in Delhi.	Dr. Ratul Baishya	University of Delhi

### **New Additions**

Dr. Girish Mishra	-	Assistant Professor
Dr. Yashwanti Mudgil	-	Assistant Professor

### **Appointments of Faculty members to higher Posts/Assignments**

**R. Geeta:** Editorial Board Member, *Journal of Biosciences*. Indian Academy of Sciences, Bengaluru, India; Editorial Board Member, *American Journal of Botany*, Botanical Society of America, USA; Torial Board Member, *American Journal of Botany*, Botanical Society of America, USA. Since 2005.

**Dr. Renu Deswal:** Member, Board of studies in Botany, Maharshi Dayanand University, Rohtak, Haryana.

**Dr. Rupam Kapoor:** Member Editorial Committee Abstracts, An International Conference on Challenging and Emerging Dimensions in Medicinal/Herbal Plants and their Products: A Global Prospective, 26-28 November 2010.

**Dr. Rupam Kapoor:** Resource Person ICAR – sponsored training on ‘Climate change, Precision Agriculture and innovative disease control strategies’ organized by Centre of Advanced Faculty Training in Plant Pathology, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttrakhand, 23 March – 12 April 2011.

### **Honours/Distinctions**

**Prof. A.K. Bhatnagar:** Elected President, East Himalayan Society for Spermatophyte Taxonomy, Siliguri, West Bengal, 2011-2013.

**Prof. S.B. Babbar:** Councilor, Executive Council of International Society of Plant Morphologists (ISPM), 2010-2014; Co-chaired a Session (Presentations by Young Scientists) in National Conference on Orchids: Systematics and Diversity Analysis for Conservation and Sustainable Utilization. G.B. Pant Institute of Himalayan Environment & Development, Kosi Katarmal, Almora, 19-21 March 2010. Organized by the Orchid Society of India.

**Prof. Arun K. Pandey:** President, Indian Association for Angiosperm Taxonomy, 2010; Vice President, East Himalayan Society of Spermatophyte Taxonomy, 2011-2013; Councillor, 'The Society of Plant Reproductive Biologists', 2010-2013; Councillor, Indian Botanical Society, 2010; Member Board of studies – University of Allahabad, Allahabad; North Eastern Hill University, Shillong; University of Rajasthan, Jaipur; Jivaji University, Gwalior, 2010-2011; National Assessment & Accreditation Council Peer Team Coordinator, 2010-11; Chairperson, International Conference of IOPB, Dr. B.A. Marathwada University, Aurangabad, 2010.

**Prof. Veena Agrawal:** Invited and Chaired the technical session on Pl. Tiss. Cult. Biotech. Germplasm Conserv. During the Natal. Conf. on Pl. Physiol.: Physiologic. Mol. Approaches Crop improv. Under Changing Environ., organised by Banaras Hindu University, and Ind. Soc. Pl. Physiol. (ISPP), Varanasi (Uttar Pradesh), 25-27 November 2010.

**Prof. Amar Kumar:** Member of Science Faculty Committee; Member of the Selection Committee for Teaching Assistantship in Botany and Genetics; Member of Managing Committee of International Students; The Department of Biotechnology nominee in the Institute of Biosafety Committee (IBSC); Member of the Departmental Research Committee (DRC) in the Department of Plant Molecular Biology, South Campus.

**Dr. Renu Deswal:** Chaired a session in National Conference on Seabuckthorn: Promoting Health and Protecting Environment at IARI, New Delhi, November 2010; Qualified RSO level I examination and attended a radiation safety course 'Radiation safety aspects of use of ionizing radiations in research applications', organised by AERB at Institute of Life Long Learning, University of Delhi, 1-3 December 2010.

**Dr. Vishnu Bhatt:** Co-ordinator (Botany), College Affairs; Member: Range management society of India, Jhansi, Indian society of plant genetic resources, New Delhi, Society of plant biochemistry and biotechnology, New Delhi.

**Dr. Arun Jagannath:** Staff Advisor, Delhi University Botanical Society; Member Committee of Courses and Studies for Honours, Post-Graduate and Research Studies in Botany, University of Delhi (August onwards), Member; Governing Body, Delhi University Library System; Member Purchase Committee for up-gradation of teaching infrastructure and instrumentation facilities at the Department of Botany, University of Delhi.

#### **Honours/Distinctions**

**Dr. Rupam Kapoor:** Prof. Y.S. Murty Memorial Award bestowed by Indian Botanical Society.

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

**Prof. A.K. Bhatnagar:** Convener First Global Congress on Plant Reproductive Biology, The Society of Plant Reproductive Biologists, Agra, 22-24 October 2010.

Keynote Speaker National Seminar on 'Diversity Conservation and Sustainable Utilization of Plants and Traditional Knowledge in Eastern Himalaya' organized by Department of

Botany, University of North Bengal and East Himalayan Society for Spermatophyte Taxonomy, 14-16 December 2010.

International Conference on Challenging and Emerging Dimensions in Medicinal/Herbal Plants and their Products. A Global Perspective. Society for Conservation and Resource Development of Medicinal Plants. Chennai Trade Centre, Chennai, 26-28 November 2010.

National Symposium on Biotechnological Perspectives of Plants, Microbes and their Interactions. Organized by UGC Centre of Special Assistance Programme (SAP), Department of Botany, B.R.A. Bihar University, Muzaffarpur, 15-17 January 2011.

Chairman 2nd International Conference on Climate Change & Sustainable Management of Natural Resources. Institute of Allied Sciences and Computer Applications, ITM University, Gwalior, M.P., 5-7 December 2010.

**Prof. I.U. Rao:** Abstracts 20th World Orchid Conference, Singapore, 13-20 Nov. 2011.

National Consultation for Production & Utilisation of Orchids, NRC for Orchids (ICAR), Pakyong, Sikkim, 19-21 February 2011.

4th International Orchid Conservation Congress (IOCC4), Hluboká, Czech Republic 29, May - 6, June, 2011.

National Symposium on 'Recent Advances in Plant Tissue Culture and Biotechnological Researches in India' & XXII Annual Meet of Plant Tissue Culture Association (India) at M.N. Institute of Applied Sciences, Bikaner, Rajasthan, 4-6 February 2011.

National Conference on Medicinal Orchids: Sustainable use and Benefit Sharing for Rural and Tribal Communities, Panjab University, Chandigarh, 29-30 March 2011.

**Prof. V.P. Singh:** International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues and Challenges, Ranchi, 14-17 December 2010.

98th Indian Science Congress, Chennai, 3-7 January 2011.

51st Annual Conference of Association of Microbiologists of India (AMI-2010), Platinum Jubilee Guest Lecture, National Conference on New Horizons in Plant Sciences, Meerut, 23-24 October 2010.

**Prof. Arun K. Pandey:** International Workshop on 'Flora of Pan-Himalayas', Institute of Chinese Academy of Sciences, Beijing, 18-21 April 2010.

All India Botanical Conference and International Symposium on New Horizons of Botany, Shivaji University, Kohlapur, 10-12 November 2010.

National Symposium on Plant Diversity, Utilization and Management, University of Kerala, Thiruvanthapuram, 27-29 May 2010.

11th International Conference of International organisation of Plant Bio-systematics, Dr. B.A. Marathwada University, Aurangabad, 2-4 September 2010.

20th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT), Bharatiar University, Coimbatore, November 2010.

National Seminar on Conservation, Cultivation and utilization of Medicinal Plants organised by Department of Botany, R.B.S. College, Agra, U.P., 26-27 February 2011.

National Seminar on The exploration, protection and conservation of Biodiversity and Traditional Knowledge held at Gour Mahavidyalaya, Malda, West Bengal, 4-5 Feb. 2011.

National Seminar organised by East Himalayan Society for Spermatophyte Taxonomy, 14-16 December 2010.

**Prof. Veena Agrawal:** Workshop on Bacteria & Fungi for Environmental Sustainability held at Amity Institute of Microbial Technology, Amity University in collaboration with Embassy of Italy, New Delhi, 29-30 November 2010.

M.N. Institute Applied Sciences, Bikaner, Rajasthan, 4-6 February 2011.

Indo - German Workshop in the frame of the program 'Initiation and Intensification of Bilateral Cooperation' organized by Amity Institute of Microbial Technology, Amity University Uttar Pradesh Together with Deutsche Forschungsgemeinschaft (DFG), Germany, 22-24 March 2011.

International Workshop on Sustainability and Water Quality Held at Hotel Maidens, Sham Nath Marg, Delhi sponsored by The Green Chemistry Network Centre, Department of Chemistry, University of Delhi, 17-20 January 2011.

National Conference on Biodiversity of Medicinal and Aromatic plants: Collection, Characterization and Utilization at Anand, Gujarat, 24-25 November 2010.

Workshop on Green Chemistry Education: Necessity of a sustainable Future held at Department of Chemistry, University of Delhi and Sponsored by Royal Society of Chemistry, London, 20 November 2010.

**Dr. Suman Lakhanpaul:** Sixth International Wolbachia Conference 'Wolbachia on The Bay' Asilomar, California, USA, 9-14 June 2010.

51st Annual Conference 2010 of AMI at Birla Institute of Technology, Mesra, Ranchi, 14-17 December 2010.

**Dr. Renu Deswal:** TWOWS general assembly and International Conference entitled *Women Scientists in a Changing World*, in China, 27-30 June 2010.

The Indian Proteomics Conference, Trends in Translational Proteomics, IPCON 2011, Jawaharlal Nehru University, New Delhi, 3-5 April 2011.

5th International Nitrogen Conference 2010, organized by Indian Nitrogen Group (ING-SCON) & International Nitrogen Initiative (INI), The Ashok, New Delhi, 3-7 December 2010.

National Conference on Seabuckthorn: Promoting Health and Protecting Environment at IARI, New Delhi, 26-27 November 2010.

**Dr. D.B. Sahoo:** Organized a session on Algal Aquaculture: Food, Feed, Fuel-Mitigation of Localized Acidification in the Vth Global Oceans Conference held at UNESCO, Paris, France, 3-7 May 2010.

Organized a session on Algal Aquaculture: Food, Feed, Fuel-Mitigation of Localized Acidification in the 5th Global Oceans Conference held at UNESCO, Paris, France, 3-7 May 2010.

International Conference on Dynamics of Rural Transformation in Emerging Economics hosted by Planning Commission, Govt. of India, Institute for Human Development, India at National Academy of Agricultural Sciences, New Delhi, India, 14-16 April 2010.

**Dr Rajesh Tandon:** Global Conference on Reproductive Biology, Agra, 22-24 October 2010.

Global Conference on Reproductive Biology, Agra, 22-24 October 2010.

**Dr. P.L. Uniyal:** International Conference on Antimicrobial Research, Valladolid, Spain, 3-5 November, 2010.

4th International Conference on Plants and Environmental Pollution (ICPEP-4), NBRI, Lucknow, 8-11 December 2010.

**Dr. Rupam Kapoor:** An International Conference on Challenging and Emerging Dimensions in Medicinal/ Herbal Plants and their Products: A Global Prospective, Chennai, 26-28 November 2010.

North Zone meet and National Symposium on Microbial Diversity and Bio-prospecting at Department of Botany, University of Jammu, 29-30 October 2010.

**Dr. Shailendra Goel:** 15th Annual ADNAT convention on Genomics and biodiversity, 23-25 February 2011.

National Conference on seabuckthorn, 2010 organised by DIPAS on 25-26 September 2010.

**Dr. Sandip Das:** National Symposium on PTC and Biotech and XXXII PTCA (I) meet, Bikaner, Rajasthan, 4-6 February 2011.

**Prof. A.K. Bhatnagar:** Impact of Climate Change on Plant Diversity in India, Department of Botany, Punjab University, Chandigarh, 28 March 2011.

**S.C. Bhatla:** Nitric oxide accumulation during salt stress in germinating seeds of sunflower  
Nitric oxide accumulation during salt stress in germinating seeds of sunflower, University of Rome.

**Prof. Arun K. Pandey:** 'Conservation of biodiversity through traditional and biotechnological approach'. National Seminar on Exploration, Protection and Conservation of Biodiversity and Traditional Knowledge, Gour College, Malda, West Bengal, 4 February 2011.



Utility of molecular markers in plant systematics and biodiversity conservation, National Seminar on 'Recent Advances in Plant Biotechnology: Prospects and Potentials', Aligarh Muslim University, Aligarh, 7 February 2011.

'Diversity and conservation of medicinal plants'. National Seminar on Conservation, cultivation and utilization of medicinal plants, R.B.S. College, Agra, 27 February 2011.

The changing concepts of molecular systematics, National Seminar New Horizons of Botany, Shivaji University, Kolhapur, 11 November 2010.

The changing concepts of molecular systematics National Symposium on Plant Diversity, Utilization and Management, Kerala University, Thiruvananthapuram, 29 May 2010.

Reproductive biology data in plant systematics National Seminar New Horizons of Botany, Shivaji University, Kolhapur, 11 November 2010.

'Role of Herbaria in assessing phylogeny using molecular approaches'. Workshop on herbarium Techniques, National Institute of Science Communication and Information Resources, New Delhi, 13 November 2010.

Phylogenetic and Biogeographic relationships of the *Aralia-Panax* complex in India XI International Conference of International organisation of Plant Bio-systematics, Dr. B.A. Marathwada University, Aurangabad, 2-4 September 2010

Systematics and Biogeography of *Panax*, National Academy of Sciences. University of Allahabad, Allahabad, 28 August 2010.

**Prof. R. Geeta:** Phylogenetic Biology National Workshop on Genomics and Biodiversity, ADNAT and CCMB, Hyderabad, 7-8 March 2011.

Phylogenetic Systematics and Evolutionary Biology National Workshop on Taxonomy and Evolution, Environmental Biology, Environmental Biology, University of Delhi, 15 March 2011.

**Prof. Veena Agrawal:** Morphogenic and molecular characterization of male and female plants of jojoba (*Simmondsia chinensis*): a multipurpose oil yielding crop Banaras Hindu University, Varanasi, UP, 25-27 November 2010.

*In vitro* strategies for improved production of bioactive compounds from medicinal plants involving microbes Amity Institute of Microbial Technology, Amity University, UP, 4-6 February 2011.

*In vitro* screening of bio-larvicidal compounds against malaria and filaria vectors using crude extract and isolated fractions of medicinal herbs (*Spilanthes* spp.) and their isolation from medicinal plants, M.N. Institute Applied Sciences, Bikaner, Rajasthan, 29-30 November 2010.

Role of bacteria in the genetically modified crops Amity Institute of Microbial Technology, Amity University in collaboration with Embassy of Italy, New Delhi, 29-30 November 2010.

Biodiversity and *in vitro* selection of high psoralen yielding clone of *Psoralea corylifolia* and its mass propagation through tissue culture National Conference on Biodiversity of Medicinal and Aromatic plants: Collection, Characterization and Utilization at Anand, Gujarat, 24-25 November 2010.

**Prof. V.P. Singh:** Understanding life at high temperature. Lead Lecture in Plant Science Section, 98th Indian Science Congress, Chennai, 3-7 January 2011.

High-temperature enzyme catalysis and thermoadaptation of microorganisms. Platinum Jubilee Guest Lecture, National Conference on New Horizons in Plant Sciences, Meerut, 23-24 October 2010.

**Dr. Renu Deswal:** Proteome analysis of seabuckthorn, the Himalayan gold bush to fish executors of cold tolerance for crop improvement National Conference on Seabuckthorn: Promoting Health and Protecting Environment at IARI, New Delhi, 26-27 November 2010.

Invited lecture in TWOWS general assembly and International Conference entitled *Women Scientists in a Changing World*, Beijing, China, 27-30 June 2010.

**Dr. Suman Lakhnpaul:** Recent trends in Phytoplasma Research, Department of Microbiology, Government Medical College Hospital, Chandigarh.

**Dr. Sandip Das:** Molecular Characterization of Regulatory Elements From Brassica Species and Impact of Polyploidization National Symposium on PTC and Biotech & XXXII PTCA (I) meet, Bikaner, Rajasthan, 4-6 February 2011.

Small RNA mediated Gene regulation: RNAi and Chromatin remodelling. Refresher Course at Academic Staff College and Dept. of Botany, Jammu University, Jammu, 1 March 2011.

## Publications

### *Research Papers*

**Baishya, R. and Barik, S.K. 2011.** 'Estimation of tree biomass, carbon pool and net primary production of an old-growth Pinus kesiya Royle ex. Gordon forest in north-eastern India'. *Ann. For. Sci.* 68: 727-736.

**Bharadwaj, A., Leelavathi, S., Mazumdar-Leighton, S., Ghosh, A., Ramakumar, S. and Shiva Reddy, V. 2010.** 'The critical role of N- and C-terminal contact in protein stability and folding of a family 10 Xylanase under poly-extreme conditions', *PLoS One*, 5(6): e11347.

**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*. 28: 293-300.

**Chen, Q.F., Xiao, S., Wangqin, Q., Mishra, G. and Chye, M.L. 2010.** 'The Arabidopsis acbp1acbp2 double mutant lacking Acyl-CoA-Binding Proteins ACBP1 and ACBP2 is embryonic lethal'. *New Phytol*, 186: 843-855.

- Dhyani, D., Maikhuri, R.K., Misra, S. and Rao, K.S. 2010.** 'Endorsing the declining indigenous ethnobotanical knowledge of seabuckthorn in central Himalaya, India'. *J. Ethnopharmacology*. 127: 329-334.
- Semwal, D.P., Uniyal, P.L. and Bhatt, A.B. 2010.** 'Structure, Composition and dominance-diversity relations in three forest types of a part of Kedarnath Wildlife Sanctuary, Central Himalaya'. *Notulae Scientifica Biologiae*, 2(3): 128-132.
- Ebrahimi, R. and Bhatla, S.C. 2011.** 'Effect of sodium chloride levels on growth, water status, uptake, transport and accumulation pattern of sodium and chloride ions in young sunflower plants'. *Communications in Soil Science and Plant Analysis*. 42: 815-831.
- Evelin, H., Giri, B. and Kapoor, R. 2011.** 'Contribution of *Glomus intraradices* inoculation to nutrient acquisition and mitigation of ionic imbalance in NaCl-stressed *Trigonella foenum-graecum*'. *Mycorrhiza* (accepted) doi: 10.1007/s00572-011-0392-0.
- Goswami, S. and Pandey, A.K. 2010.** 'Pollen-pistil interaction in two north-eastern Himalayan tree species: *Schima wallichii* (DC.) Korth and *S. khasiana* Dyer (Theaceae)'. *International J. Plant Reproductive Biology*, 2(2): 197-203.
- Guha, S. and Rao, I.U. 2010.** 'Culture surface and exogenous putrescine-altered shoot growth pattern in mannitol- and cadmium chloride-pretreated callus of *Cymbidium* Via del Playa 'Yvonne''. *In Vitro Cell. Dev. Biol. Plant*, 46(6): 491-498.
- Guo, L., Mishra, G., Taylor, K. and Wang, X. 2011.** 'Phosphatidic Acid binds and stimulates Arabidopsis sphingosine kinases'. *Guo J. Biol Chem*. 15: 286(15): 13336-45.
- Handra, A., Kandari, L.S., Payal, K.C., Maikhuri, R.K., Rao, K.S. and Saxena, K.G. 2010.** 'Conservation and sustainable management of traditional ecosystems in Garhwal Himalaya, India'. *New York Science Journal*. 3(2): 71-77.
- Jagannath, A., Sodhi, Y.S., Gupta, V., Mukhopadhyay, A., Arumugam, N., Singh, I., Rohatgi, S., Burma, P.K., Pradhan, A.K. and Pental, D. 2011.** '(Online version in 2010: DOI 10.1007/s00122-010-1515-2). Eliminating expression of erucic acid-encoding loci allows the identification of 'hidden' QTL contributing to oil quality fractions and oil content in *Brassica juncea* (Indian mustard)'. *Theoretical and Applied Genetics*, 122: 1091-1103.
- Jamshieed, S., Das, S., Sharma, M.P. and Srivastava, P.S. 2010.** 'Difference in in vitro response and esculin content in two populations of *Taraxacum officinale* Weber'. *Physiol Mol Biol Plants*, 16(4): 353-358.
- Kapai, V.Y., Kapoor, P., Guha, S. and Rao, I.U. 2010.** 'In vitro propagation for conservation of rare and threatened plants of India: A review'. *International Journal of Biological Technology*, 1(2): 1-14.
- 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.

- 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 & Biodegradation*, 64: 191-196.
- Kumar, G. and Sahoo, D.B. 2010.** 'Effect of seaweed liquid extract on growth and yield of *Triticum aestivum* var. Pusa Gold'. *Accepted in Journal of Applied Phycology*.
- Kumar, S., Singh, V. and Lakhanpaul, S. 2010.** 'First report of 'Candidatus *Phytoplasma asteris*' associated with green ear disease of bajra (pearl millet) in India'. *New Disease Reports* 22, 27. [doi:10.5197/j.2044-0588.2010.022.027].
- Kumar, S., Singh, V. and Lakhanpaul, S. 2010.** First Report of *Crotalaria spectabilis* Fasciation Associated with 'Candidatus *Phytoplasma asteris*' in India. *Plant Disease*, 94(10): 1265. (Cover Article).
- Kumar, S., Singh, V. and Lakhanpaul, S. 2010.** 'First report of cotton and luffa little leaf associated with 'Candidatus *Phytoplasma asteris* (16SrI) in India'. *Australasian J. of Plant Pathology*, 5: 117-119.
- Kumari, R., Kaur, I. and Bhatnagar, A.K. 2011.** 'Effect of aqueous extract of *Sargassum johnstonii* Setchell & Gardner on growth, yield and quality of *Lycopersicon esculentum* Mill'. *J. Appl. Phycol.* DOI: 10.1007/s10811-011-9651-x.
- Mangla, Y. and Tandon, R. 2011.** 'Insect facilitate wind pollination in pollen-limited *Crateva adansonii* (Capparaceae)'. *Australian Journal of Botany*, 51: 61-69.
- Mudgil, Y. and Jones, A.M. 2010.** 'NDR proteins: lessons learned from Arabidopsis and animal cells prompt a testable hypothesis'. *Plant Signaling & Behavior*, Vol. 5: issue 8 1-2
- Nguyen, H.T., Mishra, G., Whittle, E., Bevan, S.A., Merlo, A.O., Walsh, T.A. and Shanklin. 2010.** 'Metabolic engineering of seeds can achieve Levels of w-7 Fatty Acids Comparable with the Highest Levels found in natural plant sources'. *Plant Physiol.* 154(4):1897-904.
- Sharma, P., Uniyal, P.L. and Hammer, O. 2010.** 'Two new species of *Ephedra* (Ephedraceae) from the Western Himalayan region'. *Systematic Botany*, 35(4): 730-735.
- Pandey, A.K. and Ali, M.A. 2010.** 'Phylogeography of Indian populations of *Panax bipinnatifidus* Seem. (Araliaceae) based on internal transcribed spacer sequences of nuclear ribosomal DNA'. *Phytomorphology*, 60 (3 &4): 110-118.
- 2010.** 'Spatial range expansion of *Panax bipinnatifidus* Seem. (Araliaceae) in India inferred from nucleotide sequences of internal transcribed spacer of nrDNA'. *Pleione*, 4(2): 230-234.

- Pandey, V., Chopra, M. and Veena, A. 2011.** 'In vitro isolation and characterization of biolarvicidal compounds from micropropagated plants of *Spilanthes acmella*'. *Parasitol. Res.* 108: 297-304. Springer, Germany.
- Panjabi-Massand, P., Yadava, S.K., Sharma, P., Kaur, A., Kumar, A., Arumugam, N., Sodhi, Y.S., Mukhopadhyay, V., Gupta, A.K., Pradhan 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*'. *Theoretical and Applied Genetics.* 121: 137-14.
- Parast, B.M., Chetri, S.K., Sharma, K. and Veena, A. 2011.** 'In vitro isolation, elicitation of psoralen in callus cultures of *Psoralea corylifolia* and cloning of psoralen synthase gene'. *Pl. Physiol. Biochem.* Online DOI No. 10.1016/j.plaphy.2011.03.017. Elsevier, U.K.
- Sharma, P.K., Goel, M., Dureja, P. and Uniyal, P.L. 2010.** 'Isolation and identification of secondary metabolites from hexane extract of culture filtrate of *Bacillus licheniformis* MTCC 7445'. *Archives of Phytopathology and Plant Protection*, 43(16): 1636-1642.
- Prasanna, R., Sood, A., Jaiswal, P., Nayak, S., Gupta, V., Chaudhary, V., Joshi, M. and Natarajan. 2010.** 'Rediscovering cyanobacteria as valuable source of bioactive compounds'. *Applied Biochemistry and Microbiology*, 46: 119-134.
- Sarwat, M., Das, S. and Srivastava, P.S. 2011.** 'AFLP and SAMPL markers for characterization of genetic diversity in *Terminalia arjuna*: a backbone tree of Tasar silk industry'. *Plant Syst Evol* (2011) 293: 13-23.
- Sarwat, M., Das, S. and Srivastava, P.S. 2011.** 'Estimation of genetic diversity and evaluation of relatedness through molecular markers among medicinally important trees: *Terminalia arjuna*, *T. chebula* and *T. Bellerica*'. *Mol Biol Rep* DOI 10.1007/s11033-010-0649-2.
- Shakya, R. and Bhtala, 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.* 23: 163-172.
- Sharma, M., Laisram, N. and Singh, V.P. 2010.** 'Screening of a soil bacterium for biological control of pathogenic fungi'. *Journal of Plant Development Sciences*, 2(1&2): 1-4.
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- Sharma, P., Nain, V., Lakhanpaul, S. and Kumar, P.A. 2010.** 'Synergistic activity between *Bacillus thuringiensis* Cry1Ab and Cry1Ac toxins against maize stem borer (*Chilo partellus* Swinhoe)'. *Letters in Applied Microbiology*, 51:42-47.
- Singh, A., Nirala, N.K., Das, S., Narula, A., Rajam, M.V. and Srivastava, P.S. 2011.** 'Overexpression of odc (ornithine decarboxylase) in *Datura innoxia* enhances the yield of scopolamine'. *Acta Physiol Plant.* DOI 10.1007/s11738-011-0787-8.

- Singh, A., Nirala, N.K., Narula, A., Das, S. and Srivastava, P.S. 2011.** 'Isolation and characterization of Ty1-copia group of LTRs in genome of three species of *Datura*: *D. innoxia*, *D. stramonium* and *D. metel*'. *Physiol Mol Biol Plants*. DOI 10.1007/s12298-011-0060-z.
- Singh, L. and Singh, V.P. 2010.** Microbial degradation and decolourization of dyes in semi-solid medium by the fungus – *Trichoderma harzianum*. *Environment & We: An International Journal of Science and Technology*, 5: 147-153.
- Singh, L. and Singh, V.P. 2010.** Biodegradation of textile dyes, Bromophenol blue and Congo red by the fungus *Aspergillus flavus*. *Environment & We: An International Journal of Science and Technology* 5: 235-242.
- Singh, M., Goel, S., Meeley, R.B., Dantec, C., Parrinello, H., Michaud, C., Leblanc, O. and Grimanelli, D. 2011.** 'Production of viable gemetes without meiosis in maize deficient for an ARGONAUTE protein'. *The Plant Cell*. 23: 443-458.
- Sood, A., Pabbi, S. and Uniyal, P.L. 2011.** 'Effect of paraquat on lipid peroxidation and antioxidant enzymes in aquatic fern *Azolla microphylla* Kunal'. *Russian Journal of Plant Physiology*, 58: 667-673.
- Sood, A., Singh, P.K., Kumar, A., Singh, R. and Prasanna. 2011.** 'Growth and biochemical characterization of artificial associations between cyanobionts and wheat seedlings'. *Biologia*, 66: 104-110.
- Tayal, P., Kapoor, R. and Bhatnagar, A.K. 2011.** 'Functional synergism among *Glomus fasciculatum*, *Trichoderma viride* and *Pseudomonas fluorescens* on Fusarium wilt in tomato'. *Journal of Plant Pathology (accepted)*. Italian Phytopathological Society.
- Vats, S.K., Singh, A., Koul, M. and Uniyal, P.L. 2010.** 'Study on the Metal Absorption by two Mosses in Delhi Region (India)'. *Journal of American Science*, 6(3): 176-181.
- Vencl, F., Trillo, P.A. and Geeta, R. 2011.** 'Functional interactions among tortoise beetle larval defenses reveal trait suites and escalation'. *Behav. Ecol. Sociobiol.* 65: 227-239.
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- Yadav, S., David, A. and Bhatla, S.C. 2010.** 'Nitric oxide modulates specific steps of auxin induced adventitious rooting in sunflower'. *Plant Signaling and Behaviour*. 5(10): 1163-1166.
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*Article in Edited Work*

- Agrawal, V. and Pandey, V. 2011.** Medicinal plants as a potential source of Biopesticides. In: Ahmad, A., Siddiqi, T.O. and Iqbal, M. (Eds), *Medicinal Plants Research: Progress & Environmental Concern*. Capital Publish. Co., New Delhi. pp. 281-304.



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- Ira, A., Levine and Sahoo, D.B. 2010.** *Porhyra* Harvesting gold from sea IK. New Delhi: International Publishing House Pvt. Ltd. pp.v+93.
- Jasmeet Kaur Abat and Deswal, R. 2010.** 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.) Wiley-Vch, Germany, pp. 189-200.
- Jasmeet Kaur Abat and Deswal, R. 2011.** Nitric Oxide, S-nitrosoproteome and Abiotic Stress Signaling in Plants. In Omics and Plant abiotic stress tolerance (Tuteja, N., Gill, S.S. and Tuteja, R. Eds.) USA: Bentham publishers, pp.133-142.
- Muivah, G., Kapoor, P. and Rao, I.U. 2011.** 'Understanding the physiological, biochemical and molecular aspects of growth and development of geophytes (rhizome, tuber, bulb and corm) in higher plants. In *Biotechnology Research: Trends and Issues* (ed. Trivedi, P.C.): 201-218. Agrobios (India).
- Uniyal, P.L., Chamola, B.P. and Semwal, D.P. 2010.** *The Plant Wealth of Uttarakhand Himalaya*. Jagdamba Publishing Company, New Delhi. p. 436.
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- Goel, S., Singh, H.D. and Raina, S.N. 2010.** *Cenchrus, in Wild Crop Relatives: genomic and Breeding Resources*. Springer.
- Sharma, S., Uniyal, P.L. and Semwal, D.P. 2010.** The Role of Bryophytes in Nutrient Cycling. In: *Current Trends in Plant Biology* (Editors Trivedi, P.C. and Sopory, S.K.), pp. 232-254. Jaipur: Aviskar Publishers, Distributers.
- Shantanu, S., Sanavar and Uniyal, P.L. 2010.** Bryophytes of Uttarakhand. In: *The Plant Wealth of Uttarakhand Himalaya* (Eds. Uniyal, P.L., Chamola, B.P. and Semwal, D.P.), pp. 197-276. New Delhi: Jagdamba Publishing Company.
- Bhat, V., Mahalakshmi, C., Shashi, Saran, S. and Raina, S.N. 2011.** *Dichanthium*. In: *Wild Crop Relatives: Genomic and Breeding Resources, Millets and Grasses*, Chittaranjan Kole (editor), Springer-Verlag, Berlin, pp. 89-112.
- Chrungoo, N.K., Sangma, S.C., Bhat, V. and Raina, S.N. 2011.** *Fagopyrum* In: *Wild Crop Relatives: Genomics and Breeding, Cereals*. Chittaranjan Kole (editor), Springer-Verlag, Berlin, pp. 293-308.

**Geeta, R. 2011.** Dioscoreales (Yams and Allies). In: *Encyclopedia of Life Sciences (ELS)*. John Wiley & Sons, Ltd: Chichester. DOI: 10.1002/9780470015902.a0003704.pub2. 2011.

*Semi-technical*

**Maheshwari, S.C. and Bhatnagar, A.K. 2010.** Biographical Memoir on the Late Professor R.N. Kapil. Biographical Memoirs. Indian National Science Academy, New Delhi. Vol. 39.

**Koul, M. and Bhatnagar, A.K. 2010.** 'Who will save the plants from the botanist?' *Current Science*, 99: 1304.

*Patents*

### **Dr. Arun Jagannath**

*'A method for obtaining improved fertility restorer lines for transgenic male sterile crop plants and a DNA construct for use in said method'.*

- European patent No. 1644506 Status: Granted
- US patent US 7,741,541 B2 2010 Status: Granted
- Indian patent No. 238973 2010 Status: Granted
- National phase applications filed in Europe, Canada and India.

*'An insulator construct for controlling leaky expression of a lethal gene'.*

- Indian patent No. 244002 2010 Status: Granted

## **CHEMISTRY**

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

Ph.D. - 18  
M.Phil. - 4

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Biomimetic synthesis of porphyrinogens and their noncovalent interactions in the bio-synthesis of heme and related life pigments.	Prof. S.M.S. Chauhan	DST
Feasibility Study of Polymer Organosilicate Nanocomposites for Oral Drug Delivery System Related to Colon Disease.	Prof. Monika Datta	DST



Development of Coordination Complexes as Building Blocks to Generate Novel Hetero-metallic 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	DU-DST Purse Grant
Surface-Confined Bimetallic Conjoined-Twins Porphyrin.	Dr. Tarkeshwar Gupta	DU
Oriented Molecular Films for Detection of Chemical-Warfare-Agents Mimics.	Dr. Tarkeshwar Gupta	CSIR
Synthesis and magnetic properties of polynuclear nanomagnets embedded in Polyoxometalates.	Dr. Firasat Hussain	DU
Synthesis of Contrast Agents and Peptides for MRI.	Dr. M.D. Milton	INMAS, DRDO
Ring Transformation Based Strategy for Synthesis of Nitrile Based Partially Reduced Thia- and Oxa-thia[5] helicenes and its Conformational Analysis and Dynamics.	Dr. Ramendra Pratap	DU
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
Calcium phosphate nanoparticles co-encapsulating Neuro-therapeutic gene and drug for targeted therapy of neurodegenerative disorders.	Dr. Indrajit Roy	DBTY

Preparation, Characterization and Application of Metal/Metal oxide Nanoparticle Materials for Industrial Catalysis.	Dr. Basudeb Saha	UGC
Synthesis and characterization of noble metal catalysts for aromatic dicarboxylic acid productions.	Dr. Basudeb Saha	R&D
Synthesis, characterization and photophysical properties of metallaladderanes.	Dr. M. Sathiyendiran	DST
Biologically active five-member heterocyclic units decorated Re(I)-based supramolecular metallacycles: Synthesis, structural characterization and photophysical studies.	Dr. M. Sathiyendiran	CSIR
Designing of metal selective functionalized silica gels and their applications in Development of specific resins for Cr and Fe followed by scale up of method of extraction of metals by developing bioreactor.	Prof. R.K. Sharma	DU-DST Purse Grant
One-pot and solventless synthesis of metallo-porphyrins: A green chemistry approach.	Prof. R.K. Sharma	UGC
Design and Synthesis of Lead Antimicrobial Compounds for Defense Applications.	Prof. S.K. Sharma	DRDO
Studies on the synthesis of acyloxy polyphenols, the substrates for calreticulin transacylase.	Prof. S.K. Sharma	DU-DST Purse Grant
Development of a DNA MGBL as a radioprotector: Molecular events in the modulation of Ionizing radiation induced genomic instability in vitro and in vivo.	Dr. Vibha Tandon	DBT
Dielectric resonators: why the reproducibility is always an issue in complex perovskites?- Ways to fix.	Dr. M. Thirumal	DST
N,N',N''- Triarylguanidine Complexes of Platinum Group Metals.	Dr. Natesan Thirupathi	DST
High molecular weight polymer behavior in coexisting liquid phases.	Dr. P. Venkatesu	DST

Protein folding/unfolding by the addition of co-solvents.	Dr. P. Venkatesu	CSIR
Polymer behavior 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

### **Programmes taken up involving inter-institutional collaboration**

**Prof. D.S. Rawat:** A collaborative project deals with the biological evaluation of natural/natural product analogues. Prof. Nilanjan Roy, Department of Biotechnology, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, Punjab; with Dr. Sabana Khan, University of Mississippi, USA; and Prof. Sanjay V. Malhotra, NIH, USA; Professor Wanghe Wang, Georgia State University, USA; Professor Sherry F. Queener, Department of Pharmacology & Toxicology, Indiana University School of Medicine, Indianapolis, IN 46202, USA; Professor Anil K. Tyagi, Department of Biochemistry, South Campus, University of Delhi.

**Dr. Basudeb Saha:** Synthesis and application of mesoporous nanoparticulate materials for biofuel synthesis. Synthesis and application of mesoporous nanoparticulate materials for biofuel synthesis, Jointly with my laboratory and Professor Asim Bhaumik, Indian Association for the Cultivation of Science, Kolkata.

**Dr. Vibha Tandon:** Validation and testing of novel bisbenzimidazole as modulator of radiation response in human cells. DST–DAAD exchange Program with Prof. George Iliakis, Institute of Radiation Biology, Essen, Germany

### **Honours/Distinctions**

**Dr. Tarkeshwar Gupta:** Member of Electron Microscope Society of India; Associate Editor, Nano Hybrids, Trans Tech Publications, Switzerland.

**Prof. M. Kidwai:** Amity Academic Excellence Award by Amity Business School Noida; Vice-Chancellor, Jiwaji University, Gwalior.

**Prof. D.S. Rawat:** Associate Editor, *Journal of the Indian Chemical Society* (Organic Section); Associate Editor, *International Journal of Drug Discovery*, Published by Bioinfo Publications, <http://www.bioinfo.in/contents.php?id=24&page=editorial>; Member International Editorial Board, *Research and Reports in Medicinal Chemistry*, Published by Dove Medical Press, <http://www.dovepress.com/honorary-editorial-board-research-and-reports-in-medicinal-chemistry-edboard133>; Member International Editorial Board, *Anti-Cancer Agents in Medicinal Chemistry*, Published by Bentham, <http://www.benthamscience.com/cmca/EBM.htm>; Impact Factor 3.14.

Member International Editorial Board, *Marine Drugs* <http://www.mdpi.org/marinedrugs/editors.htm>; Impact Factor 3.471; Member International Editorial Board, *The Open Catalysis*

*Journal*, Published by Bentham, <http://www.benthamscience.com/open/tocatj/EBM.htm>; Member International Editorial Board, *International Journal of Biological and Chemical Sciences*; Member International Editorial Board, *Chemistry and Biology Interface*, Published by ISCB; ARKIVOC [http://www.arkatusa.org/ark/ARKIVOC/arkivoc\\_referees.aspx](http://www.arkatusa.org/ark/ARKIVOC/arkivoc_referees.aspx); Guest Editor in Anti-Cancer Agents in Medicinal Chemistry; Guest Editor in *Indian Journal of Chemistry* (Section B): Indian Society of Chemist and Biologist (ISCB), Young Scientist Award 2010.

**Prof. R.K. Sharma:** Indian National Science Academy-Japan Society for the Promotion of Science (JSPS) award.

Nominated to visit Mauritius under 4th UGC-TEC Consortium Agreement.

**Dr. Vibha Tandon:** INSA fellowship to visit Germany, under INSA exchange program.

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

**Prof. R.K. Sharma:** RSC London Sponsored Training Workshop on Green Chemistry Education: Necessity of a Sustainable Future in November 2010.

ACS-Gii Sponsored International Workshop on Sustainability and Water Quality in January 2011.

Royal Society of Chemistry London sponsored meeting of all the Indian local Sections 25 June 2011 at University of Delhi.

**Prof. S.K. Sharma:** 7th Indo-Italian workshop on 'Chemistry and Biology of Antioxidants. Department of Chemistry, University of Delhi and Embassy of Italy (Organizing Coordinator).

Organizing Coordinator 4th Indo-Italian Seminar on 'Green Chemistry and Natural Products. Department of Chemistry, University of Delhi and Embassy of Italy.

**S. Mishra, A.K. Rawat, V. Sharma, Debsmita, R. Nagpal, Poonam, K.K. Yadav, S. Ahmad, A. Singhal, N., Sinha, P. Tanwar and S.M.S. Chauhan:** 4th Indo-Italian Seminar on green chemistry and natural products. University of Delhi.

**S.J. Singh and S.M.S. Chauhan:** An efficient synthesis of 2,3,4-trisubstituted pyrroles. 4th Indo-Italian Seminar on green chemistry and natural products. University of Delhi.

**S. Mishra and S.M.S. Chauhan:** Conjugates of porphyrinoids-carbon nanostructures. 13th CRSI- 5th RSC National Symposium, NISER, Bhubaneswar.

**A. Anjum and M. Datta:** International Conference on Environmental Management (ICEM)-2010. Hyderabad.

**H. Mangal, Seema and M. Datta:** International Conference on Nanomaterials and Nanotechnology, NANO 2010, Tamilnadu.

**Dr. S. Deka:** Multifunctional Hybrid Nanocrystals: Synthesis, Characterization and Applications. Paper presented at the *INDO-US Meeting on New Functional Materials: Synthesis, Properties and Methods (IUSSTF)*. Hotel Manu, Allaya, HP.

Multifunctional Hybrid Nanocrystals: Synthesis, Characterization and Applications. Paper presented at the *National Seminar on Recent Advances on Synthesis and Catalysis 2011 (RASC-11)*. Dibrugarh University.

Synthesis of cuboctahedron shaped  $\text{Cu}_{2-x}\text{Se}$  nanocrystals and transforming them to Cadmium Chalcogenide multipods via quantitative cation exchange reaction. Paper presented at the *International Interdisciplinary Science Conference-2010*. Jamia Millia Islamia University.

**Dr. Rajeev Gupta:** Old Coordination Chemistry Some New Facets: Ordered Structures, Crystal Engineering & Catalysis, National Seminar on 'Inorganic Chemistry and the Celebration of 150th Birth Anniversary of Acharya Prafulla Chandra Ray', Department of Chemistry, Jadavpur University, Kolkata.

Coordination Complexes as the Building Blocks: Ordered Structures, Crystal Engineering & Catalysis, International Conference on 'Advances in Applied Chemical Sciences and Innovative Materials', Department of Chemistry.

Molecules – to – Materials via Coordination Complexes as the Building-Blocks, National Symposium on 'Emerging Trends in Chemical Sciences', Department of Chemistry, BHU, Varanasi.

Molecules, Supramolecules and Materials: The Building Block Approach, Golden Jubilee Chemistry Conference on 'Molecules, Supramolecules and Materials', Department of Chemistry, IIT, Kanpur.

Heterobimetallic Complexes and Networks via Coordination Complexes as the Building Blocks. National Seminar on 'Recent Trends in Chemical Sciences', Department of Chemistry, APS. University, MP.

Coordination Complexes as Building Blocks: Discrete Complexes versus Heterobimetallic Networks. National Seminar on 'Confluences of Supramolecular Chemistry and Nanosciences', Department of Chemistry, Gujarat University.

Material Design via Coordination Complexes as the Building-Blocks.

National Conference on 'Frontiers in Chemical Sciences', Department of Chemistry, IIT, Guwahati.

**A. Ali, A.P., Singh, A.P. Kumar and R. Gupta:** Molecules, Supramolecules and Materials: The Building Block Approach, International Symposium on 'Frontiers in Inorganic Chemistry', Department of Inorganic Chemistry, Indian Association for the Cultivation of Science, Kolkata.

**S. Kumar and R. Gupta:** Coordination Chemistry with Amide – based Macrocyclic and Open – chain Ligands, National Conference on ‘Frontiers in Chemical Sciences’, Department of Chemistry, IIT, Guwahati.

**Dr. Tarkeshwar Gupta:** Chemical Weapons: History and Chemistry, Department of Chemistry, University of Delhi.

**Prof. Rita Kakkar and S. Sharma:** National Seminar on Current Trends in Chemistry-CrTriC 2011, Cochin University of Science and Technology.

**N. Azad, P. Gahlot, D. Gupta, and R. Kakkar:** AZ12 based Drug Designing of PDHK2 Inhibitors. Workshop on ‘Molecular Modelling & Drug Design’, CMSD, University of Hyderabad (Poster presentation: 3rd prize).

**Prof. J.M. Khurana:** First Indo-Italian Workshop on ‘Frontiers of Fundamental and industrial Electrochemistry. Department of Chemistry, University of Delhi.

4th Indo-Italian Seminar on Green Chemistry and Natural Products. Department of Chemistry, University of Delhi.

7th Indo-Italian Workshop on Chemistry and Biology of Antioxidants. Department of Chemistry, University of Delhi.

13th CRSI National Symposium in Chemistry and the 5th CRSI-RSC Joint Symposium in Chemistry. NISER, Bhubaneswar.

**Prof. Shrikant Kukreti:** 7th Asian Biophysics Association (ABA) Symposium and Annual Meeting of the Indian Biophysical Society (IBS). India Habitat Centre, New Delhi.

**Dr. Gopalaiah Kovuru:** Annual Covention of Chemists-2010 and International Conference on Recent Advances in Chemical Sciences, Indian Chemical Society, Raipur.

**Dr. M.D. Milton and Amita:** Professor Ram Chand Paul International Conference on Emerging trends in Chemistry. Department of Chemistry, Punjab University, Chandigarh.

4th Indo – Italian Seminar on Green Chemistry. Department of Chemistry, University of Delhi.

**Dr. Mahendra Nath and D. Prasad:** 15th ISCB International Conference on Bridging Gaps in Discovery & Development: Chemical and Biological Sciences for Affordable Health, Wellness and Sustainability.

**Prof. D.S. Rawat:** International Conference on Advances in Applied Chemical Sciences and Innovative Materials, IIT, Delhi.

15th ISCB International Conference (ISCBC-2011), Chemical biology for discovery: Perspectives and challenges, Sautrashtra University, Rajkot, Gujarat.

Seminar on ‘Recent trends on chemical biology, Central Institute of Aromatic and Medicinal Plants, Lucknow, UP.

Invited Speaker, 14th National Organic Symposium Trust (NOST), Goa, 4-8 December 2010.

National Seminar of Recent Advances in Chemical Sciences, Rewa University, Rewa, MP.

Best poster award National Conference on Green and Sustainable Chemistry (NCGSC-2010), Chemistry Group, Birla Institute of Technology and Science, Pillani, Rajasthan, 2010.

Best poster award 14th ISCB International Conference (ISCBC-2010), Chemical biology for discovery: Perspectives and challenges, Central Drug Research Institute, Lucknow. (*Young scientist award lecture, News Published by Indian Express: [http://www.expressindia.com/story\\_print.php?storyId=569055](http://www.expressindia.com/story_print.php?storyId=569055)*).

T3D International Symposium on Trends in Drug Discovery and Development, University of Delhi, Delhi.

**N. Kumar, S.I. Khan, S. Manohar, Beena, D. Kumar, N. Roy, R.K. Rohilla, R. Singh and D.S. Rawat.** 15th ISCB-2011 International Conference of Indian Society of Chemist and Biologist, Saurashtra University, Rajkot, Gujarat.

**Beena, D. Kumar, T. Parish, N. Roy, R. Singh and D.S. Rawat:** Indo-US-NIAID TB Drug Discovery Forum-Exploring Opportunities for Research Collaboration, New Delhi.

**D. Kumar, Beena, N. Roy, H. Atheaya, N. Kumar, S. Manohar, A. Thakur, S.I. Khan and D.S. Rawat:** 7th Indo-Italian Workshop on Chemistry and Biology of Antioxidant. Department of Chemistry, University of Delhi.

**S. Manohar, H. Atheaya, and S.I. Khan:** National Conference on Green and Sustainable Chemistry (NCGSC-2010), Chemistry Group, Birla Institute of Technology and Science, (Pillani), Rajasthan.

**D. Kumar, Beena, R.K. Rohilla, N. Roy and D.S. Rawat:** National Conference on Green and Sustainable Chemistry (NCGSC-2010), Chemistry Group, Birla Institute of Technology and Science, Pillani, Rajasthan.

**N. Kumar, H. Atheaya, M. Sharma, S.I. Khan and D. S. Rawat:** 14th ISCB International Conference (ISCBC-2010), Chemical biology for discovery: Perspectives and challenges, Central Drug Research Institute, Lucknow.

**S. Joshi, G.S. Bisht, S. Yadav, Beena, D. Kumar, R.K. Rohilla, N. Roy, S. Manohar H. Atheaya, S.I. Khan and D.S. Rawat:** 14th ISCB International Conference (ISCBC-2010), Chemical biology for discovery: Perspectives and challenges, Central Drug Research Institute, Lucknow.

**N. Kumar, H. Atheaya, M. Sharma, S. I. Khan and D.S. Rawat:** T3D International Symposium on Trends in Drug Discovery and Development, University of Delhi.

**Dr. Basudeb Saha:** 3rd International Symposium on Green Processing in the Pharmaceutical & Fine Chemical Industries, University of Massachusetts Boston, Boston, Massachusetts, USA.



International Symposium on Frontiers in Inorganic Chemistry, IACS, Kolkata.

Green Chemistry Workshop, University of Delhi, Delhi.

Symposium on Advances in Chemistry, Birla Institute of Technology, Pilani.

Advancements and Opportunities in Green Chemistry, HNB Garhwal Central University, Srinagar.

UGC sponsored Conference 'Biodiversity in India: Perspective, Management and Conservation'. Dwijendralal College, Krishnanagar.

**Dr. M. Sathiyendiran, P. Rajakannu, A. Yadav, D. Gupta, F. Hussain, B. Shankar, S. Kumar K. Tharanikkarasu:** International Symposium on Frontiers in Inorganic Chemistry, Indian Association for the Cultivation of Science, Kolkata.

**Prof. R.K. Sharma:** International Conference on Environmental Challenges-A Global Concern' Kanya Maha Vidyalaya, Punjab.

National Conference on Green and Sustainable Chemistry. BITS Pilani.

All India Seminar on New Strategies for Reducing Carbon Foot Prints And Its Impact on Global Warming. Rajasthan College of Engineering for Women, Rajasthan.

National Conference on Role of Green Chemistry for Risk Free Environment. Department of Chemistry, Poornima Group of Institutions, Rajasthan.

National Seminar on New Trends in Green Chemistry organized by DAV College, Kanpur.

National Conference on Green Chemistry: An approach to meet the challenges of sustainability. Department of Chemistry, MMH College, Ghaziabad.

Green Chemistry in Education and Research in National Workshop on Renewable Energy & Environment, Ramjas College, University of Delhi.

Green Chemistry in Education and Research. Miranda House and Sri Venkateswara College Delhi University.

DST Green Chemistry Task Force Sponsored Workshop. IIT, Guwahati.

Green Chemistry education & research and demonstrated Green Chemistry Experiments at UCOST sponsored Green Chemistry Workshop. HNB central University, Garhwal.

National Conference on Environmental Conservation, Sustainable Resource Management and Strategies for Regional Development with reference to Uttarakhand organized by Department of Chemistry, DBS Postgraduate College, Dehradun.

**Prof. S.K. Sharma:** Conclave of Scientists, Zaheer Science Foundation, Delhi.

CARBO XXV- Silver Jubilee Conference of Association of Carbohydrate Chemists and Technologists. ACCTI and Himachal Pradesh University, Shimla.



Topics in Supramolecular Chemistry. Katholieke Universiteit Leuven, Belgium.

International Conference on Advances in Applied Chemical Sciences and Innovative Materials. IIT, Delhi.

National Workshop on Carbohydrate based Chemical Industry. National Chemical Laboratory, Pune.

2nd International Conference on Holistic Medicine (ICHM-2011). Institute for Holistic Medical Sciences , Kottayam, Kerala.

National Workshop on Recent Trends in Chemistry - 2011 (RTC-2011). Department of Chemistry, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Haryana.

**Dr. Vibha Tandon:** International Conference of Society of Chemists and Biochemists.

International Conference on Drug Discovery and Natural Products and Traditional Medicine, (NIPER).

**Dr. Natesan Thirupathi, P. Elumalai and M. Nethaji:** International Symposium on Frontiers in Inorganic Chemistry. Department of Inorganic Chemistry, Indian Association for the Cultivation of Science, (Jadavpur), Kolkata.

**P. Saxena, N. Thirupathi and M.M. Nethaji:** National Symposium on Frontiers in Main-Group and Organometallic Chemistry. Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bengaluru.

**Dr. P. Venkatesu:** Indo-Brazil-South Africa (IBSA) Workshop on Ionic Liquids. Department of Chemistry, Durban University of Technology, Durban, South Africa.

4th Congress on Ionic Liquids (COIL-4). Hilton Crystal City at Washington, DC, Arlington, USA.

International Conference on Chemistry Frontiers and Challenges. Aligarh Muslim University, Aligarh.

7th Asian Biophysics Association Symposium and Annual Meeting of the Indian Biophysical Society (IBS). India.

21st IUPAC International Conference on Chemical Thermodynamics (ICCT-2010). Tsukuba, Japan.

National Constellation Seminar, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar.

National Conference on Chemistry in Our Lives. Arya PG College, Panipat.

3rd National Conference on Recent Advances in Chemical & Environmental Sciences. Multani Mal Modi College, Patiala.

98th Indian Science Congress. SRM University, Chennai.

47th Annual Convention of Chemists (The Indian Chemical Society). Pt. Ravishankar Shukla University, Raipur.

5th National Conference on Thermodynamics of Chemical and Biological Systems. Manipur University, Manipur.

### Publications

**Bhattacharjee, N. and Biswas, P. 2011.** Structure of Hydration water in Proteins: A Comparison of Molecular Dynamics Simulation and Data Based Analysis. *Biophy. Chem.* 158: 73-80.

**2010.** Statistical analysis and molecular dynamics simulations of ambivalent  $\alpha$ -helices. *BMC Bioinform.* 11: 519(1-10).

**2010.** Position-specific propensities of amino acids in the  $\beta$ -strand. *BMC Struct. Biol.* 10: 29(1-10).

**Bhattacharjee, A. and Biswas, P. 2010.** Neutrality and evolvability of designed protein sequences. *Phys. Rev. E.* 82: 011906(1-6).

**2011.** Designing Misfolded Proteins by Energy Landscaping. *J. Phys. Chem. B.* 115:113-119.

**Kumar, A. and Biswas, P. 2011.** Intramolecular Relaxation Dynamics of Semiflexible Dendrimers. *J. Chem. Phys.* 134: 214901(1-10).

**Rawat, N. and Biswas, P. 2011.** Shape, Flexibility and Packing of Proteins and Nucleic acids in complexes. *Phys. Chem. Chem. Phys.* 13:9632-9643.

**Biswas, P. and Bhattacharjee, P. 2011.** Role of Foldability and Stability in Designing Real Protein Sequences. *Phys. Chem. Chem. Phys.* 13: 9223-9231.

**Kumar, A. and Biswas, P. 2010.** Dynamics of Semiflexible Dendrimers in Dilute Solutions. *Macromol.* 43: 7378-7385.

**Chauhan, S.M.S., Garg, B. and Bisht T. 2010.** Ionic interactions of anionic thiacalix[4]arenes with cationic porphyrins. *Arkivoc* (ii): 161-178.

**2010.** Electrostatic interaction between cationic calix[4]pyrroles and anionic porphyrins in water. *J. Incl. Phen. Macrocycl. Chem.* 67: 241-246.

**2010.** Synthesis and anion binding properties of novel 3,12- and 3,7-bis(4'-nitrophenyl)azocalix[4]pyrrole receptors. 34: 1251-1254.

**2011.** Meso-functional calix[4]pyrrole: A solution phase study of anion directed self assembly. *J. Incl. Phenom. Macrocycl. Chem.* 70: 249-255.

**Kumari, P., Sinha, N., Chauhan, P. and Chauhan, S.M.S. 2011.** Isolation, synthesis and biomimetic reactions of metalloporphyrinoids in ionic liquids. *Curr. Org. Synth.* 8: 393-437.

- Datta, M. 2010.** Indo Italian workshop. Department of Chemistry, University of Delhi.
- 2010.** 4th Indo-Italian Seminar on green chemistry and natural products. Department of Chemistry, University of Delhi.
- Kaur, M. and Datta, M. 2011.** Adsorption Characteristics of Acid Orange 10 from Aqueous Solution onto Montmorillonite Clay. *Adsorp. Sci, Tech.* 29: 301-318.
- Dhand, C., Das, M., Datta, M. and Malhotra B.D. 2011.** Recent advances in polyaniline based biosensors. *Biosens. Bioelect.* 26: 2811-2821.
- Dhand, C., Sumana, G., Datta, M. and Malhotra B.D. 2010.** Electrophoretically deposited nano-structured polyaniline film for glucose sensing. *Thin Solid Films.* 519:1145-50.
- Dhand, C., Solanki, P.R., Datta, M. and Malhotra B.D. 2010.** Polyaniline/Single-Walled Carbon Nanotubes Composite Based Triglyceride Biosensor. *Electroanal.* 22: 2683-93.
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*Book Chapters*

**Pandey, P., Datta, M. and Malhotra, B.D. 2010.** (1st ed). Application of some Nanomaterials to glucose biosensors. Lambert academic publishing GmbH & Co., Germany.

**Arya, S.K., Datta, M., and Malhotra, B.D. 2010.** (1st ed). Application of self assembled monolayers to cholesterol biosensor. Lambert academic publishing GmbH & Co., Germany.

**Deka, S. 2011.** Doped Transition Metal Oxide and Ferrite Nanocrystals. Lap Lambert Academic Publishing GmbH & Co. KG, Germany, ISBN 978-3-8443-2306-1. (authored).

**Deka, S., Figuerola, A., Dorfs, D. and Manna, L. 2011.** Hybrid Nanocrystals: Synthesis, Characterization, Optical and Magnetic properties. In *Encyclopedia of Semiconductor Nanotechnology*, ed. Ahmad Umar. California: American Scientific Publishers (ASP).

**Mondal, P.C., Gera, B. and Gupta, T. 2011.** In Book entitled: *Advanced Organic-Inorganic Composites: Materials and Applications*. Nova Publication press, USA.

**Rawat, D.S., Singh, R., Kumar, N., Sharma, M. and Rawat, M.S.M. 2010.** Synthetic and Clinical Status of Marine Derived Anticancer Peptides. *Compendium of Bioactive Natural Products*, Vol.7, Chapter 1, M/S. Studium Press LLC, USA; P. 1-28.

**Kumar, D. and Rawat, D.S. 2011.** Marine Natural Alkaloids as Anti-Cancer Agents on Opportunity, Challenge and Scope of Natural Products in Medicinal Chemistry. pp. 213-268. ISBN: 978-81-308-0448-4 (<http://www.tnres.com/ebookcontents.php?id=95>).

**Yong, K.T., Roy, I., Law, W.C. and Hu, R. 2010.** Synthesis of cRGD-peptide conjugated near-infrared CdTe/ZnSe core-shell quantum dots for in vivo cancer targeting and imaging. *Chem. Commun. (Camb)*. 46: 7136-7138.

**Ding, H., Yong, K.T., Roy, I., Hu, R., Wu, F., Zhao, L., Law, W.C., Zhao, W., Ji, W., Liu, L., Bergey, E.J. and Prasad, P.N. 2011.** Bioconjugated PLGA-4-arm-PEG branched polymeric nanoparticles as novel tumor targeting carriers. *Nanotechn.* 22: 165101.

**Yong, K.T., Law, W.C., Roy, I., Jing, Z., Huang, H., Swihart, M.T. and Prasad, P.N. 2011.** Aqueous phase synthesis of CdTe quantum dots for biophotonics. *J Biophot.* 4: 9-20.

**Yong, K.T., Xu, G. and Roy, I. 2011.** Engineering arginine cross-linked mercaptoundecanoic acid CdSe/CdS/ZnS quantum dots for two-photon imaging of live cancer cells. *Chem. Commun. (Camb.);* 47: 2901-2903.

**Sharma, R.K. and Dhingra, S. 2011.** Fuctionalized silica gel as metal scavenger, sensor and catalyst. Lap Lambert Academic Publishing GmbH & Co, ISBN 978-3-8443-1991-0, Germany.

**Sharma, R.K. and Dhingra, S. 2011.** Fuctionalized silica gel as metal scavenger, sensor and catalyst, Lap Lambert academic, publishing GmbH & Co, ISBN 978-3-8443-1991-0.

Prepared a monograph on Green Chemistry Experiments for undergraduate and postgraduate courses as a member of DST Green Chemistry monograph committee constituted by DST Green Chemistry Task Force. <http://dst.gov.in/green-chem.pdf>

#### *Patents*

**Saha, B., Zhan, L., Koonce, W. and Bhattacharjee, D. 2010.** Methods for producing crosslinkable silyl group containing polyoxyalkylene polymers. Dow Chemical Company, Patent application number 69336-WO-PCT.

## **DR. B.R. AMBEDKAR CENTRE FOR BIOMEDICAL RESEARCH**

### **Major Activities**

Dr. B.R. Ambedkar Center for Biomedical Research (ACBR) promotes high quality research in Biomedical Sciences, such as: Molecular Oncology, Epigenetic, Medical Biotechnology, Infectious Disease Immunology, Medical Chemistry, Molecular Modeling and Anticancer Drug Development, Molecular Immunology & Microbiology, Bio-organic Chemistry, Cancer Genetics, Protein Research & Human Genetics, Molecular Cardiology.

Several eminent scientists were invited who shared their expert experience with Faculty members, Ph.D. and M.Sc. students of the Center. The Center also celebrated its foundation day on 14 April 2010. Students have excelled in every field and along with academic excellence, students and staff of ACBR organized cultural fest by the newly formed cultural society named 'Chaperons'. It showcased the talents of ACBRites and gave platform to budding artists. An educational trip was organized to National Institute of Oceanography (CSIR), Goa during 2010-11. On development front, ACBR has moved to two new floors

which are fully equipped with modern laboratory facilities for research and teaching, modern classrooms and several new equipments such as NMR, FACS, FT-IR, Speed Vac System, etc. have been installed.

### **Ph.D. Degrees awarded**

Ph.D. - 40

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Functional analysis of dINO80, a chromatin remodeling prote in through element excision and RNAi mediated gene silencing using transgenic approach.	Prof. Vani Brahmachari	CSIR
Designing of cost effective, quick and easy visualization method for detection of CML, A1 and ALL leukemia patients using molecular beacon	Prof. Daman Saluja	DBT
Understanding the role of Human Sin3B in p53 – Mediated Gene Repression.		CSIR
Regulation of voltage gated calcium channels expression and function during Mycobacterium tuberculosis Infection.	Prof. K. Natarajan	DBT
Role of suppressors of cytokine signaling (SOCS) during Mycobacterium tuberculosis Infection.		DBT
Deciphering dendritic cell function during Mycobacterium tuberculosis infection by RNA interference		DBT
Synthesis of novel non-xanthine compounds as adenosine A2A receptor antagonists to study their anti-Parkinsonian and neuro-protecting effects.	Dr. P.M. Luthra	CSIR
Investigation of regulatory role of cholinergic system on apoptosis and inflammation in murine model of global cerebral ischemia.	Dr. Anju Katyal	CSIR

Evaluation of the protective role of Hypericum perforatum in chronic hypobaric hypoxia-induced neuronal degeneration and memory dysfunction.		ICMR
Creation of Bioinformatics Infrastructure Facility (BIF) at ACBR.	Dr. Madhu Chopra	DBT
An evaluation of the Anxiolytic activity of some novel aryl piperazine derivatives.	Dr. Manisha Tiwari	DU
Functional Impact of genetic variant in cancer disease Progression.	Dr. Ajay K. Yadav	DBT

**Dr. Manisha Yadav:** Received seed grant from VC, Delhi University, Delhi. Received start up grant from ACBR, Delhi University. Received grant from ACBR, Delhi University, Delhi.

### **Programmes taken up involving inter-institutional collaboration**

**Prof. B.C. Das:** ICMR-DKFZ (Indo-German) project on 'Development of Chimeric Genetic Vaccine against Human Papillomavirus Type 16'. 2008-2011 ICMR-DKFZ (Indo-German) project on 'Development of Chimeric Genetic Vaccine against Human Papillomavirus Type 16'. 2008-2011, Sponsoring Organization: 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'. 2008-2011, Sponsoring Organization: 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'. 2008-2011, Sponsoring Organization: ICMR.

**Dr. Madhu Chopra:** Survey of North Indian Medicinal plants for their larvicidal activity against malaria and filarial vectors, CO-PI, with Dr. Veena Aggarwal, (PI) Department of Botany, DU, Sponsoring Organization: ICMR.

Computational design and prediction of activity of novel opioid receptor antagonists and angiotensin converting enzyme inhibitors with Dr. Santosh Pasha, IGIB.

### **New Additions**

Dr. Ajay K. Yadav  
Dr. Manisha Yadav

Dr. Laishram Rajendrakumar Singh

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

**Prof. B.C. Das:** WHO temporary advisor for Global HPV Vaccine Program since 2003 and Director, Regional HPV Referral Centre; Distinguished Scientist Member, Governing Council, Rajiv Gandhi Cancer Institute and Research Centre, Rohini, New Delhi; Advisory



Board Member, M.P. Council of Science and Technology, (MPCST) Bhopal; Member, Board of Studies in 'Chromosomal and Molecular Diagnostics' DBT. Programme Support on Genetic Disorders, Banaras Hindu University; Member, Joint Coordination Committee for M.Tech. Course in Biotechnology between IGNOU and MPCST, Bhopal; Deptt. Research Committee Member, Department of Biotechnology, Amity University, Noida; Editorial board member of 9 International Journals; Associate Editor of BMC Cancer, UK.

### **Honours/Distinctions**

**Prof. B.C. Das:** Awarded J.C. Bose National Fellowship.

SAASCR award of Society of American Asian Scientists in Cancer Research.

**Dr. Manisha Yadav:** Awarded Maggie Stephens Stiftelse for attending 60th Annual Conference of the Canadian Society of Microbiologists, 2010 at Hamilton, Canada.

### **Seminars/Conferences attending**

**Prof. Daman Saluja and Jyoti Zack:** 'In- silico and interaction studies suggest a decrease in DNA – binding due to mutation in RUNXI' at the 17th International RUNX workshop on Hiroshima, Japan, 11-14 July 2010.

**Dr. Manisha Yadav, W. Huang, H. Fischer, J. Zhang, T. Miethke and C Svanborg:** 'Inhibition of Toll/interleukin-1 receptor (TIR) domain signaling by TIR domain-containing protein (TcpC): myeloid differentiation factor-88 (MyD88)-dependent and independent effects on *Escherichia coli* virulence'. 14th International Congress of Immunology, Kobe, Japan, August 2010.

**H. Fischer, N. Lutey, Yadav Manisha, A. Al. Hadad, D. Karpman, and C Svanborg:** 'Pathogen-specific, IRF3 dependent ceramide/TLR4 in innate resistance to kidney infections'. 14th International Congress of Immunology, Kobe, Japan, August 2010.

**Yadav Manisha, H. Fischer, J. Zhang, W. Huang, T. Miethke and C. Svanborg.** "Host TLR4 and adaptor protein genotypes modify the effects of TcpC on uropathogenic *Escherichia coli* virulence". 60th Annual Conference of the Canadian Society of Microbiologists at McMaster University, Hamilton, Ontario, Canada, June 2010.

**Dr. Madhu Chopra:** Drug Design and Development Using Pharmacophore Modeling and Virtual Screening at International Conference & Exhibition on Analytical & Bioanalytical Techniques 2010: Pharmaceutical R&D Summit, Hyderabad, 1-3 November 2010.

**Prof. B.C. Das:** 'HPV Infection, Clinical utility of HPV testing & HPV Vaccination' in the Second Annual Conference of International Association of Medical and Pharmaceutical Virologists on 'New Frontiers in Drug Discovery and Development against Emerging and Reemerging Viral Infections' at VPCI, 3-5 March 2011.

Chairman of Scientific Session I: IACR Presidential Oration Lecture 'Signaling Networks and Cancer'. The 30th Annual Convention of IACR meeting at the commemorate the 75th year of IICB 1935-2010) at Kolkata, 6-9 February 2011.



**Rakesh Kumar, Sutapa Mahata, Abhishek Tyagi, Shilpi Gupta, Alok C. Bharti and Bhudev C. Das:** Potential of Natural Products as anti-cancer agents in the International Cancer Symposium-2010: Designing and Translating Science behind the Disease, Thiruvananthapuram, 20-22 December 2010.

**Prof. Vani Brahmachari:** Mining the Human genome for Novel Genes: From in Silico analysis to Functional Validation. Vani Brahmachari; Invited talk at National Symposium @ DTU; Oct. 2010 Exploring Epigenetic Mechanisms of Genomic Imprinting ACBR-INMAS Interaction Vani Brahmachari; August 2010.

Mining the human genome for novel components of cellular memory modules: Prediction and validation. Vani Brahmachari; Vani Brahmachari, CSIR-IGIB / Mayo Clinic Joint International Symposium; December 2010.

Genetic Plasticity in clinical isolates of *M. tuberculosis*: In silico analysis to validation.

Invited talk at Bioinformatics Workshop @ACBR. February 2011.

Mining the Human Genome for novel genes of Cellular Memory Modules Vani Brahmachari; Indian Science Congress, SRM University, Chennai, January 2011.

Genetic Plasticity in clinical isolates of *M. tuberculosis* and its implications. Vani Brahmachari; Plenary Talk BIF Workshop @NIPGR. March 2011.

**Dr. P.M. Luthra:** 'Rational Drug Design approaches to Target Glioblastoma Multiforme, an Acute Form of Brain Cancer'. National Conference on Recent Advances in Pure and Applied Chemistry, Dr. B.R. Ambedkar Center for Biomedical Research, 28-29 December 2010.

Dopamine D2R Agonists and Adenosine A2AR Antagonists as Combination Therapy to treat Parkinson's Disease, National symposium of Biotechnology, Institute of Medicine and Research (IAMR), Ghaziabad, 4-5 March 2011.

**Dr. Madhu Chopra:** 'Mechanism Based Drug Design and Development Using Computational Methods', Workshop at Acharya Narendra Dev College, 4 March 2011.

'Mechanism Based Drug Development: Using Computational Methods for Developing Target Based Therapeutics' at National Conference on Recent Advances in Pure and Applied Chemistry, ACBR, Delhi, 28-29 December 2010.

'Drug Design and Development Using Pharmacophore Modeling and Virtual Screening' at Delhi Technological University, 23 February 2011.

'Drug Design and Development Using Computational Methods', Workshop on Bioinformatics at Maharishi Dayanand University, Rohtak, 15 September 2010.

'Drug Design and Development Using Computational Methods', Training Programme in Bioinformatics and Drug Design, at IIT Delhi, 30 August 2010.

'Mechanism Based Drug Development: Using Computational Methods for Developing Target Based Therapeutics', Workshop on INMAS-DU Collaboration, at INMAS, Delhi, 20 August 2010.

'Drug Design & Development - Modeling at National Workshop on Computational Science' at the Department of Physics & Astrophysics & DUCCC, University of Delhi, 1-7 July 2010.

'Drug Design and Development Using Pharmacophore Modeling and Virtual Screening' at National Conference on Medical Biotechnology vision -2020, 16-18 April 2010.

**Dr. Manisha Yadav:** Attended National Conference on 'Recent advances in Pure and Applied Chemistry', ACBR, Delhi University, December 2010.

Attended Symposium on 'Parasitic infections then and now: with Special Reference to India' held in the Department of Parasitology, PGIMER, Chandigarh.

### **Publications**

**Kumar, S., Guleria, R., Singh, V., Bharti, A.C., Mohan, A. and Das, B.C. 2010.** 'Efficacy of circulating plasma DNA as a diagnostic tool for advanced non-small cell lung cancer and its predictive utility for survival and response to chemotherapy'. *Lung Cancer*, 70: 211-7.

**2010.** 'Plasma DNA level in predicting therapeutic efficacy in advanced non-small cell lung cancer'. *Eur Respir J*. 36: 885-92.

**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, 329-346.

**Kumar, S., Guleria, R., Mohan, A., Singh, V., Ali, A., Bharti, A.C. and Das, B.C. 2010.** 'Utility of plasma tumour necrosis factor-alpha and transforming growth factor-beta1 as predictors of survival and treatment outcome in advanced non-small cell lung carcinoma'. *Biomarkers*, 15: 446-53.

**Shukla, S., Bharti, A.C., Mahata, S., Hussain, S., Hedau, S., Sharma, R., Pillai, M.R., Krishna, S., Chiplunkar, S., Tengaonkar, H. and Das, B.C. 2010.** 'Application of a Multiplex PCR to cervical cells collected by a paper smear for the simultaneous detection of all mucosal human papillomaviruses and typing of HR HPV types 16 and 18'. *J. Med. Microbiol.* 59: 1303-10.

**Khan, M.A., Bahadur, A.K., Agarwal, P.N., Sehgal, A. and Das, B.C. 2010.** 'Psychosocial disorders in women undergoing postoperative radiation and chemotherapy for breast cancer in India'. *Indian J. Cancer*. 47: 296-303.

**Shukla, S., Shishodia, G., Mahata, S., Hedau, S., Pandey, A., Bhambhani, S., Batra, S., Basir, S.F., Das, B.C. and Bharti, A.C. 2010.** 'Aberrant expression and constitutive activation of STAT3 in cervical carcinogenesis: implications in high-risk human papillomavirus infection'. *Mol Cancer*, 27; 9: 282.

- Kumar, S., Guleria, R., Singh, V., Mohan, A., Bharti, A.C. and Das, B.C. 2010.** 'Lack of utility of plasma TNF-alpha level in predicting therapeutic efficacy in patients with advanced non-small cell lung cancer'. *Cytokine*; 51: 245-8.
- Bose, P.D., Das, B.C., Kumar, A., Gondal, R., Kumar, D. and Kar, P. 2010.** 'High viral load and deregulation of Progesterone receptor signaling pathway: Association with Hepatitis E related poor pregnancy outcome'. *J. Hepatol.* 54(6):1107-13.
- Hedau, S., Kumar, U., Hussain, S., Shukla, S., Pande, S., Jain, N., Tyagi, A., Despande, T., Bhat, D., Mir, M.M., Chakrabarty, S., Singh, Y.M., Kumar, R., Somasundaram, K., Bharti, A.C. and Das, B.C. 2010.** 'Breast cancer and human papillomavirus infection: No evidence of HPV etiology of breast cancer in Indian women'. *BMC Cancer*, 20; 11: 27.
- Bose, P.D., Sarma, M.P., Medhi, S., Das, B.C., Husain, S.A. and Kar, P. 2011.** 'Role of polymorphic N-acetyl transferase2 and cytochrome P4502E1 gene in antituberculosis treatment-induced hepatitis'. *J. Gastroenterol Hepatol.* 26(2): 312-8.
- Hussain, S., Thakur, M.Y., Salam, N., Singh, I., Mir, N., Bhat, M.M., Siddiqi, M.A., Das, B.C. and Bharadwaj, M. 2011.** 'Association of cyclin D1 gene polymorphisms with risk of esophageal squamous cell carcinoma in Kashmir Valley-A high risk area'. *Mol. Carcinog.* 50(7): 487-98.
- Kumar, S., Guleria, R., Mohan, A., Singh, V., Bharti, A.C. and Das, B.C. 2011.** 'Efficacy of Plasma TGF- $\beta$ 1 Level in Predicting Therapeutic Efficacy and Prognosis in Patients with Advanced Non-Small Cell Lung Cancer'. *Cancer Invest*, 29(3): 202-7.
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- Mahata, S., Bharti, Alok, C., Shukla, S., Tyagi, A., Husain, S.A. and Das, B.C. 2011.** 'Berberine modulates AP-1 activity to suppress HPV transcription and downstream signaling to induce growth arrest and apoptosis in cervical cancer cells'. *Mol Cancer*, 15; 10: 39.
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**Thakur, N., Hussain, S., Nasare, V., Das, B.C., Basir, S.F. and Bharadwaj, M.** 'Association analysis of p16 (CDKN2A) and RB1 polymorphisms with susceptibility to cervical cancer in Indian population'. *Mol. Biol. Rep.*

**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. Comparative analysis of DNA methylation in transgenic mice with unstable CGG repeats from *FMR1* gene.

**Moh. P.A., Datta, S., Majumdar, S., Mehta, A.K., Baskaran, S., Gulati, N. and Brahmachari, V. 2010.** *Epigenetics*, 5: 3, 241-248.

**Bhatia, S., Pawar, H., Dasari, V., Mishra, R.K., Chandrashekar, S. and Brahmachari, V. 2010.** Chromatin remodelling protein INO80 has a role in regulation of homeotic gene expression in *Drosophila*. *Genes to Cells*, 15(7): 725-35. Epub June 7 2010.

**Brahmachari, V. and Bose, M.** Differential serum cytokine levels are associated with cytokine gene polymorphisms in north Indians with active pulmonary tuberculosis.

**Abhimanyu, Mangangcha, I.R., Jha, P., Arora, K., Mukerji, M, Banavaliker, J.N.** Indian Genome Variation Consortium, *Infect Genet Evol.* 2011 Jul; 11(5): 1015-22. Epub 2011 Apr 1.

Nucleosomal occupancy and CGG repeat expansion: a comparative analysis of triplet repeat region from mouse and human fragile X mental retardation gene 1.

**Datta, S., Alam, M.P., Majumdar, S.S., Mehta, A.K., Maiti, S., Wadhwa, N. and Brahmachari, V.** *Chromosome Res.* 2011 Apr 16. [Epub ahead of print].

**Gupta, D., Sharma, S.J., Singhal, A.T., Satsangi, C.A. and Natarajan, K. 2010.** 'Suppression of TLR2 Induced Interleukin-12, Reactive Oxygen Species, Inducible Nitric Oxide Synthase Expression by *Mycobacterium tuberculosis* Antigens Expressed Inside Macrophages During the Course of Infection'. *J. Immunol*, 184: 5444-5454.

**Patel, A.L., Sachdev, D., Nagpal, P., Chaudhry, U., Sonkar, S.C., Mendiratta, S.L. and Saluja, D. 2010.** 'Prevalence of Chlamydia infection among women visiting a gynaecology outpatient department: evaluation of an in-house PCR assay for detection of Chlamydia trachomatis'. *Ann Clin Microbiol Antimicrob* Sep 8; 9(1): 24. PMID: 20822551.

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- Singh, L.R., Poddar, N.K., Dar, T.A., Kumar, R. and Ahmad, F.** Protein and DNA destabilization by osmolytes: the other side of the coin. *Life Sci.* 2011 Jan 17;88(3-4): 117-25. Epub 2010 Nov 1. Review. PubMed PMID: 21047521.
- Singh, L.R., Gupta, S., Honig, N.H., Kraus, J.P. and Kruger, W.D. 2010.** Activation of mutant enzyme function in vivo by proteasome inhibitors and treatments that induce Hsp70. *PLoS Genet*Jan;6(1):e1000807. Epub 2010 Jan 8. PubMed PMID: 20066033; PubMed Central PMCID: PMC2795852.
- Markus Bredel, Denise M. Scholtens, Yadav, A.K., Angel, A. and Alvarez, Jaclyn J. 2011.** 'Renfrow etal. NFKBIA Deletion in Glioblastomas'. *New Eng. Journal of Medicine*, Feb 17; 364(7): 627-37.
- Yadav, A.K., Anagh, A., Sahasrabuddhe, Dimri, M., Bommi, P.V., Sainger, R., and Dimri, G.P. 2010.** 'Deletion analysis of BMI1 oncoprotein identifies its negative regulatory domain'. *Mol. Cancer*, June 22; 9: 158.



**Yadav, M., Zhang, J., Fischer, H., Huang, W., Lutay, N., Cirl, C., Lum, J., Miethke, T. and Svanborg, C. 2010.** 'Inhibition of TIR domain signaling by TcpC: MyD88-dependent and independent effects on *Escherichia coli* virulence'. *PLoS Pathogen*. Sep. 23; 6(9).

**Fischer, H., Lutay, N., Ragnarsdóttir, B., Yadav, M., Jönsson, K., Urbano, A., Al Hadad, A., Rämisch, S., Storm, P., Dobrindt, U., Salvador, E., Karpman, D., Jodal, U. and Svanborg, C. 2010.** 'Pathogen-specific, IRF3-dependent signaling and innate resistance to human kidney infections'. *PLoS Pathogen*.

**Siddiqui, W.A. and Srivastava, K. 2011.** 'Anticonvulsant activity of a combined pharmacophore of pyrazolo-pyridines with lesser toxicity in mice'; *Bull Korean Chem. Soc*, Vol. 32, No. 2.

## ENVIRONMENTAL STUDIES

### Ph.D. Degrees awarded

Ph.D. - 5

### Programmes taken up involving inter-institutional collaboration

System of Air Quality Forecasting and Research for Commonwealth Games, Delhi-2010 Programme. *Principal Investigator:* Dr. Gurfan Geig, IITM, Pune, Dr. Chirashree Ghosh, Delhi, *Sponsoring Organization:* Ministry of Earth Sciences, Govt. of India.

### New Additions

Dr. Gyan Prakash Sharma - Assistant Professor

Dr. Swati Diwakar - Assistant Professor

### Honours/Distinctions

**Prof. Maharaj K. Pandit:** Invited by National University of Singapore as Visiting Senior Fellow.

**Dr. Radhey Shyam Sharma:** DBT CREST Award 2011.

**Dr. Vandana Mishra:** DBT CREST Award 2011.

BOYSCAST Award 2011.

### Seminars/Conferences held

WNPATA International Conference on Lost Amphibians (Co-ordinator: Dr. S.D. Biju).

### Seminars/Conferences attended

**Dr. Shirashree Ghosh:** 4th International Conference on Plants & Environmental Pollution NBRI, Lucknow, 8-11 December 2010.

Indo-Italian Seminar on Green Chemistry and Natural Products, Department of Chemistry, University of Delhi, 17 November 2010.

International Conference on Emerging Technologies for Sustainable Environment, Aligarh Muslim University, Aligarh, U.P., 29-30 October 2010.

National Conference on 'Multidisciplinary Approach in Frontier Areas of Environmental Science & Engineering (MAFAESE-2011). Hisar, Haryana, 4-5 March 2011.

National Conference on Landscape Restoration Processes, Challenge and Opportunities, FRI, Dehradun, 22-23 February 2011.

National Seminar on Global Warming and Climate Change: Issues and Challenges in 21st Century India. Suri Vidyasagar College, Birbhum, W. Bengal, 20-21 November 2010.

Invited speaker Understanding climate change: Beyond Copenhagen. National Seminar on Global Warming and Climate Change: Issues and Challenges in 21st Century India at Suri Vidyasagar College, Birbhum, West Bengal, 20-21 November 2010.

Carbon map shows Green growth is possible in Delhi. National Conference on green chemistry at SRM University, Modinagar, 16-17 September 2010.

### **Publications**

**Anwar, F., Sharmila, P. and Pardha Saradhi, P. 2010.** 'No more recalcitrant: Chickpea regeneration and genetic transformation'. *Afr. J. Biotech.* 9: 782-797.

**Bhatt, J.P. and Pandit, M.K. 2010.** 'A macro-invertebrate based new biotic index to monitor river water quality'. *Current Science*, 99: 196-203.

**Chandra, A., Pardha Saradhi, P., Rao, K.S., Saxena, K.G. and Maikhuri, R.K. 2011.** 'An investigation into the energy use in relation to yield of traditional crops Central Himalaya, India'. *Biomass Bioenergy*, 35: 2044-2052.

**2011.** 'Traditional Agrodiversity Management: A Case Study of Central Himalyan village Ecosystem'. *J. Mount. Sci.* 8: 62-74.

**2010.** Assessment of monetary budgbet in traditional agrobiodiversity management: A case study of Central Himalayan village ecosystem. *Phytomorphology*, 60: 137-149.

**Cowling, R., Knight, A.T., Privett, S.D. and Sharma, G.P. 2010.** 'Invest in opportunities, not inventory in Hot spots'. *Conserv. Biol.* 24(2): 633-35.

**Das, M.K., Sharma, R.S. and Mishra, V. 2011.** 'A novel cationic peroxidase (VanPrx) from a hemiparasitic plant (*Viscum angulatum*) of Western Ghats (India): Purification, characterization and kinetic properties'. *Journal of Molecular Catalysis B: Enzymatic*, 71: 63-70.

**Dhir, B., Nasim, S.A., Sharmila, P. and Pardha Saradhi, P. 2010.** 'Heavy metal removal potential of dried *Salvinia buinass*', *Int. J. Phytoremed.* 12: 133-141.



- Dubey, P., Sharma, G.P., Raghubanshi, A.S. and Singh, J.S. 2011.** 'Leaf traits and herbivory as indicators of ecosystem function: a review'. *Curr. Sci.* 100(3): 313-320.
- Kothamasi, D. and Vermeylen, S. 2011.** 'Genetically modified organisms in agriculture: can regulations work?' *Environment, Development and Sustainability*, 13: 535-546.
- Karen, J. Esler, Sharma, G.P., Prozesk, H. and McGeoch, M. 2010.** How wide is the 'knowing-doing' gap in Invasion Biology? *Biological Invasions*, 12: 4065-4075.
- Maheswari, M., Varalaxmi, Y., Vijayalakshmi, A., Yadav, S.K., Sharamila, P., Venkatesharlu, B., Vanaja, M. and Paradha Saradhi, P. 2010.** 'Metabolic engineering using *mtID* gene enhances tolerance to water deficit and salinity in sorghum'. *Biol. Plant.* 54: 647-652.
- Pandit, M.K. 2010.** 'Indian higher education: In search of the teacher'. *Current Science*, 99: 728-730.
- Pandit, M.K., Pocock, M.J.O. and Kunin, W.E. 2011.** Ploidy influences rarity and invasiveness in plants. *Journal of Ecology*, 99: 1108-1115. [<http://www.nature.com/news/2011/110406/full/news.2011.213.html>]
- Rashid, I., Khuroo, A.A., Sharma, G.P., Reshi, Z.A. and Singh, J.S. 2010.** Is it enough to have 'green' Common Wealth Games 2010? *Curr. Sci.* 99(9): 1181-1182.
- Saxena, P. and Ghosh, C. 2010.** 'Status of Tropospheric ozone and other primary air pollutants after the implementation of CNG in Delhi', *Asian Journal of Chemistry*, 22(10): 7498-7506.
- Semwal, D.P., Pardha Saradhi, P., Kala, C.P. and Sajwan, B.S. 2010.** 'Medicinal plants used by local Vaidyas in Ukhimath block, Uttarakhand, India'. *Indian J. Trad. Know.* 9: 480-485.
- Shama, G.P., Esler, K.J. and Blignaut, J. 2010.** 'Alien invasives, disposable income and the gentle pursuit of happiness: socio-economic correlates of invasion?' *South Afr. J. Sci.* 106 (3/4): 1-6.
- Sharma, G.P., Kumar, M. and Raghubanshi, A.S. 2010.** Urbanization and road-use determines *Calotropis procera* distribution in the eastern Indo-Gangetic plain, India. *AMBIO*, 39(2):194-197.
- Sharma, G.P., Muhl, S.A., Milton, S.J. and Esler, K.J. 2010.** Nitrogen enrichment and competitive interaction between *Avena fatua* and herbaceous indigenous plants of South African Renostervelds. *Biol. Inva.* 12: 3371-3378.
- Sharma, M., Mishra, V., Rau, N. and Sharma, R.S. 2011.** 'Functionally diverse rhizobacteria of *Saccharum munja* (a native wild grass) colonizing abandoned morrum mine in Aravali hills (Delhi)'. *Plant and Soil*, 341: 447-459.

**Sharma, R.S., Mishra, V., Mohammed, A. and Babu, C.R. 2011.** Variations in outer-membrane characteristics of two stem-nodulating bacteria of *Sesbania rostrata* and its role in tolerance towards diverse stress. *Current Microbiology*, 63: 81-86.

**Sharma, S.K. and Pandit, M.K. 2010.** Synaptic mutation-driven male sterility in *Panax sikkimensis* Ban. (Araliaceae) from Eastern Himalaya, India. *Plant Systematics & Evolution*. 287: 29-36.

**2011.** 'Taxonomic study on *Panax sikkimensis* Ban. (Araliaceae) species complex using morphometric analysis from Sikkim Himalaya, India'. *Plant Systematics & Evolution*. Published online DOI: 10.1007/s00606-011-0501-8.

**Urfi, A.J. 2010.** 'Factors causing nest losses in the Painted Stork *Mycteria Leucocephala*: a review of some Indian Studies'. *J. Bombay Nat. Hist. Soc.* 107(1): 55-58.

**2010.** Using heronry birds to monitor Urbanization Impacts: A case study of Painted Stork *Mycteria leucocephala* nesting in the Delhi Zoo, India. *Ambio*. 39: 190-193.

## GEOLOGY

### Major Activities

The Department during the period under review is to get the first grant in the form of Electron Probe Micro Analyzer. Besides, the faculty members have also contributed in different fields of earth sciences through their cutting-edge research, through in-depth studies involving structural geology and U-Pb geochronology Prof. C.S. Dubey offered geological correlation between northeastern Himalaya and adjacent Indian craton. Prof. Dubey has also identified source and origin of arsenic contamination in Rajnandgaon and Kanker District, Chattisgarh in central India. From studies within Khairagarh volcanics Prof. T. Ahmad established Andean-type subduction margin with associated backarc rifting in the central Indian shield that subsequently became part of 'Columbia' Supercontinent. Prof. J.P.Srivastava has contributed on characterization of clays from Bijawar rocks of Sonari Basin and obsidian alteration character under hydrothermal condition. Dr. A. Chattopadhyay has characterized the Gavilgarh-Tan shear Zone as a product of transpressional shear during Mesoproterozoic oblique collision in central Indian Tectonic zone. Prof. GVR Prasad has delineated multiple causes, instead of a single one behind terminal Cretaceous extinction. Prof. Prasad has also contributed in vertebrate biodiversity in Deccan province and biotic dispersal between India and Africa at Cretaceous-Tertiary (K/T) transition. Prof. M. Jayananda has established 2.62 Ga High temperature metamorphism in the central part of eastern Dharwar craton and from studies within Neoproterozoics of South India proposed lateral contractional flow of hot orogenic crust. From natural climate archive of Holocene period Prof. Devesh K. Sinha retrieved variations in South Asian monsoon.

Prof. V.N. Bajpai assessed ground water quality of Markanda River basin for irrigation use. Besides providing lithostructural and chronological constraints for tectonic restoration

of Proterozoic accretion in the eastern India, Dr. N.C. Pant also contributed in understanding the processes involved in ultra-high temperate multi-reaction melting in pseudotachylite and ultra-high temperature granulite metamorphism from central India. Through high-resolution sequence stratigraphic analysis, Dr. P.P. Chakraborty established the forced regressive marine to continental transition in Himalayan foreland across the Subathu-Dagshai transition. Prof. A.M. Bholra and Dr. Shashank Shekhar documented kink bands in thrust regime from Srinagar-Garhwal area. The study on fresh water interaction in Mahanadi delta region by Dr. Shashank Shekhar is a work of recent demand. Dr. Vikrant Jain has worked towards river process understanding through stream power model and its application in stream management. Dr. Vimal Singh has worked towards understanding the morphotectonic evolution of the areas near the tectonically active mountain fronts. Dr. P. Kumar is working on Eocene-Oligocene successions of western Kutch to establish depositional environment and sequence stratigraphic framework of the area.

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

Ph.D.	-	4
M.Phil.	-	1

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
3-D modelling ... hydrology of NCR region.	Prof.C.S.Dubey	Ministry of Earth Scs. Seismology Division
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
Compositional studies on soluble organic matter from clay minerals of intra-volcanic bole horizons from Deccan Traps: palaeoenvironmental implications and KTB.	Prof. J.P. Srivastava	CSIR
CO <sub>2</sub> sequestration studies on volcano-sedimentary succession 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 Lineament.	Prof. J.P. Srivastava	DST
Variability of Indian monsoon since last glacial maximum (LGM).	Prof. Devesh K. Sinha	ISRO
Cretaceous northward drift of the Indian plate: Biological consequences.	Prof. G.V.R. Prasad	DU
Synplutonic mafic dykes from the late Archaean granite plutons of the Dharwar craton, southern India: implications for magma chamber processes, evolving lithospheric mantle and cratonization of Archaean crust.	Prof. M. Jayananda	DST
Petrology, whole rock geochemistry and Nd isotope study of TTG-peninsular gneisses and ultramafic rocks in the Hassan-Sira crustal corridor along Kasargod-Kurnool transect in the Dharwar craton.	Prof. M. Jayananda	DST
Structural Evolution of Gavilgarh-Tan Shear zone, central India: Field, micro structural and Experimental Approach.	Dr. A. Chattopadhyay	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
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. Vikrant Jain	DU-DST-Purse Programme

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 (Under Fast Track)
Ganga basin river management.	Dr. Vikrant Jain Dr. Shashank Shekhar	MoEF
River dynamics and Flood risk evaluation of the Kosi river, north Bihar plains: an integrated approach.	Dr. Vikrant Jain	MoES
Morphotectonic variability along the NW Himalayan front: Tectonics-Climate coupling.	Dr. Vikrant Jain	DST
Assessment of groundwater potential of Yamuna flood plain, NCT, Delhi.	Dr. Shashank Shekhar	Delhi Jal Board
Paleoclimatic and magmato-metamorphic history of Wilkes Land, East Antarctica: constraints from accessory minerals, clay mineralogy and micropaleontology in oceanic sediments,	Dr. N.C. Pant	National Center for Antarctic and Ocean Research, Goa.
Correlation of magmatic and metamorphic evolution of the North and South Delhi Fold Belts: constraints from chemical age dating using zircon/allanite/thorite/monazite.	Dr. N.C. Pant	DST
Investigation of the postulated piedmont fault between Ganga and Yamuna River.	Dr. Vimal Singh	DST
Study of first order connectivity in the Ganga River.	Dr. Vimal Singh	University of Delhi.
Constraints on crustal evolution and ore mineralization in the Aravalli-Bundelkhand proto-continent, Northern Indian Shield and the Eastern Baltic Shield Russia.	Dr. A.Saikia	DST-RFBR
Variability of Indonesian through flow and its effect on Indian monsoon during last 30000 years.	Dr. Ashutosh K. Singh	DST
Characterization of shell concentration and sequence stratigraphic interpretation of Middle Eocene to Oligocene succession of Kutch, India.	Dr. Pramod Kumar	University of Delhi

### **Programmes taken up involving inter-institution collaboration:**

River dynamics and Flood risk evaluation of the Kosi river, north Bihar plains: An integrated approach. Prof. R. Sinha, IIT Kanpur Ministry of Earth Sciences

Morphotectonic Variability along the NW Himalayan Front: Tectonics-Climate Coupling. Dr. M. Mukul, IIT Mumbai DST

### **Appointments to higher Posts/Assignments**

**Prof. C.S. Dubey:** Expert Member, National Expert Appraisal Committee (EAC)-1 in the Industry Sector for assessment, evaluation and clearance under the EIA Notification, Ministry of Environment and Forests, Govt. of India; Expert Member, Sub-Committee on Application of Geosciences for Weaker Sections, Ministry of Science and Technology (DST), Govt. of India. (Assigned to submit *Vision Document on Prevention and remediation of occupational hazards, Geo hazards, inventory design of low cost seismic, flood, cyclone, landslides and Tsunami resistant structure, Climate change adaptability options*); Expert Member, Geohazards (Landslides, Tsunamis etc.) Ministry of Science and Technology (DST), Govt. of India; UGC Nominee. Academic Staff College, Shimla; SAP-UGC Expert Advisory Member, Kumaon, Rajasthan and Goa Universities; Expert Member, PAC, R&D Panel, Indian National Committee, (CGWB) Ministry of Water Resources, Govt. of India; External Expert Member, Board of Research Studies, Departments of Geoinformatics and Geology, Kumaon University.

**Prof. T. Ahmad:** External Expert, committee member in faculty selection at Indian School of Mines, Dhanbad; Member, National Assessment & Accreditation Council (NAAC), UGC; Member, Governing Body, National Centre of Experimental Mineralogy & Petrology, University of Allahabad; Member Advisory Committee DRS-1, Department of Geology, AMU, Aligarh.

### **Honours/Distinctions**

**Prof. T. Ahmad:** Elected to INSA, New Delhi (2011 January) and National Academy of Sciences, India (NASI in 2010).

**Prof. G.V.R. Prasad:** Awarded J.C. Bose National Fellowship.

**Prof. M. Jayananda:** JGSI Radhakrishna Prize-2010 for the best paper published in *Geological Society of India*.

**Prof. M. Jayananda:** Official delegate at IUGS Executive Council Meeting at UNESCO, Paris (France), 20-26 February 2011.

**Dr. Sasank Sekhar:** Fellow, Geological Society of India.

**Dr. N.C. Pant:** Member, SCAR-SSG from India.

DST Expert committee member for EPMA at IIT, Mumbai.

**Dr. Ashutosh K. Singh:** Received 'Best Paper award' at Rajasthan University, Jaipur during National Conference on Paleontology, Stratigraphy and Paleoecology.

#### **Seminars/Conferences attending**

**Prof. D.K. Sinha:** Delivered keynote Expository Lecture on 'Earth Day' Lecture at GJ University, Hisar.

Delivered Key note Expository Lecture on 'Earth and Climate' at SMVD University, Katra under ISPIRE programme.

Chaired the technical session in a National Conference on Stratigraphy, Paleontology and Paleoenvironment at University of Rajasthan, Jaipur, Rajasthan, 2-5 February 2011.

**Dr. V. Jain:** Delivered invited lecture in DST sponsored Brainstorming workshop on 'Improvement of water cycle – Science, Technology and Management – Challenges and Options', Indian Institute of Science, Bengaluru, 2010.

Delivered invited lecture in DST Workshop on 'Geology and Metallogeny of Bihar and Jharkhand States', Hazaribagh, Jharkhand, 2010.

**Prof. M. Jayananda:** Convenor International Symposium on Precambrian accretionary orogens and continental growth and associated Field Workshop in the Dharwar craton, 2-11 February 2011.

**Prof. T. Ahmad and Prof. C.S. Dubey:** Chaired Session in 25th Himalaya-Karakoram-Tibet workshop held at Seven Hills and towers Conference Center, San Francisco, USA.

**Prof. C.S. Dubey:** Keynote address: Business Co-operations and Interactions on University of Excellence in India-A Global Perspective at 4<sup>th</sup> University-Business forum under European Commission, Brussels, 23-24 March 2011.

Talk on 'Industry-academia interaction' at Asia Oceania Geosciences Society Conference, Hyderabad, 5-9 July 2010.

'Industrial Interactions for Universities of Excellence for Sustainable Development' in Conference on Creating Sustainable Futures, University of Dundee, Scotland in partnership with India, IHC, Delhi.

**Dr. V. Singh:** Participated in first symposium of IGCP-581 on 'Cenozoic Tectonics, Landform Evolution and Climate Change in Asia' held in Nanjing University, China, 8-21 May 2010.

**Dr. N.C. Pant:** SCAR Open Science Conference, Buenos Aires, Argentina, August 2010 and delivered an oral presentation on Petrologic and age constraints from granulites of Central Dronning Maud Land, East Antarctica- implications for extension of east African orogeny in Antarctica.

Precambrian accretionary orogens, New Delhi, February 2011.

Presented an invited talk on Chemical dating of monazite: method and application.

National Symposium on 'Geology and Mineral resources of Bundelkhand Craton', Bundelkhand University, Jhansi, October 2010.

**Dr. Shashank Shekhar:** 'Groundwater related problems in the Yamuna river floodplains around Delhi', on invitation by Universtas-21, an International collaboration of multidisciplinary research, Project Development Workshop on: 'Sustainable urban stream restoration', University of Delhi, 12-13 November 2010.

Given lecture on 12-11-2010, Department of Geology, University of Delhi, and lead the field work around river Yamuna in Delhi for workshop participant on 13-11-2010.

'River Yamuna, the groundwater in it's flood plain and Delhi', on invitation by Goethe-Institute, Max Mueller Bhawan, New Delhi during Seminar 'Yamuna. Elbe-Contemporary flows. Fluid Times' 11-12 December, 2010, under the sub theme 'The river and the city-separate/connected' on 11-12-2010, venue: India International Centre, New Delhi.

'Groundwater modelling- A case study from Palla area New Delhi' on 11-03-2011, on invitation by Rajiv Gandhi National Ground Water Training and Research Institute during training program: 'International training course on Groundwater Management and Modelling- Training for African countries', venue: CGWB, Bhujal Bhawan, Faridabad, 3-17 March 2011.

**Dr. P.P. Chakraborty:** Structural evolution and possible tectonic framewrok of the Singhora basin, central India in 'Precambrian accretionary orogens', New Delhi, February 2011.

Recent geochronologic age data from Proterozoic platform sequences of Peninsular India: Implications towards supercontinent assembly. Oral presentation, AOGS meeting, Hyderabad, July 2010.

Deformation and Structures: National Conference, Oral Presentation of the paper entitled 'Subduction margin mega-earthquake: An enigma in plate dynamics, Jadavpur University, Kolkata, 29-31 October 2010.

**Dr. A. Saikia:** A calorimetric study of the  $Mg_3(Mg,S_i)Si_3O_{12}$  (majorite)- $Mg_3Al_2Si_3O_{12}$  (pyrope) garnet solid solution. Asia Oceania Geosciences Society Conference, Hyderabad, 5-9 July 2010.

**Prof. V.N. Bajpai:** International Conference on community based water resource management in Northeast India: Lessons from a global context. Assessment of groundwater prospect in the Markanda river basin, Northwest India: a morphometric approach at Guwahati, 28-30 January 2011.

**Dr. Shashank Shekhar:** 'Hydrogeology of flood plain areas, assessment of groundwater potential, development of groundwater resources and induced recharge' on invitation by



Central Ground Water Board, North Western Region, Chandigarh and Haryana State Public Health Engineering Department, Chandigarh during training course on 'Sustainability of Water Resources' for engineers of Public Health Engineering Department, Haryana State, Panchkula, 24 September 2010.

'An operational model for optimal groundwater pumping from battery of tubewells in Palla well-field, NCT, Delhi' on 13 January and 16 February 2011 on invitation by Rajiv Gandhi National Ground Water Training and Research Institute during training program on 'Mathematical modelling of groundwater systems', CGWB, Bhujal Bhawan, Faridabad, 5-18 January and 7-18 February 2011.

**Dr. N. Rani, Dr. J.P. Shrivastava and Dr. R.K. Bajpai, 2010.** Modelling of alteration behaviour of nuclear waste glass for long-term performance assessment in the geological repository in abstract National Mathematical Modelling of Natural Phenomena, INSA, Kolkata.

**2010.** Chemico-mineralogical studies on alteration of barium borosilicate nuclear waste glass under accelerated temperature pressure conditions. In abstract International Mineralogical Association, Hungary, Budapest.

**2011.** Chemico-mineralogical studies on impact glass from Lonar Crater: its suitability as natural analogue for nuclear waste glass in Abstract Glass and Optical Materials division Annual Meeting, American Ceramic Society, Savannah, Georgia.

**S.K. Jha, J.P. Shrivastava and C.L. Bhairam 2010.** Clay mineralogical constraints on the palaeoenvironment of the Bijawar metasediments in the Sonrai Basin in Abstract national Conference 'Geology and Mineral resources of Bundelkhand craton GMRB-2010'. 91-92, Jhansi.

**Dr. J.P. Shrivastava, Dr. S.K. Mukhopadhyay and Dr. S. Pal 2010.** 'Compositional studies on bole clays from the Early Cretaceous Sylhet Traps from Therriaghat section of Meghalaya: Palaeoenvironmental inferences' in abstracts all India Seminar 'National Conference and XXVII- convention of Indian Association of Sedimentologists (IAS-2010)'. IAS, Jammu University, Jammu, 17-18.

**Dr. S. Srivastava, Dr. J.P. Shrivastava, Dr. A. Mazumdar and Dr. B.G. Naik 2010.** n-Alkanes and associated hydrocarbons in the intra-volcanic bole horizons from the Mandla lobe of the eastern Deccan volcanic province: palaeoenvironmental inferences. International Seminar, NBRI, Lucknow, 188-4.

**Dr. N. Rani, Dr. J.P. Shrivastava and Dr. R.K. Bajpai 2011.** Nuclear Waste Disposal in the Impact Glass from Lonar Crater and its Long term Assessment in Geological Repository: Alteration Studies and Chemico-mineralogical Attributes National Seminar Recent Advances in Mineral Sciences and Their Applications, MSI, Mysore, 118-119.

**Dr. S.K. Jha, Dr. J.P. Shrivastava and Dr. C.L. Bhairam, 2011.** Clay alteration associated with Proterozoic uranium mineralization in Bijawars of the Sonrai Basin in Abstract national Seminar on 'Recent advances in mineral sciences and their applications', University of Mysore, Mysore, 120-122.

**Dr. M. Ahmad, Dr. S. Srivastava and Dr. J.P. Shrivastava, 2011.** REE signatures in the clays associated with the intra-volcanic bole horizons of the eastern Deccan volcanics: Palaeoenvironmental implications. National Seminar Recent Advances in Mineral Sciences and Their Applications, MSI, Mysore, 129-130.

**Dr. J.P. Shrivastava, Dr. S.K. Mukhopadhyay, Dr. S. Srivastava and Dr. S. Pal 2011.** 'Trace elemental studies on detrital clays from late Cretaceous- early Palaeogene succession of the Um-Sohryngkew river section of Meghalaya, India: palaeoenvironmental implications and K/Pg boundary' in abstracts all- India Seminar 'GJCMSI-2011 & Nat. Sem. on Recent Advances in Mineral Sciences and Their Applications', MSI, Mysore, 132-133.

**Dr. A. Chattopadhyay:** Rock Deformation and Structures: National Conference, Oral Presentation of the paper entitled 'Deformation partitioning in Gavilgarh-Tan shear zone, central India, and its implications for Mesoproterozoic partitioned transpression within Central Indian Tectonic Zone', Jadavpur University, Kolkata, 29-31 October 2010.

**Dr. A. Saikia:** Fluid absent melting of Phase E: Implications for generation of subduction zone fluids and associated magmatism. National Symposium on 'Geology and Mineral Resources of Bundelkhand Craton' (GMRB 2010) Bundelkhand University, Jhansi, 8-10 October.

Role of Dense Hydrous Magnesium phases in Subduction zone fluid generation and magmatism: an experimental approach. Discussion-based National workshop on 'Critical Appraisal of Plume and Alternate Hypotheses into the Origin of Melting Anomalies: Perspectives and Prospects of Research in India', Centre of Advanced Study in Geology, University of Lucknow, 15-16 March 2011.

**Dr. Ashutosh K. Singh, Prof. Devesh K. Sinha and Dr. Vikram P. Singh:** 'Monsoon variability in the western Arabian Sea since the Last Glacial Maximum: A comparison of planktic foraminiferal abundances with oxygen isotopes'. National Conference on Stratigraphy, Paleontology and Palaeoenvironment, University of Rajasthan, Jaipur, 3-5 February 2011.

**Dr. Ashutosh K Singh and Prof. Devesh K Sinha:** 'Monsoonal upwelling in the Western Arabian Sea since last Glacial Maximum (LGM): Planktic foraminiferal evidence'. National Conference on Stratigraphy, Paleontology and Palaeoenvironment, University of Rajasthan, Jaipur, 3-5 February 2011.

Late Pleistocene Oceanographic changes at ODP site 716A, Maldives Ridge, Equatorial Indian Ocean: A Planktic Foraminiferal evidence. National Conference on Stratigraphy, Paleontology and Palaeoenvironment, University of Rajasthan, Jaipur, 3-5 February 2011.

**Dr. Tushar Kaushik, Dr. Ashutosh Kumar Singh, Prof. Devesh K. Sinha, Dr. Ashutosh Kumar Singh:** Early Pliocene intensified tectonism in Southeast Asia and Eastern Indian Ocean circulation changes. National Conference on Stratigraphy, Paleontology and Paleoenvironment, University of Rajasthan, Jaipur, 3-5 February 2011.

**Prof. Devesh K. Sinha:** Attended ISRO GBP Meet at Hyderabad University, Hyderabad, 14 January 2011.

**Prof. V.N. Bajpai:** Identification of fresh groundwater areas using Remote sensing and GIS.

**Dr. Ashutosh K. Singh:** Attended ISRO GBP Meet at Hyderabad University, Hyderabad, 14 January 2011.

## **Publications**

### *Articles in Journals/Periodicals*

**Catlos, E.J., Sayit, K., Sivasubramanian, P. and Dubey, C.S. 2011.** 'Geochemical and Geochronological data from Charnockites and Anorthosites from India's Kodaikanal-Palani Massif, Southern Granulite Terrain, India'. *Topics in Igneous Petrology*, Bose Vol, Springer, p. 37.

**Shukla, D.P., Dubey, C.S., Singh, N.P., Tajbakhsh, M. and Chaudhry, M. 2010.** 'Source and Origin of Arsenic Contamination in Rajnandgaon and Kanker District, Chattisgarh Central India'. *Journal of Hydrology*, 395, pp. 49-66.

**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), pp. 336-359.

**Underwood, C.J., Goswami, A., Prasad, G.V.R., Verma, O. and Flynn, J.J. 2011.** 'Marine vertebrates from the 'middle' Cretaceous (early Cenomanian) of South India'. *Journal of Vertebrate Paleontology* 31(3): 539- 552.

**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 of India for biotic dispersal between India and Africa at The K/T transition'. *Comptes Rendus Palevol*. 9: 63-71.

**Boyer, D.M., Prasad, G.V.R., Goswami, A., Krause, D.W., Godinot, M., Verma, O. and Flynn, J.J. 2010.** 'New post crania of Deccanolestes from the Late Cretaceous of India and their bearing on the evolutionary and biogeographic history of euarchontan mammals'. *Naturwissenschaften*, 97(4): 365-377.

**Chattopadhyay, A. and Khasdeo, L. 2011.** 'Structural Evolution of Gavilgarh-Tan shear zone, central India: A possible case of partitioned transpression during Mesoproterozoic oblique collision within the Central Indian Tectonic Zone'. *Precamb. Res.* 186, 70-88.

- Chattopadhyay, A. 2011.** 'Contrasting tail-geometry around K-feldspar porphyroclasts in granite-mylonite, central India (photo-of-the-month)'. *Jour. Struct. Geol.*, 33, p. 423.
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- Deol, S., Deb, M. and Chattopadhyay, A. 2010.** Bhukia-Jagpura gold prospect: a preferred genetic model. In: Deb, M. and Goldfarb, R.J. (Eds.) *Gold Metallogeny: an Indian perspective*. *Alpha Science*, New Delhi: Oxford & Narosa Publ.; pp. 234-255.
- Kshetrimayum, K.S. and Bajpai, V.N. 2011.** 'Establishment of missing stream link between the Markanda river and the Vedic Saraswati river in Haryana, India – geoelectrical resistivity approach', *Current Science*, v.100 (11), 10 pp. 1719-1724.
- Archibald, J.D., Clemens, W.A., Padian, K., Rowe, T., MacLeod, N., Barrett, P.M., Gale, A., Holroyd, P., Sues, H.-D., Arens, N.C., Horner, J.R., Wilson, G.P., Goodwin, M.B., Brochu, C.A., Lofgren, D.L., Hurlbert, S.H., Hsartman, J.H., Eberth, D.A., Wignall, P.B., Currie, P.J., Weil, A., Prasad, G.V.R., Dingus, L., Courtillot, V., Milner, A., Basjpai, S., Ward, D.J. and Sahni, A. 2010.** 'Multiple causes, not a single cause for terminal Cretaceous extinctions'. *Science*, 328: 973.
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- Rekha, S., Upadhyay, D., Bhattacharya, A., Kooijman, E., Goon, S., Mahato, S. and Pant, N.C. 2011.** 'Lithostructural and chronological constraints for tectonic restoration of Proterozoic accretion in the eastern Indian Precambrian shield'. *Precambrian Research*, 2010. doi:10.1016/j.precamres.2011.03.015
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- Bera, M., Sarkar, A., Chakraborty, P.P., Loyall, C.S. and Sanyal, P. 2010.** 'Marine to continental transition in Himalayan foreland (Reply)'. *Bull. Geological Society of America*, v. **122**; No. 5/6; pp. 956-959.
- Chakraborty, P.P., Dey, S. and Mohanty, S.P. 2010.** 'Proterozoic platform sequences of peninsular India: Implications towards basin evolution and Supercontinent assembly'. *Journal of Asian earth Sciences*, v. **39**, pp. 589-607.

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- Kumar, S., Wesnousky, S.G., Perumal, R.J.G., Nakata, T., Kumahara, Y. and Singh, V. 2010.** 'Paleoseismological evidence of surface faulting along the northeastern Himalayan front, India: Timing, Size, and Spatial Extent of Great Earthquakes'. *Journal of Geophysical Research*, v. 115, B12422; doi:10.1029/JB006789.
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## PHYSICS & ASTROPHYSICS

### Major Activities

The Department of Physics and Astrophysics is one of the leading departments in Indian Universities which is actively involved in advanced level of post-graduate teaching and research. Currently, the department is offering a Ph.D. (Physics), M.Sc. (Physics) and M.Tech. (Nuclear Science & Technology and Nano Science & Technology) degree programme. The Department is one of the largest in the country offering various options of specialisation in both experimental and theoretical areas of physics. The department has a harmonious blend of faculty members pursuing research in both theoretical and experimental branches of physics. The research emphasis is on topics of both theory and experimental Condensed matter physics, Material science, Complex systems Computational physics, Nonlinear Dynamics, Plasma physics, High-energy physics, Nuclear and Particle Physics, Polymers, Nano-materials physics, String theory, Semiconductors, Bio-physics, Non-equilibrium Statistical mechanics and Chemical physics.

### Ph.D. Degrees awarded

Ph.D. - 17

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Synthesis microstructural and physical properties of monolithic silicon carbide foams.	Prof. R.P. Tandon	DRDO
Synthesis and characterization of quantum dots.	Prof. R.P. Tandon	DRDO (LASTEC).

Semiconductor quantum dots for optical storage applications.	Prof. R.P. Tandon	DST
Oxide films for Infrared applications.	Prof. R.P. Tandon	DST
Development of Polymer Photovoltaic devices.	Prof. R.P. Tandon	DST-Purse
Growth of Device Level Lead free Alkali-Based Piezoelectric Single Crystals.	Dr. Binay Kumar	DST
Growth and Quality Control of High Performance Piezoelectric PZNT crystals.	Dr. Binay Kumar	DST
Growth of Device Level Non Linear Optical Organic/Semi- Organic Single Crystals by Various Methods..	Dr. Binay Kumar	DST-DU Purse Grant
Polymeric Gel Electrolytes Based Solid State Redox Supercapacitors Using Composite Conducting Polymer Electrodes.	Dr. S.A. Hashmi	DST
Synthesis and characterisation of metal, metal-oxide, and polymeric substrates for detection of nitroaromatic compounds.	Dr. Shyama Rath	DRDO
Nanocrystalline porous silicon for optical biosensing.	Dr. Shyama Rath	UGC
Swift heavy ion modification of indium oxide films.	Dr. Shyama Rath	IUAC
Electrical transport investigations on advanced materials for energy and information storage applications.	Dr. S. Murugavel	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 Ecosystem: A Study of Aquatic and Terrestrial Ecosystems of Yamuna River Catchment from National Capital Region Delhi.	Dr Awadhesh Prasad	DU-DST-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. Samit Kumar Mandal	DST
Resistive Plate Chamber (RPC) Research, Development, Fabrication & Testing and Neutrino Simulation Studies for INO-ICAL Experiment.	Prof. B.C. Choudhary	DST
IUSSTF/JC/High energy physics experiments.	Dr. Kirti Ranjan	Indo-USST
Exploring the dynamics of time-delay coupling in nonlinear systems.	Dr. Awadhesh Parsad	DST
3D simulation of convection in stellar convection zones.	Prof. H.P. Singh	ISRO
Multifunctional ZnO Films for Acoustic & Optoelectronics sensing device appls.	Prof. K. Sreenivas	DST
Development of Multifunctional Oxide thin film for opto-electronic applications.	Prof. K. Sreenivas	DRDO
Growth and characterization of composite matrices of SnO <sub>2</sub> thin film and nano-catalysts for automotive gas sensors.	Prof. Vinay Gupta	DRDO (NPMASS)
Development of a low cost real time monitoring system for detection of harmful gases.	Prof. Vinay Gupta	DIT
Design & Development of Functional Materials for SAW device structures.	Prof. Vinay Gupta	DRDO
Development of prototype of SAW sensor for NO <sub>x</sub> gas Development of prototype of SAW sensor for NO <sub>x</sub> gas.	Prof. Vinay Gupta	DST
Development of multifunctional metal oxide thin films for optoelectronic device application.	Prof. Vinay Gupta	DST-Purse
Development of multifunctional metal oxide thin films for optoelectronic device application.	Prof. Vinay Gupta	DST-Purse
Development of Pulsed laser deposited CeO <sub>2</sub> thin films for mediator-less glucose biosensor.	Prof. Vinay Gupta	UGC Min. of HRD
Development of magnetron source for plasma assisted growth of metal oxide thin films for sensor applications.	Prof. Vinay Gupta	DST Min. of S&T



### **Programmes taken up involving inter-institutional collaboration:**

Physics beyond the Standard Model, No. SR/S2/HEP-12/2006, located at SGTB Khalsa College, Principal Investigator Prof. Amitabha Mukherjee, Sponsoring Organisation: DST.

Centre of Excellence in Genome Science and Predictive Medicine, Principal Investigator: Prof. Sanjay Jain, and Dr. Awadesh Prasad, Sponsoring Organisation: DBT & Georgia State University, USA.

PRESPEC collaboration, Principal Investigator: Dr. S.K. Mandal, Sponsoring Organisation: GSI, Germany.

AGATA collaboration (Advance GAMMA Tracking Array), Principal Investigator: Dr. S.K. Mandal, Sponsoring Organisation: European collaboration.

FAIR collaboration (Facility for Anti proton and Ion Research), Principal Investigator: Dr. S.K. Mandal, Sponsoring Organisation: GSI, Germany.

INO Collaboration (Indian Neutrino Observatory), Principal Investigator: Dr. S.K. Mandal, Sponsoring Organisation: DST.

Proposal of a National Array of Neutron Detectors for Studies of Nuclear Reaction Dynamics from near Barrier Energy to Intermediate Energy, Principal Investigator: Dr. S.K. Mandal, Sponsoring Organisation: DST.

Resistive plate chamber research & development, fabrication, testing & neutrino simulation studies for INO-ICAL experiments. Principal Investigator: Dr. S.K. Mandal, Sponsoring Organisation: Dr. S.K. Mandal, Sponsoring Organisation: DST.

FAIR project: Pre-Operative Programme for Indian participation in the FAIR Project at GSI, Darmstadt, Germany – Accelerator and Detector-Related R&D and Prototyping' under the project Gamma Spectroscopy at NUSTAR., Principal Investigator: Dr. S.K. Mandal, Sponsoring Organisation: DST-Project.

Investigation of multi-nucleon transfer dynamics by heavy ion induced reactions using stable and exotic projectiles. Indo-German (DST-DAAD) PPP-, Principal Investigator: Dr. S.K. Mandal, Sponsoring Organisation: DST-DAAD project.

Study of exotic nuclei far from stability by means of high intensity ion beams. Indo-Italian Executive Programme of S&T Co-operation, Principal Investigator: Dr. S.K. Mandal, Sponsoring Organisation: DST.

Indo-US Knowledge R & D Networked Joint Centres: Accelerators and Detectors for future High Energy Physics Experiments, Principal Investigator: Dr. Kirti Ranjan, Sponsoring Organisation: Indo-US Science and Technology Forum (IUSSTF).

## **New Additions**

Dr. Sanjay Kumar Chamoli  
Dr. Sourin Das

Dr. Devki Nandan Gupta  
Dr. Ajit Mahapatra

Dr. Ashutosh Bhardwaj  
Dr. Smarajit Triambak

## **Honours/Distinctions**

**Dr. Awadesh Prasad:** Member of editorial Board 'Chaos, Soliton and Fractal' published by Elsevier science.

**Prof. Sanjay Jain:** Reappointed External Professor of the Santa Fe Institute, Santa Fe, New Mexico, USA for the period 2010-2013.

**Dr. Amita Chandra:** Ambassador Scientist, Humboldt Foundation.

**Dr. Sourin Das:** Indo-German Research Stay Fellowship.

**Dr. M.P. Srivastava:** Awarded 'UGC-BSR one time Grant' under MHRD/UGC-Empowered committee for Basic Science Research (BSR) Programme; Visiting Professor (Part Time) to Harbin Institute of Technology, Harbin, China on November 2010; Member of International Advisory Committee in The Sixth International Conference on Physical and Numerical Simulation of Material Processing (ICPNS'10), Guilin, China from November 2010; Member, National Advisory Committee for 25<sup>th</sup> National Symposium on Plasma Science and Technology, at Guhawati, December 2010; Associate Editor to Plasma Applications and Hybrid Functionally Materials, Korea, 2010; Member, Editorial Board for Frontier of Applied Plasma Technology, Japan, 2010; Mentor for INSPIRE Programme of DST 2010-to date.

**Avinash Khare:** Elected President of the Plasma Science Society of India (PSSI) 2010.

**Samit Mandal:** Visiting Fellow: GSI, Darmstadt, Germany, 8 June – 20 July 2010.

## **Seminar/Conferences held**

Dynamics Day Delhi, SVC, UDSC, 27 November 2010.

## **Seminar/Conferences attended**

**Dr. Sanjay Jain:** Invited talk on 'The large scale genetic regulatory network of E. coli: Understanding functional robustness at the system level' at the 55th Annual Meeting of the Biophysical Society at the Baltimore Convention Center, Baltimore, Maryland, USA, 5-9 March 2011.

**Dr. Sourin Das:** Quantum nanoelectronics Seminar of the Nanosciences foundation on 'Detecting non abelian quantum Hall states via thermal measurements' at Grenoble, France, 31 May 2011.

Contributed talk on 'Spin polarized Spin polarised scanning tunneling probe for helical Luttinger liquids' in the 7th Rencontres de Moriond on Quantum Mesoscopic Physics held at La Thuile, Italy, 13-20 March 2011.

**Dr. Silotia Poonam:** Phonon frequency distribution function of aligned multiwalled carbon nanotubes. Conference 'Carbon Nanotubes, Graphene, and Associated Devices III' which is part of SPIE NanoScience + Engineering in San Diego, CA United States, 1-5 August 2010.

**Dr. S.A. Hashmi:** Presentation on 'Ionic liquid incorporated PEO based polymer electrolyte for electrical double layer capacitors: A comparative study with lithium and magnesium systems', in the XII International Symposium on Polymer Electrolytes (ISPE-12), Padova, Italy, 29 August — 3 September 2010.

**Dr. D. Choudhury:** 'Planck 2010', CERN, May 31-June 4, 2010.

Perturbative higher-order effects at work at the LHC, CERN, 21 June - 9 July 2010.

Summer School in Cosmology (ICTP, 19 Jul — 31 Jul National Conferences Symposium on Mind, Mathematics and Language, Annual Convention of NAOP, JNU, December 2010.

**Dr. M.P. Srivastava:** Delivered a Plenary talk entitled 'Nanostructures Material Fabrication by Extremely Non-Equilibrium Hot and Dense Plasma route and Their Characterization' at ICPNS'10, Guilin, China, 16-19 November 2010.

Research Lectures 'Plasma Production and Phase change of materials' and 'Thin Film and Nanostructures of materials- Plasma Route' delivered at Harbin Institute of Technology, Harbin, China, 21-22 November 2010.

Presented a Talk entitled 'Sustainable Development and Carbon dioxide Decomposition by Plasma route to Combat Climate Change' in Session 1 in World Conclave of Scientists on Regional Co-operation in Science and Technology: Opportunities and Challenges in the context of Globalization, organized by UNESCO South Asia and South East Asia Science and Technology Policy Forum and Zaheer Science Foundation at Indian National Science Academy, 26-29 November 2010.

**Dr. Daksh Lohia:** Visited Imperial College London in June 2010 and gave a Seminar on 'An alternative perspective in Cosmology'. In October 2010 he visited CERN Geneva and gave a presentation on 'Minimizing constraints on Cold Dark Matter'.

**Dr. Avinash Khare:** 'Nonlinear wave structures in the heliosheath' UAH Workshop on 'Partially Ionized Plasmas throughout the Cosmos', 3-8 October 2010.

'Plasma heat pump' International Conference on Physics of dusty plasmas Garmisch Partenkirchen Germany, 16-20 May 2011.

'Plasma heat pump and heat engine' Patent granted by United States Patent and Trade Mark Office.

**Dr. A. Kedia and Dr. P. Senthil Kumar:** *Kinetic Growth and Stabilization of Gold nanostars* - Poster presented at the 3rd International Symposium on Materials Chemistry (ISMC- 2010), held at BARC, Mumbai, 7-11 December 2010.

**Dr. Abhitosh Kedia and Dr. P. Senthil Kumar**, *Fine tuning of localized Surface Plasmon Resonance in Gold nanostars - Poster* presented at the International Conference on Advances in Condensed and Nano Materials (ICACNM-2011), at Panjab University, Chandigarh, 23-26 February 2011.

**Dr. R.P. Tandon**: International Conference on Advanced Materials and its Applications, India, 2011.

Electron Microscopy Society of India, 2010.

**Dr. Sanjay Jain**: Invited speaker at the meeting 'Application of Control Theory and Optimization Techniques in Biochemical Pathways' (Satellite meeting of the International Congress of Mathematicians 2010), held at Hyderabad International Convention Centre, Hyderabad, 16-18 August 2010: Gave an invited talk on 'Structure and dynamics of feedback in the large scale genetic regulatory network of E. coli'.

**Dr. Shyama Rath**: 'Swift heavy ion induced surface nanopatterning of indium oxide thin films' N. Tripathi, S. Rath, D.K. Avasthi and A. Tripathi, in 'Swift heavy ions in material engineering and characterization (SHIMEC), at Inter University Accelerator Centre (IUAC), New Delhi, 6-9 October 2010.

**Dr. K. Vijayarangamuthu, Dr. Chaman Singh and Dr. Shyama Rath**: 'Tailoring the optical constant and thickness of Ge oxide thin films with swift heavy ions' Photonics 2010 X<sup>th</sup> International Conference on Fiber Optics and Photonics', at Indian Institute of Technology, Guwahati, 12-15 December 2010.

**Dr. Shyama Rath**: 'Ion beam induced nanopatterning in Indium oxide thin films and their PL emission', Shyama Rath, Neeti Tripathi and Ambuj Tripathi, in International Conference on Ion-induced nanopatterning on materials (IINM), at Institute of Physics, Bhubneshwar, 6-10 February 2011.

**Dr. Bhaskar Kanseri, Dr. Shyama Rath and Dr. Hem Chandra Kandpal**: 'Determination of Generalised Stokes Parameters for unpolarised, polarised and partially polarised light 10th International Conference on Fibre Optics and Photonics: PHOTONICS-2010' at Indian Institute of Technology, Guwahati (IIT), India.

**Dr. K. Vijayarangamuthu, Dr. Chaman Singh and Dr. Shyama Rath**: Refractive index of Ge Nanocrystals Embedded in a GeO<sub>x</sub> Matrix, 55<sup>th</sup> DAE Solid State Physics Symposium, Manipal University, Manipal, 26-30 December 2010.

**Dr. S. Das**: Invited talk on 'Spin quadrupoletronics: moving spin anisotropy around' in the ICTS-2010 Condensed Matter Program, Mysore, 14-21 December 2010.

**Dr. Amitabha Mukherjee**: International Conferences held in India International Conference on Issues in the In-service Development of Elementary Teachers, Bhubaneswar, October 2010.

**Dr. Anjali Sharma, Dr. Monika Tomar, Dr. K. Sreenivas and Dr. Vinay Gupta**: 'Trace level detection of NO<sub>2</sub> gas using SnO<sub>2</sub> thin films', Proc. of Sensors Applications Symposium (SAS 2011) held at San Antonio, USA, 22-24 February 2011, pp. 136-140.

'Room temperature detection of trace level NO<sub>2</sub> gas using SnO<sub>2</sub> nanoclusters', Proc. of Sensors Applications Symposium (SAS 2011) held at San Antonio, USA, 22-24 February 2011, pp. 145-148.

**Dr. Avinash Khare:** 'Pulsed Dust thrusters for micro-propulsion' National Conference on Electric Propulsion Systems, LPSC, 23-24 February 2011.

**Dr. Awadesh Prasad:** Perspectives in Nonlinear Dynamics, IISc. Bengaluru, 26-29 July 2010.

National Conference on Nonlinear Systems and Dynamics (NCNSD-2011), Bharathidasan University, Tiruchirapalli, 26-30 January 2011.

19th IEEE workshop on Nonlinear Dynamics of Electronics Systems, IICB, Kolkata, 9-11 March 2011.

DDD, SVC, UDSC, 27 November 2010.

52nd DAE-BRNS Symposium on Atomic, Molecular and Optical Physics held at Karnatak University, Dharwad, 22-25 February 2011.

**Dr. Amitabha Mukherjee:** National Conferences Symposium on Mind, Mathematics and Language, Annual Convention of NAOP, JNU, Delhi, December 2010.

**Dr. Abhitosh Kedia and Dr. P. Senthil Kumar:** Solvent Induced Kinetic Growth of Shape Controlled Gold Nanostructures presented at 55th DAE-Solid State Physics Symposium, held at Manipal University, Manipal, 26-30 December 2010.

**Dr. Sanjay Jain:** Gave an invited talk on 'Stability and diversity in complex systems'. Invited speaker at the 'Workshop and Symposium on Mathematical Ecology' held at IISER, Kolkata, 7-14 December 2010.

Participant in Discussion-Meeting on 'The Economy as a Complex System II: Economic Dynamics', held at Institute of Mathematical Sciences, Chennai, 27-29 December 2010.

**Dr. K. Vijayarangamuthu, Dr. Chaman Singh and Dr. Shyama Rath:** Refractive index of Ge Nanocrystals Embedded in a GeO<sub>x</sub> Matrix, 55<sup>th</sup> DAE Solid State Physics Symposium, Manipal University, Manipal, 26-30 December 2010.

**Dr. S. Jain and Dr. S. Krishna:** Can we recognize an innovation? Perspective from an evolving network model. In Principles of Evolution: From the Planck Epoch to Complex Multicellular Life (eds. Meyer-Ortmanns, H. and Thurner, S.) Chapter 5, pp. 145-172.

**Dr. Samal, A. and Dr. S. Jain:** Flows in complex biochemical networks: Role of low degree nodes. In Biobytes, Vol. 5, Open access newsletter of Biotechnology Information System, Department of Biotechnology, Govt. of India. <http://biobytes.bicmku.in/biobytesvol5/index.html> - Solid State Physics Symposium, held at Manipal University, Manipal, 26-30 December 2010.

**Dr. M.P. Srivastava:** Participated in Workshop 'Accelerated Commercialization of Technology and Innovation' organized by British High Commission, CSIR, Venture Centre, NSTEDB and Accelerator India at Venture Centre, NCR, Innovation Park, Pune.

25th National Symposium on Plasma Science and Technology, Guhawati, 8-11 December 2010.

Delivered invited talk 'Carbon di oxide decomposition by Plasma route to Combact Climate change/ Global Warming' in Earth Science Section at 98<sup>th</sup> Indian Science Congress, SRM University, Chennai, 3-7 January 2011.

**Dr. Binay Kumar:** Invited Talk on 'Study of crystal growth and defect features by optical, scanning and tunneling microscope' in the XV National Seminar on Crystal Growth, Tirunelveli – Tamil Nadu, 23-25 February 2011.

Invited Talk on 'Growth and characterization of technologically important crystals' in UGC Sponsored Conference on 'Recent Trends in Materials Research' Kalyan, Mumbai, 29- 30 January 2011.

**Dr. S.K. Mandal:** Invited speaker 'Physics with FAIR: Indian Perspective' is being organized at VECC-Kolkata, 8-10 March 2010.

Invited speaker National Theme Workshop on Nuclear Reaction Mechanism Panjab University, Chandigarh, 17-19 March 2010.

Invited speaker on Theme Meeting on Nucleus Nucleus Collision Around Fermi Energy (NNCAFE 2010), VECC, Kolkata, 16-17 December 2010.

Invited speaker on India NUSTAR meet, TIFR, Mumbai, 21-22 February 2011.

**Dr. S.K. Chamoli:** Attended a 3-day workshop on Radiation Safety Issues organized by the AERB India & University of Delhi jointly, held at Institute of Lifelong Learning, University of Delhi, 1-3 December 2010.

D.A.E. Nuclear Physics Symposium 2010, held at BITS Pilani, Rajasthan, 20-24 December 2010.

Physics with Linear Accelerator at IUAC, Delhi (*LINAC Workshop*), held at IUAC, New Delhi, 21 January 2011.

**Dr. Kirti Ranjan:** Invited Talk on 'Emittance preservation for the ILC Main Linac' DAE-BRNS Indian Particle Accelerator Conference, 2011 (InPAC2011), held at Inter-University Accelerator Centre, New Delhi, 15-18 February 2011.

**Dr. Anjali Sharma, Dr. Monika Tomar and Dr. Vinay Gupta:** 'Trace level detection of NO<sub>2</sub> gas using SnO<sub>2</sub> thin film by using different catalysts', *Lucknow J. Science*, Vol. 8, No. 1, (2011), pp. 597-602 (print Issn: 0974-8121, online ISSN: 0974-813X) Proc. 16th National Seminar on Physics & Technology of Sensors, 11-13 Feb. 2011.

**Dr. Manisha Tyagi, Dr. Monika Tomar, Dr. K. Sreenivas and Dr. Vinay Gupta:** 'NiO inorganic matrix for efficient detection of glucose in physiological range', *Lucknow J. Science*, Vol. 8, No. 1, pp. 587-91 (print Issn: 0974-8121, online ISSN: 0974-813X) Proc. 16<sup>th</sup> National Seminar on Physics & Technology of Sensors, 11-13 February 2011.

## Publications

### Books

**Bhattacharjee, A.B., Kumar, T. and Man Mohan. 2010.** Luttinger liquid in two-colour optical lattice, in *Laser and Bose Einstein Condensation Physics*, Narosa, New Delhi.

**Kumar, T., Aranya B Bhattacharjee and Man Mohan:** 'Strongly Correlated Quantum Dynamics of Multimode Light coupled to a two-level atom in a cavity *Modern Optics and Photonics*, Editors: G. Gurzadyan, G. Yu. Kryuchkyan and A V Papoyan, *World Scientific*, 2010.

### Research Articles in Books or Scholarly Journals

**Malhotra, Y., Roy, S., Srivastava, M.P. 2010.** 'Deposition and surface characterization 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.

**Srivastava, M.P. and Kobayashi, A. 2010.** 'Carbon Dioxide Decomposition by Plasma Methods and Application of High Energy and High Density Plasmas in Material Processing and Nanostructures', *Transaction of JWRI*, 39, 11-25.

**2010.** 'Plasma Processing of Nanomaterials under Extremely Non-Equilibrium Plasma Conditions with High Temperature and Density', *Frontiers of Applied Plasma Technology*, 3, 91-96.

**Arora, S., Rajouria, S.K., Bhatnagar, P.K., Arora, M. and Tandon, R.P.** 'Role of donor-acceptor domain formation and interface states in initial degradation of P3HT:PCBM-based solar cells' *Phys. Scr.* 83 (2011) 035804 (6pp) doi:10.1088/0031-8949/83/03/035804.

**Sachdeva, A., Kumar, M., Luthra, V. and Tandon, R.P.** 'Phase evolution studies of sol-gel derived lead zirconate titanate (PZT) nanopowder using X-ray diffraction and X-ray photoelectron spectroscopy'; *Applied Physics A: Materials Science & Processing*, DOI 10.1007/S00339-011-6301-8.

**Dhawan, S., Vedeshwar, A. G. and Tandon, R.P. 2011.** 'Correlation of Optical energy gap with the nearest neighbor short range order in amorphous V2O5 Films', *Journal of Physics D: Applied Physics*, Accepted Manuscript.

**Kashyap, R., Thakur, O.P., Mehra, N. C. and Tandon, R.P. 2011.** 'Effect of Processing Conditions on the Dielectric Properties of  $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$  Ceramics'. *International Journal of Modern Physics B*, Vol. 25, No. 8, 1049-1059.



- Sachdev, V. K., Patel, K., Bhattacharya, S. and Tandon, R.P. 2011.** 'Electromagnetic Interference Shielding of Graphite/Acrylonitrile Butadiene Styrene Composites'. *Journal of Applied Polymer Science*, Vol. 120, 1100–1105.
- Kumar, A., Gahtori, B., Rao, A., Kuo, Y. K., Shahnawaz, V.P.S. Awana and Tandon, R.P. 2010.** 'Magnetic and Thermal Behavior of Ru<sub>0.9</sub>Sr<sub>2</sub>YCu<sub>2.1</sub>O<sub>7.9</sub> Magneto-Superconductor Synthesized by High-Pressure High-Temperature Technique' *J. Supercond Nov Magn* DOI 10.1007/s10948-010-1071-7, Published online 03 December 2010.
- Kshetrimaym, R., Yadava, R.D.S. and Tandon, R.P.** 'Modelling electrical response of polymer – coated SAW resonators by equivalent circuit representation. *Ultrasonics*', Accepted Manuscript, DOI: 10.1016/j.ultras.2010.12.006
- Kashyap, R., Dhawan, T., Gautam, P., Thakur, O.P., Mehra, N.C. and Tandon, R.P. 2010.** 'Effect of Processing Conditions on Electrical Properties of CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub> Ceramics'. *Modern Physics Letters B*, Vol. 24, No. 12, 1267-1273.
- Gautam, P., Bhattacharyya, S., Singh, S.K., Kumar, R. and Tandon, R.P. 2010.** 'Effect of zirconium doping on ferroelectric properties and leakage current mechanism in Bi<sub>3.25</sub>La<sub>0.75</sub>Ti<sub>3</sub>O<sub>12</sub> (BLT) thin films', Accepted in *Physica status solidi – B*, Article number: pssb.201046308, <http://dx.doi.org/10.1002/pssb.201046308>.
- Dhawan, T., Vedeshwar, A.G., Singh, V. N., Mehta, B.R. and Tandon, R.P. 2010.** 'Quantum confinement in Amorphous InSb, *Scripta Materialia*', 63, pp. 97-100.
- Sachdeva, A., Gautam, P., Luthra, V. and Tandon, R.P. 2010.** 'Structural and Electrical Properties of Lead Zirconate Titanate 0-3 composite films', *Integrated Ferroelectrics*, 122, 1, pp. 134-143.
- Gautam, P., Sachdeva, A., Singh, S.K., Arora, M. and Tandon, R.P. 2010.** Dielectric functions of Niobium doped Bi<sub>3.25</sub>La<sub>0.75</sub>Ti<sub>3</sub>O<sub>12</sub> thin films using spectroscopic ellipsometry, *Integrated Ferroelectrics*, 122, 1, pp. 126-133.
- Dhawan, T., Tyagi, R., Bag, R.K., Singh, M., Mohan, P., Haldar, T., Murlidharan, R. and Tandon, R.P.** Growth of in as Quantum Dots on Germanium Substrate Using Metal Organic Chemical Vapor Deposition Technique, *Nanoscale Res. Lett.*, 5 (1) 31-37.
- Dhawan, T., Vedeshwar and Tandon, R.P. 2010.** Growth of Nanostructured Amorphous InSb by Vacuum Thermal Evaporation, *Integrated Ferroelectrics*, 122, 1, pp. 119-125.
- Arora, M., Sachdeva, A., Luthra, V., Tandon, R.P. and Pant, R.P. 2010.** Sol-gel Derived Nanocrystalline Lanthanum Doped Lead Zirconate Titanate Thin Films Studied for Solitary Waves Propagation, *Integrated Ferroelectrics*, 122, 1, pp. 144-151.
- Kashyap, R., Dhawan, T., Arora, M.K., Thakur, O.P. and Tandon, R.P. 2010.** Electrical conduction behaviour of CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub> ceramics with different sintering times, *Integrated Ferroelectrics*, 122, 1, pp. 108-113.



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- Gautam, P., Bhattacharyya, S., Singh, S.K. and Tandon, R.P. 2010.** Fabrication and Characterization of Bismuth Lanthanum Titanate ( $\text{Bi}_{3.25}\text{La}_{0.75}\text{Ti}_3\text{O}_{12}$ ) thin films for FeRAM devices, *Integrated Ferroelectrics*, 122, 1, pp. 63-73.
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- ‘Effect of thickness of Platinum catalyst clusters on response of SnO<sub>2</sub> thin film sensor for LPG’, *Sensors & Actuators B*, 153: 89-95 (2.934).
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- Verma, M., Chowdhuri, A., Sreenivas, K. and Gupta, V. 2010.** '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', *Thin Solid Films*, 518: 181-82. (1.693).
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**Rai, C., Sreenivas, K. and Dharmaprakash, S.M. 2010.** Improved ferroelectric and pyroelectric parameters in iminodiacetic acid doped TGS crystal Original Research Article, *Journal of Crystal Growth*, Volume 312, Issue 2, pp. 273-275.

**Sahare, P.D., Bakare, J.S., Dhole, S.D., Ingale, N.B. and Rupasov, A.A. 2010.** 'Synthesis and luminescence properties of nanocrystalline LiF:Mg,Cu,P phosphor'. *Original Research Article Journal of Luminescence*, Vol.130, Issue 2, pp. 258-265.

**Dhakate, S.R., Chauhan, N., Sharma, S., Tawale, J., Singh, S., Sahare, P.D. and Mathur, R.B. 2011.** 'An approach to produce single and double layer graphene from re-exfoliation of expanded graphite' Original Research Article, *Carbon*, Vol.49, Issue 6, pp. 1946-1954.

## ZOOLOGY

### Major Activities

The Department of Zoology was recognized as the Centre for Advanced Studies (CAS) and continues to enjoy this status by special assistance of the UGC-SAP program. UGC extended its CAS status in 2005 by providing special assistance for another five years. The department created a central instrument facility from grants under DST-FIST program. The current research and teaching in the department include Animal Physiology, Animal Behaviour, Aquaculture, Cell Signaling, Endocrinology, Microbiology, Genomics and Metagenomics, Molecular Cell Biology, Chromatin and Cancer Biology, Radiation Biology, Reproductive Physiology and Toxicology. The Department of Zoology is among one of the nine institutes in the country that have been chosen by the DBT to associate with M/s Nicholas Piramal Research Centre, Mumbai, to use high through-put screens for the discovery of new bio-molecules.

### Honours/distinction

**Prof. Muralidhar:** Awarded Prof. MRN Prasad Memorial Lecture Award by Indian National Science Academy, Delhi; Awarded Prof. G.P. Sharma memorial Lecture Award by the Panjab University, Chandigarh; Awarded Prof. P. Govindarajulu Endowment Lecture Award by Madras University, Chennai; Awarded Prof. A.K. Mukherjee Memorial Lecture Award, Indian Physiological Society, Kolkata; Golden Jubilee Lecture, University of Kalyani.

Member, Advisory Committee, UGC-SAP grant, Department of Biochemistry, Kerala University, Thiruvananthapuram; Member, Advisory Committee, UGC-SAP grant, Department of Endocrinology, University of Madras, Chennai; Member, Advisory Committee, UGC- SAP grant, Department of Zoology, University of Mysore, Mysore; Member, Advisory Committee, UGC-SAP grant, Department of Zoology University of Pune, Pune; Member, Research Advisory Committee, Bose Institute (DST), Kolkata; Chairman, Faculty Selection Committee, National Institute of Biomedical Research (DBT), Kalyani; Member, Academic Committee, JNU-CCMB, Hyderabad; Member, Academic

Committee, JNU-NII, New Delhi; Member, Academic Committee, JNU-ICGEB, New Delhi; Chairman, Sectional Committee (Animal Sciences), INSA; Chief Advisor, Biology, NCERT for Textbook writing, National Children Science Exhibition, Pedagogy, Lab manuals etc.

**Prof. A.K. Singh:** Member, Project Advisory committee, Department of Science & Technology.

**Prof. Vinod Kumar:** Platinum Jubilee Lecture award by Indian Science Congress Association; Chair, Symposium on Biological Clocks in Birds: from molecules to behavior, International Ornithological Congress, Brazil, August 2010.

**Dr. Rina Chakrabarti:** Elected Member Asian Fisheries Society, Indian Branch 2008 – 2011; Serving as Lead Institute of the multi-institutional (CIFA, Bhubaneswar, CIFRI, Barrackpore, KIIT University, Bhubaneswar) NFBSFAR Project of ICAR.

**Dr. D.K. Singh:** Expert/Judge for 5th Uttarakhand State Science & Technology Congress, Doon University, Dehradun, 10-12 November 2010.

**Dr. Rita Singh:** SAC member: Talwar Foundation; Member Ethics Committee, Sunder Lal Jain Hospital; International: Indo\_Korean, Konkuk University, Animal Biotechnology Frontier, College of Animal Life Science, Seoul, Korea. 2. Indo-US, Medical School, Virginia Commonwealth University, Virginia, USA.

National: AIIMS, Department of OBGYN, New Delhi. 2. Gouri Hospitals, Malka Ganj, Delhi, 3. Rajiv Gandhi Cancer Hospital, Delhi; Best Poster Award, *Regulation of Glycogen Synthesis by FSH in Rat Granulosa Cells in Vitro*, International Conference, ISSRF-NDRI, Karnal. 2010.

**Dr. Namita Agarwal:** Research Collaboration with Prof. J.L. Marsh, University of California, Irvine, USA.

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

Ph.D.	-	8
M.Phil.	-	19

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

**Prof. Rup Lal:** Organized the Indo-Swiss Collaboration in Biotechnology (ISCB) International Conference entitled 'Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants', University of Delhi, 9-11 February 2011.

Attended National Conference on recent trends in biotechnology in environmental management entitled 'Microbial Degradation of Hexachlorocyclohexane (HCH) and Prospects for Bioremediation' organized by the Department of Zoology, Osmania University College for Women, Hyderabad, 10 April 2010.

Presented a keynote lecture in a workshop 'Upgrading Lab Skills in Science' entitled 'Biotechnology: Introduction, Application, Opportunities and Misconceptions' at Maitreyi College, University of Delhi, 24 June 2010.

Presented 'Biotechnology -- From gene to genomes to synthetic Biology -- Introduction, Application, Opportunities and Misconceptions' at the Centre for Professional Development in Higher Education (CPDHE), University of Delhi, 27 July 2010.

Presented 'Biotechnology -- From gene to genomes to Synthetic Biology -- Introduction, Application, Opportunities and Misconceptions' at the Department of Biotechnology, IIT Roorkee, Uttarakhand, 31 July 2010.

Presented 'Role of Microbiology in the development of Biotechnology discipline' in a colloquium on Microbial Technology for Human benefits at Faculty of Life Sciences, M.D. University, Rohtak, Haryana, 7 August 2010.

Presented 'Genetic manipulations in the polyketide synthase (PKS) gene cluster of *Amycolatopsis mediterranei* S699 to produce rifamycin B analogues' at the 4<sup>th</sup> Indo-Italian Seminar on 'Green Chemistry and Natural Products' at Department of Chemistry, University of Delhi, 17 November 2010.

Presented 'Bioremediating Hexachlorocyclohexane (HCH): Possible Solutions and Challenges Ahead' at the Shri Ram Institute for Industrial Research, 19, University Road, Delhi, 22 November 2010.

Presented 'Sequencing bacterial genomes using different sequencing platforms with reference to our experience with genomes of *Amycolatopsis mediterranei* S699, *Sphingobium indicum*B90A & *Thermus manikarensis* RLM'. in a session on Microbial Biotechnology/Nanotechnology at 51th Annual Conference of the Association of Microbiologists of India entitled 'International Symposium on Recent Advances in Cross-disciplinary Microbiology: Avenues & Challenges' held at Birla Institute of Technology, Mesra, Ranchi, 16 December 2010.

Presented 'Bioremediating Hexachlorocyclohexane (HCH): Possible Solutions and Challenges Ahead'. in a session on Bioremediation Technology -- Recent advances at Department of Life Sciences, University of Mumbai, 20 December 2010.

Presented 'PUC merging genomics and metagenomics' at Department of Microbiology, Panjab University, Chandigarh, 11 January 2011.

Presented 'Merging genetics, genomics and metagenomics for developing bioremediation technology for the decontamination of Hexachlorocyclohexane' at Indo-Swiss Collaboration in Biotechnology (ISCB) International Conference entitled 'Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants' at University of Delhi, 9 February 2011.

Presented on 'Merging genetics, genomics and metagenomics for developing bioremediation technology for the decontamination of Hexachlorocyclohexane' at International Symposium on Omics Approach to Microbes (ISOAM) held at National Environment Engineering Research Institute (NEERI), Nagpur, 18 February 2011.

Presented on 'Using Genetics, Genomics and Metagenomics Approach for Developing Bioremediation Technology for the Decontamination of Hexachlorocyclohexane' at BioAsia-The Global Bio Business Forum, Hyderabad, 23 February 2011.

**Prof. A.K. Singh, A.K. Singh and A. Das:** 'Behavioural and Physiological responses of *Spodoptera litura* (Lepidoptera *litura* larvae to neem extracts under laboratory conditions Proceedings of IXth European Congress of Entomology, Budapest, Hungary, 22-27 August 2010.

**K. Singh and P. Ragesh:** 'Ovipositional Responses of *Helicoverpa armigera* (Lepidoptera: Noctuidae) to methanolic extract of *Ageratum conyzoides* Proceedings of IXth European Congress of Entomology, Budapest, Hungary, 22-27 August 2010, pp. 185.

**S. Gautam, R. Bhoopathy, R.D. Gautam and A.K. Singh:** Feeding and damage potential of *Zygogramma bicolorata* to the *Parthenium hysterophorus* Linnaeus. Proceedings of 3rd International Conference on Parthenium, pp. 103-104.

**S. Gautam, R.D. Gautam and A.K. Singh:** A simple labeling technique of *Zygogramma bicolorata* Pallister (*Chrysomelidae: Coleoptera*) Proceedings of 3rd International Conference on Parthenium, 8-10 December 2010, pp. 101-102.

**A. K. Singh, A. Singh and A.K. Singh:** Structural and functional analysis of Hevelin-like Protein in chick pea. Proceedings of 7th Indo-Australian. Biotechnological Conference, Brisbane, Australia, 25-27 October 2010, p. 12.

**Prof. Rina Chakrabarti:** Attended and served as panel member in the National Consultation on Agro-biodiversity Management programme 'Management of Animal Genetic Resources - Current Scenario, Priorities and Road Map', Indian Council of Agricultural Research, New Delhi, 26-27 May 2010.

Attended the International Conference 'Asian Pacific Aquaculture', Kochi, 17-20 January 2011.

Attended the Workshop on 'Sustainable Poverty Reduction in Nepal', Oslo, Norway, 2-5 June 2010.

**Prof. Vinod Kumar:** Organised: SERC School in Chronobiology (a two week activity) Gordon Research Conference in Pineal Cell Biology, Galveston, USA Society for Research in Biological Rhythms, Florida, USA.

26th International Conference in Chronobiology, Vigo, Spain.

7th International Congress of Neuroendocrinology, Rouen, France.

International Ornithological Congress, Brazil.

- Dr. D.K. Singh:** 51st AMI Conference at BIT, Misra, Ranchi, 14-16 December 2010.
- Dr. Shankar Bhattacharjee, Dr. Shivani Tyagi and Dr. D.K. Singh:** Effect of different amendments on soil nutrients and microbial Population Ananda AMI 2010 pp. 36-37. 51st AMI Conference at BIT, Misra, Ranchi, 14-16 December 2010.
- Dr. Ranju Sharma and Dr. D.K. Singh:** Comparative study on microbial diversity of Yamuna River in Delhi and NCR regions. AMI 2010 pp. 33-34, 51st AMI Conference at BIT, Misra, Ranchi, 14-16 December 2010.
- Dr. Sushma Sharma and Dr. D.K. Singh:** Microbial Diversity of Yamuna River soil in Delhi, India, AMI 2010, pp. 190 51st AMI Conference at BIT, Misra, Ranchi, 14-16 Dec. 2010.
- Dr. Ngangbam Sarat Singh and Dr. D.K. Singh:** Biodegradation of Endosulfan and Endosulfan Sulfate by *Achromobacter Xylosoxidans* strain C8D in Broth medium. AMI 2010, pp. 233, 51st AMI Conference at BIT, Misra, Ranchi, 14-16 December 2010.
- Dr. Madhu and Dr. D.K. Singh:** Optimization of environmental parameters for biodegradation of  $\alpha$  and  $\beta$ - endosulfan by *Klebsiella* sp. M3, AMI 2010, addendum. 51st AMI Conference at BIT, Misra, Ranchi, 14-16 December 2010.
- Dr. Ritu Mishra and Dr. D.K. Singh:** Effect of Bt-endotoxin on the protein profile of two nifH containing bacterial strains isolated from soil. AMI 2010 addendum 51st AMI Conference at BIT, Misra, Ranchi, 14-16 December 2010.
- Dr. Dileep K. Singh:** Studies on biodegradation of endosulfan by soil isolated bacteria. International Conference 'Recent trends in developing bioremediation strategies for HCH and other chlorinated contaminants', DU, Delhi, 9-11 February 2011, pp. 60.
- Dr. Pooja Deopa and Dr. Dileep K. Singh:** Phylogenetic diversity of bacterial population in the soil of Chamba Valley, Himanchal Pradesh, International Conference on 'Recent trends in developing bioremediation strategies for HCH and other chlorinated contaminants' Delhi University, 9-11 February 2011, pp. 96.
- Dr. Ranju Sharma and Dr. Dileep K. Singh:** Effect of pollution on soil microbial diversity of Yamuna River in Delhi and NCR region. International Conference on 'Recent trends in developing bioremediation strategies for HCH and other chlorinated contaminants', Delhi University, 9-11 February 2011, pp. 95.
- Dr. N. Sarat Singh and Dr. Dileep K. Singh:** Biodegradation of endosulfan sulfate a toxic metabolite of endosulfan by *Achromobacter xylosoxidans* C8B. International Conference on 'Recent trends in developing bioremediation strategies for HCH and other chlorinated contaminants', Delhi University, 9-11 February 2011, pp. 91.
- Dr. Sushma Sharma and Dr. Dileep K. Singh:** Study of microbial diversity of the Yamuna Soil in Delhi, India. International Conference on 'Recent trends in developing bioremediation strategies for HCH and other chlorinated contaminants', Delhi University, pp. 86.

**Dr. Madhu and Dr. Dileep K. Singh:** Accelerated Biodegradation of alpha and beta Endosulfan. International Conference on 'Recent trends in developing bioremediation strategies for HCH and other chlorinated contaminants', Delhi University, pp. 83.

**Dr. R.K. Seth, Dr. Zubeda and Dr. Zarin, M.:** Flight activity, mating competence and sperm behaviour of radio-sterilized lepidopteran pest, *Spodoptera litura* and its progeny. In: Second FAO/IAEA Research Co-ordination Meeting on CRP, 'Increasing the Efficiency of Lepidoptera SIT by Enhanced Quality Control' Stellenbosch, South Africa.

**Dr. R.K. Seth:** Potential Role of Radiation in Applied Entomology: Commercial Perspectives. In: 'International Conference on RADIATION PROCESSING: Value addition for Food, Agro, Healthcare and Other Industrial Products' at Delhi, 17-18 December 2010.

**Dr. Rita Singh:** Invited speaker, 'Microarray gene expression profile of granulosa cells from PCOS women with peripheral insulin resistance: Identification of Polycystic Ovary Syndrome Susceptibility Gene Sets through Network Analysis'. International Conference on Frontiers in Reproductive Technology and 21st Annual meeting of the Indian Society for the study of Reproduction and fertility, NDRI, Karnal, 9-11 February 2011.

'Reproductive Health Concerns: The impact of Environmental Toxicants on Reproductive health of women/ men'. World conclave of Scientists on Regional Co-operation in Science and Technology: Opportunities and Challenges in the context of Globalization, organized by UNESCO South Asia and South East Asia Science and Technology Policy Forum at INSA Auditorium, 26-29 November 2010.

Bioinformatic resources in Genomics and Proteomics, 'Bioinformatics and its applications in Drug Designing' training Program, at Bioinformatics Infrastructure Facility, Department of Biotechnology, Kumaun University, Nainital, 22-23 March 2011.

Microarray : High-Throughput analysis of Gene Expression, 3rd workshop on 'Bioinformatics and Molecular Modeling in Drug Design', at Bioinformatics Facility (DBT), Ambedkar Center for Biomedical Research, Delhi University, 24-26 February 2011.

'Reproductive health Concerns: The Impact of Environmental Toxicants/ Endocrine disruptors on Reproductive Health', at 'Current Trends in Life Sciences: The Indian Scenario', CPDHE/UGC-ASC refresher course in Life Sciences, Delhi University, 23 February 2011.

'Proteomics: A new approach to cancer Biomarker Discovery 'Trendys in Biochemistry 2010' organised by School of Biotechnology, Jawaharlal Nehru University, New Delhi and Department of Biochemistry, Sri Venkateswara College, University of Delhi, 12-13 November 2010.

'Reproductive health Concerns: The Impact of Environmental heavy metals and minerals on Reproductive Health of Women/Men' Panel Discussion on 'Hazardous Metals and Minerals Pollution in India: sources, toxicity, and management' Indian National Science Academy (INSA), New Delhi, 30 November - 1 December 2010.

'Identification of Polycystic Ovary Syndrome Susceptibility Gene Sets through Network Analysis, National Conference on Medical Biotechnology 'Vision 2020' Advanced Center for Biotechnology, Maharshi Dayanand University, Rohtak, 16-18 April 2010.

**Dr. Namita Agarwal:** Modification of Serines in Httex1p suppresses Huntington's disease (HD) pathogenesis in *Drosophila*. 52<sup>nd</sup> Annual Drosophila Research Conference, by Genetics Society of America, San Diego, Ca, USA, 2011.

Identification of benzamide-class HDAC inhibitors with efficacy in preclinical models of Huntington's Disease. *NeuroScience 2011*, Washington, DC, USA.

Organized a Workshop for *Drosophila* genetics practical teaching for Delhi University College Teachers at the Department of Zoology, University of Delhi, 13-14 November 2010.

**Dr. Sanjay Katiyar:** Sanjay Katiyar, Mathew C. Casimiro, Luis Dettin, Xiaoming Ju, Erwin Wagner, Hirokazu Tanaka, and Richard G. Pestell: Endogenous c-jun Inhibits Mammary Epithelial Cellular Apoptosis In Vivo.

102<sup>nd</sup> Annual Meeting, American Association for Cancer Research, Colorado Convention Center, Orlando, FL, 2-6 April 2011. Abstract No: 202/25.

Trimmer C, Sanjay Katiyar, Pestell RG, Lisanti MP and Capozza F. : Caveolin-1 in cutaneous squamous cell carcinoma development. 102<sup>nd</sup> Annual Meeting, American Association for Cancer Research, Colorado Convention Center, Orlando, FL, 2-6 April 2011. Abstract No: 1083/28.

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Screening for Bio-molecules from Microbial Diversity Collected from Different Ecological Niches.	Prof. Rup Lal	DBT
Construction of Bacterial Biosensors for Detection of Aromatic Hydrocarbons.	Prof. Rup Lal	DBT
Molecular Analysis of Agrocin Producing Agrobacterium radiobacter for Biological Control of Crown Gall in Stone Fruits.	Prof. Rup Lal	ICAR
All India Network Project on Soil Diversity Biofertilizers.	Prof. Rup Lal	ICAR and DBT
Understanding Individual & Community Genomes of Bacteria using New Generation Sequencing Technologies.	Prof. Rup Lal	DU/ DST – Purse Grant



Environmental Risk and Bioremediation of Hexachlorocyclohexane Isomers’.	Prof. Rup Lal	ISCB
Orientation of <i>Cotesia</i> plutellae to different food sources and their effect on longevity, parasitisation, and flight activity of adult parasitoid.	Dr. A.K. Singh	DST
A comparative study of testicular genes expressed during summer (regression) and winter active phase in wall lizard to identify gene(s) associated with onset of spermatogenesis, and functional genomic studies using transgenic mouse model to find their importance in animal virility.	Prof. Umesh Rai	DBT
Pathogen induced Toll-like receptors and proinflammatory cytokines gene expression in spleen of fresh water teleost <i>Channa punctatus</i> .	Prof. Umesh Rai	DU
Evaluation of Immunostimulatory and Disease Resistance Properties of an Indian Medicinal Plant <i>Achyranthes aspera</i> in Carps.	Dr. Rina Chakrabarti	DBT
Characterization of Digestive Proteases of Indian Major Carps and Its Capacity to Digest Plant Protein.	Dr. Rina Chakrabarti	DST
The Nature of Impact of Abiotic Stresses on Three Diverse Freshwater Species of Fishes.	Dr. Rina Chakrabarti	NFBSFAR, ICAR.
Circadian and Seasonal Systems: A study from Behaviour to Molecules.	Dr. Vinod Kumar	DST
Immunohistochemical study of Seasonal system in birds.	Dr. Vinod Kumar	CSIR
Evaluation of various bio-characteristics of radio-sterilized lepidopteran pest, FAO, Vienna. <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.	Dr. R.K. Seth	IAEA
Development of Generic Irradiation Doses for Phytosanitary Treatment of Mealy Bug Spp. Infesting Agricultural Commodities.	Dr. R.K. Seth	IAEA



Studies on the impact of Bt toxin on soil microbes, nematodes, annelids and arthropods.	Dr. D.K. Singh	DST
Diversity of nitrogen metabolizing bacteria based on nif H, nar G and amo A genes.	Dr. D.K. Singh	DBT
Estimating traceability using nuclear and molecular techniques for foods and feeds in India.	Dr. D.K. Singh	FAO/IAEA
Development of indicators for anthropogenic, environmental and chemical stress on urban ecosystem: A study of aquatic and terrestrial ecosystems of Yamuna river catchment from NCR region Delhi.	Dr. D.K. Singh	DU/DST Purse Grant
Isolation, Identification and purification of bacterial enzyme responsible for endosulfan degradation.	Dr. D.K. Singh	DU
Differential protein profiling of plasma from patients with tissue specific Cancer.	Dr. Rita Singh	DBT
Regulation of glucose metabolism in normal rat Granulosa cells: Role of Follicle stimulating hormone and insulin.	Dr. Rita Singh	DU
Heme oxygenase 1 in rodent Embryogenesis.	Dr. S. Basu Modak	DST
Developmental profile of the Heme oxygenase-1 gene expression in mouse.	Dr. S. Basu Modak	DU
Testing of phytochemicals for the treatment of neurodegenerative diseases using <i>Drosophila</i> as a model system.	Dr. Namita Agarwal	DU/DST- Purse Grant
Cost of selection response to simultaneous selection on two divergent life-history traits in <i>Drosophila melanogaster</i> .	Dr. Malikaarjun Shakarad	CSIR
Studies on the ecology and taxonomy of whitefly Bemisia tabaci in India, its symbiosis with various obligate and facultative bacterial symbionts.	Dr. Rajagopal Ramman	NAIP
'Understanding Individual and Community Genomes of Bacteria using New Generation Sequencing Technologies'.	Dr. Rajagopal Ramman	DU/ DST – Purse Grant

## Publications

**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, 429-433.

**Nigam, A., Jit, S. and Lal, R. 2010.** 'Sphingomonas histidinilytica sp. nov. isolated from hexachlorocyclohexane (HCH)- dumpsite, India'. *Int. J. Syst. Evol. Microbiol.* 60, 1038-1043.

**Lal, D. and Lal, R. 2010.** 'Evolution of mercuric reductase (*merA*) gene: A case of Horizontal Gene Transfer'. *Microbiol.* 79, 500-508.

**Lal, D., Gupta, S.K., Schumann, P. and Lal, R. 2010.** 'Microbacterium lindanitolerans sp. nov., isolated from Hexachlorocyclohexane (HCH) contaminated soil'. *Int. J. Syst. Evol. Microbiol.* 60, 2634-2638.

**Kaur, J., Verma, M. and Lal, R. 2010.** 'Rhizobium rosettiformans sp. nov., isolated from hexachlorocyclohexane (HCH) dump site in India, and reclassification of [*Blastobacter*] *aggregatus* Hirsch *et al.* [1985] as *Rhizobium aggregatum* comb. Nov'. *Int. J. Syst. Evol. Microbiol.*

**Kumari, K., Sharma, P., Tyagi, K. and Lal, R. 2010.** 'Pseudoxanthomonas indica sp. nov., isolated from Hexachlorocyclohexane (HCH) dumpsite in North India'. *Int. J. Syst. Evol. Microbiol.* (accepted).

**Anand, S., Malhotra, J., Dua, A., Garg, N., Saxena, A., Sangwan, N., Lal, D., Verma, M., Jindal, S., Kaur, J., Kumari, K., Nigam, A., Niharika, N., Kaur, J., Jit, S., Bala, K., Negi, P.L. and Lal, R. 2010.** 'A New Life in a 'Bacterium through Synthetic Genome: Landmark experiments by Craig Venter'. *Indian. J. Microbiol.* 50, 125-131.

**Brittain, D.R B., Pandey, R., Kumari, K., Sharma, P., Pandey, G., Lal, R., Coote, M. L., Oakeshott, J. G. and Jackson, C. J. 2010.** 'Competing S<sub>N</sub>2 and E2 reaction pathways for hexachlorocyclohexane degradation in the gas phase, solution and enzymes'. *Chem. Commun.* 46, 1-4.

**Singh, R. and Rai, U. 2011.** 'Immunomodulatory role of urotensins in teleost *Channa punctatus*'. *Gen Comp. Endocrinol.* 170(3): 613-21.

**Kumar, S., Ghorai, S.M. and Rai, U. 2011.** 'α-Endorphin inhibits phagocytic activity of lizard splenic phagocytes through ì receptor-coupled adenylate cyclase-protein kinase A signaling pathway'. *Gen. Comp. Endocrinol.* 171(3): 301-8.

**Bharti, S., Misro, M.M., Mathur, A. and Rai, U. 2011.** 'Role of estrogen in the regulation of spermatogenesis in the Indian wall lizard *Hemidactylus flaviviridis*'. *Gen. Comp. Endocrinol.* 172(2): 225-33.

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## 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.

A large number of delegations from universities from different countries, such as Australia, Canada, Indonesia, Japan, Korea, Taiwan and the United Kingdom made a visit to the Faculty and interacted with the faculty members and students. Memorandums of Understanding (MoU) were also signed between the Faculty and the foreign universities. The foreign professors are also visiting the Faculty on various fellowship programmes and doing their research.

Dr. David Peck from United States of America visited Faculty of Law as Fulbright-Nehru Visiting Lecturer. The year has witnessed a very good number of international and national conferences and seminars which were organized by the Faculty and its Centres. The conference proceedings of International Conference on 'Human Rights on 21st Century: Changing Dimensions' are under publication in the form of a book.

#### Seminars/Conferences held

The Indo-Korean Joint Seminar on "Enhancing Green Growth in India and Korea" was organized at the Faculty of Law on 12 November 2010.

The India-Australia Workshop on "Role of Specialist Environmental Law Courts for the Resolution of Environmental Disputes" was organized by Faculty of Law, University of Delhi and Australia India Institute on 1-2 February 2011.

International Conference on "Human Rights in 21<sup>st</sup> Century: Changing Dimensions" was organized by the Faculty of Law.

Law Centre-I organized Workshop-cum-Conference on 'Information Technology Law' on 11-12 March 2011.

Conference on 'Legal Education and Contemporary Issues' on 12 March 2011.

International Workshop--cum-Conference on "Intellectual Property Laws" was also organized by Law Centre-I in partnership with United States Patent and Trademark Office Global Intellectual Property Academy on 13-14 March 2011.

Moot Court competitions, Debates, Client Counselling and Group Discussion (GD) were organised regularly in all the three Centres of the Faculty.

### **Publications**

**Ahuja, V.K. 2010.** 'Non-Traditional Trade Mark: New Dimensions of Trade Mark Law'. *European Intellectual Property Review*. 11: 575-81.

## **LAW CENTRE-I**

### **Major Activities**

Law Centre-I has overtaken all pioneer law teaching institutes of the country by organising 11 mega events in 2010-2011 including International Conferences, International Lectures, National Conferences, Legal Workshops on National and State level and Lectures by various legal luminaries of the day. It provided opportunity to the teachers of the country to get trained in modern contemporary areas like Infotech and IPRs. Peculiarities are as follows:

Hon'ble Mr. Justice A.K. Ganguly, Judge, Supreme Court of India inaugurated the International Workshop on Intellectual Property Rights and made some policy statements. The International Workshop was organised by LC I in collaboration with United States Patent and Trademark Office held on 13-14 March 2011. Prof. Ashwani Kumar Bansal was Director and the gathering was addressed by IP Law experts from USA and India.

Hon'ble Mr. Justice G.S. Singhvi, sitting Judge, Supreme Court of India, addressed the students to initiate them into the field of law in Orientation programme on 21<sup>st</sup> July 2010.

Hon'ble Mr. Justice Markandey Katju, Judge, Supreme Court of India, inaugurated the National Conference on Legal Education and Contemporary Issues, held at LCI on 12 March 2011.

*Journal of Law Teachers of India (JOLT-I)* was launched when inaugural issue of the Journal was released by Hon'ble Mr. Justice Markandey Katju, Judge, Supreme Court of India on 12 March 2011.

Hon'ble Mr Justice P.V. Reddi, Chairman, Law Commission of India, enlightened the students with his special lecture on 'Constitutional Development through Judiciary' 23 September 2010.

National Workshop on Information Technology in collaboration with Department of Information Technology, at LCI, 11-12 March 2011.

Celebrated Constitution Law expert Professor M.P. Singh, VC, NUJS, gave a spell-binding lecture on 'Independence and Accountability of Judiciary' and shared his wisdom on the subject with students and teachers alike.

Prof. Peter P. Swire of the Ohio University delivered a lecture on 'Encryption, Lawful Interception and Information Technology'. Prof. Swire brought up online privacy issues and the raging debates of Google and Blackberry in the context of Indian and US laws.

An illustrious panel comprising of Mr. Parag Tripathi, Addl. Solicitor General of India, along with Mr. Yashoant Das, Senior Advocate, and Mr. Sushil Jain, Advocate on Record, talked on 'Constitution and Reservations', an event organized by Centre's Moot Court Society.

Workshop on 'Law and Medical Profession' held on 29 October 2010. Prominent speakers were Dr. Sunil K. Jain of Ganga Ram Hospital, Dr. Anita Gupta of UCMS, Dr. Kumud Bharti, Dr. Anupama and Prof. Ashwani Kr. Bansal and Meenakshi Lekhi spoke on the occasion.

Legal Article / Comment Writing Competition was held. Four articles were winners. Winning articles were published in inaugural issue of Journal.

9th All Delhi (NCR) Moot Court Competition was held on 30 October 2010 which was judged by six judges of the Delhi High Court. Home Team bagged the winner's trophy.

### **Honours/Distinctions**

**Dr. Topi Basar and Dr. Shweta Gagneja:** Awarded Ph.D. degree by University of Delhi and Punjabi University, Patiala respectively.

### **Seminars/Conferences attended**

**Prof. Ashwani Kumar Bansal:** Chairman of the session in India–Australia Workshop on 'Role of Specialist Environmental Courts for the Resolution of Environmental Disputes', organized by the Faculty of Law, University of Delhi in association with Australia India Institute, 1-2 February 2011.

**Dr. L. Pushpa Kumar:** Main person in organizing the India–Australia Workshop on 'Role of Specialist Environmental Courts for the Resolution of Environmental Disputes', organized by the Faculty of Law, University of Delhi in association with Australia India Institute and presented a paper on 'Scientific Complexities and Environmental Justice Delivery System', 1-2 February 2011.

**Prof. Ashwani Kumar Bansal:** Chairman of the 1st session in the 'International Conference on Human Rights in 21st Century: Changing Dimensions' held at Faculty of Law, University of Delhi, on 25-26 February 2011.

Director 'International Workshop on Intellectual Property Rights' organized at the Law Centre-I, Faculty of Law, University of Delhi in collaboration with United States Patent and Trademark Office, 13-14 March 2011.

**Dr. Manoranjhan Kumar Jha:** Presented a paper titled 'Death as Punishment in the Light of Human Right Perspective' in 'International Conference on Human Rights in 21st Century: Changing Dimensions' held at Faculty of Law, University of Delhi, on 25-26 February 2011.



**Dr. Ashwini Siwal:** Presented a paper titled *Torture in Times of Terror: A Preventive and Punitive Dichotomy* in International Conference on 'Human Rights in 21st Century: Changing Dimensions' held at Faculty of Law, University of Delhi, 25-26 February 2011.

Presented a paper 'Genetic Engineering and its Global Regulatory Regime: From Environmental Protection Perspective' in 'Two Day International Multidisciplinary Congress on Political Science and Global Governance' held at Chandigarh Judicial Academy organized by RGNUL, Patiala, Punjab, 26-27 March 2011.

**Prof. Ashwani Kumar Bansal:** Director of workshop on 'Information Technology' in collaboration with Department of Information Technology on 11 March 2011.

Director of Conference on 'Legal Education and Contemporary Issues' on 12 March 2011.

**Dr. Ved Kumari:** Director of the Training of Trainers Workshop in 'Teaching Methods' conducted at University of Petroleum & Energy Studies, Dehradun, 18-20 February 2011.

Resource person in the 'National Conference on Access to Justice: What it means to the Child', organised by the National Legal Services Authority.

**Dr. P.B. Pankaja:** Presented a paper on reforming 'Legal Education as a Means to Revitalize the Legal Profession' at the National Conference on Legal Education and Contemporary issues at Law Centre-I, Faculty of Law, 12 March 2011.

**Dr. Sunanda Bharti:** Resource person for a workshop on 'Faculty Development and Instructional Methodology' organised by the University of Petroleum & Energy Studies, Dehradun, 18-20 February 2011.

**Dr. Belu Gupta:** Presented a paper on 'Role of Law Teachers for Better Legal Education' at the 'National Conference on Legal Education and Contemporary Issues' held at Law Centre-I, Faculty of Law, University of Delhi, 12 March 2011.

**Dr. Ashwini Siwal:** Presented a paper titled 'Euthanasia: Morality and Law' in National Seminar on 'Emerging issues in Criminal Law' held at Ideal Institute of Management and Technology & School of Law (GGS Indraprastha University) Delhi, 22 January 2011.

## **Publications**

### *Journals*

**Bansal, A.K. 2011.** Editor-in-Chief in the Editorial Board of Vol. 1, No. 1-2 of the *Journal of Law Teachers of India*.

**Kumari, V. 2011.** Editor-in-Chief in the Editorial Board of Vol. 7 (1) *Journal of Delhi Judicial Academy*.

### *Research Articles*

**Bansal, A.K. 2011.** 'Reviewing Information Technology Legislation of India'. *Journal of Law Teachers of India*. 1: 1-34.



- Kumari, V. 2011.** Construction of Criminality and Children. Essex Human Rights Review - UKIERI Special Issue: Realising Children's Rights: Multidisciplinary, Comparative and Practical Perspectives.
- Kaur, S. 2011.** 'Need to Amend Abortion Law in India'. *Journal of Law Teachers of India*. 1: 35-48.
- Pankaja, P.B. 2011.** 'The Constitutional Vision of Socialism in India: An Ideological Perspective'. *Journal of Law Teachers of India*. 1: 49-65.
- Kumar, L.P. 2011.** 'Biotechnology Regulation: The Evolving Legal Framework in India' *Journal of Law Teachers of India*. 1: 145-166.
- Sharma, A. 2011.** 'Protection of Childhood by the Prohibition of Child Marriage Act, 2006'. *Journal of Law Teachers of India*. 1: 226-237.
- Singh, C.K. 2011.** 'Unresolved Issues in the Institution of PIL'. *Journal of Law Teachers of India*. 1: 167-185.
- 2011.** 'Economic Policies and Political Processes in the Pursuit of Constitutional Goals'. *Journal of Indian Law Institute*. 53: 333-355.
- Himanshu, V.K. 2011.** 'GMO Foods, Health and Environmental Hazards: Legal Regulation to Combat them'. *Journal of Law Teachers of India*. 1: 210-216.
- Chhachhar, V. 2011.** 'Telecom Regulatory Authority of India Act: An Overview'. *Journal of Law Teachers of India*. 1: 202-209.

## FACULTY OF EDUCATION

### EDUCATION

#### Major Activities

The year 2010 has been a memorable one. Various activities and programmes were held involving both the students and the faculty members of CIE.

The 63rd Foundation Day was celebrated on 19 December 2010. The Key address was delivered by Prof. Jean Dreze (Member, National Advisory Council, Visiting Faculty, Delhi School of Economics and G.B. Pant Institute, Allahabad) on the theme 'What's New in School Education?'. The solo play entitled 'The Little Prince' was staged by Asmita Group, directed by Mr. Arvind Gaur and acted by Ms. Rashi Bunny.

This year's Basu Memorial Lecture was delivered by Ms. Urvashi Butalia. Other highlights of the year include a lecture on 'Reflective Teaching' by Prof. Andrew Pollard, a presentation on 'Evolution' by Dr. Karen Haydock, a Lecture-cum-Slide Show on 'Photographing History' by the eminent photographer Ram Rehman, a lecture by Prof. Kancha Illiah, Osmania University on 'The Discourse of Dalit Writings and Knowing' and seminars by Prof. Christoph

Wulf, Freie Universitat, Berlin on 'Education in a Globalized Word: An Intercultural Task' and 'Identity and Rituals in Education'.

An interactive drama presentation on Pandita Ramabai, directed by Maya Rao and performed by the Theatre in Education Company of NSD, was organized for the B.Ed., M.Ed. and B.El.Ed. students at Miranda House. CIE also hosted three Spic Macay programmes.

Representatives from several Faculties of Education visited the Department this year to promote academic exchanges and explore areas of cooperation between Delhi University and the respective Universities. Some of the institutions represented were the New York University, USA, University of Edinburgh, University of Texas, Arlington, and the School of University of Wales, Newport, University of Edinburgh and Kuwait University.

The Regional Resource Centre for Elementary Education (RRCEE), as part of the University School Resource Network at Delhi University provides diverse platforms for the professional development of teacher practitioners and student-teachers through its various programmes. In the first phase, 22 teachers have completed their research successfully and some teacher fellowships have been awarded. Professor Poonam Batra is the coordinator of this centre.

Under the UK-India Education and Research Initiative (UKIERI), the Department had taken a five-year project in the area of in-service teacher education, in collaboration with the Open University (OU) in the UK. In its Pilot Phase, the Project Team has tried out a Mentor Scheme in 11 identified schools in which trained mentors and mentees were involved in mentoring each other for their ongoing professional development. Professor Rama Mathew is the coordinator of this project.

The Students' Panchayat activities are an essential component of the teacher education programme of CIE. The students of the Department visited the Parliament of India and the Nehru Planetarium in February and March 2011.

CIE faculty members continue to play a significant role in the larger professional community. This year the Padma Shri was awarded to Prof. Krishna Kumar by the President of India. He also took up the Erasmus Mundus Fellowship at the Institute of Education, University of London which also awarded him an Honorary D.Litt. in Education.

Library has a treasure of old books including valuable reference books. During this year, we added 1470 more books to the existing collection. Twenty nine Periodicals including nine foreign periodicals are being subscribed. This year approximately 70,000 books have been catalogued in the process of computerization of library books.

The Department upgraded its computer lab with an additional 37 desktop computers and organized a one-day workshop for the lab staff on hardware training in collaboration with the Delhi University Computer Centre during this financial year.

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

Ph.D.	-	5	(
M.Phil.	-	10	

## **Honours/Distinctions**

**Prof. Krishna Kumar:** Padma Shri awarded by the President of India.

Took up the Erasmus Mundus Fellowship at the Institute of Education, London.

Awarded Honorary D.Litt. in Education by the Institute of Education, University of London.

## **Seminars/Conferences held**

**Dr. D. Parimala,** coordinated: National Workshop on 'Changing Role of Teachers in Contemporary India: Policy and Practice', organized by the Department of Education, University of Delhi, 12 March 2011.

## **Seminars/Conferences attended**

**Prof. Anita Rampal:** Organised the International Seminar on '*Theorising Child Participation: National and International Perspectives*', in collaboration with the Department of Social Work, Jamia Millia Islamia, as part of a Research Network supported by the University of Edinburgh.

'Lessons on Food and Hunger: In Search of Transformative Education', Theme paper for the UNGEI International Conference 'Engendering Empowerment: Education and Equality', Dakar, and co-authored with H. Mander.

'Reflexive Education to Re-Envision Modernity'. Paper presented at the International Conference on 'South Africa-India: Dialogues on Social Justice and Contested Terrains', University of Johannesburg.

Participated in the International Conference on 'Pre-Service Teacher Education', NCERT.

Seminar presentation on 'Curriculum and Learner Evaluation' at the National Seminar on Reforms in School Education for Directors of SCERT and SIEMAT, at NUEPA.

Presented a Seminar on 'Knowledge, Sustainability and Pedagogy' at Lignan University, Hong Kong.

Delivered the Keynote Address at the National Summit on 'Quality in Education', organized by CII and Govt. of Maharashtra.

Made a presentation on the 'Right to Education' at the Annual Conference of Comparative Education Society of India (CESI), Zakir Hussain Centre for Educational Studies, JNU.

Presented a Seminar on 'Assessment in Elementary Classrooms', National Education Day, Mata Sundari College.

Keynote Address on 'Learning with Dignity', at the Seminar on Respect for the Child's Dignity, Parents' Forum for Meaningful Education, at India International Centre.

Seminar presentation on 'Critical Knowledges and Higher Education: Mapping the Ground', CWDS and Centre for Historical Research, JNU.

Participated in the Seminar on the 'National Higher Education and Research Bill' at NUEPA.

**Prof. Poonam Batra:** Teacher Policies in India: Country Report, presented at Regional Seminar on Teacher Policies in Asia-Pacific, UNESCO, Bangkok, Thailand, 17-19 November 2010.

Educating Teachers: Articulating the Language of Praxis, talk delivered at the Discussion Seminar on Mathematics Education, Homi Bhabha Centre for Science and Education, Mumbai, 23-24 August 2010.

Action Research: Concept and Perspective, presented at Workshop on Action Research, Tata Institute of Social Sciences, Mumbai, 26 July 2010.

Teacher Education Curriculum Framework: Vision and Curricular Thrusts, presented at Workshop on National Curriculum Framework for Teacher Education, Ranchi, 12-13 June 2010, organised by the Jamshedpur Women's College, Jamshedpur.

Social Science in Schools: Matters of Pedagogy and Curriculum, Talk delivered at the Tata Institute of Social Sciences, Mumbai, 2 June 2010.

**Prof. Rama Mathew:** Invited Speaker at the IATEFL Young Learners and Teenagers Special Interest Group Pre-Conference Event in Harrogate on Challenging changes or changing challenges? A YLT reality check, Harrogate, UK, 6 April 2010.

Convened and presented a symposium at the IATEFL Conference on Meaning Making through Stories for Young Learners, Harrogate, UK, 7-11 April 2010.

Invited Speaker at the Asia TEFL International Conference on 'Young Learner English Language Policy and Implementation: A View from India' in Hanoi, Vietnam, 6-8 August 2010.

Invited Speaker at the 16th NAFLE Annual Conference on 'How can Learners Learn to Learn English?' Beijing, China, 12-14 November.

Invited Speaker at the 16th NAFLE Conference on 'What can our Secondary School Students do in English?', Wuhan and Chongqing, China, 15-17 November 2010.

Conducted a Pre-Conference Workshop (along with team members of the UKIERI Project) on 'Mentoring in Schools: A Tool for Collaborative Reflective Practice', PCF 6, Cochin, 23 November 2010.

**Prof. Krishna Maitra:** Edited research papers as a Guest Editor on behalf of Gifted Education International.

**Prof. Gaysu R. Arvind;** 'Democracy, People's Agency and Prospects of Change', International Conference on Knowledge Globalization 2010: Empowerment through Knowledge Sharing and Progress through Knowledge Transfer, Organized by Suffolk University, Boston, Massachusetts; Knowledge Globalization Institute, Boston and School of Business Studies at North South University, Dhaka, May 2010.

Neoliberalism, Social Ordering and Educational Inequality: Understanding the Discourse from the Critical Perspective, Fifth International Conference on Public Policy and Management, Indian Institute of Management, Bengaluru, August 2010.

**Dr. P. Mohan Raju:** Presented a paper 'Experiences of Pre-Service Teachers: Issues of Concern for Teacher Preparation' co-authored with Alex P. Joy in National Workshop on 'Changing Role of Teachers in Contemporary India: Policy & Practice' organised by the Department of Education, University of Delhi, 12 March 2011.

**Dr. Sailaja Chennat:** Presented a paper 'How Inclusive are our Classrooms? Case study from India' at the International Conference on Education at Honolulu, Hawaii, USA, 7-10 January 2010 and Chaired the 1st Session on 1 October 2010 on Special Education.

Chaired a session on Primary Education on 29.11.2010, in the Inaugural Conference of the Indian Ocean Comparative Education Society held in the University of Peradeniya, Kandy, Sri Lanka on 29-30 November 2010 and Presented a paper titled 'Inclusive Classrooms: A Critical Analysis of Schools in Delhi' (Abstract published in the Conference Proceedings).

Participated on invitation, in the World Innovation Summit for Education in Doha-Qatar on 7-9 December 2010, where 1200 educationists from 29 countries shared their innovative practices.

**Dr. Vandana Saxena:** Fostering Pedagogical proficiency for an all inclusive science class: A case of the Indian classroom. Paper presented at STEM in Education international Conference held at Queensland University of Technology, Brisbane, Australia on 26-27 November 2010.

Panelist - Let's talk Inclusion: Raising Expectations, Lowering Bars at media workshop 'Role of Media in Addressing Social Exclusion Issues of Children' under International Partnership Agreement Program, at Jaipur.

Invited Practitioner, presented 'Three Key Issues - Teacher Preparation For diversity and Special Training' during Whole Group Plenary session at International Conference on Issues in the In-Service development of Elementary teachers organized by MHRD, NCERT, NUEPA & NCTE, supported by DFID, UNESCO, UNICEF & World Bank at Bhubneshwar, Odisha.

Resource person for an in-country orientation of US Fulbright Exchange Teachers from USA; Presentation titled Science Teaching in India: Attempting an Overview.

**Dr. Manju Agarwal:** National Conference on 'Reading habit amongst the masses', organized by Adult Education Association of India, Gandhi Nagar, Gujarat, December 2010.

Annual Conference on Excellence in Teacher Education, Trends, Challenges, and Prospects organized by Indian Association for Teacher Educators, Paper presentation on Challenges in the Teacher Education 'Providing Professional Growth to the Teachers', MJP Rohilkhand University, Bareilly, December 2010.

International Conference on 'Exploring Education Across the Stores'. Organized by the Indian Ocean Comparative Education Society, University of Paradenya, Sri Lanka, Paper presentation on Economics in the Indian School Curriculum, December 2010.

National Seminar on Economic Education, DESSH, NCERT, Delhi. Presented a paper on 'Economics as a Social Science'.

Workshop on the preparation of 'A Handbook of Economics for Senior Secondary Level', DEESH, NCERT, Delhi.

**Dr. D. Parimala:** Presented paper on 'Dalit women inequality: a reading on educational thoughts B.R. Ambedkar' National Seminar on 'Higher Education and Empowerment of Dalits in Post Independent India'. Organized by School of Social Sciences, JNU.

**Ms. Kanchan:** Participated in India-France Seminar on Higher Education in ICSSR, New Delhi.

Participated in National Seminar on Private Universities Act and NCHER bill organised by Vision India at IHC, New Delhi.

**Mr. Vinod Kumar Kanvaria:** Paper titled 'ICT in Education', presented at National Seminar, MIMT, Greater NOIDA, UP.

Paper titled 'Systemic Change for Sustainable Development', presented at National Seminar, PCE, Patiala, Punjab.

Paper titled 'Role of Teacher Education in Creating a Knowledge Society', presented at National Seminar, SIE, Meerut, UP.

Paper titled 'Teacher and Duties' presented at National Seminar, SDC, Meerut, UP.

Paper titled 'School Experience Programme in Teacher Training: Content-based Evaluation or Process-based Evaluation?', Presented at National Seminar Conference, MJPR University, Bareilly, UP.

Paper titled 'ICT, Sustainable Development and Contemporary Educational Reforms', Presented at National Conference, IASE University, Churu, Rajasthan.

Paper titled 'Macro Teaching: Strategies for Participatory Learning', presented at National Seminar, DPBSPGC, Anoop Shahar, UP.

Paper titled 'Distance Learning: Challenges and Innovative Techniques for the Disadvantaged Learners', presented at National Seminar, IGNOU, Koraput, Odisha.

Paper titled 'Quality in Practice Teaching: Are We Really Serious?', presented at National Seminar, SSIPICE, PETLAD, Gujarat.

Paper titled 'Role of Teacher Education in Educational Development: Keeping Pace with the Globalized Era', presented at National Seminar, MMCE, Bhatinda, Punjab.

Paper titled 'Gender Justice, Human Rights and Caste Atrocities: Politics in Higher Education', presented at National Seminar, NMLPGC, Hanuman Garh Town, Rajasthan.

Paper titled 'ICT-Pedagogy Integration through Web 2.0 Tools in Open Classroom Practices', presented at National Workshop, VICT, Meerut, UP.

Paper titled 'Googling the Group: ICT in Pre-service Teacher Education', presented at National Workshop, DoE, University of Delhi, Delhi.

Paper titled 'Technology Enhanced Capacity Building: A Futuristic and Continuous Approach to In-Service Teacher Education', presented at National Seminar, IGNOU, Delhi.

**Shri Ashish Ranjan:** Presented a paper on 'Bordering, Re-Bordering and New Possibilities in Education and Society' at the World Council of Comparative Education Societies (WCCES) - XIV World Congress at Istanbul, Turkey, June 2010.

Presented a paper on 'Comparing Education Shores: The Indian Ocean Case' in the Indian Ocean Comparative Education Society' (IOCES) Inaugural Conference at Kandy, Sri Lanka, November 2010.

Invited Discussant at the Second World Innovation Summit for Education, Doha, Qatar, December, 2010.

Participated in the Annual Conference of the Comparative Education Society of India (CESI) at the Jawaharlal Nehru University, New Delhi, November, 2010.

**Ms. Preeti Vivek Mishra:** Presented a paper entitled 'Instructional vs. Learning Objectives: Acknowledging Student Expectations and Experiences' at the International Conference on Educational Research and Innovation (ICERI) 2010 held at Madrid, Spain in November 2010.

Presented a paper entitled 'Beyond the Conspicuous: Acknowledging Diversity in Learner Expectations' at the Asian Conference on Education (ACE) 2010 held at Osaka, Japan in December 2010.

**Dr. Yukti Sharma:** Research paper titled 'Developing Social Giftedness in Disadvantaged Girls of an Indian School through Experiential Activities' accepted for publication in Gifted Education International, A B Academic Publishers.

**Mr. M. Rajendran:** Co-authored a paper on 'Challenges for ESD' at the National Seminar on Developmental Goals and Role of Education in CASE, MSU of Baroda, Vadodara.

**Dr. Haneet Gandhi:** Participated and presented a paper entitled Identifying and Developing Strategies: Beyond Achievement in British Congress of Mathematics Education (BCME07) held at University of Manchester, UK in April. The paper was also published in the e-proceedings of the congress.



Coauthored a series of books entitled 'Hands-on Mathematics' for classes VI, VII and VIII. Bharti Bhawan Publishers & Distributors.

### **Publications**

**Arvind, Gaysu, R. 2010.** 'Colonialism, Modernism and Neo-liberalism: Problematizing Education in India' in Yong Zaho et. Al. (Eds), Handbook of Asian Education: A Cultural Perspective. New York: Routledge, Francis and Taylor Group.

**2011.** 'Deliberative Democracy, People's Agency and Education: A Case of Dialogic Transformation of School System in Politics, Participation & Power Relations: Transdisciplinary Approaches to Critical Citizenship in the Classroom and Community. Amsterdam: Sense Publishers.

**Batra, P. 2010.** Re-conceptualising Pedagogy from a Gender Lens, Presented at the residential course on Gender and Education, Nirantar and RRCEE, University of Delhi.

**2010.** 'The Contested Terrain of School Social Science, Learning Curve, Azim Premji Foundation Newsletter, Bengaluru.

**Kanvaria, V.K. 2010.** 'ICT in Teacher Education: A Retrospection for Improving Presentation Practices', International Journal of Education and Allied Science.

**2010.** Power point presentations and Pre-service Teaching: A Naturalistic Enquiry for Development, Learning Community: An International Journal of Educational and Social Development.

**2011.** ICT in Schools: A Developmental Overview of Equipage and Pedagogy Integration, Mindshare: International Journal of Research and Development.

**2011.** Research Methodology for ICT: Framing of a Research, Indian Journal of Education Research Experimentation and Innovation.

Developing a Standardized Achievement Test: Vinod's Trigonometry Achievement Test', single authored, published from Lambert Academic Publishing, Germany.

**Kumar, S. 2010.** 'How to Teach Social Science Differently', published by VDM Verlag Dr. Muller Aktiengesellschaft & Co. KG Dudweiler Landstr, 99, 66123 Saarbrucken, Germany, Imprint USA.

**Lakhyani, S.** Paper published on 'Changing Scenario: Education in Arts' in the Journal of Visual Arts and Social Science (JVASS) by CCS University, Meerut.

**Mathew, R.** 'Young Learner English Language Policy and Implementation: A View from India'. In Y. Moon and B. Spolsky (Eds.) Asia TEFL Book Series, forthcoming.

**2010.** 'Equal Education Opportunities for Children: The case of English and mother tongue for the marginalized children'. FORTELL Newsletter, Issue 17, 5-8.



**2010.** 'Teaching English to Young Learners: How far have we come? How far can we go?' In S.I. Hasnain and S. Chaudhary (Eds.), *Probelmatizing Language Studies: Cultural, Theoretical and Applied Perspectives*, Delhi: Aakar Books: 466-478.

**Parimala, D. 2010.** Article published in *International Journal of South Asian Studies* 'Educational Policies in South Asia: A Study on Primary Education of Literacy for Girls'.

**Raju, P. Mohan, 2010.** Article in the *Psychological Reports* titled: Test Anxiety Scale: Reliability among Ethiopian Students. Vol. 107(3), pp. 1-10.

**Rampal, A. 2010.** 'An Indigenous Discourse to Cradle our Cognitive Heritage and Script our Aspirations: Reflections from India and South Africa'. In R. Cowen and A.M. Kazamias, (Eds.), *International Handbook of Comparative Education*, 739-753. Springer.

'Lessons on Food and Hunger: In Search of Transformative Education', A. Rampal and H. Mander. Theme paper in the Proceedings of the UNGEI International Conference 'Engendering Empowerment: Education and Equality', Dakar.

## FACULTY OF SOCIAL SCIENCE

### AFRICAN STUDIES

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

Ph.D.	-	2
M.Phil.	-	5

#### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Hashim Mbita.	Dr. Suresh Kumar	SADC
Political Economy and Social Issues in Eritrea.		DU
Geopolitics Federalism: A Vision of North and South Sudan	Dr. Suresh Kumar	DU

#### Seminars/Conferences held

National Seminar on 'Vision Africa: Togetherness for Sustainability and Development', 15-16 December 2010.

#### Seminars/Conferences attended

International Conference on 7th Conclave on 'India-Africa Project Partnership 2011' 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, Taj Palace, New Delhi, 27-29 March 2011.

International Conference on 6th Edelweiss India Investor Conference on 'Agriculture, Energy, Infrastructure and Tourism as an Emerging Sector: Mutual Interests of India and Africa', The Trident Bandra-Kurla, Mumbai, 14-15 March 2011.

International Conference on 6th Edelweiss India Investor Conference on 'Africa: Tonnes of Resources, Loads of Opportunities', The Trident Bandra-Kurla in Mumbai, 14-15 March 2011.

International Conference on India-Africa Enduring Partnership: Emerging Areas of Co-operation, Topic: 'Agro-Industry as an Emerging Sector: Mutual Interests of India and Africa', organized by Centre for African Studies, University of Mumbai, 2-4 March 2011.

38th World Marketing Congress on Business Opportunities and Marketing Strategies for Eaten Africa: A Fresh Look. 'Investment Opportunities of Indian Trade in Eastern Africa: Kenya, Rwanda, Tanzania and Uganda', Organised by IMM Delhi, Gulmohar Hall, India Habitat Centre, Delhi, 10 February 2011.

Key Note Address 'How to Do Business Between India and Africa'. International Conference on India-Africa Cooperation along the Cotton Value Chain, Leela Kempinski Hotel, Mumbai, 14-27 November 2010.

Delegate, Interactive Meeting with H.E. Dr. Bingu Wa Mutharika, President of the Republic of Malawi, Hotel Taj, New Delhi, 3 November 2010.

Delegate, Interactive Meeting with H.E. Mr. Armando Emilio Guebuza, President of Mozambique, Hotel Taj, New Delhi, 30 September 2010.

Delegate, Interactive Meeting with H.E. Mr. Mompoti Merafhe, Vice President of Botswana, Taj Mahal Hotel, New Delhi, 17 June 2010.

Delegate, Interactive Session with Sheila Bair, Chairman, Federal Deposit Insurance Corporation, United States, The Lalit, New Delhi, 11 June 2010.

Delegate, Interactive Session with H.E. Jacob Gedleyihlekisa Zuma, President of the Republic of South Africa, Taj Palace Hotel, New Delhi, 4 June 2010.

Delegate, Business Meeting with H. E. James Alix Muichel, President of Seychelles, Le Meridian, New Delhi, 2 June 2010.

National Seminar on Human Rights, Ethics and Science. 'Right to Residence and Ethical Violation of Human Rights: A Case Study of an Employee of University of Delhi', organised by Centre for Federal Studies, Jamia Hamdard University, Delhi, 10-11 February 2011.

'Political Economy of India Utilizing Cotton & Textile Opportunities in Africa'. Paper presented in National Conference on Post 1990 Globalization, organized by Indian Academy of Social Science, Guwahati University, Assam, 27-31 December 2010.

National Conference on 'India-Africa Co-operation: Issues of Good Governance, Accountability and Improved Electoral system. Vision Africa: Togetherness for Sustainability & Development', organized by Centre for African Studies, University of Delhi, 15-16 December 2010.

National Conference on 'India-South Africa Trade Relations. India and South Africa', organized by Centre of African Studies, SIS, JNU, 2-3 December 2010.

Interaction Programme with H.E. Hailemariam Desalegn, Deputy Prime Minister of Ethiopia, ICWA, Delhi, 1 December 2010.

Delegate, Call of Time: United Nature, organised by Ministry of Environment and Sciences, Vigyan Bhawan, Delhi, 29-30 January 2011.

Attended, Rwanda Investment Road Show Plenary Programme, The Hyatt, Delhi, 22 Oct. 2010.

Attended, Interactive Session between Principle Secretaries of Malawi and Private/Public Sector in India, Taj Mahal Hotel, New Delhi, 21 October 2010.

Attended, 11th Anniversary of the Enthronement of His Majesty King Mohammed VI, Taj Palace, Delhi, 30 July 2010.

## **Publications**

### *Book*

**Kumar, S. 2010.** 'Climate Change and Environment Challenges' 289-306. In Saifuddin Soz & Others (ed). SAARC: Emerging Challenges. Foundation for Peace and Sustainable Development, Delhi.

### *Articles*

**2011.** India-Africa Cooperation: The Cotton Factor. *Africa Quarterly*.

**2011.** South Sudan: Birth of a New Nation. *Diplomatist*. Vol. III, No. 2.

**2011.** Development Aspirations in Contemporary Ethiopia. *Diplomatist*. Vol. III(1).

**2010.** 'Policies & Educated the Practices of Environmental Sustainability in Africa'. *Indian Journal of African Studies*. Vol. XVI, No. 1 & 2.

**2010.** 'Second Term for Paul Kagame. Verdict is the Reward for Development'. *Diplomatist Plus*. Vol. II. Issue No. 7. [www.Diplomatist.com](http://www.Diplomatist.com)

**2010.** 'India's Investment in Nigerian Agriculture Sector'. *The Times of Africa*. Vol. 2, Issue 3.

**2010.** 'A New Neo-Scramble in Horn of Africa'. *Africa Quarterly*. Vol. 50, No. 2.

**2010.** 'Agriculture Outsourcing can Ensure Food Security in Africa & LAC', *Indo-African Business*, EXIM Bank, Mumbai. [www.indoafricanbusiness.com](http://www.indoafricanbusiness.com)

'African Agriculture: An Abiding Investment venue for India', *Food & Beverage, F&B Industry*, Vol. 2. Issue 17. 16-31 July 2010. <http://www.fnbnews.com/specials/agrifood10.asp>

'African Agriculture: An Abiding Investment Avenue for India', *Indo-African Business*, EXIM Bank. February-April 2010. Mumbai. [www.indoafricanbusiness.com](http://www.indoafricanbusiness.com)

## ADULT CONTINUING EDUCATION & EXTENSION

### Major Activities

The UGC converted the department as the Department of Lifelong Learning & Extension throughout the country. It has two UGC major projects and four short duration courses. In regular course, the Department selected 36 students. It has focused on Human Rights, Elderly Population and on Corporate Social Responsibilities. It has adopted five cluster of village as 'Model Learning Centre' for holistic development in the area of lifelong.

### Ph.D. Degrees awarded

Ph.D. - 7

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Major Research Project	Dr. Rajesh Dr. J.P. Dubey	UGC
Research Methodology Workshop.	Dr. Rajesh	ICSSR,MHRD Govt. of India

### Seminars / Conference held

National Workshop on Capacity and Life Skills Building sponsored by the University of Delhi.

### Seminars/Conference attended

**Dr. Rajesh and Dr. V.K. Dixit:** Participated in International Literacy Day workshop in New Delhi sponsored by UNESCO, Paris, 8-10 September 2010.

### Publications

**Rajesh and Dixit, V.K. 2011.** 'A Study of Technological Interventions for the Elderly Persons', Indian Youth of Youth Affairs, Jan. – June, 2011.

'Perception of Elderly Population Technology: A Study of National Capital Region', India Journal of Population Education, April – June 2010.

**Rajesh.** 'Literacy for Women's Empowerment: A Study of Delhi Community', Jan Shaksharta, SRC, Indore, December, 2011.

## EAST ASIAN STUDIES

### Major Activities

Hosted visiting faculty from Korea – Prof. Jung and Dr. Jeong-yeon Kim; and Japan – Prof. Kenji Isezaki Received book grants from Japan Foundation and Nippon Foundation

### M.Phil. Degrees awarded

M.Phil. - 4

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
'Religion and the Challenge of the Modern in Meiji Japan'.	Prof. Brij Mohan Tankha	
EU and Asian Security.	Prof. Madhu Bhalla	UGC
Social Instability in China and Implications for the PLA, Sponsoring Organization.	Dr. Abanti Bhattacharya	Defence Intelligence Agency, New Delhi.

### Programmes taken up involving inter-institutional collaboration

'China and Indian Ocean' in collaboration with IITM, Chennai.

### Appointments of Faculty members to higher Posts/Assignments

**Prof. Anita Sharma:** Academic Advisor, Indian Council for Cultural Relations, International Conference on Buddhism in East Asia and South East Asia, Seoul, South Korea, 10-11 May 2010; Chairperson, National Conference on Women, Environmental Education and Climate Change, All India Foundation for Peace and Disaster Management, New Delhi, 28-29 May 2010.

**Prof. Brij Mohan Tankha:** Japan Foundation Fellow, Hitotsubashi University, Tokyo, Japan, November 2009 to October 2010.

**Prof. Madhu Bhalla:** Member, Advisory Council, China Centre, Department of Humanities, Indian Institute of Technology, Chennai, 2010; Member Academic Advisory Council, Indian Council of Cultural Relations, Ministry of External Affairs, New Delhi, 2010; Advisor, Project on Innovation in China and Korea, National Institute of Science and Development Studies (NISTADS), New Delhi; Member, International Advisory Board of Ateneo Center for Asian Studies (ACAS), Manila, Philippines; Mentor, Project on Economic and Strategic Policy, ICRIER, New Delhi, 2010.

### **Honours/Distinctions**

**Prof. Sreemati Chakrabarti:** India-China Friendship Award by Chinese Premier Wen Jiabao during his visit to India, 15 December 2010.

### **Seminars/Conferences held**

A Workshop on 'East Asian Studies: New Frontiers in Research and Education' was organized for college teachers to update them about the various courses in East Asian Studies, 11 March 2011.

Korean Language Speech Contest organized by the Department, 23 November 2010.

### **Seminars/Conferences attended**

**Prof. Anita Sharma:** Relevance of the Teaching of Lord Buddha to the Resolution of Gender Issue. Paper presented at the National Seminar on 'Gender Issue in India: A Pragmatic Approach for Its Resolution', Saraswati Institute of Medical Sciences, Hapur, UP, 28 April 2010.

**Prof. Sreemati Chakrabarti:** 'Education in China Today'. Paper presented at Confucius Institute, Kathmandu University at the China-South Asia Cultural Forum, Nepal, 7-9 August 2010.

'Sixty Years of India-China Diplomatic Relations', Lecture delivered at Conference organized by the India-China Cultural and Economic Council in Nantong, Jiangsu, PRC, 16 September 2010.

'India's Right to Information Act: Towards a Perfect Democracy?' Paper presented at Conference on Public Management in the 21st Century: Opportunities and Challenges, organized by Sun Yat-sen University and Macau University, 21-22 October 2010.

'The China Success Story: Indian Perceptions and Interpretations', Paper presented at the Fourth China Studies Forum, Shanghai Academy of Social Sciences, 6-8 November 2010.

'China's Soft Power in South Asia: The Confucius Institutes', Observer Research Foundation, New Delhi, 4 December 2010.

'Education in present-day China', Presentation at the 3rd All-India China Studies Conference organized by the Institute of Chinese Studies in collaboration with Jadavpur University, Kolkata, 20-21 December.

'Confucius Institutes in South Asia', Seminar on India-China Interface organized by Benaras Hindu University, Varanasi, 11-12 January 2011.

'Discourse on Democracy in China Today', National Seminar on Democracy, organized by Kalindi College, University of Delhi, 3-4 February 2011.

**Prof. B.M. Tankha:** 'Japan and Asia' History Department, Tokyo University in Japanese, 21 April 2010.

'Japan and China from an Indian Perspective', International Association for Good Neighborly Relations Tokyo, 14 May 2010.

'Nationalism and Salvation: Meiji Religious Reforms', International research Center for Japanese Studies, Kyoto in Japanese, 25 June 2010.

'Civilization from the Perspective of India-Japan Relations', Research Centre for Comparative Culture, Reitaku University, (in Japanese), Tokyo, 1 July 2010.

'Exploring the Past: Japanese Modern History as World History', Keynote Speech in International Lecture Series 2010 Japan as Reflected in the World: What the World Expects of Japan Josai University, in Japanese, 17 July 2010.

'Religion, State and Peoples' Rights in the Meiji Period (in Japanese), WINC, Workshop in Critical Theories, Tokyo University of Foreign Languages 31 July 2010.

'Diversity and Discrimination in India' The Japan Global Model of Human Rights Imagery, Institute of Humanities, Kyoto University, (in Japanese) 4-5 September 2010.

'Japan's Modernity: Considering Kitabatake Doryu and Otani Kozui Hiroshima University, (in Japanese) 10 September 2010.

'Democracy in Asia: The Case of India and Japan' International Conference on Democracy organized by the Korean Democracy Foundation, Seoul, Korea, 15 September 2010.

'Exploring the Bonds of Friendship in Japan', International Conference on Conceptualising 'Friendship', its Meaning and Practice in Time and Place, International Institute for Asian Studies, Leiden University, The Netherlands, 30 September – 2 October 2010.

'Religion and Social Action in Modern Japan,' International Conference on State and Religion: Comparing Secularism in India and Japan Centre for the Study of Contemporary India, Ryukoku University, Kyoto, 11 December 2010.

Discussant at research meeting of the Prewar Japan P.E.N. Club Research Project, Kokushikan University, Tokyo, 3-10 May 2011, (in Japanese).

'On Friendship in Modern Japan,' Kokushikan University, Tokyo, 6 June 2011.

**Prof. Madhu Bhalla:** 'New Avenues for Political and Military Cooperation', The India China Dialogue, South Asia Programme and China programme, S. Rajaratnam School of International Studies, the Nanyang Technical University, Singapore, January 2011.

'China's Multilateral Policy: Regional Initiatives in a Global Framework', Conference on Wither China: Prospects and Direction, ORF Centre for International Relations, New Delhi, December 2010.

'Multilateralism and China's Harmonious World Policy', International Conference on India and China in the Asia Pacific, MISARC, Pondicherry University.

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.

**Dr. Unita Sachidanand:** Moderated Lecture on 'Making of Endo Shusaku's 'Deep River' & the concept of rebirth' by Mr. Akio Haga, Japan Foundation, New Delhi, 23 September 2010.

Convener, Symposium on Japanese Literature: Reinterpreting Matsuo Basho & Ishigaki Rin, Japan Foundation, New Delhi, 26 November 2010.

Convener, Seminar on Japanese Literature, Japan Foundation, New Delhi, 20 February 2011.

Convener of a Workshop on Indo-Japan Poetry guided by Ms. Emiko Miyashita, JNU Faculty Centre, JNU Campus, New Delhi, 2 March 2011.

Moderated Lecture cum Workshop on Japanese poetry, Japan Foundation, March 2011.

Conducted Discussion on 'Urdu Shairi ka Guldasta', (A tri-lingual collection of Urdu poems in Japanese and Hindi), Japan Foundation, New Delhi, 12 November 2010.

**Dr. Madhavi Thampi:** Paper on 'Raja Mahendra Pratap in Republican China', at International Seminar on 'India-China Interface', Banaras Hindu University, 10-11 Jan. 2011.

**Mr. G. Balatchandirane:** Presented a paper on 'Strategic Implications of Human Capital in India Today' at Changwon National University, South Korea, 20 April 2011.

Presented a paper on 'Saemuel Undong in India' at the International Conference on 'Global Saemaul Program 2011' at Gyeongju, Republic of Korea, 19 April 2011.

Made a presentation on 'Higher Education in China and India', at the Conference on 'India-China Economic Relations and Performances in the 21st Century' organised by Institute for Chinese Studies and the India China Economic and Cultural Council at the India Habitat Centre, New Delhi, 25-26 March 2011.

Made a presentation on 'Strategic Implications of Human Capital Today' at the International Workshop on National Security Strategy at the Institute for Defence Studies and Analyses, New Delhi, 22 December 2010.

Made a presentation on 'Some Features in Higher Education in China since 1949' at the Workshop on 'Higher Education in East Asia: Lessons for India?' at the Institute of Chinese Studies, New Delhi, 27 November 2010.

**Dr. Abanti Bhattacharya:** India-Nepal Relations, International Seminar, 'Contextualizing China's Nepal Policy: From Non-interference to Pro-activism', Centre for the Study of Nepal, Banaras Hindu University, Varanasi, 28-30 March 2011.

IDS Commandant BSF Course, 'China's Security Policy towards India', Institute for Defence Studies and Analyses, New Delhi, 24 December 2010.



Border security Force Lecture Series, 'Current Status of India-China Relations', Institute for Defence Studies and Analyses, New Delhi, 19 August 2010.

'China's Greater Periphery Strategy and India-China Relations', Institute for Chinese Studies, Delhi, 28 July 2010.

Discussant: For 'China Factor in the U.S. Policy toward India' by Mr. Kazutoshi TAMARI and 'Friction and Expectation between China and India' by Prof. Emi Mifune at the Conference on 'India's Foreign Policy: Evolving New Partnerships – Indian and Japanese Perspectives', School of International Studies, Jawaharlal Nehru University, New Delhi, 21 Feb. 2011.

IDSIA Fellow Seminar Presentation, Chinese Conception of National Interest by Rukmani Gupta, IDSIA, 11 February 2011.

**Dr. Ranjana Mukhopadhyay:** 'Transnational Networks of Dharma and Development: Engaged Buddhism in the era of Globalization' The 20th World Congress of the International Association for the History of Religions, (IAHR ), Toronto, Canada, Tokyo, Japan, 15-21 August 2010.

'**Dr. Janardan Sahu:** 'Beijing-New Delhi-Washington—A strategic triangle in making' presented at International Seminar, India-China Interface Department of Foreign Languages/ Chinese/Faculty of Arts, Banaras Hindu University, 10-11 January 2011.

**Mr. Nabin Kumar Panda:** 'An Account of Japanese language education in the early twentieth century India'- from the writings of Sano Junnosuke, CSDS, New Delhi, 2 September 2010.

### **Publications**

**Chakrabarti, S. 2010.** 'Academic Interaction between India and China: Stray Thoughts of a Concerned Indian' *Journal of South Asia Studies*, Yunnan Academy of Social Sciences.

**Tankha, B.M.** 'Japan, Asia and Religion: Otani Kozui' Shirasu Jojin (Ed.) Otani Kozui and His Explorers seen in International Society (tentative title) Benshin Publishing House (in Japanese).

'Asia as Seen From India' (Tentative title) in Umemori Naoki and Hirakawa Sachiko (Eds.) *Asian Regionalism in an Historical Perspective Vol 3, Shared Spaces, Differing Dreams.*

Minakata Kumagusu and Asia' Special Issue on Minakata Kumagusu and Asia of 'Studying Asia'.

**Bhalla, M. 2010.** 'Is there Asian Security without Japan?' in Balatchandirane, G. (ed.) *Japan in a Resurgent Asia.* New Delhi: Manak.

### *Books*

**Sachidanand, U. and Mizukawa, F. (eds).** *The Pen and The Sword: War Literature in Asia,* Indo-Japan Association for Literature & Culture, New Delhi (ISBN:81-906158-8-4).

**Sachidanand, U., Sharma, J.P. and Takakura, Y. (eds).** *Urdu Shairi Ka Guldasta: Japanese, Hindi, Urdu, (Urdu Shairi in Trilingual: Hindi, Japanese and Urdu),* Indo-Japan Association for Literature & Culture, New Delhi (ISBN: 978-81-906158-7-7).

**Sachidanand, U. (ed.).** Japanese Literature: The Indian Mirror, Indo-Japan Association for Literature & Culture, New Delhi, (ISBN:81-906158-9-1).

*Articles*

'Japanese Literature Studies in India: Recent Developments and Challenges', in Uno Takao (ed) Changing Perceptions of Japan in South Asia in the new Asian Era: The State of Japanese Studies in India and other SAARC Countries, *Int'l Research Centre for Japanese Studies*, 2011, pp. 77-112.

'Japanese Literature in the Context of Russo-Japanese War', in Sachidanand, U. and Mizukawa, F. (eds), *The Pen and The Sword: War Literature in Asia*, Indo-Japan Association for Literature & Culture, New Delhi, pp. 63-69.

'Bibliography: Research & Translation on Japanese Literature in India 2004-2010' in Japanese Literature: The Indian Mirror, Indo-Japan Association for Literature & Culture, New Delhi, pp. 292-319.

'Animal in the Human World', in Japanese Literature: The Indian Mirror, Indo-Japan Association for Literature & Culture, New Delhi, pp. 75-84.

**2010.** 'Japanese Literature Studies in India: A Comprehensive Survey', in Japanese Literature: The Indian Mirror, Indo-Japan Association for Literature & Culture, New Delhi, pp. 1-38.

**Thampi, M. and Saksena, S. 2010.** India and China in the Colonial World. Social Sc. Press.

**Thampi, M. 2010.** China and the Making of Bombay. K.R. Cama Oriental Institute.

**2010.** Current historical thinking in the PRC. China Report.

**2010.** 'The Taiping Rebellion', in Kaushik Roy (ed.), *The Uprising of 1857*, New Delhi: Manohar, Article on 'Indians in Xinjiang in the Nineteenth and Twentieth Centuries', in CHINA REPORT 46: 4, Oct-Dec 2010 (Sage Publication).

**Balatchandirane, G. 2010.** 'Japan in a Resurgent Asia', New Delhi: Manak Publishers Pvt. Ltd.

**Bhattacharya, A. 2010.** 'Chinese Discourse on Regionalism: What it means for India'. *Asia-Pacific Review*. 17(1): 96-122.

Commentary - **Bhattacharya, A. 2010.** 'Sixty Years of India-China Relations', *Strategic Analysis*. 34(5): 1-5.

**Mishra, S.K. 2010.** Japanese Policy toward Korean Peninsula in the Post-Cold War Era. In *Japan in Resurgent Asia*, (ed.) Balatichandirane, **G.** 49-67. New Delhi: Manak Publication.

**Narsimhan, R. 2010.** 'Tokokyohi and Hikikomori: Social malaise of contemporary Japan' in Balatchandirane, G. (ed.) *Japan in a Resurgent Asia*, Delhi: Manak Publishers.

## GEOGRAPHY

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

Ph.D.	-	4
M.Phil.	-	5

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Impact of Urban Sprawl on Groundwater in Faridabad City.	Dr. S.C. Rai	DU
Remapping Leisure: Gendered Exploration of Third place in Delhi.	Dr. Anindita Dutta	DU
Culture, Space and Identity: A Geographical Analysis of Bollywood through Media.	Dr. Aparajit De	DU
Historical and Political Factors in Under development of Regions—Comparative Study of Himachal Pradesh and Uttarakhand	Dr. Anjan Sen	DU
Remote Sensing – GIS based Landslide Inventory Mapping and Susceptibility Zonation using Analytical Hierarchy Process (AHP) in a Himalayan Terrain.	Dr. Anjan Sen	DU

### Appointment of Faculty members to higher Posts/Assignments

**Dr. R.B. Singh:** Appointed managing editor of the *Annals; National Association of Geographers India*.

**Dr. S.C. Rai:** Member, Board of Research, Department of Geography, H.P. University, Shimla.

Member, Board of Research, Department of Geography, M.D. University, Rohtak.

**Dr. Anindita Datta:** Member, Working Group for Proficiency Test in Social Sciences, ICSSR, August 2010.

Subject Expert: Geography, Bihar SCERT, Textbook Revision, May 2010.

### Seminars/Conferences held

**Dr. A.K. Saha:** Reading the City: Through the Eyes of an Erstwhile Kolkata Workshop on 'Reading the City', Department of Geography, University of Delhi, Delhi, 22 February 2011 (Oral Presentation).

## **Seminars/Conferences attended**

**Dr. R.B. Singh:** Presented paper in the International Conference at the Australian National University, Canberra (Australia), 20-24 April 2010.

Presented paper and chair a session in the International Congress hosted by the Japan Geosciences Union, at Chiba (Japan), 22-26 May 2010.

Presented papers/Lectures in the International Summer School Workshop at the University of Turku, Finland, 24-27 August 2010.

Presented paper on Global Land Project Meeting at Arizona State University, USA, 17-19 October 2010.

Presented paper at SLUAS 2011, Winter Workshop hosted by the Hokkaido University of Education at Asahikawa Campus, Japan, 28 January – 1 February 2011.

Presented paper in the Seminar on Biodiversity at the SPA, New Delhi on 28 April 2010.

**Dr. S.C. Rai:** Attended International Workshop on Climate Change: Extreme Events, Adaptation Practices and Technological Solutions, at NASC Complex, Pusa, New Delhi, 16-18 August 2010.

Attended 32nd Indian Geographical Congress at Chandigarh, 19-21 November 2010.

Attended National Workshop on Research Survey and Exploration in Geography, at ICSSR Southern Regional Centre, Osmania University, Hyderabad, 31 January to 2 February 2011.

**Dr. Anindita Datta:** Organized one day Workshop 'Reading the City' funded by University of Delhi as part of larger project 'Remapping Leisure: Gendered Exploration of Third place in Delhi'.

Keynote address 'Contextualizing Asian Feminisms: A View from India', at the 4<sup>th</sup> Gendering Asia Conference organized by Nordic Institute of Asian Studies and University of Copenhagen, Copenhagen, Denmark, 13 November 2010.

Plenary paper 'Reinterpreting Power and Agency within Indigenous Feminisms: An Exploration', at the International Seminar, Masculine Feminine: New issues in Geography by the University of Bordeaux, France, 18 September 2010.

Invited lecture: The Royal Courtesan, The Kingmarker's Concubine: Reimagining Delhi, Academic Lecture Series, Shaheed Bhagat Singh College, 26 November 2010.

Extension lecture: 'Reimagining Delhi—Some Theoretical and Methodological Issues' Extension lecture on the course 'Reading the city' at Department of Urban Design, School of Planning and Architecture, Delhi, 3 November 2010.

Workshop Presentation: The Royal Courtesan at workshop on 'In between spaces' organized by the research cluster on New Urban Imaginaries, University of Heidelberg, Max Muller Bhavan, Delhi, 20 October 2010.

**Dr. Aparajita De:** Presented a paper 'Reading Mumbai: City of Films and the Filmy City Juxtaposed', Workshop 'Reading the City' on 22 February 2011.

**Dr. Anjan Sen:** 59th National Town and Country Planners' Congress, on 'Land as Resource for Urban Development', organized by ITPI at Panchkula, Haryana, 10-12 February 2011.

### **Publications**

**Singh, R.B., Panwar, M. and Singh, R.B. 2010.** Medicinal and Plants and Sustainable Livelihood, New Delhi: R.K. Books, p. 342.

**Himiyama, Y., Singh, R.B., Kanda, F. and Hindson, J. 2010.** Glocal Environmental Education, Jaipur: Rawat Publications, p. 246.

#### *Research Articles in Books or Scholarly Journals*

**2010.** Designing and Shaping Global to Local Environmental Education: The Indian Experience, Pub. In Global Environmental Education, (Eds) Himiyama, Y. et al., Jaipur: Rawat Publications, pp. 62-80.

**Singh, R.B. and Mal, S. 2010.** Landuse Environment and Development in the Uttarakhand Himalaya, India, in Volume Towards Sustainable Land Use in Asia, (ed.) Himiyama, Y., SLUAS Science Report 2010, Hokkaido University of Education, Ahahikawa, pp. 47-64.

**Behailu, Tadesse and Rai, S.C. 2010.** An assessment of biodiversity status in Semen Mountains National Park, Ethiopia. In: Biodiversity Hotspots, (eds. Rescigno, V. and Maletta, S.). New York, USA: Nova Science Publishers, Inc., pp. 169-180,

**Torahi, Ali, Asgar and Rai, S.C. 2011.** Land cover classification and forest change analysis, using satellite imagery – a case study in Dehdez area of Zagros Mountain in Iran. Journal of Geographic Information System, 3:1-11, USA.

**Sharma, S. and Sen, A. 2011.** Dynamics of Non-Agricultural Landuses in Central National Capital Region, 1981-2001. ITPI 59th National Town and Country Planners' Congress, Technical Papers (un-listed), pp. 153-162.

**Rashid, Md. and Sen, A. 2010.** Participatory Panchayati Raj Institutions and Awareness of Rural Development Programs in Bihar, ITPI Journal, Vol. 7, No. 2, pp. 70-84.

**Arora, M.K., Saha, A.K., Gupta, P. and Gupta, R.P. 2011.** LaSIRF: Landslide Safe Intelligent Route Finder for Mountainous terrain in GIS environment. In Terrestrial Mass Movements (eds. Pradhan, B., Buchroithner, M. and S. Lee), Under Peer-Review, Springer.

## HISTORY

### 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>
Further Mapping Archaeohydrological Landscape of Northern Haryana and Punjab.	Prof. R.C. Thakran	UGC
Excavations conducted at the Harappan Site of Lohat, District Jhajjar, Haryana.	Prof. R.C. Thakran	DU

### New Additions

Prof. Vinay Lal

### Appointments of Faculty members to higher Posts/Assignments

**Prof. Sunil Kumar:** Visiting Professor (October 2008-June 2010), Department of History, School of Oriental and African Studies, London University, U.K.

Visiting Professor, Centre for Historical Studies, Jawaharlal Nehru University, Delhi, 26 March – 9 April 2010.

### Honours/Distinctions

**Prof. Sunil Kumar:** Editorial Advisor to the peer reviewed journal, *South Asia Research*, School of Oriental and African Studies.

### Seminars/Conferences attended

**Prof. Sunil Kumar:** 'A preliminary prosopographical review of early tazkirat literature in the 14th-16th centuries'.

'Trans-regional Contacts and Relationships: Turks, Mongols and the Delhi Sultanate in the 13th and 14th Centuries'.

A 2009-10 Levi Della Vida Medal for Excellence in Islamic Studies Conference in honour of Professor Edmund Bosworth, University of California at Los Angeles, 18-19 May.

**Prof. B.P. Sahu:** 'State, Legitimation and the construction of Early India', presented at the University of Melbourne, Theatrette, Melbourne, 27 May 2010.

'Equitable Access and Success in Higher Education: The Case of the University of Delhi', presented at the Workshop on Equitable Access and Success in Higher Education, organised by IAU, University of Arizona and the World Bank, at the University of Arizona, Tucson, 17-19 November, 2010.

**Dr. Charu Gupta:** Chair and Discussant for a Talk by Dr. Mytheli Sreenivas on 'Population Reconsidered: Governing Life and Death in Modern India'. AIIS – IIC Lecture Series 16, India International Centre, Delhi, 21 February, 2011.

Resource Person at a Session on Patriarchy, Sexuality and Masculinities in a Fellowship Programme on 'Understanding Masculinities: Culture, Politics and Social Change'. Organized by SANAM/Save the Children, Lalitpur, Nepal, 7-10 February 2011.

Director and Convenor of the 2010 Extended Workshop on Social History: 'Historicizing Gender and Sexuality in the Global South'. Organized by CODESRIA/SEPHIS, Dakar (Senegal), 2-12 November, 2011.

**Prof. R.C. Thakran:** 'Cultural Interactions Between India and Iran with Special Reference to 'S' shaped Ceramic Types', International Seminar on India and Iran: Our Cultural Legacy of the Past, Poona College, Pune, 3-5 March 2011.

'Rivers, Settlements and Civilizations: A Contrasting Perception', International Seminar on 'River, Society and Sustainable Development', Dibrugarh University, Dibrugarh, 26–29 May 2011.

**Prof. B.P. Sahu:** 'The State and Recent Debates in Early Indian', presented at the International Seminar on The State in South Asia, Department of History, University of Hyderabad, Hyderabad, 18-21 October 2010.

**Prof. Shahid Amin:** Introductory Statement 'Popular Traditions and Modes of Religion in India', International Conference on 'Modes of Secularism', Institute for Human Sciences', Vienna.

The Quinquennial Conference of the 'International committee of Historical Sciences, Amsterdam', August 2010: Discussant on the session National Histories, and Bureau Member of the International Committee.

**'The Marginal Jotter:** Scribe Chaube and the Making of the Great Linguistic Survey of India', India International Centre, Occasional Publication No. 27.

**Dr. Shalini Shah:** 'The Socio-sexual World of Vesavasa and Antahpura: A Study in contrast', International Seminar', Centre for Historical Studies, Jawaharlal Nehru University (Looking Within, Looking Without: Engendering the Pre – Colonial Household), 24–26 February 2011.

'Structuring of the Female Body: A Study of Ancient Indian Literature', Department of Psychology, University of Delhi, 10 March 2011.

'The Female Voice in Ancient Sanskrit Literary Sources', Bharti College, University of Delhi, 22 March 2011.

Book review discussion for Kumkum Roy 'the Power of Gender and the Gender of Power', organised by Oxford University Press, at Miranda House, University of Delhi, 20 August 2010.

**Prof. Sunil Kumar:** 'Mooring the household: problems in writing a history of early Sultanate elites' at the Conference: 'Looking Within / Looking Without: Pre-colonial Households' at the Centre for Historical Studies, Jawaharlal Nehru University, 24-26 February 2011.

'The Woman and the hisab of Men : Sultana Raziyya and Early Sultanate Society'

'Courts, Capitals and Kingship: Delhi and its Sultans in the 13th and 14th centuries'

'History and the Politics of Medieval India' as Visiting Professor, at the Centre for Historical Studies, Jawaharlal Nehru University, Delhi, 26 March – 9 April 2011.

**Dr. Charu Gupta:** 'Hindu Women, Muslim Men: Romance, Sexuality and Everyday Violence', Lecture in 'Postfeminist Postmortems? Gender, Sexualities and Multiple Modernities', Annual Conference of the Department of English, University of Delhi, 14-16 February 2011.

'Archives of Sexuality: Vignettes from Colonial North India', Seminar at National Archives of India, Delhi, 7 January 2011.

'Women, Sexuality and Popular Culture', Lecture in Women's Studies Research Course, Centre for Women's Development Studies, Delhi, 6 December 2010.

'Representing Dalit Bodies in Colonial North India', Talk at Indian Council of Historical Research, Delhi, 25 November 2010.

'Researching Sexuality: Expanding Disciplinary Boundaries', Plenary Lecture in Research without Boundaries; National Seminar on Interdisciplinary Research and Studies in Humanities, Faculty of Arts, Banaras Hindu University, 9-10 September 2010.

'Dalit Masculinities in Colonial North India', Sociological Research colloquium, Department of Sociology, University of Delhi, 3 September 2010.

'Archives, Gender and Dalit Memories', Course on History, Memory and Identity, Centre for the study of Developing Societies, Delhi, 18 August 2010.

'Sexuality, Identity, Censorship', Women's Development Cell Orientation, Lady Shri Ram College for Women, University of Delhi, 12 August 2010.

**Prof. B.P. Sahu:** 'Inscriptions and Their Changing Context', Presented at the National Workshop on revisiting sources of History with Special Reference to Jammu and Kashmir, organised by the Department of History, Jammu University, Jammu, 6-7 January 2011.



'The Past in the Present: The Case of Oriya Society', Presented at the National Seminar on Caste, Democratic Politics and Nation Building: Historical and Contemporary India, Organised by the School of Interdisciplinary and Transdisciplinary Studies, Convention Centre, IGNOU, New Delhi, 10-11 March 2011.

'Dissent and Protest in Early Indian Societies: Some Historiographic Remarks', Keynote Address at the National Seminar on Social Protest Movements in Orissa Since Early Times, Organised by the Department of History, Berhampur University, Berhampur, 12-14 March 2011.

'Regions and Early Indian Economic Historiography: The Trajectory of Socio-Economic Transformations in Kalinga and Dakshina Kosala', Presented at the Panel on Economic Change in India: Past and Present, organized by Aligarh Historian's Society, at Indian History Congress, University of Delhi, Delhi, 15-17 May 2010.

**Prof. Shahid Amin:** 'Keynote address' to the IInd Papiya Ghosh Memorial Workshop on 'Communities at the Margins: Practices and Livelihoods', Centre for the Studies in Social Sciences, Kolkata.

**Dr. Shalini Shah:** 'The Concept of the Erotic in Early – Medieval Classical Sanskrit Literature', National Seminar, Banaras Hindu University (Ancient India: New Perspectives), 23 November 2010.

### **Publications**

**Kumar, S.** The Emergence of the Delhi Sultanate, 1192-1286, (Paperback Edition), Permanent Black, Delhi.

The Present in Delhi's Pasts, Three Essays Collective, (2<sup>nd</sup> Edition), Delhi.

**Gupta, C.** 'Ethics or Aesthetics? Obscenity as a Category for Evaluating the Hindi Public Sphere in Colonial North India', in *Literature and Nationalist Ideology: Writing Histories of Modern Indian Languages*, ed. Hans Harder, 149-75. New Delhi: Social Science Press.

'Commercializing Tradition: Women, Ayurveda and Healing in Colonial North India', in *Asia Annual 2008: Understanding Popular Culture*, ed. Kausik Bandyopadhyay, 57-78. Delhi: Manohar.

'Instructions for Women [Stri Shiksha] [Translation from Hindi and Introduction]', in *Nationalism in the Vernacular: Hindi, Urdu, and the Literature of Indian Freedom*, ed. Shobna Nijhawan, 397-406. Delhi: Permanent Black.

**Thakran, R.C.** 'Further Excavations at Badali, District Jhajjar, Haryana', *Puratattva*, 40, pp. 208 – 213, New Delhi.

'Excavations at the Harappan Site of Lohat, District Jhajjar, Harayana' *Puratattva*, 41.

'Patterns of Human Expansion in Punjab' in K.M. Shrimali ed. *Archaeology and Culture*, New Delhi.

'The Harappa Civilization' Chapter in Satish Chandra and M.K. Dhavalikar eds. The Comprehensive History of India, Vol. 1.

'Excavations at Harappan Site of Badali, District Jhajjar, Haryana', in *Puratattva*, 39, pp. 165 – 71, New Delhi.

'Revisiting the Archaeological Landscape of Uttar Pradesh' Presidential Address to the Ancient Indian History Section of The Uttar Pradesh History Congress, 19th Session held at Allahabad University, Allahabad, in *Conversation in History*, pp. 31-42, New Delhi.

'Manheru Excavations and other Explorations in its Environs' in : *Aitihya – Journal of Ancient History Culture and Archaeology*, Vol.1, NJP. Rohilakhand University, Bareilly, pp. 129-159.

'Progress Report of Excavations 2010 at Maham, District Rohtak, Haryana', in *Indian Archaeology – A Review*, Archaeological Survey of India, New Delhi.

'Progress Report of Further Excavations at the Harappan site of Badali, District Jhajjar, Haryana' in *Indian Archaeology – A review*, Archaeological Survey of India, New Delhi.

'Further Excavations at Badali, District Jhajjar, Haryana' in *Puratattva*, 40, Archaeological Society of India, New Delhi.

'Excavations at the Harappan Site of Mahiam, District Rohtak, Haryana' in *Bulletin of the Deccan College Research Institute*, Poona.

'Reading Mind of the Harappan people Through the Location of their Settlement' Paper presented at the Seminar 'The Mind and Soul of India' Organised by the Department of Ancient Indian History and Culture, M.J.P. University, Bareilly, 17-18 March, 2011,

#### *Book Review*

**Gupta, C.** Review of *Rebels, Wives, Saints: Designing Selves and Nations in Colonial Times* by Tanika Sarkar, 'Pluralities of Voices', *Economic and Political Weekly*, XLV, 51: 36-8.

**Shah, S. 2011.** 'The Srngari versus the Prema Tradition in the Early – Medieval Classical Sanskrit Literature' *Sumangali*, Centre for Women's Studies, Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth, Vol. 1, No. 2.

**2010.** 'Women and the Notion of Kama in the Dharmasastriya Discourse', in Chandrakala Padia (ed.) *Women in Dharmasastras: A Phenomenological and Critical Analysis*, Rawat Publications, 2010.

#### *Research Articles*

**Kumar, S.** 'Courts, Capitals and Kingship: Delhi and its Sultans in the 13th and 14th centuries' in *Court Cultures in the Muslim World* (ed) Jan-Peter Hartung and Albrecht Fuess, pp. 123-148. London: SOAS/ Routledge Studies on the Middle East.

'The Pir's Barakat and the Servitor's Ardour: the contrasting history of two Sufi shrines in Delhi' in *Celebrating Delhi* (ed) Mala Dayal, pp. 47-75.

'Reflections on the Past and Present of two Sufi Shrines in Delhi' in *The Present in Delhi's Pasts*, pp. 1103-138, Delhi: Three Essays Collective, 2<sup>nd</sup> edition.

**Dhar, P.P.** 'Introduction and Understanding Jaina Art of Karnataka: Shifting Perspectives', in Parul Pandya Dhar, ed., *Indian Art History: Changing Perspectives*, New Delhi: D K Printworld (2011) [manuscript submitted for publication in March 2011].

**Gupta, C.** 'Feminine, Criminal or Manly? Imaging Dalit Masculinities in Colonial North India', *Indian Economic and Social History Review*. XLVII, 3, July – September: 309-42.

'Dalit Virangnayan aur 1857 ka Punaranveshan [Dalit Viranganas and Rediscovering 1857]' [in Hindi] *Strikaal* 7: 13-23.

'Auniveshik Uttar Bharat mein Vidhya Vivah par Badalte Vimarsh [Shifting Debates on Widow Remarriage in Colonial North India]' [in Hindi]. *Aalochana* 38, July-Sept., 89-101.

'Chahe Lakshya, Anchahe Parinam: Aupniveshik Uttar Bharat Mein Stri Shiksha aur Padhne ka Bhay [Intended Aims, Unintended consequences: Women's Education and Fear of Reading in Colonial North India]' [in Hindi]. *Tadbhav* 21:43-52.

**Sahu, B.P.** 'Profiling Daksina Kosala: An Early Historical Sub – region?', in H. Kulke and Georg Berkemer (eds), *Centres Out There? Facets of Sub – regional Identities in Orissa*, Manohar, Delhi, 2011, pp. 39-59.

'Rituals, Royalty and Rajya in Early Medieval Eastern India' in M. Kitts, H. Kulke and U. Skoda (eds), *State, Power and Violence (Section IV : State and Ritual in India)*, Harrassowitz Verlag, Wiesbaden, 2010, pp. 665–81.

## ECONOMICS

### Major Activities

The Department of Economics, Delhi School of Economics, is considered to be one of the country's premier academic institutions in terms of teaching and research. During the period 1 April 2010 to 31 March 2011, members of the Department continued to contribute to the field of Economics in a significant way. Several faculty members published their research works in leading national and international professional journals, and participated in policy debates through writings in popular journals and production of two well-regarded economic forecasts. For the third year in succession, the department was ranked the highest in India (out of over 100 institutions) by Repec, a global electronic archive of working papers and publications in Economics (<http://ideas.repec.org/top/top.india.html>). During the year, the department organized its annual Winter School in Economics, an International Conference, and its regular Seminar series, at which distinguished speakers from India and abroad presented their research.

The department's computer labs facilitate the teaching and research programmes and are equipped with some of the best software for doing econometrics as well as numerical and symbolic programming including Stata, Eviews, Gauss, Mathematica. Students also have high speed access to the internet.

The Department organized an Interdisciplinary Conference on '*Social Conflict*' jointly with the Centre for Equality, Social Organization and Performance (ESOP) at the University of Oslo. It attracted scholars from economics, sociology and political science, and from several prominent universities and research institutions including New York University, Yale, University of Oslo, JNU, University of Delhi and the Institute of Economic Growth. Speakers discussed both theoretical issues and case studies on conflict from a multi-disciplinary perspective. The Conference was jointly funded by University of Delhi and ESOP, 9-10 April 2010,

Prof. Sukhamoy Chakravarty Memorial Lecture organized by the department, was delivered by Professor Kaushik Basu, Chief Economic Advisor to the Ministry of Finance, Government of India and C. Marks Professor at the Cornell University, on 10 December 2010. He spoke on 'India's Food Grain Policy: An Economic Theory Perspective'.

The Centre for Development Economics and the Department of Economics at the Delhi School of Economics organized an International Workshop, Winter School 2010, during 13-15 December 2010. The workshop consisted of two components. The first was series of invited lectures by eminent scholars and each scholar had delivered three lectures. The second was a series of short Conference-style research talks given by young scholars from India and abroad.

**Prof. Prasanta K. Pattanaik:** University of California at Riverside delivered a series of lectures on 'The Ethical Basis of Normative Economics and the Concept of Well-being' and 'Functioning and Capability'. Professor Dilip Abreu of Princeton University delivered a series of lectures on 'Bargaining and Reputation'. Professor Roy Batchelor of Cass Business School, City University London delivered a series of lectures on 'Forecasting versus Econometrics'. In addition to these, short talks were given by scholars from Waseda University (Tokyo, Japan), University of Cape Town (South Africa), University of Wisconsin-Milwaukee (USA), Columbia Law School (New York, USA), University of Paris, Burdwan University (West Bengal), IFMR (Chennai), Visva-Bharati (Santiniketan, West Bengal), TERI University (Delhi), ISI (Kolkata), Delhi School of Economics, Indian School of Business (Hyderabad), Indian Institute of Technology (Kanpur & Delhi), Madras School of Economics (Chennai).

The Winter School was extremely well-attended. Apart from the students and faculty from the Delhi School of Economics, students and faculty from various other institutions in Delhi also attended the sessions and participated in the discussions.

The Centre for Development Economics and the Department of Economics would like to express their gratitude to University of Delhi, NABARD and National Housing Bank, for their generous financial support for this event.

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

Ph.D.	-	3
M.Phil.	-	7

## Research Schemes

<i>Title</i>	<i>Principal Investigators</i>	<i>Sponsoring Organization</i>
'Impact of metering of agricultural tubewells on ground water use and informal ground water irrigation services markets in West Bengal' India.	Dr. A. Banerji, Dr. J.V. Meenakshi Dr. A. Mukherji.	3ie
Liberalisation and Inter-group Disparities.	Dr. Ashwini Deshpande	University of British Columbia, Vancouver, Canada.
Poverty, Inequality and Conflict.	Dr. Ashwini Deshpande	Centre for Development Economics, Delhi School of Economics.
International econometric India link model: Forecasts are developed as part of World Project link.	Dr. Pami Dua Dr. N.R. Bhanumurthy	
Impact of metering of agricultural tubewells on ground water use and informal ground water irrigation services markets in West Bengal, India.	Dr. A. Banerji Dr. J.V. Meenakshi Dr. A. Mukherji	3ie
'Failures and successes of civic action: An experimental investigation of rule-making'.	Dr. Rohini Somanathan Dr. Karla Hoff.	World Bank
Improving urban air quality in India: Lessons from the Kolkata clean air regulations of 2009.'	Dr. Rohini Somanathan Dr. Parikshit Ghosh	International Growth Centre.
'The Measurement of Indian Poverty'.	Dr. Rohini Somanathan Dr. Ingvild Almas.	Centre for the Study of Equality, Social Organization and Performance, University of Oslo.

### **Appointments of Faculty member to higher Post/Assignment**

**Dr. Ram Singh:** Visiting Associate Professor at the Institute of Law and Economics, University of Hamburg, Hamburg, Germany, January – April 2011.

### **Honours/Distinctions**

**Dr. Ram Singh:** Erasmus Mundus Scholarship 2010 in Economics.

**Dr. Rohini Somanathan:** Leon Levy Foundation Member, Institute for Advanced Study, Princeton, 2010-2011.

Podlich Distinguished Visitor, Claremont McKenna College, November 2010.

### **Seminars/Conferences attended**

**Dr. Sonalde Desai:** Speaker 'Educational Inequalities: Reservations and Beyond Educational Inequalities: Reservations and Beyond', NCAER, Delhi & University of Maryland, USA.

**Dr. Saptarshi Mukherjee:** Speaker 'Choice in Tree-based Decision Problems', Jawaharlal Nehru University, New Delhi, 8 April 2010.

**Dr. Sanjay Banerji:** Speaker 'Collusion and Incentives: The Role of Expertise in Corporate Reorganization', University of Essex, UK, 15 April 2010.

**Dr. Radek Stefanski:** Speaker 'Structural Transformation and the Oil Price', University of Oxford, 22 April 2010.

**Dr. Alok Bhargava:** Speaker 'Executive Compensation, Share Repurchases and Investment Expenditures: Econometric Evidence from U.S. Firms', 20 July 2010.

**Dr. Sushanta Mallick:** Speaker 'Pricing-to-Market with Trade Liberalization: The Role of Market Heterogeneity and Product Differentiation in India's Exports', Queen Mary, University of London, 22 July 2010.

**Dr. Tanika Chakraborty:** Speaker 'Mother's Decision-making and Child Welfare in Mexico – A New Measure and Some New Evidence', DIW, Berlin, 23 July 2010.

**Dr. Pushkar Maitra:** Speaker 'Social Exclusion in a Laboratory Microfinance Experiment', Monash University, Victoria, Australia, 29 July 2010.

**Dr. Emmanuel Dechenaux:** Speaker 'Preemptive Corruption, Hold-Up and Repeated Interactions', Kent State University, 6 August 2010.

**Dr. Saurabh Singhal:** Speaker 'The Economic Costs of Naxalite Violence and the Economic Benefits of a Unique Robust Security Response', University of Southern California, 12 August 2010.

**Dr. Rajiv Sethi:** Speaker 'Economic Consequences of Speculative Side Bets: The Case of Naked Credit Default Swaps', Columbia University, 13 August 2010.

**Dr. Nabamita Dutta:** Speaker 'Do Potential Skilled Emigrants Care about Political Stability at Home?' University of Wisconsin-La Crosse, 19 August 2010.

**Dr. Shasikanta Nandeibam:** Speaker 'Menu Contracts in Teams', University of Bath, U.K., 29 September 2010.

**Dr. Clive Bell:** Speaker 'Estimating the Social Profitability of PMGSY: A Bumpy Ride', University of Heidelberg, Germany, 23 September 2010.

**Dr. Arunava Sen:** Speaker 'Nash Implementation with Partially Honest Individuals', Indian Statistical Institute, Delhi, 30 September 2010.

**Dr. Ram Singh:** Speaker 'Determinants of Delays and Cost Overruns in Public Procurement of Infrastructure: Roads and Railways', Department of Economics, Delhi School of Economics, University of Delhi, 21 October 2010.

**Dr. Mausumi Das:** Speaker 'What Do Teachers Do? The Quality-Quantity Tradeoff in a Public Education System with Heterogenous Agents and its Implication for Growth', Department of Economics, University of Delhi, 28 October 2010.

**Dr. Prachi Mishra:** Speaker 'How Does Trade Evolve in the Aftermath of Financial Crises?', Research Department, International Monetary Fund, 3 November 2010.

**Dr. Abhinash Borah:** Speaker 'Other-Regarding Preferences and Concerns for Procedure?', University of Pennsylvania & Visitor, Centre for Development Economics, Delhi School of Economics, 4 November 2010.

**Dr. Farzana Afridi:** Speaker 'Social Identity and Inequality: The Impact of China's Hukou System', Department of Economics, University of Delhi, 11 November 2010.

**Dr. Amartya Lahiri:** Speaker 'Castes and Labor Mobility', University of British Columbia, 8 December 2010.

**Dr. Yves Sprumont:** Speaker 'An Axiomatization of the Serial Cost-Sharing Method', University de Montreal & Visiting Faculty, Indian Statistical Institute, Delhi, 9 December 2010.

**Dr. Mukta Mukherjee:** Speaker 'The Effect of Fringe Benefit Tax on Wages: Evidence from India', 20 January 2011.

**Dr. Ralph A. Winter:** Speaker 'Exclusionary Contracts', Sauder School of Business, University of British Columbia, 21 January 2011.

**Dr. Siddhartha Chattopadhyay:** Speaker 'The Sticky Information New-Keynesian DSGE Model: An Analysis under Taylor Rule', University at Albany – SUNY, 27 January 2011.

**Dr. Nancy Gallini:** Speaker 'Private Agreements for Coordinating Patent Rights: The Case of Patent Pools', University of British Columbia, 28 January 2011.



**Dr. Ralph A. Winter:** Speaker 'Innovation and the Dynamics of Global Warming', Sauder School of Business, University of British Columbia, 3 February 2011.

**Dr. Stephan Marette:** Speaker 'The Combination of Lab and Field Experiments for Benefit-Cost Analysis', Chair, UMR Economie Publique INRA-AgroParisTech, Grignon, France, 17 February 2011.

**Dr. Anmol Ratan:** Speaker 'Trading Intentions and Behavioral Bidders in First-Price Auctions', Monash University, 18 February 2011.

**Dr. Tridib Sharma: Speaker** 'Axiom of Monotonicity: An Experimental Test', Centro de Investigación Económica, ITAM, Mexico & Visiting Faculty, ISI, Delhi, 24 February 2011.

**Dr. Prodyot Samanta:** Speaker 'Enterprise Risk Management: A Strategic Tool for Hedging Performance Disruptions', Founder & President, Third Eye Risk Insights, USA, 17 March 2011.

**Dr. Sudha Narayanan:** Speaker 'Relationship Farming: The Problem of Enforcement in Contract Farming Systems in India', Cornell University & Visiting Post-doctoral Fellow, Centre for Development Economics, Delhi School of Economics, 24 March 2011.

**Dr. Vito Tanzi:** Speaker 'The Economic Role of the State: A Historical Perspective', Honorary President, International Institute of Public Finance, USA & Former Director, Fiscal Affairs Department, International Monetary Fund, 29 March 2011.

## **Publications**

### *Books/Monographs*

**Deshpande, A. (ed.) 2010.** *Globalisation and Development: A Handbook of New Perspectives*, New Delhi: Oxford University Press, Paperback (Hardcover 2008).

**2010.** Capital without Borders: Challenges to Development, London: Anthem Press.

**Dua, P. and Ranjan, R.** Exchange Rate Policy and Modelling in India. Oxford University Press.

**Dua, P.** with India LINK Research Team. May 2010. 'India Link: Economic Outlook 2010-11 to 2011-12'. Centre for Development Economics, Delhi School of Economics. (Forecasts are developed as part of World Project LINK.).

**Dua, P.** with India LINK Research Team. October 2010. 'India Link Economic Outlook 2010-11 to 2011-12'. Centre for Development Economics, Delhi School of Economics. (Forecasts are developed as part of World Project LINK.).

**Goldar, B., Agrawal, P. and Nayak, P.B. (eds). 2010.** India's Economy and Growth: Essays in Honour of V.K.R.V. Rao. New Delhi: Sage Publishers.

### *Research Papers*

**Afridi, F. 2010.** 'Women's Empowerment and the Goal of Parity between the Sexes in Schooling in India', *Population Studies*, Vol. 64, No. 2, pp.131-145.



- 2010.** 'Child Welfare Programs and Child Nutrition: Evidence from a Mandated School Meal Program', *Journal of Development Economics*, Vol. 92, No. 2, pp.152-165.
- 2011.** 'The Impact of School Meals on School Participation in Rural India', *Journal of Development Studies*.
- Banerji, A., Khanna, G. and Meenakshi, J.V. 2010.** 'Groundwater Markets, Irrigation Efficiency and Sustainability', in Sucha Singh Gill, Lakhwinder Singh and Reena Marwah (eds.), *Economic and Environmental Sustainability of Asian Economic Development*, Routledge India.
- Deshpande, A. 2010.** 'Merit, Mobility and Modernism: Caste Discrimination in Contemporary Indian Labour Markets'. *Indian Journal of Labour Economics*, Vol. 53, No. 3.
- Deshpande, A., Darity, W. and Weisskopf, T. 2011.** 'Who is eligible: Should affirmative action be group-or class-based?' *American Journal of Economics and Sociology*, Vol. 70, No.1, pp. 238-268.
- Deshpande, A., Rao, N., Verschoor, A. and Dubey, A. 2010.** 'Gender Caste and Growth Assessment – India' report to Department for International Development. DEV Reports and Policy Paper Series, the School of International Development, University of East Anglia, UK.
- Dua, P. and Raje, N. 2011.** Determinants of Weekly Yields on Government Securities in India, in Kamaiah, B. and Seshaiyah, S.V. (eds), *Select Issues in Macroeconomics: A Quantitative Approach*, ICFAI Press.
- Dua, P. and Banerji, A.** 'Business Cycles in India', in *Oxford Companion to Economics in India*, 2nd (ed. Basu, K.). Oxford University Press.
- Dua, P. and Banerji, A. 2010-11.** Monthly Articles on 'Forecasting and Tracking the Indian Economy Using DSE-ECRI Leading and Coincident Indexes'.
- Meenakshi, J.V., Chowdhury, S., Tomlins, K. and Owori, C. 2011.** 'Are Consumers in Developing Countries Willing to Pay More for Micronutrient-Dense Biofortified Foods? Evidence from a Field Experiment in Uganda'. *American Journal of Agricultural Economics*. 93(1): 83-97. doi: 10.1093/ajae/aaq121.
- Meenakshi, J.V., Bouis, H., Hotz,, C., McClafferty, B., Pfeiffer, W.H. 2011.** 'Biofortification: A new tool to reduce micronutrient malnutrition'. *Food and Nutrition Bulletin*. 32 (Supplement 1): 31S-40S(10).
- Gustavo, B. and Kar, A. 2010.** 'On Obligation Rules for Minimum Cost Spanning Tree Problems', *Games and Economic Behavior*, Vol. 69, No. 2, pp. 224-237.
- Kar, A. 2010.** 'Allocation via Reduction on Minimum Cost Spanning Tree Games' in *Econophysics and Economics of Games, Social Choices and Quantitative Techniques* (eds Basu, B., Chakrabarti, B.K., Chakravarty, S.R. and Kausik Gangopadhyay). *New Economic Window Series*, Springer Verlag Italia, Milan.

**Sen, P. and Ghosh, A.** 'Privatization in a Small Open Economy with Imperfect Competition' *Journal of Public Economic Theory*.

**Sen, P.** 'Monetary Policy, Capital Flows and the Exchange Rate' in *The Handbook of the Indian Economy* (Ed. C. Ghate ). New York: Oxford University Press.

'Singapore's Exchange Rate Policy: An Evaluation'. in *The Singapore Economy* (Ed. Wilson, P.). World Scientific.

**Shah, S.A. 2010.** 'A Non-cooperative Quantity—Rationing Theory of Transboundary Pollution'. *Journal of Public Economic Theory*, Vol. 12, No. 3, pp. 437-470.

**Singh, R. and Feldman, A. 2011.** *A Simple Guide to Comparative Vigilance*, (with Allan Feldman, Brown University). *Asian Law and Economics Review*.

**Singh, R. 2011.** *Determinants of Cost Overruns in Public Procurement of Infrastructure: Roads and Railways in the India Policy Forum*.

**Singh, R. and Parisi, F. 2010.** 'The Efficiency of Comparative Causation'. *Review of Law and Economics*, Vol.6: Issue 2, pp. 219-245.

**Sinha, U.B. and Poddar, S. 2010.** 'Patent Licensing from a High-Cost Firm to a Low-Cost Firm'. *Economic Record*, Vol.86, Issue 274.

**Sinha, U.B. and Poddar, S. 2010.** 'Patent Licensing from a High-Cost Firm to a Low-Cost Firm', *Economic Record*.

**Somanathan, R. 2010.** 'The Demand for Disadvantage. In *Culture, Institutions, and Development: New Insights into an Old Debate*' (ed. Jean-Philippe Platteau and Robert Peccoud). Routledge.

**Somanathan, R. and Dewan, I.** 'The application of nonparametric tests to poverty targeting'. *Economics Letters*.

#### *Seminar and Conference Presentations*

**Bag, S. 2010.** 'Whither Contract Damages: Contracts with Reliance and One-sided Private Information', at Conference on Economic Theory, Markets and Institutions of Governance at Jawaharlal Nehru University, New Delhi.

**Banerji, A. 2010.** 'Social Contracts, Markets and Efficiency: Groundwater Irrigation in North India' at Indian Statistical Institute Conference on Growth and Dev. Economics.

**2010.** 'Using a Discrete Choice Experiment to Elicit the Demand for a Nutritious Food: Willingness-to-Pay for Orange Maize in Rural Zambia' at the Indian Statistical Institute Conference on Growth and Development Economics, New Delhi.

**Bhattacharjea, A. 2010.** 'Of Omissions and Commissions: India's Competition Laws'. *Economic and Political Weekly*, 45: 31-38.

- 2010.** 'Did Kaldor anticipate the New Economic Geography?' *Cambridge Journal of Economics*, 34: 1057-1074.
- 2011.** 'Antitrust Law', in *The Concise Oxford Companion to Economics in India*. Kaushik Basu and Annemie Maertens (eds.), Oxford University Press, New Delhi.
- 2011.** 'International Cartels and Spheres of Influence', in *Dimensions of Economic Theory and Policy: Essays for Anjan Mukherji*. K. G. Dastidar, H. Mukhopadhyay, and U.B. Sinha (eds). Oxford University Press, New Delhi.
- Bhattacharjea, A. 2010.** 'Country Report on India', presented at Second Summer Workshop on Asian Competition Policy, Lingnan University, Hong Kong.
- 2010.** Chaired a session at the 'Conference on Growth and Development: Future Directions for India', organized by Centre for International Trade and Development, JNU, New Delhi.
- 2010.** 'Who Needs Antitrust: A Historical Comparative Analysis for Developing Countries', at the Global Competition Law Conference organized by the Centre for Law, Economics and Society of University College London, in New Delhi.
- 2010.** 'Economics of Competition Law', National Conference on 'Recent Developments in Competition Analysis: Theory and Evidence', co-sponsored by the Indian Council of Social Science Research and the Planning Commission, Centre for Development Studies, Thiruvananthapuram.
- 2010.** Lectures 'Trade, Competition Policy and Government Procurement' in WTO Regional Trade Policy Course, National University of Singapore, Singapore.
- Deshpande, A. 2011.** 'Liberalisation and inter-group disparities in India' at Conference on 'Indian Inequalities' organized by University of Michigan, Ann Arbor Mumbai.
- 2010.** 'Merit, mobility and modernism: economic discrimination in contemporary India' at Conference on 'Inequality in India' held at Mumbai, organized by University of Michigan, Ann Arbor, USA.
- 2010.** 'Does Affirmative Action in Indian Railways affect Productivity?' at University of Warwick, UK., and at University of Johannesburg, South Africa.
- 2010.** 'Growth, reforms and inequality: India and China' at Annual Conference on Development and Change, Johannesburg, South Africa.
- Dua, P. 2010.** 'India and China in the Global Economy: Trade Linkages and Leading Exports Index', at Eurostat, European Commission, Luxembourg.
- 'Economic Outlook for India: 2010-11 and 2011-12,' at Ministry of Finance, New Delhi.
- 2011.** 'Capital Flows and Exchange Rates in India: An Empirical Investigation', Workshop on 'Accumulation of International Reserves: Issues and Concerns', at IMF Independent Evaluation Office and Department of Economics, Pondicherry University, Puducherry.

**2011.** 'Predicting Recessions and Downturns: A Robust Approach', at 15th Conference of Commonwealth Statisticians, Ministry of Statistics and Programme Implementation, New Delhi.

**Ghosh, P. 2010.** 'Media Bias and Political Competition', at Annual Conference on 'Growth and Development', ISI, New Delhi.

**2010.** 'Repeated Elections and Persistence of Inefficient Policies' at the Annual Conference on 'Contemporary Issues in Economic Development', Jadavpur University, Kolkata.

**2011.** 'Repeated Elections and Persistence of Inefficient Policies' at Workshop on Economic Theory and Policy, Jawaharlal Nehru University, New Delhi.

**Sen, P. 2011.** 'The Macroeconomics of Climate Change and the Green Paradox: An overview' keynote lecture at the Environmental Protection and Sustainability Forum at University of Exeter.

**2011.** 'Convergence in the Open Economy' keynote lecture at Conference on 'International Political Economy and Cross-Border Effects at Queen Mary University of London, London.

**2010.** 'Convergence in a Two-Country Specific Factors Model' at the INSEAD and Sciences-Po, Paris.

**2010.** 'Nonuniqueness in Krugman's Balance of Payments Crisis Model' at the University of Pisa.

**2010.** 'Convergence in a Two-Country Specific Factors Model' at the Bank of Portugal, and the University of Kent.

**Somanathan, R. 2010.** 'Caste Hierarchies and Social Mobility in India', presented at APE Conference, Queen Mary's College, London, and at the Department of Economics, Carlos III University of Madrid, and at the Political Economy and Development Conference, Paris School of Economics, Paris, and at the School of Social Sciences Lecture Series, Institute for Advanced Study, Princeton.

**2010.** 'Group Identity and Social Mobility in India', presented at the Workshop on Social Policy in India, University of Warwick.

**2010.** 'Group Inequality in Democracies: Lessons from India and the United States', at Claremont McKenna College.

**2011.** 'Identity and Mobility', presented at Workshop on the Co-evolution of Behaviors and Institutions, Santa Fe Institute, New Mexico.

**2011.** 'Repayment Incentives and the Distribution of Gains from Group Lending', Seminar presented at the Department of Economics, UC Riverside.

**2011.** 'Contested Opportunities: the paradox of Affirmative Action in India', at the Order, Conflict and Violence Seminar series, Yale University, New Haven, and at the Conference

on Indian Inequalities held in Mumbai, India and organized by the Center for South Asian Studies, Michigan.

**2011.** 'Scheduling Caste: State-shaped Identity and Inequality in India', as the Leon Levy Public Lecture delivered at the Institute for Advanced Study, Princeton.

**Singh, R. 2010.** 'Incomplete Contracts, Renegotiations and Cost Overruns', LICOS Center at K. University Leuven, Belgium, and Public-Private Agreements' organized by The Economics of Public Private Partnerships Chair at the University of Paris I, Sorbonne.

**2010.** 'Procurement Contracts: Incentive Structure and Outcomes', the 6th Annual Conference on Economic Growth and Development at ISI Delhi.

**Singh, R. 2010.** 'Data on Infrastructure Projects: Missing Dimensions', at the Ministry of Statistics and Programme Implementation, Government of India, New Delhi.

**Singh, R. 2010.** 'Determinants of Cost Overruns in Public Procurement of Infrastructure: Roads and Railways', Annual Conference of the India Policy Forum, New Delhi.

**2011.** 'Public Private Partnership Contracts: International variations and their consequences', in the Hamburg Law and Economics Lecture Series, University of Hamburg.

**Sinha, U.B. 2010.** 'Understanding NREGA: A Simple Theory and Facts', International Conference on 'Science, Technology and Economy: Human Capital and Development', Indian Institute of Technology, Mumbai.

**2010.** 'Patent Protection and Southern Innovation: A Strategic Analysis', Conference on 'Frontier Issues in Technology, Development and Environment', Madras School of Economics, Chennai.

#### *Working papers*

**Afridi, F., Sherry Xin Li and Yufei Ren. 2010.** 'Social Identity and Inequality: The Impact of China's Hukou System'. *CDE, Department of Economics, Working Paper No. 190.*

**Banerji, A., Meenakshi, J.V. and Khanna, G. 2010.** 'Social Contracts, Markets and Efficiency: Groundwater Irrigation in North India'. *CDE, Department of Economics, Working Paper No.183.*

**Deshpande, A. and Thomas E. Weisskopf. 2010.** 'Do Reservation Policies Affect Productivity in the Indian Railways?' *CDE, Department of Economics, Working Paper No.185.*

**Dua, P. and N. Raje. 2010.** 'Determinants of Weekly Yields on Government Securities in India.' *CDE, Department of Economics Working paper No. 187.*

**Dua, P. and R. Ranjan. 2011.** 'Modelling and Forecasting the Indian RE/US Dollar Exchange Rate.' *CDE, Department of Economics, Working Paper No.197.*

- Goel, D. 2010.** 'Social Ties and the Job Search of Recent Immigrants.' *CDE, Department of Economics* Working paper No. 189.
- Kanwar, S. 2010.** 'Intellectual Property Protection and the Licensing of Technology to Developing Countries.' *CDE, Department of Economics* Working Paper No. 188.
- Meenakshi, J.V., Banerji, A., Manyong, Victor, Tomlins, Keith, N. Mittal, and Hamukwala, P. 2010.** 'Using a Discrete Choice Experiment to Elicit the Demand for a Nutritious Food: Willingness-to-Pay for Orange Maize in Rural Zambia.' *CDE, Department of Economics*, Working Paper No.186.
- Sen, P. and A. Ghosh. 2010.** 'Privatization in a Small Open Economy with Imperfect Competition.' *Centre for Development Economics*, Working Paper No. 195.
- Sen, P. 2010.** 'Singapore's Exchange Rate-based Monetary Policy: A critical evaluation'. *Centre for Development Economics*, Working Paper No. 194.
- Sen, P. 2010.** 'Monetary Policy, Capital Flows, and the Exchange Rate'. *Centre for Development Economics*, Working Paper No. 193.
- Shah, S.A. 2010.** 'Comparative Riskiness of Random Vector Outcomes.' *Department of Economics*, Working Paper No.191.
- Sinha, U.B. and Mukherjee, D. 2011.** 'Understanding NREGA: A Simple Theory and Facts'. *Department of Economics*, Working paper No. 196.
- Somanathan, R. Jean-Marie Baland, and Zaki Wahhaj. 2010.** 'Repayment incentives and the distribution of gains from group lending'. *Centre for Development Economics*, Working Paper No. 192.

## POLITICAL SCIENCE

### Major Activities

The Department was selected as a Centre of Advanced Study in the SAP programme, making it one of the few departments in the University to be designated as such. In November, 2010, the department hosted an International Conference on 'Globalization, Justice and Democracy' that was attended by six leading international scholars of globalization from outside India. It also hosted a public Conference on 'The Global Crisis and Associated Dilemmas' in association with ICSSR, ICPR, New York University and PEACE. The proceedings were uploaded on You Tube. The department also hosted a Book Release for Understanding Contemporary India: Critical Perspectives, a volume of essays by our faculty members that represent the state of the art in research on our subject.

### Ph.D./M.Phil. Degree awarded:

Ph.D.	-	9
M.Phil.	-	24

## Research Schemes

<i>Title</i>	<i>Principal Investigators</i>	<i>Sponsoring Organization</i>
DSA-SAP.	Prof. P.K. Datta	UGC
Federalism in South Asia: A Comparative Study of India and Pakistan.	Prof. Veena Kukreja	UGC
The Role of Governance in the Resolution of Socio-economic and Political Conflicts in India and Europe.	Prof. Navnita C. Behera	Union European
Promoting Impact and Knowledge Transfer in Global Poverty Research.	Dr. Ashok Acharya, Luis Cabrera, Thomas Pogge and Darrel Moellendorf (core partners)	UKIERI (UK-US-India Tripartite Award, 2010)
Exchange by Promoting Quality Education, Research and Training in South and South-East Asia.	Prof. Navnita C. Behera	European Union

## New Additions

Dr. Devika Sharma	Dr. Mohinder Singh	Dr. Nasreen Chowdhary
Dr. Sohini Guha	Dr. Rajesh Dev	Dr. Mollica Dastider

## Appointments of Faculty members to higher Posts/Assignments

**Prof. Neera Chandhoke:** Visiting Fellow Centre for Ethics and Global Politics, LUISS University, Rome, May 2011.

**Prof. Bidut Chakrabarty:** Visiting Professor to Mahatma Gandhi Chair on Global Non-Violence at James Madison University, Virginia, U.S.A.

**Prof. Navnita C. Behera:** Member of the Special Task Force on Ladakh to look into its infrastructural needs by the Government of India for six months, from September 2010 to February 2011.

**Dr. Ashok Acharya:** Scholar-in-Residence at the Omeo Kumar Das Institute of Social Change and Development, Guwahati, November 2010.

Visiting Fellow, Department of Political Science, University of Allahabad, 20-25 Sept. 2010.

**Dr. Rekha Saxena:** Appointed Member of the Task Force on 'Socio-Political Developments, Public Policy and Governance' set up by the new Commission on Centre - State Relations, Ministry of Home Affairs, Government of India under the chairmanship of Justice M.M. Punchhi.



Appointed Country Co-coordinator for India along with M.P. Singh on a global dialogue programme of the Forum of Federations, Ottawa on the theme 'Inter-governmental Relations in Federal Countries'.

Appointed as honorary Vice Chairperson of Centre for Multilevel Federalism, ISS, New Delhi.

### **Honours/Distinctions**

**Prof. Neera Chandhoke:** National Swami Pranavananda Saraswati Award for Contributions to Political Science, UGC.

**Prof. Navnita C. Behera:** Erasmus Mundus Visiting Fellow at University of Bologna, Italy and Central European University, Budapest as part of the GEMMA consortium, Summer 2010.

**Dr. Rekha Saxena:** The recipient of the Shastri Indo-Canadian Institute's Faculty Enrichment Award for the year 2010-11 and was a visiting faculty at Queen's University, McGill University and University of Toronto.

### **Seminars/Conferences held**

International Conference on the Global Crisis and Hegemonic Dilemmas at India International Conference Centre, Max Mueller Road, New Delhi, 8-10 November 2010.

Symposium on Globalization, Justice and Democracy at Conference Centre, 11 Nov. 2010.

### **Seminars/Conferences attended**

**Prof. Pradip Kumar Datta:** 'Rabindranath, Viswabharati and modes of Globality', National Seminar on 'Rabindranath 150: Contemporary Perspectives and Representative Forms, Maharani Kasiswari College in association with Centre of Associates for Sociological Studies and Action, Kolkata, 21-22 March 2011.

**Prof. Neera Chandhoke:** Plenary address on 'Global Justice; A View from the Developing World' at the annual meeting of the British Sociological Congress on 'Inequalities and Social Justice', Glasgow, Scotland, 7-9 April 2010.

Presentation on 'Kashmir at the United Nations' at a Conference on '*Partitions*', Simon Fraser University, Vancouver, Canada, 24-25 June 2010.

Presentation on 'Why Should Rights be Justified?' at a Conference on 'Human Rights', Chinese Academy of Social Sciences, Institute of Philosophy, Beijing, China, 16-17 October 2010.

Presentation on 'Globalization and the State in India' at a Conference on Globalisation, Department of Political Science, Oslo University, Norway, 6-8 November, 2010.

Keynote on 'Pluralism in Divided Societies' at the Conference on Pluralism and Democracy organised by IIT Chennai.

**Prof. Achin Vanaik:** Invited on board the PEACE BOAT to give a series of lectures to passengers and the students who have been admitted for their 'international university' course on board. Peace Boat is a formally recognised NGO by the UN.



Invited to make a presentation on 'The World in Crises and Alternative Pathways' in Brussels, Belgium by the Asia Europe Peoples Forum organized by the Belgian government in collaboration with international NGOs, 2-5 October 2010.

Presented a paper on 'The Socialist Alternative: Reorienting the Indian Left' at the international Conference on The Global Crisis and Hegemonic Dilemmas organized in New Delhi by the Dept. of Political Science, Delhi University, 8-10 November 2010. And the Popular Education and Action Centre (PEACE) with support from the UGC (SAP), the Indian Council of Social Science Research, the Indian Council of Philosophical Research, the Dept. of Sociology, New York University.

**Prof. Ujjwal Kumar Singh:** Paper on 'Indian Democracy in Search of a democratic state: Socio-political challenges and state responses in contemporary India' at a Conference on South Africa and India: Dialogues on Social Justice and Contested Transitions, organised by the Centre for Sociological Research at the University of Johannesburg and the Centre for Indian Studies at the University of Witwatersrand, at the Soweto Campus of University of Johannesburg, South Africa, 4-6 October 2010.

Paper on 'Mapping Anti-terror legal regimes in India' at the Second International Research Workshop, organised by the Law School of the University of New South Wales and the Gilbert and Tobin Centre for Public Law at the University of New South Wales, Sydney, Australia, 5-6 August 2010.

Paper on 'Doing Political Research: Law, Politics and the Subaltern' at the UGC-DSA Workshop on Studying Politics versus Doing Politics, organized by the Department of Political Science, University of Hyderabad, 5-6 April 2010.

Paper on 'Rajdroha in Colonial and Postcolonial Times', at a One Day Consultation Workshop on Sedition Laws and Democracy', jointly organized by the Centre for the Study of Social Exclusion and Inclusive Policy, National Law School University and Alternative Law Forum, Bengaluru, 29 January 2011.

Paper on 'Curricular Material in Hindi in the teaching of Political Science' at Workshop on Social Science Teaching in Hindi: An Inventory and Analysis of Popular Curricular Materials, Department of Sociology, University of Delhi, 25 June 2010, (Co-authored).

Dr. Parmanand Memorial Lecture on 'How many Gandhis and Mandelas more? Indian Democracy and Civil Rights Movement', at SOL, University of Delhi, 3 Feb. 2011.

Special lecture on 'Sarvajanhitaya ki Avadharna: Vartaman UP Shasan ki Neetiyon ke Sandarbha mein', delivered as chief guest at the National Seminar on Sarvajanhitaya ki Avadharna, Brahmavarta Snatakottar College, Kanpur, 28 January 2011.

**Prof. Navnita C. Behera:** Presentation on 'Socio-Cultural and Political Premises of Peace Building and Conflict Resolution Initiatives in India', [Chair: Hans Joachim Geismann] at a Workshop organized by Bergh of Conflict Research Centre, Berlin, 28 June 2011.

Public Lecture organized by Sasakawa Peace Foundation in Tokyo on 'Japan-India Dialogue on Eurasian Security: The Kashmir Challenge and its Impact on Neighboring Areas', 4<sup>th</sup> February 2011; and a Talk on 'Indian IR and its Foreign Policy', [Chair: Prof. Takenori Horimoto) by Shobi University, 5 February 2011.

Paper presented on 'Inter-Provincial Relations in Jammu & Kashmir: 'Old' Ties and 'New' Bonds,' at a Conference on 'Conflict in Jammu & Kashmir: Impact on Society, Polity and Economy,' organized by Jammu University and Centre for Security Analysis, 21-22 September 2010.

Peace Research Association (IPRA) Global Conference on 'Communicating Peace', at University of Sydney, Australia, July 2010. Plenary Lecture: 'Human Security: Contributions from South Asia'. [Chair: Frans Verghan] and Book Launch of *Global Environmental and Human Security Handbook for the Anthropocene*, at the same event with my talk on 'The Security Problematique in South Asia: Alternative Conceptualizations.'

Talk on 'Gender, Conflict and Forced Migration: Sharing Experiences from South Asia', at University of Bologna, Italy, April 2010.

**Prof. Veena Kukreja:** International Seminar on Pakistan, Jamia Millia Islamia, February 2011.

International Conference on South Asia held, IDSA, November 2010.

10th International Asian Security Conference on 'Asian Security in 21<sup>st</sup> Century', IDSA, February 2011.

**Dr. Ashok Acharya:** Panelist, Public Meeting and Workshop on 'Building Consensus on Global Poverty' University of Oslo, 3-4 September 2011.

'Affirmative Action in India: Justifications, Challenges, Trade-offs' at the Department of Political Science and International Studies, University of Birmingham, 25 May 2011.

'The Justice and Justification of Group Rights', in the International Seminar on Nation-Building in Multicultural Society, University of Allahabad, 4-5 March 2011.

'Group Rights and the Liberal Discourse', in the International Seminar on Liberalism, Human Rights and Multiculturalism, New Delhi, 21-22 February 2011.

'Multicultural Anxieties and the Politics of Inclusion: Towards a Comparative Theoretical Framework' in the symposium on Challenges of Globalisation: Australian and Indian perspectives, organized by the Australia-India Institute of the University of Melbourne at the India Habitat Centre, New Delhi, 27-28 April 2010.

**Dr. N. Sukumar:** 'Equitable Access and Success in Higher Education', organized by the International Association of Universities, the World Bank and the University of Arizona, Arizona, USA, 17-19 November 2010.

Invited for an International consultation on 'Interfacing for Emancipation: Dalit Theologians and Activists in Conversation for Collaboration' organized by Collective of Dalit Ecumenical Christian Scholars in collaboration with South Asia Theological and Research Institute, the Ecumenical Christian Centre, the Student Christian Movement in India and the World Council of Churches at the Ecumenical Christian Centre, Whitefield, Bengaluru, 5-9 August 2010.

Delivered the Keynote Address at the Human Rights Section of the Documentary Film Festival, 'Prakruti', Agartala, 16 February 2011.

'Dalit Movement: Some Reflections from Delhi University', National Seminar on 'Dalit Movement and its Contemporary Concerns', Dr. K.R.Narayanan Centre for Dalit and Minorities Studies, Jamia Millia Islamia, New Delhi, 23 March 2011.

'Embodied Memories: A Journey with Ambedkar', National Seminar on 'Interrogating Discourses: Ambedkar and Discursivity', Dr. Babasaheb Ambedkar Studies Centre and Chair, University of Pune, 14-15 March 2011.

'Ambedkar's Ideas on Democracy', Inter-Disciplinary National Seminar on '60 Years of the Indian Constitution: Retrospect and Prospect', Jaihind College, Mumbai, 20-22 September 2010.

'Negotiating Citizenship: The Dalit Perspective', National Seminar on 'Citizenship, Nationality and Globalization' organized by Department of Philosophy, Dravidian University, Kuppam, (AP), 16-18 September 2010.

**Dr. Rekha Saxena:** 5th International Conference on Federalism organized by the Forum of Federations, Canada and Government of Ethiopia held in Addis Ababa, Ethiopia, 2010.

Presented a paper on 'Globalization and Constituent Diplomacy: Growing State Role in Treaty Making Power in India' at an international Conference organized by India Australia Foundation, Melbourne and University of Delhi held in Delhi, 2010.

**Dr. Mohinder Singh:** Presented Paper on 'Discourse of Civilization in Indian Political Thought before Hind Swaraj' at Winter School on Life and Thought of M.K. Gandhi at IAS, Shimla, 1-15 December 2010.

Presented paper on 'Cosmopolitanism' for the Indian Political Thought Section of the ICSSR Research Survey Workshop in Political Science, held at International Centre, Goa, 13-16 February 2011.

**Dr. Rajesh Dev:** Homelands, Politics of belonging and Human Rights problematising autonomy regimes in North-east India, paper presented at the International Seminar on 'Human Rights Liberalism and Multiculturalism' being organized at the Department of Philosophy, Delhi University, 21- 22 February 2011.

Dilemmas of Multicultural Accommodation: Learning from the periphery. Paper presented at the International Seminar on 'Nation-Building in Multicultural Society' organized by Rajiv Gandhi Chair in Contemporary Studies, University of Allahabad, Allahabad, 4-5 March 2011.

**Dr. Mollica Dastider:** Presented a paper: 'From Caste to Tribe: Matwali Mongoloids in East Himalayas' in the National Seminar on 'Power in Modern India: Discourses and Practices' organised by Centre for Political Studies, JNU.

**Dr. Nasreen Chowdhory:** Public lecture at Mahanirban Calcutta Research Group, Kolkata, 'Contesting Statelessness: Comparative Perspective of Tibetans and Rohingyas in India and Bangladesh', 13 August 2010.

### **Publications**

**Datta, P.K. 2010.** *Heterogeneities: Identity formations in modern India*, New Delhi: Tulika Books.

'The conundrums of the Global-National: Using Tagore for a new politics of the Global', *Understanding Contemporary India: Critical Perspectives*, Delhi University Reader (eds.) Vanaik, A. and Bhargava, R. (Delhi: Orient Blackswan, 2010).

**Chatterjee, P., Ghosh, A., Guhathakurta, T. and Nair, J. (eds) 2010.** 'Collectives Now: The Rizwanur movement' *Theorising the Present: Essays*. New Delhi: Oxford University Press.

**Chandhoke, N. 2010.** 'How Much is Enough Mr Thomas? How Much Will Ever be Enough?' in Alison Jagger edited, *Pogge and his Critics*, Cambridge, Polity, pp. 66-83.

**2010,** 'The Quest for Justice: Evoking Gandhi' in Aakash Singh Rathore edited *Indian Political Thought*, London, Routledge, pp. 39-50.

**2010,** 'Putting Civil Society in Its Place' in *Introducing Contemporary India* edited by Vanaik, A. and Bhargava, R. New Delhi: Orient Blackswan Private Ltd., pp. 91-104.

**2010.** 'When is Secession Justified? The Case of Kashmir' *Economic and Political Weekly*.

**2010.** 'What Sort of a Right is the Right of Secession?' *Global Jurist*, Vol.10, I.S.S. 1 (Topics) Article 5, DOU10.2202/1934-2640.1336. <http://www.bepress.com/gj/vol10/iss1/art5>

**2010.** 'Some Reflections on the Notion of an 'inclusive political pact': a perspective from Ahmedabad', [www.crisisstates.com](http://www.crisisstates.com) (LSE, W.P 71, Series 2).

### *Book*

**Vanaik, A. 2010.** *Understanding Contemporary India: Critical Perspectives* edited by Vanaik, A. and Bhargava, R. New Delhi: Orient Blackswan.

**Saxena, R. 2010. (ed.).** *Varieties of Federal Governance: Major Contemporary Model*, New Delhi: Foundation, Cambridge University Press India.

### *Book Chapters*

**2010.** 'Building a Nuclear Disarmament Movement: Learning Lessons Since 1998' in *Bridging Partition: People's Initiative for Peace Between India and Pakistan* edited by Kothari, S. and Zia Mian, New Delhi: Orient Blackswan.

**2011.** 'India the Emerging Power' in *South Asia 2011*, brought out by Europa World Year Book, London: Routledge Publishers.

'Indian Foreign Policy Since the End of the Cold War: Domestic Determinants' in Ruparelia, S., Reddy, S., Harriss, J. and Corbridge, S. (eds.) *Understanding India's New Political Economy*, London: Routledge, Taylor & Francis.

**Singh, U.K. 2011.** 'The Police and the People: Rights and Police Accountability in India' in Mehra, A.K. and Levy, R. (eds.), *The Police, State and Society: Perspectives from India and France*, Pearson/Longman, Delhi.

**Kukreja, V. 2010.** *Military in the Power Structure of Pakistan: an Indian Perspective*, Vanaik, A. and Bhargava, R. (eds) *Understanding Contemporary India: Critical Perspective*, New Delhi: Orient Black swan.

**Saxena, R. (ed.). 2011.** '*Federalism in Pakistan*', *Varieties of Federal Governance: Major Contemporary Models*, New Delhi, Foundation.

**Sukumar, N.** 'Dalit Merit and Institutional Injustice: A Case Study', *Social Action*, Indian Social Institute, New Delhi, January-March 2011, Vol. 61, No. 1, ISSN-0037-7627.

**2010.** 'Land and Marginalization: Landlessness and Marginalisation: A study of Kalahandi, Bhojpur and Chittoor', Manoranjan Mohanty Social Development Report, (ed), Council for Social Development, Delhi, OUP.

**Acharya, A. 2010.** 'Constitutionalising Difference: The Indian Experiment' in Vanaik, A. and Bhargava, R. (eds.), *Contemporary India: Critical Perspectives* (Orient Blackswan).

#### *Articles*

**Saxena, R. and Singh, M.P. 2010.** 'Role of Judiciary in Federalization of the Indian polity' in *New Directions in Federalism Studies* (eds.) Erk, J. and Swenden, W. London: Routledge.

**Saxena, R. 2010.** 'Federalism, Intergovernmental Mechanisms and Coalition Governments: Continuity and Change' in *Shaping India's Foreign Policy*, (eds.) Amitabh Mattoo and Happymon Jacob, Delhi: Har Anand Publications.

**Singh, M. 2010.** 'Civil Society: A Conceptual Analysis' in *Eastern Quarterly*, Vol. 6, Issue III, Autumn.

#### *Research Articles*

**Dastider, M. 2010.** *Liberal Dilemma with Difference: Muslims in a Western Democracy*, Occasional Paper No. 179, under the new O.P. Series of the Centre for Studies in Social Science, Kolkata.

**Sharma, D. and Ganeshan, S. 2011.** 'Before and Beyond Energy: Contextualising the India-Africa Partnership', Occasional Paper No. 77, South African Institute of International Affairs.

## SOCIOLOGY

### Major Activities

At the beginning of the academic year, a workshop was held to discuss new faculty publications, where faculty presented the arguments and themes from their books. Presentations were made by Prof. Meenakshi Thapan on her new edited volume, *Contested Spaces: Citizenship and Belonging in Contemporary Times*, by Dr. Rabindra Ray, on his new book. In the *European Shadows: Further Essays in Philosophical Anthropology*, and by Roma Chatterji on her new book, *Writing Identities – Folklore and the Performing Arts in India*.

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

Ph.D.	-	1
M.Phil.	-	15

### Programmes Taken up involving inter-institutional collaboration

**Dr. Rita Brara, Prof. Roma Chatterji, Dr. Deepak Mehta, Dr. Rabindra Ray, Prof. Meenakshi Thapan (Coordinator), Prof. Rajni Palriwala:** European Studies Programme funded by the European Commission.

### Appointments of Faculty members to higher Posts/Assignments

**Prof. Virginius Xaxa:** Appointed Director of Tata Institute of Social Sciences, Guwahati.

### Seminars/Conferences held

The Department organized a panel discussion to release a volume honouring the memory of Professor Aneeta A. Minocha on 17 September 2010.

The first Research Scholars' workshop for the academic year 2010-11 was held on 18<sup>th</sup> November, 2010.

A Workshop, 'Reflections on Naxalism' held on 3 March 3 2011, organised Dr. Rabindra Ray.

### Seminars/Conferences attended

**Dr. Janaki Abraham :** 'What will the neighbours say?': Everyday forms of control and negotiation in contemporary Kerala', presented at the Indian Association of Women's Studies Conference, Mahatma Gandhi Hindi University, Wardha, January 2011.

'Wedding videos in north Kerala: technologies, rituals and ideas of love and conjugality', presented at a Seminar at the Department of Cultural Studies, The English and Foreign Languages University, Hyderabad, September 2010.

**Dr. Yasmeen Arif:** Opening and Closing Presentations. *Frames of Violence* Symposium, Consortium for the Study of the Asias. University of Minnesota (Twin Cities Campus), April 2010.

'Between Us and Amongst Them: Towards Other Epistemologies and Knowledges', Panel presentation on Transnational Knowledge Production. Interdisciplinary Center for the Study of Global Change, University of Minnesota (Twin Cities Campus). Conference on 'ICGC after Twenty Years', April 2010.

**Dr. Aphun, Kamei:** 'Questions of Identity and Ethnic Assertion: The Case of the Zeliangrong Nagas in North East India', Department of Sociology Colloquium, University of Delhi, 21 January 2011.

Screened two documentaries on 'Violence of Manipur' based on the Mao Gate Incident of 6th May, 2010 at the M.N. Srinivas Seminar Room, Department of Sociology, University of Delhi, 15 September 2010.

**Dr. Anuja Agrawal:** Ideologies of 'honour' and prostitution of women: The Bedia case in the consultation on Crimes against women in the name of 'Honour': strategizing for women's rights and citizenship in South Asia, Godavari Village Resorts, Kathmandu, Nepal, 23-25 September 2010.

'Prostitution and marriage payments among the Bedia of North India', Department of Sociology, University of Kyoto under the aegis of the GCOE programme 'Reconstruction of the Intimate and Public Spheres in 21st Century Asia' at the University of Kyoto, Kyoto, Japan, 15 June 2010.

**Dr. Rita Brara:** Chair-discussant for a panel on common pastures and a panel discussant on a study on common property resources study conducted by FES at the 13th Biennial Conference of International Association for Study on Commons (IASC) held at Hyderabad, 11-14 January 2011.

'Commons and Commoners: Clues from a Half-Century of Agropastoralist Experience'. Presentation at a workshop on 'Common Property Resource Institutions, Pastoral Production Systems and 'Green Revolution' in Transition', Foundation for Ecological Security-Centre for Social Ecology Workshop held at CAZRI, Jodhpur, 18-19 November 2010.

**Dr. Roma Chatterji:** '9/11 and the Chitrakars of Bengal', presented at a Workshop on qualitative method at Hindu College, Delhi, 27-28 January 2011.

'Folk Art and New Media', presented at Centre for Social Studies, Kolkata, 23 Dec. 2010.

Panelist and discussant on theme of *Status* at Annual Research Scholars Workshop organized by the Centre for the Study of Social Sciences, Kolkata, 15-20 November 2010.

'Representations of Dharavi', presented at an international Conference on South Asian Cities organized by the Museum of Ethnology, Osaka in collaboration with the University of Edinburgh, 18-21 July 2010.

'Violence and Everyday Life in Dharavi, Mumbai', presented at an international Conference on Violence at Delhi School of Economics, organized by the Department of Economics in collaboration with the University of Oslo, 15-17 April 2010.



'Folk Art and the Graphic Novel', presented at the International Bengal Studies Congress at Delhi University, 5-9 April 2010 and the Sociological Research Colloquium in November 2010.

'The Chitrakars: A Community in Transition', at New Directions in Sociological Research, Refreshers' Course organised by JNU, March 2010.

'Manasa in Patua Art', presented at the Global Women's' Association, 19 February 2010.

**Dr. Radhika Chopra:** 'Dead Men Tell Tales: Visualizing martyrdom in the Central Sikh Museum, Amritsar', Gendered Pasts, Masculinist Frames, History Society, Indraprastha College for Women, Delhi, 8-9 February 2011.

'Political Memory: Erasure, Recovery, Ethnography', Qualitative Research Methodology Hindu College, Delhi, 27-28 January 2011.

'A Shrine and its Museum: Memory, History and Politics in the Sikh Golden Temple', Modern Indian Studies Seminar, Georg August University, Goettingen, Germany, 29 October 2010.

'Servitude and Sacrifice: Domestic work and muted masculinity', Gender Studies Group and Centre for Modern Indian Studies, Georg August University, Goettingen, Germany, 27 October 2010.

'Visual Mnemonics: The Martyrs of 'Operation Bluestar'', Papiya Ghosh Memorial Workshop 2010. Centre for Studies in Social Sciences, Kolkata, 1-2 July 2010.

**Dr. Abhijit Dasgupta:** 'The Land Question: Naxalbari Movement, 1967-71', Paper presented at Plenary Session Indian Anthropological Congress, Kolkata, 22 Feb. 2011.

'The Red Corridor and the Maoist Struggle', Paper presented in a workshop on 'Maoist Struggle in India and Nepal' in Kathmandu, Nepal, 7 January 2011.

'Learning from the Past: Anthropology and Agrarian Structure', Paper presented as a part of the Golden Jubilee Lecture series of the Indian Anthropological Society in Kolkata, 7 November 2010.

'The Muslim Minority Community and Local-Level Politics in West Bengal', Paper presented at the Department for the Study of Inclusion and Exclusion in Maulana Azad National University, Hyderabad, 27 August 2010.

**Dr. Satish Deshpande:** 'The New Geographies of Mobility: Spatial Aspects of Social Transformation Today', Indian Academy of Social Sciences, 34<sup>th</sup> National Conference, Guwahati. Plenary Presentation, 30 December 2010.

'The Media and its Contemporary Social Contexts', Programme in Comparative Law and Media Policy, Oxford University, International Workshop on Comparative Perspectives on Media Regulation and Society, New Delhi, 14 December 2010.

'Gramsci, Ambedkar and the Common Sense of Caste', Centre for the Study of Social Exclusion and Inclusive Policies, Mangalore University, 21 November 2010.



'Social Perspectives on the Contemporary', Centre for the Study of Developing Societies, Summer School on 'Researching the Contemporary', 25 August 2010.

'Publishability: What is it and how to acquire it' and 'The Structure of Academic Articles', Economic and Political Weekly, Research Writing Workshop, Jamia Millia Islamia, Delhi, 23-24 August 2010.

'The Politics of Not Counting Caste', National Seminar on Caste Census, National Law School University, Bengaluru, 24 July 2010.

'Publishing in Academic Journals: A Rough and Optimistic Guide', and 'Tables – Good, Bad and Ugly', Economic and Political Weekly, Research Writing Workshop, University of Hyderabad, 12-13 July 2010.

'The Language Question in Social Science Teaching Today', SRTT-HEC-ISERDD Workshop on Social Science Teaching in Hindi, Department of Sociology, Delhi School of Economics, 25 June 2010.

'Caste Articulation and Indian Democracy: Sharing Sovereignty in Post National Contexts', Seminar: 60 Years of Indian Democracy, Brown University, Providence, Rhode Island, 6-9 May 2010.

'The University and the Annihilation of Caste', Symposium: A Dialogue with Ambedkar on a University, Ambedkar University, Delhi, 14 April 2010.

'From Caste Census to the Annihilation of Caste: Notes on a Long and Difficult Journey', Ambedkar Chair, National Seminar on Caste and the Census, Indira Gandhi National Open University, New Delhi, 24 February 2010.

'Intra-Group Differences and Equity in Reservations'. Centre for the Study of Social Systems, National Conference on *Movements for Equity in Reservations*, JNU, 22 February 2010.

Action for Social Equality, Public Meeting on Caste Census. Presentation: 'From Caste Census to the Annihilation of Caste: Notes on a Long and Difficult Journey', Thrissur, Kerala, 9 January 2010.

**Dr. Deepak Mehta:** 'The Ayodhya Dispute: Documents and the Status Quo', Plenary presentation at the Second Lassnet Conference, Pune, 27-31 December 2010.

'Communal Violence, Neighbourhoods and the Nation in Bombay'. Conference on Communalism and Cinema, FTII, Pune, 4-7 December 2010.

'The Ayodhya Dispute: Documentary Interdictions and the Emergency'. Conference on Multiculturalism and Religion, University of Ottawa, Canada, 24-27 September 2010.

Discussant for two papers in a Conference on South Asian cities, Osaka, Japan, 18-21 July 2010.

**Dr. Tulsi Patel:** Secretary, Indian Sociological Society, part of the organization of the 36th All India Sociological Conference, Ravenshaw University, Orissa, 27-29 December 2010.

Organised a pre-Conference workshop on 'National Rural Health Mission', Ravenshaw University, Cuttack, Orissa, 26 December 2010.

**Rabindra Ray:** Presented the preliminary findings of European research, October 2010.

Visit to Potsdam University, Germany in 'The European Studies Programme of the University, June-July 2010.

**Nandini Sundar:** 'Women in Conflict', Srimati Indrani Devi Centenary Lecture, Indian Institute of Public Administration, New Delhi, 8 March 2011.

'Emotional Wars and the Construction of Difference'. Talk at Seminar on Naxalism, Department of Sociology, Delhi School of Economics, 3 March 2011.

'Fieldwork in Conflict Situations'. Presentation at workshop on Qualitative Research Methodology, organised by the Department of Sociology, Hindu College with the Indian Association of Social Science Institutions, 27-28 January 2011.

Panel discussion on 'Social Attributes of Exclusion and Poverty in Rural India', organised by the Centre for Study of Social Exclusion and Inclusive Policy, University of Rajasthan, Jaipur, 13 January 2011.

'Emotional Wars and the Construction of Difference'. Paper presented at Workshop on Governing Difference, Asian Dynamics Initiative Annual Conference, Copenhagen, 11-13 November 2010.

Panel on Maoism at NUS, Singapore, 20-21 September 2010.

Conference on regrouping organised by the Zoram Research Foundation, Aizawl, Mizoram, 6-9 September 2010.

'The Rule of Law and Citizenship in Central India: post colonial dilemmas'. Law and Social Sciences Research Network, Delhi Chapter. Centre for Policy Research, New Delhi, 22 July 2010.

'India's Vietnam: Constructing Naxalism as India's gravest security threat'. Panel on Maoism, Woodrow Wilson Centre, Washington, 15 July 2010.

'Citizenship in a Looking Glass World'. Talk organised by Samaj Revue. FMSH, Paris, 29 June 2010.

'Litigating against Counterinsurgency'. Talk at Just India Project, FMSH, Paris, 24 June 2010.

Panel Discussion on 'Naxalite Challenge', Observer Research Foundation, New Delhi, 14 May 2010.

'Counterinsurgency and Regrouping; Experiences from India'. Conference on Social Conflict, University of Oslo and the Delhi School of Economics, DSE, 9 April 2010.

**Dr. Meenakshi Thapan:** 'Crossing Borders, Making Connections: Transnationalising Scholarship in Educational Anthropology', paper presented at a Research Workshop on Worlds of Educational Anthropology: Transnationalising Scholarship organised by the Danish School of Education, Aarhus University, Copenhagen on 26 November 2010.

'Being Muslim, Becoming Citizens: Aspects of Girls' Education in a School in Ahmedabad', paper presented at a Research Workshop on Religion and childhood education arranged by Child and Youth Studies Group, Educational Anthropology in cooperation with the research projects: Missions of Transformation: Children, Spirituality, and Society; Islam, Muslims and Danish Schools at the Danish School of Education, Aarhus University, Copenhagen, 25 November 2010.

'The Struggle for Integration across barriers of Race and Language in a Canadian School', paper presented at the Ecole Normale Supérieure, Paris, 17 June 2010.

Discussant at an international Conference on 'Muslims in Indian Cities' organized by CERI, Sciences Po, Paris, 16 June 2010.

'Imagined Landscapes, Flexible Identities: The Dynamics of Class and Gender in Transnational Migration', paper presented at an international workshop on Nepal-Indo Migration in the context of South Asian Mobility Patterns organised by Martin Chautari, Kathmandu and the Danish School of Education, Aarhus University, Denmark, at Dhulikhel, Nepal, 3-4 April 2010.

**Dr. Sudha Vasan:** Panelist on 'Land Grabbing, Tenure Rights and Food Justice' for National Consultation on Food Justice, Oxfam, New Delhi, 7-8 February 2011.

'Ethnography of the State' and 'Forest Rights Acts 2006: Law, Activism and Livelihoods' at Academic Staff College, Panjab University, Chandigarh, 16 December 2010.

**Dr. Xaxa, Virginius:** 'Social Exclusion and Tribe' at a workshop on Inclusive Goals, Exclusive Practices, CSSS, Kolkata, April 2010.

## **Publications**

### *Books*

**Chopra, R. 2011.** 'Militant and Migrant: The Politics and Social History of Punjab'. London, NY, New Delhi: Routledge.

**Ray, R.** In the European Shadow, Yash Publishers, August 2010.

### *Research Articles*

**Abraham, J. 2011.** 'Weddings and Videos: Representing Conjuality in Contemporary Kerala', in Sen, S., Biswas, R. and Nandita Dhawan, N. (eds). Kolkata: Stree Intimate Others: Marriage and Sexualities in India.

- 2010.** 'Wedding Videos in North Kerala: Technologies, Rituals, and Ideas about Love and Conjugality'. *Visual Anthropology Review*. 26: 2, pp. 116-127.
- 2010.** 'Space, gender and veiling in a town in North India: a critique of the public/private dichotomy'. *Indian Journal for Gender Studies*. 17: 2, pp.191-222.
- Brara, R. 2010.** 'Perspectives on Commons' Encroachment' in Das, V. and Das, R.K. (ed.) *Sociology and Anthropology of Economic Life: The Moral Embedding of Economic Action*. New Delhi: Oxford University Press.
- 2010.** 'The Item Number: Cinesexuality in Bollywood and Social Life'. *Economic and Political Weekly*, Vol. XLV, No. 23, pp. 67-74.
- 2010.** 'Why a Cousin Becomes a Spouse: Elementary, says Levi-Strauss' in Gupta, D. (ed.) *My Favourite Levi-Strauss*, New Delhi: Yoda Press.
- 2010.** 'Claude Levi-Strauss (1908-2009) Obituary'. *Contributions to Indian Sociology*, Vol. 44, No. 3, pp. 389-393.
- Chatterji, R. 2011.** 'Saying God into Presence: Narrative Embodiment in Folk Religion,' in Sharma, A.K. (ed.) *Religion and Culture in Indian Civilization. Essays in Honour of Prof. C.N. Venugopal*, DK Printworld, New Delhi.
- 2010.** 'Emergent Events and the Folklore Archive in Bengal'. In *Between Nationalism, Socialism and the Global Market*. Mershon Center, Ohio State University.
- 2010.** 'Folk Art, State Patronage and the Constitution of the Local'. In Thapan, M. (ed.) *Contested Spaces. Citizenship and Belonging in Contemporary Times*. Delhi: Orient Blackswan.
- Chopra, R. 2011.** 'Militant and Migrant: The Politics and Social History of Punjab'. London, NY, New Delhi: Routledge.
- 2010.** 'Commemorating Hurt: Memorialising Operation Bluestar', *Sikh Formations: Religion, Culture, Theory*, Vol. 6, No. 2, pp. 119-152.
- Deshpande, S. 2010.** *Social Science Teaching in Hindi: An Inventory and Analysis of Popular Textbooks at Six North Indian Universities*. Report of a project supported by the Sir Ratan Tata Trust, Mumbai; Higher Education Cell, Centre for the Study of Culture and Society, Bengaluru; and the Institute for Socio-Economic Research in Democracy and Development, Delhi.
- 2010.** 'Comprehending Class', Special issue of the *South African Review of Sociology*, (co-edited with Alexander, P. and Wale, K.), Vol. 41, No. 3.
- 'Popular Culture, Gender and Sexuality: Essays in Honour of Patricia Uberoi', special issue of *Contributions to Indian Sociology*, (co-edited with Baviskar, A. and Sundar, N.), Vol. 44, Nos. 1-2, June 2010.

'Introduction: Higher Education, the Social Sciences and the Language Question in an Unequal Society' (pp. 5-20), and 'Conclusion and Some Suggestions For the Future' (pp. 95-101) in Satish Deshpande, S. (ed.), *Social Science Teaching in Hindi: An Inventory and Analysis of Popular Textbooks at Six North Indian Universities*, a Project Report sponsored by the Sir Ratan Tata Trust and the Higher Education Cell, CSCS, Bengaluru, October 2010.

*Pass, Fail, Distinction: The Examination as a Social Institution*, text of the Third Marjorie Sykes Memorial Lecture, published as a monograph by the NCERT, New Delhi, September 2010, pp.10-66.

'The Politics of Not Counting Caste', with Mary E. John in *Economic and Political Weekly*, Vol. 45, No. 25, 19-21 June 2010, pp. 39-42.

**2010.** 'Introduction: Honouring Patricia Uberoi', with Baviskar, A. and Sundar, N., in *Contributions to Indian Sociology*, Vol. 44, Nos. 1 & 2, pp. 1-9.

**2010.** 'Recent Trends in Caste Inequalities: Comparison of NSSO Consumption Expenditure Data of 2000 and 2005', in Debal K. Singha-Roy (ed.) *Surviving Against Odds: The Marginalised in a Globalising World*, New Delhi: Manohar, pp. 97-117.

**Mehta, D. 2010.** 'Words That Wound: Archiving Hate in the Making of Hindu-Indian and Pakistani-Muslim Publics in Bombay'. In Khan, N. (ed.) *Beyond Crisis: Re-evaluating Pakistan*. Delhi: Routledge.

'Naming' Conversion: Being Muslim in Old Delhi'. In Gupta, D. (ed.): *My Favourite Levi-Strauss*. Delhi: Yoda Press.

**2010.** Self-Dissolution, Politics and the Work of Affect: The Life and Death of Sufi Baba. *Borderlands*, Vol. 9, No. 3.

**Patel, T. 2010.** 'Mothers and young children', in Ellen Kuhlmann and Ellen Annandale (eds.) *Palgrave Handbook of Gender and Healthcare*.

**2010.** 'The Power of Ritual in Marriage: A Daughter's Wedding in North-West India', in Brosius, C. and Husken, U. (eds.) *Ritual Matters*. New Delhi: Routledge.

**2010.** 'The Fit between Traditional Fertility and Sterilisation: A study of negotiations in rural India', in Mishra, A. (ed.) *Health, Illness and Medicine: Ethnographic Readings*. New Delhi: Orient Blackswan, pp. 126-154.

**Ray, R. 2010.** 'The Appeal of Naxalism', in *Social Action*, March.

**2010.** *In the European Shadow*, Yash Publishers.

**Nandini, S. 2010.** 'Popular Culture, Gender and Sexuality: Essays in honour of Patricia Uberoi'. Special Issue of *Contributions to Indian Sociology* 44 (1 & 2), (edited with Deshpande, S. and Baviskar, A.).

'Interning Insurgent Populations: The Buried Histories of Indian Democracy'. *Economic and Political Weekly*, February 5, 2011, XLVI No.6, pp. 47-57.

'Educating for Inequality: The Experiences of India's 'Indigenous' Citizens'. *Asian Anthropology*, Vol.9, September 2010, pp. 117-142.

'Civil Society and Democratic Change'. In Mia Meelin and Heidi Moksnes (ed.) *Power to the People? (Con-)Tested Civil Society in Search of Democracy, Outlook on Civil Society*, No. 1, pp. 41-56, Centre for Sustainable Development, Uppsala University, 2010.

2011. 'At War with Oneself: Constructing Naxalism as India's Biggest Security Threat'. In Michael Kugelman (ed.) *India's Contemporary Security Challenges*, Washington, DC: Woodrow Wilson International Center for Scholars.

**Thapan, M. 2010.** 'Contested Spaces'. *Citizenship and Belonging in Contemporary Times*. (edited). Delhi: Orient Blackswan.

'Why do I not belong? The Struggle for Integration across Barriers of Race and Language in a Canadian School'. In Thapan, M. (ed.) *Contested Spaces. Citizenship and Belonging in Contemporary Times*. Delhi: Orient Blackswan.

(with Valerie Raoul) 'Introduction: The Dynamics of Citizenship and Belonging'. In Thapan, M. (ed.) *Contested Spaces. Citizenship and Belonging in Contemporary Times*. Delhi: Orient Blackswan, 2010.

'Imagining Citizenship: Being Muslim, Becoming Citizens in Ahmedabad'. *Economic and Political Weekly of India*. 2010 (January 16) Vol. XLV, No.3: 45-50.

**Vasan, S. 2010.** 'Institutionalizing Forest Research in India: The Forest Research Institute, Dehradun'. In Dasgupta, U. (ed.) *Science and Modern India: An Institutional History*. Delhi: Pearson Longman.

**Xaxa, Virginius, 2010.** 'Tribal Identities and Cultural Changes: Aspects of Exclusion and Inclusion'. In Chattopadhyaya, D.P. (General Editor.), *History of Sciences, Philosophy and Culture in Indian Civilization*, Vol. XIV, Part 2 (Social Sciences: Communication, Anthropology and Sociology (ed.)), Singh, Y. Pearson Longman.

**2010.** 'Tribes', Tradition and State'. In IIAS, *International Institute of Asian Studies*, Newsletter, No. 53.

**2010.** 'Social Inequality and Peasantry: The Evolving Trajectory'. In Oommen, T.K. (ed.), *Classes, Citizenship and Inequality: Emerging Perspectives*, Pearson Education, New Delhi.

## SOCIAL WORK

### Major Activities

During its illustrious past the Department has promoted practice-based research and currently has 10 research projects. The department has been ranked 2<sup>nd</sup> amongst the top 15 professional colleges for Social Work in the country in a survey conducted by Outlook GFK Mode for two consecutive years—2009 and 2010. Our faculty members are engaged in a number of research projects being undertaken with financial support from the Delhi Government, Ministry of Social Justice and Empowerment, THDC, Planning Commission, NACO, R&D division of the University of Delhi, and many others. We will complete our first batch of students under the semester based curriculum. Based on our experience of these initial two years, we will also be revising our syllabus to make it more meaningful to the constantly evolving needs of our students and the dynamic context in which we live. The department was able to bring out two important publications – one as an outcome of a research project supported by UNIFEM and the other with the support of the ASHISH-UGC programme. We continued with an academically fruitful exchange of colleagues and practitioners both from within and outside the country.

### Research Schemes

<i>Title</i>	<i>Principal Investigators</i>	<i>Sponsoring Organization</i>
In Search of Justice (An evaluation Study of the Scheme of Grant in Aid to Voluntary Organisations working for the welfare of SCs and OBCs).	Prof. Sanjai Bhatt	Ministry of Social Justice and Empowerment, Govt. of India
Transforming Tehri: A Study of Needs and Capacity Assessment of Villages in Uttarakhand.	Dr. A. Malathi	Tehri Hydro Development Corporation Ltd.
Corporate Social Responsibility in India, Identifying Linkages between Theory and Practice.	Dr. Seema Sharma	R & D and DU
A National Evaluation Study of Indira Awaas Yojana.	Dr. A Shahin Sultana	Planning Commission, Govt. of India
Developing Strategies for Promoting successful Inclusion of Children with Disability.	Prof. Sushma Batra	Rehabilitation Council of India
Input Assessment Study: Girls Education Programme.	Dr. Neera Agnimitra	Room to Read India Trust



Due Diligence Report Women Exemplary Award.	Dr. Manoj Jha	Confederation of Indian Industries
Community Needs Assessment & Community Development: Baseline Study.	Dr. Manoj Jha	Moser Baer Projects Private Limited
Christians of Scheduled Caste Origin in India: A Study of their Socio-Economic, Cultural and Political Status.	Ms. Rekha Dutt	Centre for Dalit/ Subaltern Studies
National Study of Muslim Young Women in India.	Ms. Ghazala Jamil	Bhartiya Muslim Mahila Andolan and Action Aid India.

### **Appointments of Faculty members to higher Posts/Assignments**

**Dr. A. Shahin Sultana:** Got an assignment as Associate Professor at Pondicherry University and granted EOL for one year.

### **Honours/Distinctions**

**Ms. N. Guite:** Awarded the University of Hong Kong Young Scholar Award for Outstanding Abstract in the 2010 Joint World Conference on 'Social Work and Social Development: The Agenda', Hong Kong Convention and Exhibition Centre, Hong Kong Special Administrative Region, China, 10-14 June 2010.

### **Seminars/Conferences attended**

**Prof. Sanjai Bhatt:** 'Impact of Social work practice on Social policy and Legislation: Are we in or out?' Presentation as invited speakers in National Seminar on Social work practice towards Ethical Social responsibility in the Era of Global Diversity and Equity: A Challenge or opportunity organized by Karnatak Association of Professional Social Workers, Bengaluru and Department of Social work, Bengaluru University, 12-13 August 2010.

'Reform and Development: Perspective, Performance and Prospects' delivered a lecture as Invited Speaker at 'International Conference on Relevance of Policy Reforms on Development: Challenges before Emerging Economies', organized by Department of Social Work, Jamia Millia Islamia, New Delhi, 24-26 February 2011.

**Dr. Pamela Singla:** Participated in '3rd International Conference on Women's Safety: Building Inclusive Cities', organized by Jagori and Women in Cities International, India Habitat Centre, New Delhi, 22-24 November 2010.

Presented paper '*Capacitating Poor Women: The Indian Way*' at 'International Symposium on Poverty Alleviation Strategies', organized by Republic of Turkey Prime Ministry General Directorate of Social Assistance and Solidarity, Istanbul, Turkey, 13-15 October 2010.



**Dr. P. Singla, and Dr. A. Kaasch:** 'From Tittmuss to Andersen: A Comparative Analysis of the Swedish and Indian Welfare States', Way' paper presented at 'International Conference on Relevance of Policy Reforms on Development: Challenges before Emerging Economies', organized by Department of Social Work, Jamia Millia Islamia, New Delhi, 24-26 February 2011.

**Dr. Neera Agnimitra:** Panelist: 'Whose Education is it Anyway?' Katha Joy of Reading Workshop, India International Centre, New Delhi, 4 September 2010.

**Dr. Archana Kaushik:** Presented paper on 'Elderly Women Amidst Poverty: Issues and Challenges at the International Conference on Public Policy Reforms on Development: Challenges before Emerging Economies' at Jamia Millia Islamia University, New Delhi, 24-26 March 2011.

Poster presentation on 'Significance of Development for Rural Poor: A case study from Orissa' at the International Conference on Public Policy Reforms on Development: Challenges before Emerging Economies, at Jamia Millia Islamia University, New Delhi, 24-26 March 2011.

Presented paper on 'Effectiveness of Condom Promotion as a Risk Reduction Strategy among High Risk Population Groups' at the 7th Annual National Conference on Social Work Response to HIV/AIDS, Marian College, Kuttikanam, Kerala, 19-22 August 2010.

**Dr. A. Malathi:** Participated in the Northern Regional Consultation on City makers Caravan organized by Indo-Global Social Service Society, Shimla, 3-4 June 2010.

Participated in the National Seminar on Inclusive Social Development: An Interdisciplinary Perspective at B.R. Ambedkar College, Delhi University, New Delhi, 4 February 2011.

Participated in the International Conference on Policy Reforms on Development: Challenges for Emerging Economies organized by Department of Social Work, Jamia Millia Islamia, 24-26 February 2011.

**Dr. Seema Sharma:** Paper presentation in International Seminar 'Corporate Social Responsibility in an emerging economy: Issues in Development Debate' organised by Department of Social Work, Jamia Milia Islamia, 24-26 February 2011.

**Dr. N. Guite:** Poster presentation titled, 'Social Work Concern in the Globalization Era: The Example of Tribal Indigenous Medicine in India', in the 2010 Joint World Conference on Social Work and Social Development: The Agenda, in Hong Kong Convention and Exhibition Centre, Hong Kong Special Administrative Region, China, 10-14 June 2010.

Paper presentation on 'Indigenous Medicinal Substances and Health Care: Economic Viability and Sustainability', in International Conference on Demography, Culture and Marketing, Xavier Institute of Management, Bhubaneshwar, Orissa, 14-16 December 2010.

Paper on 'International Protocol on Biodiversity: Health Impact and Concerns in Manipur', in the Eight Conference of the Indian Association for Social Sciences and Health under the

theme 'Health, Environment and Sustainable Development', organised by the Department of Population Studies and Social Work, Sri Venkateswara University, Tirupati, Andhra Pradesh, 11-13 February 2011.

Paper presentation on 'Primary Health Care and Indigenous Medicine: An Overview', in International Conference on Relevance of Policy Reforms on Development: Challenges before Emerging Economies, Department of Social Work, Jamia Milia Islamia University, New Delhi, 24-26 February 2011.

**Ms. Shashi Rani:** Attended a Workshop on 'State Trainers TOT Programme on counselling of High Risk Group in HIV/AIDS' organized by NACO at IDSA, New Delhi, 8-11 June 2010.

Attended a Workshop 'Healthcare Reforms and Rationing of Services in India: Ethical Issues and Challenges' organized by Centre for Women's Development Studies at the National Bioethics Conference, All India Institute of Medical Sciences (AIIMS), New Delhi, 3-17 November 2010.

Attended Workshop 'Inclusive Development with Dignity-Police Reforms' organized by Foundation for Restoration of National Values and NACDOR, at Viswa Yuvak Kendra, Chankyapuri, New Delhi, 4 December 2010.

#### **Publications:**

**Prof. Sushma Batra:** 'Care of the older persons in a Metropolis – A Multilateral Approach' by Prof. Sushma Batra and Dr. Neera Agnimitra in *Helpage India Research and Development Journal*, Vol. 16, No. 2 May 2010.

Defining Disability: Developmental Milestones and Interventions for Primary Prevention in Learning Community (An International Journal of Educational and Social Development), Vol. 1, No. 2, December 2010.

**Pamela Singla and Alexandra Kaasch. 2011.** '*From Tittmuss to Andersen: A Comparative Analysis of the Swedish and Indian Welfare States*', Anatomy of Public Policy Reforms and Development, by N.U. Khan and P. Sigamani (ed.), New Delhi: MacMillan Publishers India Ltd.

**Dr. Neera Agnimitra:** Care of Older Persons in a Metropolis—A Multilateral Approach (Co-authored article) Research and Development Journal, Volume 16, No. 2, May 2010.

**Dr. A. Shahin Sultana:** 'Scope of Social Work in a School Setting' in Perspectives in Social Work (Vol. No. 25, 1 & 2), College of Social Work, Nirmala Niketan, Mumbai, April and August 2010. (Co-author).

**Dr. Archana Kaushik:** 'Portrayal of the Elderly in Indian Media' *BOLD*, Quarterly Journal of the International Institute on Ageing (United Nations – Malta), 2010 August, Vol. 20, No. 3.

Weaving dreams, living in nightmare: Situation of Banarasi Saree Weaving Sector of Varanasi, article uploaded at [www.mynews.com](http://www.mynews.com) and [www.minorityrightsblogspot.com](http://www.minorityrightsblogspot.com)

'Elderly Women amidst poverty in India: Issues and Challenges', Chapter in Anatomy of Public Policy Reforms and Development, (eds Khan, N.U. and Sigamani, P.). MacMillan Advanced Research Series, New Delhi 2011.

**Dr. A. Malathi:** 'Understanding SHGs in the Light of Social Capital Theorization', *Indian Journal of Social Work*, Vol. 71, Issue 4, October 2010.

**Ms. N. Guite:** Guite Nemthiangai. 2011. 'Primary Health Care and Indigenous Medicine: An Overview', in Sigamani, P. and Khan, N.U. (ed.), *Reinventing Public Management and Development in Emerging Economies*, MacMillan Publishers India Ltd. New Delhi, India.

**Guite N Thian. 2010.** 'International Protocol and Indigenous Knowledge on Medicine and Health care: An Overview', *The Asian Man – An International Journal*, Vol. 4, Issue 1 (January-June).

## FACULTY OF MUSIC AND FINE ARTS

### MUSIC

#### Major Activities

The year 2010-2011 witnessed all round progress and development of the Faculty of Music and Fine Arts both on the academic and cultural front. The growing interest of the society for knowledge of music has resulted in increasing demand for the subject and a greater number of students were enrolled for the course. Valuable contributions were made by the teachers and students in various seminars, lecture demonstrations, music concerts organized by the Department. Students excelled in performances and some were also selected to participate in prestigious music conferences while a few of them have achieved the honour of becoming graded artistes of All India Radio and Doordarshan.

The Department has been surging ahead in research activities as well. For the Ph.D. programme scholars are engaged in technical and scientific studies, critical analyses, in-depth study of practical aspects, comparative and aesthetical study, etc. Our educational programme has attracted students not only from India but even from various parts of the world.

#### Ph.D. Degrees awarded

Ph.D.	-	18
M.Phil.	-	23

#### Appointment of Faculty member to higher Posts/Assignments

**Prof. Najma Perveen Ahmad:** Emeritus Fellow.

### **Honours/Distinctions**

**Prof. Uma Garg:** Awarded Pt. Nikhil Banerjee Award, 2010.

**Dr. Prateek Choudhuri:** Savitri Samman Award and Sangeet Ratna Award.

**Dr. P.B. Kanna Kumar:** Awarded Swara Bharati from Andhra Pradesh as Sangeeta Nipuma.

**Dr. T.V. Manikandan:** Sangeet Kala Bharati Award from Layamadhura Percussive Arts Centre, Toronto, Canada.

### **Seminars/Conferences attended**

**Prof. Anupam Mahajan, Head & Dean delivered a welcome address. 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 Choudhuri, 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, Dr. Hari Kishan Goswami. Shri Jagbandhu Prasad, Ms. Shalini Thakur, Shri Rajpal Singh, Dr. Surendra Nath Soren, Dr. Ananya Kumar Dey, Dr. Hari Kishan Goswami, Dr. Gopal Krishan and Dr. Harish Kumar Tiwari:** Arranged an International Seminar in the Department of Music on the 'Aesthetical Approach to Musical Forms: An Analytical View'.

**Prof. Uma Garg:** Sawai Gandharva Sangeet Sammelan, Pune, December 2010.

**Dr. Prateek Choudhuri:** Radio Sangeet Sammelan, Mumbai, 25 September 2010.

NCERT Programme, Gyan Darshan Chennai.

Sitar Ecstasy and Sitar of India, Patiala University, Punjab.

Pedagogic Concerts from Spic Macay to educate youth.

**Dr. Surendra Nath Soren:** Healing Touch of Musical Notes on Mental stress.

**Dr. P.B. Kanna Kumar:** Upper Primary Stage student syllabus for Classical Music, NCERT.

**Dr. T. V. Manikandan:** Workshop in Rare Composition conducted at Kannur University, Kerala.

### **Publications**

**Mahajan, A.** (ed) Vageeshwari

**Garg, U.** Rag Kalavati recording released on 2010-2011.

**Choudhuri, P.** Relevance of Rare Ragas and Talas in Performance.

**Kumar, P.B. Kanna.** Pootnam Subramany Iyer a Beacon Light among the post-Trinity composers compositions in Karnatic Music.

**Manikandan, T.V.** Lakshana and Lakshya in the compositions of Carnatic Music.

Influence of Karnatak Music Compositions on Hindustani Music and vice versa.

## FACULTY OF MEDICAL SCIENCES ANATOMY (UCMS)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Chromosomal Aberrations in Spontaneous recurrent abortions.	Dr. R. Bhardwaj	IMRG
To study the effects of Monosodium glutamate on histomorphometry of cortex of kidney in adult albino rat.	Dr. S.G. Dixit	ICMR

### New addition

Dr. Sunita Kalra - Reader

### Seminars/Conferences attended

**Dr. V. Bharihoke, Dr. K. Khatri, Dr. A. Kumar, Dr. M. Nagar and Dr. A. Singh:** 58th National Conference of Anatomical Society of India at Padamshree Dr. D.Y. Patil Medical College, Pimpri, Pune, 27-29 December 2010.

### Publications

**Bharihoke, V., Keswani, N.H. and Bijlani, V. 2010.** 'Effect of Denervation of Pineal Gland of Rhesus Monkey'. *J. Anat Soc India*. 75.

**Chauhan, R. 2010.** 'Clinical implications of additional heads of biceps brachii muscle'. *The New Iraqi Journal of Medicine*. 6(1): 18-21.

**Dixit, S.G. and Bharihoke, V. 2010.** 'Regional Anatomy at a glance'. *Pictorial CME. IJMS*; 1(1): 56-61.

**Dixit, S.G. and Kakar, S. 2010.** 'An uncommon variation of Flexor digitorum superficiales. Indicus, a Case Report'. *Anatomical and Clinical relevance Clinical Anatomy*. 23(8): 889-90.

**Kalra, S. and Chauhan, P. 2010.** 'A rare Osseous Growth on Sacrum'. *International Journal of Anatomical Variations*. 3: 218-19.

- Kumar, A., Nagar, M. and Khatri, K. 2010.** Testicular Histomorphometry in Deltamethrin – Treated Rats. 59(1): 64.
- 2010.** Effect of Deltamethrin on testis in rats (A morphological study). 59(1): 53.
- Nagar, M. and Kumar, A. 2010.** ‘A Morphometric Evaluation of the Adult Human Orbital Cavity’. *J. Anat. Soc. India.* 94.
- Nagar, M. and Singh, A. 2010.** ‘An Anthropometric Study of the Humerus in Adults’. *J. Anat. Soc. India.* 96.
- 2010.** ‘An Osteometric Analysis of Adult Human Femurs’. *J. Anat. Soc. India.* 93.
- Ralte, S., Khatri, K. and Nagar, M. 2010.** ‘Effect of Biphosphonate on the histomorphology of the growing long bone in albino rat’. *J. Anat. Soc. India.*
- Singh, A., Khanna, J. and Bharihoke, V. 2010.** A Histomorphometric Study of the trochlear nerve nucleus in the albino rat. 59(1): 53.

## ANATOMY (LHMC)

### New Additions

Dr. Sohinder Kaur

Dr. Preeti Shrivastava

### Seminars/Conferences attended

**Dr. Shipra Paul:** Chaired a scientific session on ‘Dopamine Dysregulation Syndrome’ the 7th International Congress on Mental dysfunctions & Other Non motor Features In Parkinson’s disease & other Related Disorders (MDPD) Barcelona, Spain, December 2010.

Chaired a scientific session entitled ‘Neurosciences’, in the National Conference of Anatomical Society of India at Pune.

**Dr. Anita Tuli:** Chaired a scientific session entitled ‘Gross anatomy’, in the National Conference of Anatomical Society of India at Pune.

**Dr. Shashi Raheja:** Chaired a scientific session entitled ‘Physical anthropometry’, in the National Conference of Anatomical Society of India at Pune.

### Honours/Distinctions

**Dr. Shipra Paul:** Member, Editorial Board of ASI; Member of American Association of Anatomists.

**Dr. Anita Tuli:** Member, Editorial board for online journal ‘Brachial plexus’ and ‘Clinical Anatomy’.

**Dr. Shashi Raheja:** Member, Editorial Advisory Board of Indian Journal of Otology.

### **Seminars/Conferences held**

**Dr. Shipra Paul:** 33rd All India Rhinoplasty Course, 22nd National Endoscopic Sinus.

**Dr. Sneh Agarwal, Dr. Kulwinder Kaur, Dr. Shashi Raheja and Dr. Anita Tuli:** 58th National Conference of Anatomical Society of India at Padamshree Dr. D.Y. Patil Medical College, Pimpri, Pune, 27-29 December 2010.

**Dr. Sneh Agarwal, Dr. Kulwinder Kaur, Dr. Shipra Paul, Dr. Shashi Raheja and Dr. Anita Tuli:** International Conference 'Pharmacovigilance system & rational uses of medicine', LHMC, 26-28 November 2010.

**Dr. Shipra Paul:** 7th International Congress on Mental dysfunctions & Other Non motor Features In Parkinson's disease and Related Disorders MDPD Barcelona, Spain, 9-12 Dec. 2010.

### **Publications**

**Javanward, Z., Kaul, J.M. and Paul, S. 2010.** 'Embryotoxicity Sodium Arsnate in Mouse'. *International Journal of Medical Toxicology & Legal Medicine*. Vol. 13(4).

**Agarwal, S. 2010.** 'Simple tools for teaching gross anatomy to undergraduate medical students'. *Anatomical Sciences Education*; 3(5): 276.

**Agarwal, S., Tuli, A. and Raheja, S. 2011.** 'Communication between median and musculocutaneous nerves in the forearm looking around the origin of median artery: a rare variation'. *Anat sci Int PMID* 21451964.

**Kaur, J., Yadav, Y. and Agarwal, S. 2010.** 'Bony Ponticles and Bridges on the Posterior Arch of the Atlas Vertebra: their Phylogeny, Developmental Basis and Clinical Significance'. *International Medical Journal*. 17(3): 229-35.

**Tuli, A. and Raheja, S. 2010.** 'Coauthored a book titled 'Practical Manual of Illustrative Anatomy' published by Jaypee Brothers Medical Publishers Pvt. Ltd.

## **BIOCHEMISTRY (UCMS)**

### **Ph.D. Degree awarded**

Ph.D. - 1

### **Appointments of Faculty members to higher Posts/Assignments**

**Dr. Rafat S. Ahmed and Prof. A.K. Tripathi:** Visiting faculty at School of Environmental Studies, University of Delhi.

**Dr. Rafat S. Ahmed:** External Member, Selection Committee of UGC Meritorious Research Scholarship, Department of Biosciences, Jamia Millia Islamia, New Delhi.

**Prof B.D. Banerjee:** Visiting faculty and co-ordinator in the area of environmental health at School of Environmental Studies, University of Delhi; Executive Member, Indian

Immunology Society; External Member, Board of Postgraduate studies in Biochemistry, North- Eastern Hill University, Shillong; External Member, Department of Toxicology and Medical Elementology, Hamdard University, New Delhi.

**Prof. J.K. Gambhir:** Member, National Executive of Association of Clinical Biochemists of India, 2010-2011.

**Prof. S.B. Sharma:** Vice-President, Indian Society for Atherosclerosis Research; Referee Research Paper Indian Journal of Medical Research, New Delhi; Medical Principles and Practice, Kuwait; Current Pharmaceutical design, Spain; Indian journal of Biochemistry and Biophysics, New Delhi; Referee Research Project Indian Council of Medical Research.

### **Honours/Distinctions**

**Dr. S. Sen:** Consolation prize for 'Best Oral Presentation' for paper entitled 'Oral mucosal epithelial cells as potential autografts in bilateral ocular surface disease', International Conference on Stem Cells and Cancer organized by School of Biotechnology, International Institute of Information Technology, Pune, 11-14 December 2010.

**Prof. S.B. Sharma:** Awarded Kurup Oration Award in 23rd Annual Conference of Indian Society for Atherosclerosis Research & International Symposium on Atherosclerosis from Bench to Beside at UCMS, 13-14 November 2010.

**Dr. M. Mehndiratta:** Member, Organizing committee in the 23rd Annual Conference of the Indian Society for Atherosclerosis Research, International Symposium on Atherosclerosis from bench to bedside, ISARCON 2010, at UCMS, 13-14 November 2010.

### **Seminars/Conferences attended**

**Prof. B.D. Banerjee:** Chaired and invited speaker 'Neurotoxicity and Neuroprotection by herbal extracts' at 30th Annual Conference of Society of Toxicology (India) 2010, Jamia Hamdard, New Delhi, 9-11 December 2010.

Chaired and invited speaker 37th Annual Conference of Indian Immunology Society, University of Jammu, Srinagar, 7-9 February 2011.

**Prof. J.K. Gambhir:** Presented a paper on 'Antihyperglycemic effect of the aqueous extract of fruit of *Withania coagulans* in streptozotocin induced mild and severe diabetic rats' in 37th Annual Conference of ACBI at Seth GS Medical College and KEM Hospital, Mumbai, 11-15 December 2010.

**Prof. A.K. Tripathi:** Invited speaker at 30th Annual Conference of Society of Toxicology (India) 2010, Jamia Hamdard, New Delhi, 9-11 December 2010.

Invited speaker at 37th Annual Conference of Indian Immunology Society, University of Jammu, Srinagar, 7-9 February 2011.



**Dr. M. Mehndiratta and Dr. R. Kar:** 6th Thalassemia Conference by National Thalassemia Welfare Society and Department of Hematology, AIIMS, New Delhi, 21-22 November 2010.

**Dr. M. Mehndiratta:** National Workshop on Molecular Cytogenetics: Cancer Cytogenetics (Hematological Malignancy) by FISH, AIIMS, New Delhi, 29 November -1 Dec. 2010.

**Prof. D. Puri:** 18th Annual National Conference of the Association of Medical Biochemists of India, 12-14 November 2010.

**Dr. S. Sen:** Presented a poster entitled 'Curcumin induces DNA damage and anti-oxidant protein in squamous cell lung carcinoma in vitro to facilitate its cancer chemotherapeutic activity' at International Conference on Stem Cells and Cancer organized by School of Biotechnology, International Institute of Information Technology, Pune, 11-14 Dec. 2010.

**Dr. S. Sen, Prof. R. Shukla, Dr. R. Kar, Prof. S.B. Sharma, Dr. S. Garg and Dr. Archana Singh:** Participated International Symposium on Atherosclerosis from Bench to Bedside and 23rd Annual Conference of ISAR, UCMS & GTB Hospital, 13-14 November 2010.

**Prof. A.K. Tripathi:** 30th Annual Conference of Society of Toxicology (India) 2010, Jamia Hamdard, New Delhi, 9-11 December 2010.

37th Annual Conference of Indian Immunology Society, University of Jammu, Srinagar, 7-9 February 2011.

## **Publications**

### *Book*

**Puri, D. 2011.** (3rd ed.). Text book of Medical Biochemistry, Elsevier, Gurgaon.

### *Research Articles*

**Pathak, R., Mustafa, M.D., Ahmed, R.S., Tripathi, A.K., Guleria, K. and Banerjee, B.D. 2010.** Association between recurrent miscarriages and blood organochlorine pesticide levels. *Clin. Biochem.* 43: 131-5.

**Pathak, R., Suke, S.G., Ahmed, T., Ahmed, R.S., Tripathi, A.K., Guleria, K., Sharma, C.S., Makhijani, S.D. and Banerjee, B.D. 2010.** 'Organochlorine pesticide residue levels and oxidative stress in preterm delivery cases', *Hum. Exp. Toxicol.* 29: 351-8.

**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'. *Environ. Toxicol. Pharmacol.* 29: 126-30.

**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. Biochem. Biophys.* 47: 117-20.

- 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. Biophys.* 47: 100-03.
- Mustafa, M.D., Pathak, R., Tripathi, A.K., Ahmed, R.S., Guleria, K. and Banerjee, B.D. 2010.** 'Association of glutathione S-transferase M1 and T1 gene polymorphisms and oxidative stress markers in preterm labor'. *Clin. Biochem.* 43: 1124-1128.
- Kumar, V., Yadav, C.S., Singh, S., Goel, S., Ahmed, R.S., Gupta, S., Grover, R.K., Banerjee, B.D. 2010.** 'CYP 1A1 polymorphism and organochlorine pesticides levels in the etiology of prostate cancer'. *Chemosphere*, 81: 464-68.
- Ahmed, T., Tripathi, A.K., Ahmed, R.S., Das, S. and Banerjee, B.D. 2010.** 'Assessment of Phosphamidon-induced apoptosis in human peripheral blood mononuclear cells (PBMC): Protective effects of N-acetylcysteine and curcumin'. *J. Biochem. Mol. Toxicol.* 24: 286-92.
- Mustafa, M.D., Pathak, R., Tripathi, A.K., Ahmed, R.S., Guleria, K., Banerjee, B.D. 2010.** 'Maternal and cord blood levels of Aldrin and Dieldrin in North Indian Population'. *Environ. Monit. Assess.* 171: 633-38.
- Datta, S., Kumar, V., Pathak, R., Ahmed, R.S., Tripathi, A.K., Kalra, O.P. and Banerjee, B.D. 2010.** 'Association of glutathione S-transferase M1 and T1 gene polymorphism with oxidative stress in diabetic and non-diabetic chronic kidney disease'. *Renal Failure*, 32: 1189-1195.
- Jain, S., Mythily, S., Yadav, C.S., Ahmed, R.S., Arora, V.K., Tripathi, A.K. and Banerjee, B.D. 2010.** 'Induction of Oxidative stress and Histopathological alterations by Triazophos at Sub-chronic doses'. *Indian J. Biochem. Biophys.* 47: 388-92.
- Jain, S., Ahmed, R.S., Arora, V.K. and Banerjee, B.D. 2011.** 'Biochemical and Histopathological studies to assess chronic toxicity of Triazophos in blood, liver and brain tissues of rats'. *Pesticide Biochem Biophysics*, 100: 182-86.
- Ahmed, T., Pathak, R., Mustafa, M.D., Tripathi, A.K., Ahmed, R.S., Das, S. and Banerjee, B.D. 2011.** 'Ameliorating effect of N-acetylcysteine and curcumin on pesticide-induced oxidative DNA damage in human peripheral blood mononuclear cells'. *Environ. Monit. Assess.* [Epub ahead of print].
- Yadav, C.S., Bajpai, M., Kumar, V., Ahmed, R.S., Gupta, P., Banerjee, B.D. 2011.** 'Polymorphism in CYP1A1, GSTM1, GSTT1 genes and organochlorine pesticides in the etiology of hypospadias'. *Hum. Exp. Toxicol.* [Epub ahead of print].
- Pathak, R., Mustafa, M.D., Ahmed, R.S., Tripathi, A.K., Guleria, K. and Banerjee, B.D. 2011.** 'Intra uterine growth retardation: Association with organochlorine pesticide residue levels and oxidative stress markers'. *Reprod. Toxicol.* [Epub ahead of print].

- Dikshit, P., Shukla, K., Tyagi, M.K., Gambhir, J.K. and Shukla, R. 2011.** 'Antidiabetic potential of stem juice of *Musa x sapientum* linn (syn. *Musa x paradisiaca* linn.) in streptozotocin diabetic rats'. *Diab Vasc Dis Res.* 8: 49 (Abstract).
- 2010.** Hypocholesterolemic effect of central stem of *Musa sapientum* Linn. Published in proceedings of 23rd Annual Conference of Indian Society for Atherosclerosis Research. 74.(Abstract)
- Dikshit, P., Shukla, R., Tyagi, M.K., Shukla, K., Gambhir, J.K. 2010.** 'Hepatoprotective effect of *Musa sapientum* linn in rats intoxicated with carbon tetrachloride'. *Indian J. Clin Biochem*, 25: 44 (Abstract).
- Shukla, K., Dikshit, P., Shukla, R., Gambhir, J.K. 2010.** Hypolipidemic effect of aqueous extract of *Withania coagulans* in cholesterol fed hypercholesterolemic rats. Published in proceedings of 23rd Annual Conference of Indian Society for Atherosclerosis Research. 84. (Abstract).
- Shukla, K., Dikshit, P., Tyagi, M.K., Shukla, R., Gambhir, J.K. 2010.** 'Antihyperglycemic effect of the aqueous extract of fruit of *Withania coagulans* in streptozotocin induced mild and severe diabetic rats'. *Indian J. Clin Biochem.* 25: 32 (Abstract).
- Shukla, K., Dikshit, P., Tyagi, M.K., Shukla, R., Gambhir, J.K. 2010.** 'Antihyperglycemic effect of the aqueous extract of fruit of *Withania coagulans* in streptozotocin induced mild and severe diabetic rats'. *Indian J. Clin Biochem*, 25: 32(abstract).
- Singh, P., Poonam, P., Krishna, S., Tyagi, T.K., Priya, N., Bansal, S., Scumaci, D., Gaspri, M., Cuda, G., Joshi, P., Gambhir, J.K., Saluja, D., Prasad, A.K., Saso, L., Rastogi, R.C., Parmar, V.S., Raj, H.G. 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.
- Dikshit, P., Tyagi, M.K., Shukla, K., Sharma, S., Gambhir, J.K. and Shukla, R. 2011.** 'Hepatoprotective effect of stem of *Musa sapientum* Linn in rats intoxicated with carbon tetrachloride'. *Ann Hepatol.*10: 333-39.
- Palanichamy, J.K., Mehndiratta, M., Bhagat, M., Ramalingam, P., Das, B., Das, P., Sinha, S. and Chattopadhyay, P. 2010.** 'Silencing of integrated human papillomavirus-16 oncogenes by small interfering RNA-mediated heterochromatinization'. *Mol Cancer Ther.* 9: 2114-22.
- Gupta, S., Sharma, S.B., Singh, U.R., Bansal, S.K., Prabhu, K.M. 2010.** 'Elucidation of Mechanism of Action of *Cassia auriculata* Leaf Extract for its Antidiabetic Activity in Streptozotocin-Induced Diabetic Rats'. *Journal of Medicinal Food*, June 13, 528-34.
- Sharma, S.B., Gupta, S., Rini, A.C., Singh, U.R., Rajpoot, R. and Shukla, S. 2010.** 'Antidiabetogenic action of *Morus rubra* L. leaf extract in streptozotocin-induced diabetic rats'. *Journal of Pharmacy and Pharmacology*; 67: 247-55.

**Sharma, S.B., Tanwar, R.S., Rini, A.C., Singh, U.R., Gupta, S. and Shukla, S.K. 2010.** 'Protective effect of *Morus rubra* L. leaf extract on diet induced atherosclerosis in diabetic rats'. *Indian Journal of Biochemistry and Biophysics*, 47: 26-31.

**Shukla, S.K., Gupta, S., Ojha, S.K. and Sharma, S.B. 2010.** 'Cardiovascular friendly natural products: A promising approach in the management of CVD'. *Natural Product Research*, 24: 873-98.

**Tanwar, R.S., Sharma, S.B., Singh, U.R., Prabhu, K.M. 2010.** 'Attenuation of renal dysfunction by herbal compound isolated from *Eugenia jambolana* in streptozotocin induced diabetic rats'. *Indian Journal of Biochemistry and Biophysics*; 47: 83-9.

**Chawla, T., Sharma, D. and Singh, A. 2010.** 'Role of the renin angiotensin system in diabetic nephropathy'. *World J. Diabetes*. 1: 141-45.

**Sharma, D., Goyal, P., Singh, A., Shubha, S., Trivedi and Bhattacharjee, J. 2010.** 'Intergenotypic variation of oxidative stress marker of eNOS (Glu298Asp) gene polymorphism in preeclampsia'. *Anatolian Journal of Obstetrics & Gynecology*, 3: ISSN 1308-8254.

**Sharma, D., Singh, A., Trivedi, S.S. and Bhattacharjee, J. 2011.** 'Intergenotypic Variation of Nitric Oxide and Inflammatory Markers in Preeclampsia in North Indian Population'. *Hum Immunol*. 72 : 436-39.

**2010.** 'Role of Endothelin and Inflammatory Cytokines in Pre-eclampsia - A Pilot North Indian Study'. *Am J. Reprod Immunol*. 65: 428-32.

## COMMUNITY MEDICINE (UCMS)

### Ph.D. Degree awarded

Ph.D. - 1

### Appointments of Faculty members to higher Posts/Assignments

**Dr. A.T. Kannan:** ICMR Expert Committee member; Assessor, Medical Council of India.

**Dr. S.K. Bhasin, Dr. A.K. Sharma and Dr. K. Aggarwal:** Assessor, Medical Council of India.

**Dr. O.P. Rajoura:** Member, Scientific Programme Committee of '4th National Conference on Health Impacts of Polluted Environment: Assessment & Solutions', India International Center, New Delhi, 25-26 February 2011.

### Honours/Distinctions

**Dr. S. Chaturvedi:** Member, WHO-India Expert Advisory Group (IEAG) on Polio; Member, IDRC Eco Health Research Core Group, Member, Planning Core Group to

establish Centre of Excellence for Research on Health & Population Policies at Centre for Policy Research; Member, Scientific Review Committee of National Institute of Health and Family Welfare; Member, McGill University, Canada-ICMR collaboration on 'Foundational Work for a Brain-to-Society Diagnostics for Prevention of Childhood Obesity and its Chronic Diseases Consequences'; Member-Advisory Committee, MPH program at IGNOU in collaboration with Harvard School of Public health; Johns Hopkins Bloomberg School of Public Health; Tulane School of Public Health and Tropical medicine.

**Dr. A.T. Kannan:** President, Consortium against Rabies.

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

**Dr. K. Agarwal, Dr. P. Chhabra and Dr. M. Upadhyay:** 55th Annual Conference of the Indian Public Health Association at Belgaum, 28-30 January 2011.

**Dr. S.K. Bhasin:** Conference on 'Micronutrient fortification of foods: Science, application and management', International Life Sciences Institute, India, Hotel Le Meridien, New Delhi, 4-5 Feb. 2011.

**Dr. S. Chaturvedi:** Resource Person: University College London witness Seminar on maternal mortality, New Delhi, 7 April 2010.

IDRC Workshop on multi-country research on environmental change, transforming livelihoods and disease emergence in South Asia, Kathmandu, 29 November - 2 December 2010.

Speaker National Dissemination Workshop 'Determinants of Under-nutrition in Under Five Children: A Six State Study', New Delhi, 13 September 2010.

Chair Neonatal care, Symposium on evidence to action for reducing maternal and newborn mortality and morbidity. AIIMS, New Delhi, 30 December 2010.

Annual Conference of Indian Public Health Association, Belgaum, 29 January 2011.

**Dr. P. Chhabra, Dr. O.P. Rajoura and Dr. A.M. Khan:** 12th Annual Conference of Association for Prevention and Control of Rabies in India, at India Habitat Centre, New Delhi, 3-4 July 2010.

**Dr. A.M. Khan:** Presented a research paper titled 'A study of infant & young child feeding practices among mothers attending immunization clinic in East Delhi', 55th Annual Conference of the Indian Public Health Association at Belgaum, 28-30 January 2011.

Zonal Task Force Workshop for involvement of Medical colleges in RNTCP, held at Himalayan Institute of Medical Sciences, Dehradun, Uttarakhand, 8-9 November 2010.

**Dr. O.P. Rajoura:** Attended Conference and 'Technical session chaired, on Environmental Health and Technology' in 4th National Conference on Health Impacts of Polluted Environment Assessment & Solutions, India International Center, New Delhi, 25-26 Feb. 2011.

**Dr. M. Upadhyay:** Presented a research paper titled 'Assessment of a Secondary Level Hospital in Rural Delhi as per the Indian Public Health Standards for a 200 Bedded Hospital' International Conference on Health Systems Strengthening at Chennai, 6-10 May 2010.

## Publications

**Sharma, A.K., Singh, S., Meena, S. and Kannan, A.T. 2010.** 'Impact of NGO Run Mid Day Meal Program on Nutrition Status and Growth of Primary School Children'. *Indian J. Pediatrics*; 77: 763-70.

**Bhasin, S.K., Roy, R., Aggarwal, S. and Sharma, R. 2011.** 'An epidemiological study of major surgical procedures in an urban population of East Delhi'. *Indian Journal of Surgery*. 73(2): 131-5.

**2011.** 'An epidemiological study of major surgical procedures in an urban population of East Delhi'. *Indian J. Surg*; 2: 131-35.

**Kansal, R., Maroof, K.A., Bansal, R. and Parashar, P. 2010.** 'A Hospital-based Study on Knowledge, Attitude and Practice of Pregnant Women on Gender Preference, Prenatal Sex Determination and Female Feticide'. *Indian J. Public Health*. 54(4): 209-12.

**Gupta, N., Sharma, A. and Singh, P.P. 2010.** 'Generating an Evidence Base for Information, Education and Communication Needs of the Community Regarding Deafness: A Qualitative Study'. *Indian J. Community Medicine*; 35(3): 420-23.

**Sharma, R., Grover, V.L. and Chaturvedi, S. 2010.** 'Tobacco use among adolescent students and the influence of role models'. *Indian J. Commun Med.*; 35: 272-5.

**Singh, S., Chaturvedi, S., Kumar, A. and Kannan, A.T. 2010.** 'Impact of health education and condom distribution on incidence of RTI/STI among the newly married urban poor women in Delhi'. *J. Commun Dis.*; 42: 53-61.

**2010.** 'Reproductive health of newly married women residing in a resettlement colony of Delhi: A longitudinal study'. *Indian J. Public Health*. 54: 30-2.

**Takaro, T.K., Davis, D. and Van Rensburg SJ, et al. 2010.** 'Scientists appeal to Quebec Premier Charest to stop exporting asbestos to the developing world'. *Int. J. Occup Environ Health*. 16: 241-8.

## COMMUNITY MEDICINE (MAMC)

### New Additions

Dr. Pragya Sharma - Asstt. Professor

### Appointments of Faculty members to higher Posts/Assignments

**Dr. G.K. Ingle:** UGC Inspection of Symbiosis International University Pune; Editorial board member of Journal of the Scientific Society; Member, Counsellor for PGDGM, PGDMCH, FHM.

**Dr. V.K. Gupta:** Advisor, UPSC, New Delhi.

**Dr. G.S. Meena:** Reviewer of Projects for Non Communicable Diseases submitted to ICMR; Expert Committee Member ICMR Outbreak of cases of blindness due to Anophthalmia/ Microphthalmus in selected Districts of Bihar; Scientific Advisory Committee Member (SAC) ICMR; Expert Member of Task-force committee ICMR; Member, Editorial Advisory Board for an International Journal: Indian Journal of Public Research & Development.

**Dr. D.K. Taneja:** Vice President, Indian Public Health Association; Convener IPHA Sub Committee on Immunization; Member Editorial Board, Indian Journal of Community Medicine; Member, Editorial Board, Health and population perspectives, NIHFW.

**Dr. Nandini Sharma:** Chairperson of the State Task Force for Implementation of RNTCP in Medical Colleges Delhi.

**Dr. S.V. Singh:** Advisor Center for enquiry; Team Member State team of HIV Sentinel Surveillance for Delhi; State Epidemiologist of Delhi state for HIV/AIDS Sentinel Surveillance 2010.

**Dr. Panna Lal:** District Rapid Response Team for Investigation and Containment of the disease under IDSP, constituted by IDSP, DHS, Govt. of NCT, Delhi; Interview Committee for selection of Junior Research Fellow to work in the research project 'Field trial of Magnivisualizer for detection of early precancer lesions of oral cavity amongst chronic tobacco users' in ICPO (ICMR) Noida, 26 May 2010.

**Dr. M.M. Singh:** Member, Ethical Committee for research projects of Department of Anthropology, Delhi University; Member, Ethical Committee for research projects of New Delhi Tuberculosis Center, New Delhi.

**Dr. Jugal Kishore:** Member, Selection Committee for National Consultants Policy and State Coordinator and State Consultants on National Tobacco Control Program; Member, Expert Committee deliberating on Revision of Indian Public Health Standards of Ministry of Health & Family Welfare; Member, WHO Collaborating Center for Research and training in Mental Health, Lille, France;

**Dr. Bratati Banerjee:** Member, Counseling Committee, for PG Counseling 2010. Nodal Officer, Regional STI Centre, MAMC, under NACO.

**Dr. Rajesh Kumar:** Member of State Sentinel Surveillance Team for HIV for Delhi; Counselor for All India CBSE counseling for MBBS seats; Counselor for All India CBSE counseling for Post-graduate seats.

**Renuka Saha:** Expert Member, OR Project of TB at NDTB centre New Delhi; Expert Member, Research Project of MPT (Musculoskeletal) Students at Banarasidas Chandiwala Institute of Physiotherapy, New Delhi.

#### **Seminar/Conference held**

**Dr. G.K. Ingle:** Co-organiser of the Conference on Management of air, water, noise, solid waste during commonwealth games.



## **Seminars/Conferences attended**

**Dr. Jugal Kishore:** Attended International Conference on Health Promotion, Switzerland, 12 July 2010.

**Dr. G.K. Ingle:** Chaired Harcharansingh oration in the 54th National IPHA Conference at Ranchi.

**Renuka Saha:** Attended the 28th Annual Conference of ISMS at NIHFWS, New Delhi, 11-13 November 2010.

## **Publications**

### *Books*

**Taneja, D.K. 2011.** Written and published 9th edition of the book titled, '*Health Policies and Programme in India*', Doctors Publications.

**Sinha, P., Taneja, D.K. and Singh, N.P. 2010.** Written and published the book 'Seasonal variation of blood Pressure'. Labert. Academic Publishing GmbH & Co. KG, Germany.

**Singh, S.V., Ingle, G.K., Gupta, V.K. and Mamta** Written '*Garbhvati Mahila Tatha Shishu Ki Dekhbhal*' (in Hindi).

**Kishore, J.** 8th edn of the book titled, 'National Health Programs of India: National Policies and Legislation related to health, Meena, G.S. has contributed chapters to this book. New Delhi: Century Publications.

Practical and Viva: Community Medicine. (1st ed.) 2010, New Delhi: Century Publications.

**Anand, T., Kishore, J., Ingle, G.K., Meena, G.S. and Yadav, S. 2010.** Health Adolescence. Department of Community Medicine Maulana Azad Medical College, New Delhi.

STM Journal 'Journal of Nursing Science and Practice' 2010.

Modules of 'Health Promotion' Course of National Institute of Health & Family Welfare, New Delhi.

Modules on 'National Health Programs of India' PGCHFWM Course of National Institute of Health & Family Welfare, New Delhi.

### *Research Articles*

**Deep, A., Ingle, G.K. and Kishore, J. 2010.** 'Benign Prostatic Hyperplasia: Health Seeking Behaviour of Patients at a Tertiary Care Hospital', *AMJ*; 1(3): 213-16.

**Garg, S. and Laskar, A.R.** 'Community based monitoring: key to success of national health programme'. *IJCM*, 35 (2): 214-16.



- Singh, M.M., Garg, S., Nath, A. and Gupta, V.K.** An Assessment of felt needs and expectations of people living with HIV/AIDS seeking treatment at NGOs in Delhi, Vol. 20, No. 10.
- Sinha, P., Taneja, D.K., Singh, N.P. and Saha, R. 2010.** 'Seasonal Variation of Blood Pressure in Normotensive Females Aged 18 to 40 Years in an Urban Slum of Delhi, India'. *Asia Pac J. Public Health*, 22(1): 134-45.
- Sinha, P., Singh, N.P., Taneja, D.K. and Saha, R. 2010.** 'Does Blood Pressure Variability Affect the Summer Associated Symptoms amongst Females?' *JAPI*; 58: 225-28.
- Kotwal, A. and Taneja, D.K. 2010.** 'Health Care Workers and Universal Precautions: Perceptions and determinants of non-compliance', *IJCM*; 35(4): 526-28.
- Laskar, A.R., Gupta, V.K., Kumar, D., Sharma, N. and Singh, M.M. 2010.** 'Psychosocial disorders among every disabled children and some epidemiological correlates'. *Asia Pacific Disability Rehabilitation Journal*. 21(1): 80-90.
- 2010.** 'An assessment of psychosocial effect and economic burden on parents of children with locomotor disability'. *Ind. J. Pediatr.*; 77(5): 529-33.
- Laskar, A.R., Sharma, N. and Bhagat, N. 2010.** 'Lifestyle disease risk factors: a study of awareness and prevalence in North Indian community in Delhi'. *IJCM*; 35(3): 426-28.
- Sharma, P., Manju, R. and Lal, P. 2010.** 'A Community based Cervical Cancer Screening Program among Women of Delhi using Camp Approach'. *Indian Journal of Community Medicine*, 35(1): 86-8.
- Joshi, P.C., Singh, M.M. and Khattri, P. 2010.** 'Social impact of natural disasters'. *Health for the Millions*; **36: 26-32.**
- Rathi, A. and Kishore, J. 2010.** 'Myths about breast cancer: Need of scientific Knowledge'. *Bulletin of Urmilla Cancer Smarak Trust*; 6: 14-7.
- Kishore, J., Kaur, R. and Ravi Kumar J. 2010.** 'Management of Health Impacts of Natural Disasters in India'. *Annals of IMA AMS* 2010: 65-74.
- Bhatia, N., Kishore, J., Anand, T. and Jiloha, R.C. 2010.** 'Occupational stress among nurses from two tertiary care hospitals in Delhi'. *Australasia Medical Journal*; 3(11): 731-38.
- Anand, T. and Kishore, J. 2010.** 'National Rural Health Mission-Journey so far'. *Health Positive*; 2(4): 7-17.
- Kishore H.R, Singla, R., Kishore, J., Singh, S., Gupta, R.K. and Kar, P. 2010.** 'Suirveillance of hepatitis E virus in sewage and drinking water in a resettlement colony of Delhi: What has been the experience?' *Archive of Virology*; 155(8): 1227-33.

**Anand, T. and Kishore, J. 2010.** 'Adolescents in India: Problems and Solution'. *Health Positive*; 1 (12): 7-17.

**Monika and Kishore, J. 2010.** 'E-waste Management: As a challenge to Public Health in India'. *Ind. J. Com Med*; 35(3): 382-5.

**Luthra, P., Monika and Kishore, J. 2010.** 'Role of Geographical Information System in Public Health'. *Health Positive*; 1(10): 34-40.

**Anand, T. and Kishore, J. 2010.** 'Impact of Darwin on Modern Society'. *Radical Humanist*: 30-2.

**Grewal, I. and Kishore, J. 2010.** 'National Mental Health Program'. *Health Positive*; 1(7): 34-9. Available from <http://healthpositivejournal.com/default.aspx>

## NATIONAL INSTITUTE OF HEALTH AND FAMILY WELFARE

### Honours/Distinctions

**Prof. M.M. Misro:** Received the Labhsetwar Award from the Labhsetwar Foundation, USA, for his work on Population Control at the International Conference on Frontiers in Reproductive Biotechnology in the 21st Annual Meeting of ISSRF, held at Karnal, Haryana, 9 February 2011.

**Prof. T.G. Shrivastav:** Conferred with the Fellowship in Reproduction and Endocrinology (FRE) by the Society for Reproductive Biology and Comparative Endocrinology (SRBCE) in its 29th Annual Meeting at Mysore University, Mysore, Karnataka, 10-12 Feb. 2011.

### Seminars/Conferences attended

**Prof. Deeki Nandan:** Chaired a session on Equity and Social Issues in the Symposium on Reducing Maternal and New Born Mortality and Morbidity, AIIMS, 30 December 2010.

**Dr. Ravi Verma:** Delivered and chaired the keynote address on Alcohol and HIV: Current Knowledge and Research Priorities in the National Conference on HIV/AIDS ICRW on 19 January 2011.

Chaired 55th Annual National Conference of IPHA, organised by the Department of Public Health, KLE University, Belgaum, 28-30 January 2011.

**Dr. M. Bhattacharya, 2010:** Guest lecture on 'Data Triangulation in HIV', 28th Annual Conference of Indian Society of Medical Statistics (ISMS) organized by National Institute of Medical Statistics (NIMS) and National Institute of Health and Family Welfare, 11-13 November 2010.

Guest lecture on 'Data Triangulation in HIV/AIDS' at 13th Annual IAPSMCON UP & Uttarakhand chapter 2010 organized by the Department of Community Medicine, Himalayan Institute of Medical Sciences, HIHT University, Jolly Grant, Dehradun, UK, 30-31 October 2010.

Chaired the session and panelist for 'Evaluation Studies in the National Conference on HIV/AIDS Research', New Delhi, 18-21 January 2011.

Guest lecture on 'Person and Place Distribution of HIV Infection among Various Risk Groups in India' at 38<sup>th</sup> Annual National Conference of IAPSM at MKCG College, Behrampur, Orissa, 22-24 February 2011.

**Dr. M. Bhattacharya, Dr. R. Shahrawat, and Dr. V. Joon 2010:** 'Understanding of Maternal Health Indicators in HMIS among peripheral Level Health Functionaries in UP' at *Global Maternal Health Conference held at Delhi*.

**Dr. M. Bhattacharya and Dr. S. Sinha 2010:** 'Non Adherence among HIV/AIDS patients taking Antiretroviral under National ART Programme at Delhi, India: A Cross Sectional Study' research paper presented at the 28th Annual Conference of ISMS, New Delhi, 11-13 November 2010.

**Dr. V. Joon, Dr. A. Chandra and Dr. M. Bhattacharya 2010:** Emissions of PM 2.5 And Carbon-Monoxide From Fuel/Stove Combinations Used In Rural Haryana, India published in Proceedings of 5th International Conference on Environmental Sciences & Technology at Texas, USA, 12-16 July 2010.

**Dr. J.K. Das:** Chaired a scientific session 12th National Conference of association of 'Prevention and Control of Rabies in India' at India Habitat Centre, New Delhi, 3-4 July 2010.

Chaired scientific session National Conference on 'Challenges & Issues in Hospital Administration' at Govt. Medical College & Hospital, 3-4 December 2010.

Presented scientific paper on 'Public private Partnership', at the 'National Conference on Evidence Based Health Care' at Sher-I Kashmir Institute of Medical Sciences, Srinagar, Kashmir, 26-27 March 2011.

**Prof. V.K. Tiwari:** Attended National Symposium on Research Methodology, Bio-medical Ethics and Medical Writing on Operational Research in Health Family Planning at SMUMCH auditorium, Puducherry, on 25 September 2010.

**Prof. Rajni Bagga:** Attended a WHO Conference on Partners for Health in South-East Asia, 16-18 March 2011.

**Prof. M.M. Misro:** Presented a paper on Molecular Mechanisms of N-Acetyl CXysteine Induced Inhibition of Leydig Cell Apoptosis In-vitro and In-vivo, International Conference on Current Trends in Endocrine and Reproductive Health at Mysore University, 10-12 February 2011.

Presented a paper on Male Hormonal Contraception: Present Prospects and Future Potentials at the Androcon-2011, 16th National Congress of Society of Andrology at Ludhiana, 18-20 February 2011.

**Dr. K.S. Nair:** Attended the International Conference on Health System Strengthening, at Chennai, 6-10 May 2010.

**Dr. Renu Seherawat:** Presented a paper- Insured Yet Vulnerable: Impoverishment due to out of Pocket payments for India's Poor at the International Conference on Health System Strengthening, Chennai, 6-10 May 2010.

### **Publications**

**Sood, A.K.** Development of the concept on strengthening the role of family/community practitioners in primary health care, for the WHO Regional consultation scheduled for Colombo, Srilanka.

Contribution for the modules for IGNOU, PGCEDS programme as unit writer Unit-2: Prevention and management of diseases and Unit-3: Health care systems and strategies.

**Khattar, P., Pillai, D.S. and Nandan, D. 2010.** 'Women Empowerment'. *Indian Journal of Population Education*. 48: 3-11.

**Aggarwal, A., Misro, M.M., Maheshwari, A., Sehgal, N. and Nandan, D. 2010.** N-acetylcysteine counteracts oxidative stress and prevents hCG-induced apoptosis in rat Leydig cells through down regulation of caspase-8 and JNK. *Molecular Reproduction and Development*. 77(10): 900-09.

**Kishore, V., Misro, M.M. and Nandan, D. 2010.** 'Providers' knowledge, attitude and dispensing practices of E-Pills in government dispensaries of south district in Delhi, India'. *Indian Journal of Community Medicine*. 35(1): 46-51.

**Kaushik, M.C., Misro, M.M., Sehgal, N. and Nandan, D. 2010.** 'Effect of chronic oestrogen administration on androgen receptor expression in reproductive organs and pituitary of adult male rat'. *Andrologia*. 42(3): 193-205.

**Lahariya, C., Khanna, R. and Nandan, D. 2010.** 'Primary health care and child survival in India'. *Indian Journal of Pediatrics*. 77(3): 283-90.

**Rangari, K. and Nandan, D. 2010.** 'It is Time to Focus on Hormonal Male Contraception'. *NIHFW Newsletter*. 12(2): 1-3.

**Tekhre, Y.L. and Nandan, D. 2010.** 'Mental Health Programme in India Needs a Revamp'. *Editorial in NIHFW Newsletter*. 12(1): 1-2.

**Piang, L.K., Khattar, P. and Nandan, D. 2010.** Mainstreaming Gender perspective in the National Health Programmes: The Challenges Ahead, Health and Population: Perspectives and Issues. 33(1): 34-41.

**Nandan, D. 2010.** 'National rural health mission: Turning into reality'. *Editorial in Indian Journal of Community Medicine*. 35(4): 453-54.

**Mishra, A.K., Kaur, S., Khanna, R., Gupta, S. and Nandan, D. 2011.** Developing National Repository of Child Health Information for India. International Conference on Digital Libraries and knowledge organization at MDI, Gurgaon on 14-16 February 2011.

*Paper published*

**Bhattacharya, M., Jaiswal, V. and Joon, V. 2010.** 'Facilitating Community Participation to Enhance Panchayati Raj Institutions Performance – A Comparative Study In India'. *Journal of Human & Ecological Risk Assessment*, Vol. 16(2): 402-4012.

**Jha, P., Kumar, R., Ajay, Khera, A., Bhattacharya, M., Arora, P. and Gajalkshmi, V. et. al. 2010.** 'HIV Mortality and Infection in India: Estimates from Nationally Representative Mortality Survey of 1.1 Million Homes'. *BMJ*; 340: c621.

**Kumar, R., Viridi, N.K., Lakshmi, P.V.M., Garg, R., Bhattacharya, M. and Khera, A. 2010.** 'Utility of Prevention of Parent-to-Child Transmission (PPTC) Programme data for HIV surveillance in general population'. *Indian J. Med Res*, 132, pp. 256-59.

**Singh, P., Das, J.K. and Dutta, P.K. 2010.** 'Misconception/ Rumors about Polio vaccine in western UP: a case study'. *Indian Journal Preventive Social Medicine*, Vol. 41, No. 1&2, 4.

**Grewal, I., Das, J.K., Kishore, J. and Nandan, D. 2010.** 'Satisfaction Levels of International Patients Seeking Medical Care from Tertiary Care Hospitals in New Delhi, India'. *International Medical Travel Journal*.

*Chapters in Books*

**Imtiaz, R., Garg, R. and Bhattacharya, M.** 'HIV Surveillance in India' to be published in Chapter 21 in 'Infectious Disease Surveillance', (2nd edn) published by Wiley-Blackwell.

**Bhattacharya, M. 2011.** Chapter on 'Epidemiology of HIV Infection and AIDS' revised for book entitled Women & HIV, first edition: 2003, revised edn. 2011 Federation of Obstetric & Gynecological Societies of India; HIV/AIDS.

**Dwivedi, S., Bhattacharya, M. and Mukherjee, A. 2011.** Chapter on 'District & Village Planning- a decentralized implementation approach in public health in India', published in 'Public Health Nutrition in Developing Countries'.

**Bhattacharya, M. 2010.** Chapter on 'Health Promotion in HIV/AIDS in National Health Programmes', Module-4, Chapter-1, NIHFV-New Delhi.

## DERMATOLOGY & STD (MAMC)

### Honours/Distinctions

**Dr. Vijay K. Garg:** Nepal Association of Dermatologists have felicitated for his contribution to Dermatology; India; President of Scientific Dermatological Society; President of Society for Paediatric Dermatology; Member of Scientific Committee at Dermacon Lucknow.

**Dr. Bijaylaxmi Sahoo:** Reveiwer for Ind J Tuberculosis; Appraisal & Examiner DNB; Chairperson for a session 'Cosmetic procedures' in Aesthetics 2010 at LHMC, New Delhi, 29 August 2010.

**Dr. Kabir Sardana:** Secretary of Society of Pediatric Dermatology Delhi; Reveiwer for IJDVL, JIMSA, Clinical Experimental Dermatology. American Journal of Clinical Dermatology and Clinical Drug Investigation; National Faculty for Training of HIV – STD; Nodal officer of Regional Centre of STD at MAMC.

**Dr. Krishna Deb Barman:** Recourse person for DSACS and NRHM for Delhi state; Reveiwer for Journal of Cancer Research and Therapeutics (JCRT).

**Dr. Atul Mohan Kochhar:** Elected National Joint general Secretary IADVL (National); Elected as Executive Committee Member IADVL Delhi State Branch; Secretary Scientific Cosmetological Society; Expert for MCQ formulations as part of the National UG Textbook on Dermatology project of IADVL; Reviewer for IJDVL, IJD IPD.

### **Seminars/Conferences attended**

**Dr. Vijay K. Garg:** Chaired sessions in Dermatology at the Mid summer Conference of IADVL Delhi and Dermacon at Lucknow.

Chaired a Workshop in Dermatosurgery under the Society of Cosmetology and Surgery.

Convener: A symposium on CME Update For PG of North India.

**Dr. K.D. Barman:** 35th Annual Conference of the Association of IADV at Chennai.

**Dr. Rashmi Sarkar:** Delivered a guest lecture 'Melasma-The Asian Scenario' at 4th Asian Society of Pigment Cell Research at Guangzhou, China, 11-13 June 2010.

Delivered guest lectures 'Overview of Genodermatoses' and 'Skin problems in adolescents' at 2nd Pediatric Dermatology CME at Kuwait, 20-24 November 2010.

Panelist at Panel discussion on 'Management of Grey Hair' and 'Hair Cosmetics' at Hair India in Mammalapuram, 3-4 September 2010.

### **Publications**

**Sardana, K. and Garg, V.K. 2010.** 'An observational study of methionine-bound zinc with antioxidants for mild to moderate acne vulgaris'. *Dermatol Ther.* 23(4): 411-8. Pub Med PMID: 20666829.

**Sarkar, R. and Garg, V.K. 2010.** 'Erythroderma in children'. *Indian J. Dermatol Venereol Leprol.* 76(4): 341-7. Review. Pub Med PMID: 20657113.

**Sardana, K. and Garg, V.K. 2010.** 'Efficacy of low-dose isotretinoin in acne vulgaris'. *Indian J. Dermatol Venereol Leprol.* 76(1): 7-13. Review. Pub Med PMID: 20061724.

**Sardana, K., Garg, V. and Relhan, V. 2010.** 'Complete resolution of recalcitrant periungual/subungual wart with recovery of normal nail following "prick" method of administration of bleomycin 1%'. *Dermatol Ther.* 23(4): 407-10. Pub Med PMID: 20666828.

**Surana, V.K., Singh, A., Kapoor, S. and Sardana, K. 2010.** 'Lichen scrofulosorum and immune thrombocytopenic purpura in a child with tuberculosis'. *Pediatr Infect Dis J.* 29(8):785. Pub Med PMID: 20661111.

**Mishra, D. and Sardana, K. 2010.** 'Giant congenital pigmented nevus of scalp'. *Indian Pediatr.* 47(6): 521. Pub Med PMID: 20622282.

**Sarkar, R., Puri, P., Jain, R.K., Singh, A. and Desai, A. 2010.** 'Melasma in men: a clinical, aetiological and histological study'. *J. Eur Acad Dermatol Venereol;* 24: 768-72.

**Sarkar, R. and Garg, V.K. 2010.** 'Childhood erythroderma'. *Indian J. Dermatol Venereol Leprol;* 76: 341-7.

**Sarkar, R., Basu, S., Aggarwal, R.K. and Gupta, P. 2010.** 'Skin Care for the newborn'. *Indian Pediatrics;* 47(7): 1-6.

**Dizon, M.V., Calzote, C., Estanislau, R., Mathew, N. and Sarkar, R. 2010.** 'Tolerance of baby cleansers in infants. A randomized controlled trial'. *Indian Pediatr;* 47(11): 959-64.

#### *Books*

**Garg, V.K. and Sardana, K. (ed.)** Exam Based MCQ in Dermatology. (2nd Edition). Peepee Publishers.

**Sardana, K. and Jain, A.** Ichthyosis. Advances in Pediatric Dermatology, Peepee publishers.

**Sarkar, R., Garg, V.K., Paul, M. and Luthra, A. 2010.** 'Skin rejuvenation in Indian or Pakistani patients'. *Aesthetic Rejuvenation-A global perspective.* Carniol, P. and Monheit, G.D. (eds). Informa (USA).

## FORENSIC MEDICINE (UCMS)

### **M.D. Degrees awarded**

M.D. - 2

### **Honours/Distinctions**

**Dr. S.K. Verma:** Awarded Excellence awards at 10th INPALMS for outstanding contribution the field of Forensic Medicine and Toxicology, at Amity University; Editor-in-chief, Indian Internet Journal of Forensic Medicine Tocology.



Congress Secretary General for 10th INPALMS at Amity University; Invited for Extension Lecture on, 'Recent Developments in Forensic Medicine/ Sciences', Aligarh Muslim University; Member, Editorial Board, *Delhi Psychiatry Journal*; Member Advisory Board, *Journal of Indian Academy of Forensic Medicine*.

**Dr. A. Kohli:** Managing editor, consultant to Indian Armed Violence assessment International Journal of Medical Toxicology & Legal Medicine Invited to Small arm survey, Switzerland.

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

**Dr. N.K. Aggarwal:** Chaired a session in 2nd International Conference on Medical Negligence and Litigation in Medical Practice and 2nd International Conference on Recent Advances in Forensic Sciences, Medicine and Toxicology, 20-21 February 2011.

Invited to deliver a lecture at second Iranian International Congress of Forensic Medicine at Tehran, 2-4 March 2011.

**Dr. N.K. Aggarwal and Dr. A. Kumar:** 2nd International Conference on Recent Advances in Forensic Medicine & Toxicology, Goa, 20-21 January 2011.

**Dr. S.K. Verma:** 10th Indo-Pacific Congress on Legal Medicine and Forensic Science at Amity University, Noida, 25-30 November 2010.

53rd Annual Delhi State Medical Conference, New Delhi, 26 December 2010.

63rd Annual National Conference of IPS, New Delhi, 18 January 2011.

#### **Publications**

**Verma, S.K. 2010.** 'Medico-legal issues in Health practice'. In: Gupta, P. (eds). Textbook of Preventive and Social Medicine. 3rd edition, Delhi: CBS Publishers and Distributors.

**Sinha, U.S., Uttam, S., Pathak, A.K., Verma, S.K., Singh, A.K. and Kaul, A. 2010.** 'Sudden Death of Jawan/Trainee in Military/CRPF/Police/Paramilitary Forces: Report of two Cases and Review of Literature'. *IJFMT*; 8(4): 153-63.

## **MICROBIOLOGY (UCMS)**

#### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Sentinel surveillance of HIV infection Sentinel surveillance of HIV infection.	Dr. V.G. Ramachandran	NACO
Genetic and functional characterization of regulatory genes of HIV.	Dr. V.G. Ramachandran	CSIR



Prevalence of Multidrug resistant tuberculosis in attendees at a tertiary care hospital of East Delhi.	Dr. I.R. Kaur	IMRG
Invitro host pathogen interaction during OPC in HIV & diabetic patients.	Dr. S. Das	MRG
Feasibility study on the utilization of multiplex PCR for the detection of diarrheagenic <i>E. coli</i> from clinically diagnosed patients of acute diarrhea.	Dr. R. Saha	IMRG

### Honours/Distinctions

**Dr. I.R. Kaur:** President IAMM Delhi & NCR Chapter.

### Seminars/Conferences attended

**Dr. I.R. Kaur:** National Conference of IAMM MICRON, 2010, Kolkata, 25-28 November 2010.

**Dr. R. Saha:** MICRON 2010 at Kolkata, 25-28 November 2010.

2nd Annual Conference of International Association of Medical and Pharmaceutical Virologists (IAMPV) – National Seminar at VP Chest Institute, Delhi, 3-5 March 2011.

### Publications

**Kashyap, B., Sinha, S., Das, S., Rustagi, N. and Jhamb, R. 2011.** 'Efficiency of diagnostic methods for correlation between prevalence of enteric protozoan parasites and HIV/AIDS status-an experience of a tertiary care hospital in East Delhi'. *J. Parasitic Dis*; 34: 63-7.

**Brijwal, M., Rai, S., Singh, N.P. and Kaur, I.R. 2010.** 'Enzyme linked immunosorbent assays (ELISA) Types and modifications' (Review) *Jeevanu Times*; 9(1): 7-8.

**Choudhry, S., Ramachandran, V.G., Das, S., Bhattacharya, S.N. and Mogha, N.S. 2010.** 'Characterization of patients with multiple sexually transmitted infections: A hospital - Based survey'. *Indian J Sex Transm Dis*; 31: 87-91.

**2010.** 'Pattern of Sexually transmitted infections and performance of syndromic management against etiological diagnosis in patients attending the sexually transmitted infections clinic of a tertiary care hospital'. *Indian J Sex Transm Dis*; 31(87): 104-108.

**Das, S., Saha, R., Dar, S.A. and Ramachandran, V.G. 2010.** 'Acremonium species: A review of the etiological agents of emerging hyalohyphomycosis'. *Mycopathologia*. 170(6): 361-75.

**Goyal, R., Gupta, N., Das, S. and Jain, S. 2010.** 'Basidiobolomycosis of nose and face: A case report and mini review of unusual cases of Basidiobolomycosis'. *Mycopathologica*. 170(3): 165-8.

**Kashyap, B., Gautam, H., Chadha, S. and Bhalla, P. 2010.** 'Delayed progression and inefficient transmission of HIV-2'. *Southeast Asian J Trop Med Public Health*; 41(3): 1-4.

**Kashyap, B., Gautam, H. and Bhalla, P. 2010.** 'Epidemiology and Seroprevalence of Human Immunodeficiency Virus Type 2'. *Intervirology*. 54(3): 151-55.

**Gupta, M., Shamma, N.P. Singh and Kaur, I.R. 2010.** 'Evaluation of nitrate reductase assay for direct detection of drug resistance in Mycobacterium tuberculosis: Rapid and inexpensive method for low-resource settings'. *Ind. J. Med. Res*, 28(4): 363-65.

**Neogi, U., Sood, V., Choudhury, A., Das, S., Ramachandran, V.G., Wanchu, A. and Banerjea, A.C. 2010.** 'First Report of Human Immunodeficiency Virus Type 1 Circulating Recombinant form 02\_AG Recombinant Strain of African origin from North India'. *Am. Med. J.* 1(2): 94-9.

## MICROBIOLOGY (VPCI)

### Publications

**Pasricha, R., Chandolia, A., Ponnann, P., Saini, N.K., Sharma, S., Chopra, M., Basil, M.V., Brahmachari, V. and Bose, M. 2011.** 'Single nucleotide polymorphism in the genes of mce 1 and mce4 operons of Mycobacterium tuberculosis: analysis of clinical isolates and standard reference strains'. *BMC Microbio*, 11: 41.

**Angrup, A., Varma-Basil, M., Kumar, S., Pathak, R.K., Sharma, H., Banavaliker, J.N. and Bose, M. 2011.** 'Drug resistance among Mycobacterium tuberculosis isolates from private clinic and a DOTS center in India'. *Southeast Asian J Trop Med Public Health*, 42(1): 122-7.

**Joon, M., Bhatia, S. Pasricha, R., Bose, M. and Brahmachari, V. 2010.** 'Functional analysis of an intergenic non-coding sequence with mce1 operon of M. tuberculosis'. *BMC Microbiol*, 10: 128.

**Varma-Basil, M., Pathak, R., Singh, K., Dwivedi, SKD, 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: 55-7.

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**Chowdhary, A., randhawa, H.S., Khan, Z.U., Ahmad, S., Khanna, G., Gupta, R., Chakravarty, A. and Roy, P. 2010.** 'Rhinoentomophthoromycosis due to *Conidiobolus coronatus* – A case report and an overview of the disease in India'. *Medical Mycology*; 48: 870-79.

**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 *Canida nivariensis*, a globally emerging opportunistic pathogen'. *Med. Mycol.* 48: 416-20.

## MICROBIOLOGY (MAMC)

### Honours/Distinctions

**Dr. Anita Chakravarti:** Received Dr. S. Radhakrishnan Memorial National Teacher Award 2010.

### Seminars/Conferences attended

**Dr. A. Chakravarti:** Presented a paper at the 7th Australasian Conference on Viral Hepatitis at Melbourne, Australia, 6-8 September 2010.

**Dr. Surinder Kumar:** Presented a paper at International organization of Mycoplasma (IOM), 18th International Congress, Chianciano Terme, Italy, 11-16 July 2010.

**Dr. Ravinder Kaur:** Attended and Presented a paper in the International Mycology Conference IMC 9 at Edinburgh, UK, 1-6 August 2010.

**Dr. B. Uppal:** Participated in International Conference on Opportunistic Pathogens (ICOPA-2010), AIIMS, New Delhi, 27-30 September 2010.

**Dr. A. Chakravarti and Dr. Surinder Kumar:** Participated in XXXIV Annual Conference of IAMM, Microcon 2010 at Kolkata, 24-28 November 2010.

### Publications

#### *Books*

**Babeja ,C.P. 2010.** '*Textbook of Microbiology for Nurses*', 3rd edition.

**2010.** '*Textbook of Microbiology for Dental Students*', 3rd edition.

#### *Research Articles in Books or Scholarly Journals*

**Chakravarti, A., Matlani, M. and Kumar, A. 2010.** 'Displacement of Dengue virus type 3 and type 2 by Dengue Virus type 1'. *IJMM*. 28(4): 412.

- Chakravarti, A., Chauhan, M.S., Sharma, A. and Verma, V. 2010.** 'Distribution of Human Rota virus G & P types in a hospital setting from Northern India'. *Southeast Asian Journal of Tropical medicine Public Health.* 41(5): 1145-52.
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- Chakravarti, A., Jain, M., Chauhan, M.S., Sharma, A. and Tewari, S. 2010.** 'Nosocomial diarrhea in children: Is astrovirus the leading pathogen?' *Asian Pacific Journal of Tropical Medicine.* 3(5): 410-11.
- Kakar, S., Bhalla, P., Maria, A., Rana, M., Chawla, R. and Mathur, N.B. 2010.** 'Chlamydia trachomatis causing neonatal conjunctivitis in a tertiary care center'. *Ind. J. Med. Microbiol.* 28: 45-7.
- Mehnidiratta, P.L., Gur, R., Saini, S. and Bhalla, P. 2010.** 'Staphylococcus aureus phage types and their correlation to antibiotic resistance'. *Ind. J. Pathol. & Microbiol.* 53: 738-41.
- Kashyap, B., Gautam, H., Chadha, S. and Bhalla, P. 2010.** 'Delayed progression and inefficient transmission of HIV-2'. *South-East Asian Journal of Tropical Medicine & Public Health.* 41: 570-3.
- Gautam, H., Kaur, R., Goyal, R., Bhalla, P. and Dewan, R. 2010.** 'Oral thrush to candidemia: a morbid outcome'. *J. Int. Assoc. Physicians AIDS Care (Chic).* 9(5): 325-7.
- Gautam, H., Saini, S., Bhalla, P. and Singh, T. 2010.** 'Use of total lymphocyte count to predict absolute CD4 count in HIV-seropositive cases'. *J. Int. Assoc. Physicians AIDS Care (Chic).* 9(5): 292-5.
- Kashyap, B., Gautam, H. and Bhalla, P. 2010.** 'Epidemiology and Seroprevalence of Human Immunodeficiency Virus Type 2'. *Intervirology.* 54(3): 151-55.
- Teckchandani, N., Hadke, N.S., Jain, S.K., Mandal, A.K. and Bhalla, P. 2010.** 'Predictive factors for successful early laparoscopic cholecystectomy in acute cholecystitis: a prospective study'. *Int. J. Surg.* 8(8): 623-7.
- Baveja, C.P., Gumma, V.N., Jain, M. and Jha, H. 2010.** 'Foot ulcer caused by multidrug-resistant Mycobacterium tuberculosis in a diabetic patient'. *J. Med. Microbiol.* 59: 1247-1249.
- Kumar, S., Maria, A., Saigal, S.R. and Maheshwari, M. 2010.** 'Mycoplasma pneumoniae as a cause of Non-resolving pneumonia in a neonate'. *J. Med. Microbiol.* 59: 731-32.
- Kumar, S. and Rizvi, M. 2010.** 'Serum tumor necrosis factor  $\alpha$  and C-reactive protein in pediatric patients with sepsis and its correlation with microbiologic findings'. *Indian J. Pathol. Microbiol.* 53(3): 500-03.

- Mathur, N.B., Marmu, K. and Kumar, S. 2010.** 'Systemic inflammatory response syndrome in home delivered neonates: a prospective observational study'. *J. Pediatrics*. 77(10):1109-13.
- Kaur, R., Wadhwa, A., Gulati, A. and Agrawal, A.K. 2010.** 'An unusual phaeoid fungi: *Ulocladium*, as a cause of chronic allergic fungal sinusitis'. *IJM*. 2(2): 95-7.
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- Rawat, D. and Nair, N. 2010.** 'Extended-spectrum  $\beta$ -lactamases in gram negative bacteria'. *JGI*. 2(3): 263-74. Available from: <http://www.jgid.org/text.asp?2010/2/3/263/68531>
- Verma, J.S., Rawat, D., Hasan, A., Capoor, M.R., Gupta, K., Deb, M., Aggarwal, P. and Nair, D. 2010.** 'The use of E-test for the drug susceptibility testing of *Mycobacterium tuberculosis* – a solution or an illusion?' *Indian J. Medical Microbiol*. 28(1): 30-3.
- Pandey, A., Asthana, A.K., Tiwari, R., Kumar, L., Das, A. and Madan, M. 2010.** 'Physician accessories: doctor, what you carry is every patient's worry?' *Indian J. Pathol. Microbiol*. 53(4): 711-3.
- Das, A., Behera, B., Madan, M., Mathur, P. and Pandey, A. 2010.** 'Empyema caused by optochin sensitive *Streptococcus mitis* in the course of Varicella'. *Indian J. Pediatr*. 77(4): 464.
- Behera, B., Mathur, P., Das, A., Kapil, A., Gupta, B., Bhoi, S., Farooque, K., Sharma, V. and Misra, M.C. 2010.** 'Evaluation of susceptibility testing methods for polymyxin'. *Int. J. Infect. Dis*. 14(7): e596-601.

## MICROBIOLOGY (LHMC)

### Publications

#### *Books*

**Dutta, R., Jais, M., Singh, T. and Rakshit, P.** Manual on Hospital Infection Control Practices.

**Dutta, R., Sharma, S.K., Jais, M. and Rakshit, P.** Manual of Hospital Infection Control Policy of Lady Hardinge Medical College, Smt. Sucheta Kriplani Hospital and Kalawati Saran Children's Hospital.

#### *Research Articles in Books or Scholarly Journals*

**Sherwal, B.L. and Saxena, S. 2010.** 'XDR-tuberculosis: Danger ahead'. *Journal International Medical Sciences Academy*; 3: 13-6.

**Azim, A., Dwivedi, M., Rao, P.B., Baronia, A.K., Singh, R.K., Prasad, K.N. and Poddar, B., Mishra, A., Gurjar, M. and Dhole, T.N. 2010.** 'Epidemiology of

bacterial colonization at ICU admission with emphasis on extended-spectrum beta-lactamases (ESBL) and metallo-beta-lactamase (MBL) producing gram-negative bacteria – an Indian experience'. *J. Med. Microbiol.* 59 (Pt 8): 955-60.

**Patra, S.K., Jain, A. and Sherwal, B.L. et al.** 'Early Diagnosis and Species Differentiation in Multi Drug Resistant – Tuberculosis by Nested Polymerase Chain Reaction Targeting HUP B Gene', *International Journal of Pharma and Bio Sciences* 2010; Vol. 1/ Issue-3. Available at [www.ijpbs.net](http://www.ijpbs.net)

'Nutritional Status in Multi Drug Resistance-Pulmonary Tuberculosis Patients'. *International Journal of Pharma and Bio Sciences* 2010; Vol. 1/Issue-2. Available at [www.ijpbs.net](http://www.ijpbs.net)

**Malhotra, V.L., Lakshmy, A. and Rakshit, P. 2010.** 'Emerging novel metallo beta lactamase-1 (NDM-1): Is it a misnomer'. *J. Commun Dis.* 42(3): 227-29.

**Badali, H., Chander, J., Gulati, N., Attri, A. and Chopra, R. 2010.** 'Subcutaneous Phaeophomycoses caused by *Pyrenochaeta romeroi*'. *Med. Mycol.* 48: 763-68.

**Sharma, J., Gulati, N. and Chander, J. 2010.** 'Drug resistant urinary isolates of *Pseudomonas aeruginosa* and *Acinetobacter* species'. *J. Global Infect Dis.* 2: 315-17.

## MEDICINE (LHMC)

### Appointments of Faculty member to higher Posts/Assignments

**Dr. A. Prakash:** Secretary, Executive Committee of ISAR; Member, Executive Committee DDF; Assistant Editor of Editorial Board, API Textbook of Medicine 9<sup>th</sup> edition; Editor-in-Chief, Indian Journal of Medical Specialties.

### Honours/Distinctions

**Dr. G.S. Pangtey:** Awarded Smt. Pawan Kumar Jain Award in XXI Annual CME of API Delhi I State Chapter.

### Seminars/Conferences attended

**Dr. M. Yadav:** Attended 1st Annual Conference of Cardiovision, 24 December 2010.

**Dr. A. Rohatgi and Dr. A. Prakash:** Attended Annual Conference of RSSDI, Delhi State Chapter, 19 September 2010.

**Dr. A. Prakash:** Attended 23rd Annual Conference of Indian Society for Atherosclerosis Research and International Symposium on Atherosclerosis, UCMS, 113-14 November 2010.

API-DSC Annual Conference, New Delhi, 30-31 October 2010.

30th Annual Conference of Society of Toxicology, New Delhi, 9-11 December 2010.

**Dr. T. Talukdar:** International Symposium on Hemophilia, Delhi, 4-5 September 2010.



## **Publications**

**Prakash, A. and Deepshikha, 2010.** Psoriasis and dilated cardiomyopathy an intriguing association. *Indian J Dermatol*, 55:271-3.

**Prakash, A., Kaur, G. and Agarwal, S.K. 2010.** World Health Day 2010. Urbanisation and Health (editorial). *Indian J Medical Specialties*, 1:4-5.

**Prakash, A. 2010.** Smoking tobacco difference perspectives. *Indian J Medical Specialities*, 2:67-70.

**Dogra, E., Prakash, A., Saxena, S. and Nigam, A. 2010.** Highly sensitive C-reactive protein (hsCRP) a brief review. *Journal of Delhi Diabetic Forum*, 1:11-16.

**Prakash, N., Prakash, A., Saxena, S. and Nigam, A. 2010.** Occupational blood borne infections. *Apollo Medicine*, 7:85-91.

**Singh, N.P., Kaur, G. and Prakash, A. 2010.** Inherited salt-losing renal tubulopathies manifesting as normotensive hypokalemic metabolic alkalosis (editorial). *J Assoc Phys India*, 58:283-284.

**Kaushal, R. Prakash, A. and Srivastava, A. 2010.** Nutritional strategies in chronic kidney disease. *Journal of Delhi Diabetic Forum*, 2:14-22.

**Nigam, A., Maheshwari, N. and Prakash, A. 2010.** Knowledge of emergency contraception and contraceptive practices representative study from rural UP. *Indian J Community Med*, 35:449-50.

**Nigam, A. and Prakash, A. 2010.** Antimicrobials in pregnancy. *The Ind Pract*, 63:783-90.

**Wadhwa, A., Siddaraju, N., Yedlapati, G.K., Talukdar, T., Saka, V.K., Padmaavathy, F. and Basu, D. 2010.** Cytodiagnostic aspects of bronchioloalveolar carcinoma manifesting with small cell morphology on respiratory specimens. A case report *Acta Cytol*, 54:1018-22.

**Pangatey, G.S. and Guleria, R. 2010.** A Young Man with cough, Eosinophilia and Pulmonary Infiltrates. *Ind J Med Specialties*, 1:36-37.

## **MEDICINE (UCMS)**

### **Publications**

**Agarwal, M.P., Giri, S., Jain, R. and Sharma, V. 2010.** 'Spontaneous pneumopericardium in acute asthma'. *Int J. Emerg Med*. 3: 141.

**Aggarwal, A., Dwivedi, S. and Dev, M.** Risk factor differences predisposing to recurrence and/or death in young early onset coronary artery disease patients. *Atherosclerosis Supplements* 2010; 2: 164-65.



- Aggarwal, A., Dwivedi, S. and Jain, P.** Role of tobacco cessation clinics at Tertiary teaching centre and WHO's MPOWER policies. Proceedings of 23rd Annual Conference of Indian Society for Atherosclerosis Research and International symposium on Atherosclerosis', UCMS – GTB Hospital, Delhi, 13-14 November 2010, p. 68.
- Aggarwal, A. and Schroff, P. 2010.** 'Comparative Study of Risk Factors Profile in Young and Older Patients of Coronary Artery Disease in an East Delhi Tertiary Care Hospital'. *Atherosclerosis Supplements*; 2: 168.
- Aggarwal, A., Sharma, V. and Dwivedi, S. 2010.** 'Pulmonary Thromboembolism Following Splenectomy in Hereditary Spherocytosis'. *J. Medical Cases*; 1: 14-5.
- Aggarwal, A., Sharma, V., Rajpal, S. and Dwivedi, S. 2011.** 'Cause of seizures: Lungs, not the brain'. *Lung India*; 28: 65-6.
- Agrawal, M.P., Dwivedi, S., Choudhary, S.C., Khanna, S. and Agarwal, S. 2010.** 'Small vessel vasculitis associated with myocardial infarction'. *J. Ind Acad Clinical Medicine*; 11: 54-8.
- Berry, N. and Madhu, S.V. 2010.** 'Dementia and Diabetes – A Sinister Pair Heralds a Disturbing Future'. *J. General Medicine*; 22: 5.
- Dwivedi, G. and Dwivedi, S. 2010.** 'Betel quid seller syndrome: more than an extension of metabolic syndrome'. *Occupational and Environmental Medicine*; 67: 144.
- Dwivedi, S., Aggarwal, A. and Dev, M. 2010.** 'All in the name of Flavor, Fragrance and Freshness-Smokeless Tobacco Preparations in and around East Delhi Tertiary Hospital'. *J. Assoc Physc India*; 58: 766.
- Dwivedi, S., Aggarwal, A. and Jain, P.** 'Learning curve of Tobacco Habit in young-our experience at tobacco cessation clinic. Proceedings of 23rd Annual Conference of Indian Society for Atherosclerosis Research and International symposium on Atherosclerosis', UCMS – GTB Hospital, Delhi, 13-14 November 2010, p. 74.
- Dwivedi, S., Aggarwal, A. and Kumar, R. 2010.** 'Effect of dysglycemia and smoking on short term mortality in patients with acute coronary syndrome'. *Atherosclerosis Supplements*; 2: 172.
- Dwivedi, S., Aggarwal, A. and Rajpal, S.** Safal Familial xanthelasma with dyslipidemia – a clue to CAD in the young. Proceedings of 23rd Annual Conference of Indian Society for Atherosclerosis Research and International symposium on Atherosclerosis', UCMS – GTB Hospital, Delhi, 13-14 November 2010, p. 88.
- Dwivedi, S., Aggarwal, A., Sharma, V. and Dwivedi, G. 2010.** 'Giant gluteal xanthomas'. *Circulation*; 121: 1866-67.
- Dwivedi, S., Aggarwal, A. and Sharma, V. 2011.** 'Cardiotoxicity from 'safe' herbomineral formulations'. *Tropical Doctor*; 00: 1-3.

'Coronary artery disease in the medical faculty: a wakeup call'. *Indian J. Medical Specialities*; 1: 30-2.

**Dwivedi, S., Aggarwal, A., Singh, N. and Agarwal, S. 2010.** 'Role of family milieu in tobacco addiction: a pilot observation. Proceedings of 23<sup>rd</sup> Annual Conference of Indian Society for Atherosclerosis Research and International symposium on Atherosclerosis', UCMS – GTB Hospital, Delhi, India, 13-14 November 2010, p. 68.

**Dwivedi, S. and Aggarwal, A. 2010.** 'Addiction to 'gul' and 'gutkha' leading to acute pulmonary thrombosis and acute psychosis in a young pregnant lady'. *J. Medical Cases*; 1: 35-6.

Assessment of Subclinical Atherosclerosis: Issues beyond Framingham. Proceedings of 23<sup>rd</sup> Annual Conference of Indian Society for Atherosclerosis Research and International symposium on Atherosclerosis', UCMS – GTB Hospital, Delhi, 13-14 November 2010, pp. 101-06.

Cardiotoxic tobacco preparations galore- death in pouch. Proceedings of 30th Annual Conference of Society of Toxicology, New Delhi, 9-11 December 2010, pp. 24-5.

**2011.** 'Central obesity, hypertension and coronary artery disease: The seed and soil hypothesis'. *World J. Cardiol*; 3: 40-2.

**2010.** Classification of Hypertension: How does inclusion of prehypertension affects health care in Indian scenario? *Annals of NAMS*; 46: 24-32.

**Dwivedi, S. and Aggarwal, R. 2010.** 'Impact of health intervention on tobacco practice and oral health in a family: an illustrative pedigree'. *Health Positive*; 2: 38-40.

**Dwivedi, S. and Jhamb, R. 2010.** 'Cutaneous markers of coronary artery disease'. *World J. Cardiol*; 2: 262-69.

**Dwivedi, S. and Narang, S. 2011.** Exercise and Yoga in Health and Disease. In: API Textbook of Medicine. 9th edition.

**Dwivedi, S. 2010.** 'Choice is simply yours'. *Bulletin of Cardiovascular Sciences*.

**2011.** 'Free the mother earth from tobacco sacrilege'. *Indian Journal of Chest Diseases and Allied Sciences*; 53: 62.

**Giri, S., Sharma, V., Easow, B., Agarwal, M.P. and Sharma, A. 2010.** 'Low mortality during 2008 outbreak of dengue in Delhi, India: a clinicobiochemical Study'. *Journal of Medical and Biological Sciences*; 9: 10-2.

**Goel, A. and Kalra, O.P. 2010.** 'Hyponatremia in older individuals – an editorial'. *J. Assoc Physicians India*, 58: 663-4.

**Goel, A. 2010.** 'Living with Dementia – an editorial'. *J. Gen Medicine*, 22: 2.

- 2010.** 'Of Medical Council and Industry freebies'. *Nat Med J. India*; 23: 248-52.
- Gupta, S. and Aggarwal, A. 2011.** Assessment of oxidative stress and thyroid dysfunction with special reference to organochlorine pesticides. Proceedings of UG Medical Student's Research Conference, New Delhi, 17-19 February 2011.
- Jhamb, R. and Kumar, A. 2011.** 'Iron deficiency anemia presenting as pancytopenia. A case report'. *Int. J. Adolesc Med Health*; 23: 73-4.
- Kalra, O.P. and Agarwal, S. 2011.** 'Obesity and chronic kidney disease: the unholy alliance and its implications'. *API Postgraduate Medicine*, Editor Thakur, B.B.; Vol. 25: 229-39.
- Goel, A. and Kalra, O.P. 2010.** 'Hyponatremia in older individuals – editorial'. *J. Assoc Physicians India*; 58: 663-64.
- Khanna, D., Singh, A. and Kalra, O.P. 2010.** 'Comparison of cutaneous manifestations in chronic kidney disease with or without dialysis'. *Postgrad. Med. J.*; 86: 641-47.
- Datta, S.K., Kumar, V., Pathak, R., Tripathi, A.K., Ahmed, R.S., Kalra, O.P. and Banerjee, B.D. 2010.** 'Association of glutathione S-transferase *M1* and *T1* gene polymorphism with oxidative stress in diabetic and nondiabetic chronic kidney disease'. *Renal failure*; 32: 1189-95.
- Datta, S.K., Kumar, V., Ahmed, R.S., Tripathi, A.K., Kalra, O.P. and Banerjee, B.D. 2010.** 'Effect of *GSTM1* and *GSTT1* double deletions in the development of oxidative stress in diabetic nephropathy patients'. *Indian J. Biochem Biophysics*; 47: 100-03.
- Siddarth, M., Datta, S.K., Mustafa, M.D., Pathak, R., Ahmed, R.S., Banerjee, B.D., Kalra, O.P. and Tripathi, A.K. 2010.** 'Organochlorine pesticide exposure as a risk factor of chronic kidney disease: A case control study'. *Indian J. Nephrol*; 20(Suppl): S6.
- Kumar, S., Kalra, O.P., Datta, S.K., Agarwal, S., Rohtagi, J. and Tripathi, A.K. 2010.** 'Association of angiotensin converting enzyme gene polymorphism with diabetic nephropathy and non-diabetic chronic kidney disease'. *Indian J. Nephrol*; 20 (Suppl): S30.
- Dhawan, S., Dixit, A., Raizada, A., Yadav, A., Vaney, N. and Kalra, O.P. 2010.** 'Hemodialysis improves cognitive functions in patients with end stage renal failure: evidence from bedside pencil and paper tasks'. *Indian J. Nephrol*; 20(Suppl): S54.
- Kalra, S., Jhamb, R. and Ruchi, R. 2011.** 'Profile of Medical and Psychological Disorders in the Elderly persons attending Tertiary care Hospital in Delhi'. *Journal, Indian academy of clinical medicine*; 12: 20-4.
- Madhu, S.V. 2010.** 'Endothelial dysfunction and diabetes'. *J. Assoc Physicians India*; 58: 475-76.
- Mohanty, D., Dhar, M. and Dwivedi, S. 2010.** 'Mucormycosis'. *Tropical Doctor*. 40: 127-28.

- Raizada, A., Dwivedi, S. and Bhattacharya, S. 2011.** ‘Hepatitis B, Hepatitis C and HIV coinfection at an ART centre of Delhi’. *Tropical Doctor*; 41: 3.
- Raizada, A. and Gupta, P. 2010.** Prevention and Control of HIV/AIDS. Textbook of Preventive and Social Medicine. (3<sup>rd</sup> edn). Editor Gupta, P. Delhi: CBS Publishers. Chapter 06 (6.5): 194-97.
- Ranga, G.S., Dwivedi, S. and Sharma, S.B., et al. 2011.** ‘A Study of effects of smoking on lung functions’. *JAPI*, 131.
- Ranga, G.S., Gupta, V. and Kalra, O.P. et al. 2011.** ‘Asprin therapy reduced the lipoprotein in predialysis CKD patients’. *JAPI*; 139.
- 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.
- Sharma, V., Agarwal, M.P., Giri, S. and Sahu, S. 2010.** ‘Thrombophilia in hyperhomocystenemia: a case report’. *Int J. Emerg Med*; 3: 495-96.
- Sharma, V., Agarwal, M.P. and Giri, S. 2010.** ‘Monoclonal gammopathy associated with visceral leishmaniasis’. *Braz J. Infect Dis.*; 14: 297-8.
- Sharma, V., Agarwal, M.P. and Giri, S. 2011.** ‘Phrynoderma in a patient with megaloblastic anemia’. *Indian J. Ophthalmol.* 59: 72-3.
- 2010.** ‘Severe Rhabdomyolysis associated with meningococemia’. *Journal of Global Infectious Diseases*; 3: 315.
- Singhal, P.M. and Goel, A. 2010.** ‘Therapy in Alzheimer’s Disease– an update’. *J. Gen Medicine*, 22: 32-40.
- Wadhwa, A., Avasthi, R., Dwivedi, S. and Sharma, S. 2010.** ‘Prevalence of thrombophilic markers, protein C and protein S levels in young Indian Patients with early onset coronary artery disease aged, 45 years’. *JAPI*; 38 Supplements: p. 762.

## **OBSTETRICS & GYNAECOLOGY (MAMC)**

### **Honours/Distinctions**

**Dr. Usha Manaktala:** Elected as Honorary President, Association of Obstetrics & Gynaecologists of Delhi 2010-2011.

**Dr. Reva Tripathi:** Awarded Corion Award First Runner Up at Aicog.

**Dr. Asmita Rathore:** Elected Secretary, AOGD, 2010-11.

### **Seminars/Conferences attended**

**Dr. S. Batra:** Attended 32nd Annual Conference AOGD at Delhi, 29 October to 1 Nov. 2010.

**Dr. Usha Manaktala:** Indian Menopause Society Conference at Ahilya Bai Auditorium, LNJP, 18 September 2010.

32nd Annual Conference of AOGD along with four Workshop at MAMC, 30-31 October 2010.

Organising faculty of Annual Conference of RCOG-North Zone at Indraprastha Apollo Hospital, New Delhi, 2-5 September 2010.

Organising faculty of Workshop on 'Laparoscopic Hysterectomy' at Pushpanjali Hospital, 12 September 2010.

**Dr. U. Manaktala:** Organising chairperson Pre Congress AOGD workshop on 'Assisted vaginal surgery' at MAMC, 29 October 2010.

Organising faculty of FOGSI 3rd Medicolegal Conference at Gurgaon, 17-19 December 2010.

**Dr. Reva Tripathi:** AOGD Conference, MAMC, New Delhi, 29 October-1 Nov. 2010.

AICOG Conference, Hyderabad, January 2011.

**Dr. Sudha Prasad:** Participated in 20th World Conference on Fertility and Sterility at Munich, Germany, 12-16 September 2010.

Participated faculty in case discussion 'individualizing ovulation induction protocol' in 32nd Annual Conference of AOGD on 31 October 2010.

Participated a panelist in the session 'Ectopic Pregnancy' in the National Focused Conference on 'the first trimester' at Bhubneshwar, 5 December 2010.

**Dr. Anjali Tempe:** Attended "ISAR" Conference at Kochi, April 2010.

**Dr. Asmita Rathore:** Organizing secretary AOGD Conference, 2010-MAMC, Delhi, 29 October-1 November 2010.

Precongress Workshop of AOGD 2010 on assisted vaginal delivery MAMC, 29 Oct. 2010.

**Dr. Ashok Kumar:** Symposium on 'Diabetes in Pregnancy' Organized under 16th Congress of the Federation of Asia and Oceania Perinatal Societies, 14 December 2010.

**Dr. Y.M. Mala:** AOGD Conference, MAMC, New Delhi, 29 October-1 November 2010.

AICOG Conference, Hyderabad, January 2011.

**Dr. Latika Sahu:** Participated in Annual Conference and Workshop of AOGD, 29 October - 1 November 2010.

## **Publications**

### *Book*

**Mala, Y.M., Gupta, M. and Batra, S. 2010.** (1st ed.). Case Discussions in Obstetrics & Gynaecology. Delhi: Jaypee Brothers Publishers.

**Syed, M., Mohd., A., Batra, S. and Mushahid, R. 2010.** 'Allelic loss at the 6q25-27 region and involvement of PARKIN as a tumour suppressor gene in cervical carcinoma'. *Japanese Journal of Clinical Oncology, manuscript*, ID JJCO: 10-0181.

**Kochhar, P., Gandhi, G., Batra, S. and Zutshi, V. 2010.** 'Evaluation of intravaginal misoprostol for medical management of pregnancy loss at 20 weeks of gestation with absent cardiac activity'. *The Journal of Obstetrics and Gynaecology Research*. 36, 3: 626-33.

**Batra, S. 2010.** Unusual presentation of ovarian cyst in post-menopausal woman in Souvenir at 32nd Annual Conference of AOGD, New Delhi, 29 Oct. – 1 Nov. 2010.

**Avantika, G., Manaktala, U. and Rathore, A. 2010.** Evaluation of histopathological correlation of abnormal uterine bleeding in perimenopausal women, 62: Scientific book at 32nd Annual Conference of AOGD.

**Gupta, S. and Manaktala, U. 2010.** Peripartum hysterectomy- Experience at tertiary teaching hospital, MAMC, 72: Scientific book at 32nd Conference of AOGD.

**Manaktala, U. and Arora, G. 2010.** Gravid uterus in an incision hernia presenting in labour. 102: Scientific book of 32nd AOGD Conference.

**Arora, G. and Manaktala, U. 2010.** A prospective study of the incidence & outcome of eclampsia at tertiary care hospital, 91: Book of abstract 16th Congress of Federation of Asia & Oceania Perinatal Society, New Delhi, December 2010.

**Manaktala, U. and Arora, G. 2010.** Rudimentary horn pregnancy. Scientific book at 6th National Conference at Indian Fertility Society on Infertility & ART, Nagpur, November 2010.

**2010.** Alternative methods of controlling postpartum haemorrhage during Caesarean section, 54: Book of Conference of RCOG North Zone, India, 2-5 September 2010.

**Manaktala, U., Avantika, G. and Rathore, A. 2011.** Risk scoring to predict complications in pregnant women with heart disease, 76: Scientific book at 54th AICOG, Hyderabad.

**Manaktala, U., Gupta, S. and Rathore, A. 2011.** A study in knowledge, attitude & practice of pregnant women on iron deficiency anemia at tertiary teaching hospital, 343: Scientific book at 54th AICOG, Hyderabad.

**Manaktala, U., Arora, G. and Rathore, A. 2011.** Umbilical cord blood pH in Cesarean section performed for fetal distress: A prospective cohort study at MAMC, 161: Scientific book at 54th AICOG, Hyderabad.

**Prasad, S. 2010.** 'Malignant mixed mullerian tumor of broad ligament with synchronous ovarian and endometrial carcinoma a rare association'. *Journal of cancer research and therapeutics*.

- Saini, S., Rathore, A.M. and Manaktala, U. 2010.** 'Study of cardiocographic changes in non reassuring fetal status during labour and its association with neonatal outcome'. *Int J. Obstet Gynecology India*. 13, 6: 377-81.
- Singh, N., Gandhi, G., Batra, S. and Sharma, R. 2010.** Abstract on evaluation of mifepristone followed by vaginal misoprostol for MTP between 13 to 20 weeks of gestation. Souvenir 32nd Annual Conference of AOGD, 78.
- Begum, N., Polipalli, S.K., Husain, S.A., Kumar, A. and Kar, P. 2010.** 'Duration of hepatitis E viremia in pregnancy'. *Int. J. Gynecol Obstet*. 108(3): 207-10.
- Kumar, A., Chaudhary, K. and Prasad, S. 2010.** 'Maternal indicators and obstetric outcome in the north Indian population: A hospital-based study'. *J. Postgrad Med*. 56(3): 192-95.
- Kumar, A., Agarwal, K., Devi, S.G., Gupta, R.K. and Batra, S. 2010.** 'Hypocalcemia in Pregnant Women'. *Biol Trace Elem Res*. 136(1): 26-32 doi: 10.1007/s12011-009-8523-6.
- Kumar, A., Mittal, S., Orito, S., Ishitani, K. and Ohta, H. 2010.** 'Impact of dietary intake, education, and physical activity on bone mineral density among North Indian women'. *J. Bone Miner Metab*. 28(2): 192-201. doi: 10.1007/s00774-009-0118-y.
- Kumar, A., Meena, M., Begum, N., Kumar, N., Gupta, R.K., Aggarwal, S., Prasad, S. and Batra, S. 2010.** Latent celiac disease in reproduction performance of women. *Fert Steril*: doi: 10.1016/j.fertnstert. 2010.11.005.
- Arora, S., Mala, Y.M. and Tripathi, R. 2010.** Role of hysteroscopy & chromohysteroscopy in recurrent miscarriage: Scientific proceedings of 32nd Annual Conference, AOGD, 68.
- Kainth, S., Shyamsunder, S., Mala, Y.M. and Tripathi, R. 2010.** An unusual case of menorrhagia. Scientific proceedings of 32nd Annual Conference, AOGD. 85.
- Vertika, Tolia, N., Prasad, R., Shyamsunder, S., Mala, Y.M. and Tripathi, R. 2010.** A study of knowledge, attitude & practices (KAP) of cervical cancer screening methods among health personnel at a tertiary center: Scientific proceedings of 32nd Annual Conference, AOGD, 65.

#### *Chapters*

- Batra, S. 2010.** Chapter on 'Post menopausal bleeding' in Book Case Discussion in Obstetrics & Gynaecology, chapter 26, pp. 339-54, Publisher Jaypee Brothers Medical Publishers.
- Manaktala, U. 2010.** A chapter on 'Anemia in pregnancy' in Book Case Discussion in Obstetrics & Gynaecology, chapter 4, pp. 37-52, publisher Jaypee Brothers Medical Publishers.



- Tripathi, R. 2010.** A chapter on 'Lump in abdomen' in Book Case Discussion in Obstetrics & Gynaecology, chapter 24, pp. 311-26, publisher Jaypee Brothers Medical Publishers.
- Prasad, S. 2010.** A chapter on 'Approaches to improve the diagnosis and management of infertility' in Book Case Discussion in Obstetrics & Gynaecology, chapter 18, pp. 219-30, publisher Jaypee Brothers Medical Publishers.
- Arora, R. 2010.** A chapter on 'Management of abnormal Pap Smear and cervical cancer' in Book Case Discussion in Obstetrics & Gynaecology, chapter 25, pp. 327-38, publisher Jaypee Brothers Medical Publishers.
- Tempe, A. 2010.** A chapter on 'Hypertension in pregnancy' in Book Case Discussion in Obstetrics & Gynaecology, chapter 6, pp. 63-74, publisher Jaypee Brothers Medical Publishers.
- Gandhi, G. 2010.** A chapter on 'Carcinoma Vulva' in Book Case Discussion in Obstetrics & Gynaecology, chapter 27, pp. 355-64, Jaypee Brothers Medical Publishers.
- Rathore, A. 2010.** A chapter on 'Prolapse uterus' in Book Case Discussion in Obstetrics & Gynaecology, chapter 20, pp. 245-58, Jaypee Brothers Medical Publishers.
- Kumar, A. 2010.** A chapter on 'Diabetes in pregnancy' in Book Case Discussion in Obstetrics & Gynaecology, chapter 5, pp. 53-62, publisher Jaypee Brothers Medical Publishers.
- Mala, Y.M. 2010.** A chapter on 'Fibroid uterus' in Book Case Discussion in Obstetrics & Gynaecology, Chapter 19, pp. 231-44, Jaypee Brothers Medical Publishers.
- Goswami, D. 2010.** A chapter on 'Amenorrhea' in Book Case Discussion in Obstetrics & Gynaecology, chapter 17, pp. 207-18, publisher Jaypee Brothers Medical Publishers.
- Gupta, S. 2010.** A chapter on 'Pregnancy with previous congenital disorders' in Book Case Discussion in Obstetrics & Gynaecology, chapter 1, pp. 1-16, Jaypee Brothers Medical Publishers.
- Sahu, L. 2010.** A chapter on 'VVF' in Book Case Discussion in Obstetrics & Gynaecology, chapter 21, pp. 259-84, Jaypee Brothers Medical Publishers.
- Agarwal, K. 2010.** A chapter on 'Pregnancy with previous Intrauterine death of fetus' in Book Case Discussion in Obstetrics & Gynaecology, chapter 12, pp. 142-47, Jaypee Brothers Medical Publishers.
- Gupta, M. 2010.** A chapter on 'Recurrent pregnancy Losses' in Book Case Discussion in Obstetrics & Gynaecology, chapter 2, pp. 17-28, Jaypee Brothers Medical Publishers.
- Tanwar, R. 2010.** A chapter on 'Pregnancy with previous Cesarean' in Book Case Discussion in Obstetrics & Gynaecology, chapter 11, pp. 133-41, Jaypee Brothers Medical Publishers.



**Kumar, D. 2010.** A chapter on 'Multiple gestation' in Book Case Discussion in Obstetrics & Gynecology, chapter 10, pp. 117-31, Jaypee Brothers Medical Publishers.

**Tyagi, S. 2010.** A chapter on 'Thrombophilia in pregnancy' in Book Case Discussion in Obstetrics & Gynaecology, chapter 3, pp. 29-36, Jaypee Brothers Medical Publishers.

**Wadhwa, L. 2010.** A book on 'Heart Disease in pregnancy' in Book Case Discussion in Obstetrics & Gynaecology, chapter 7, pp. 75-86, Jaypee Brothers Medical Publishers.

**Dubey, C. 2010.** A chapter on 'Fetal growth restriction' in Book Case Discussion in Obstetrics & Gynaecology, chapter 8, pp. 87-97, Jaypee Brothers Medical Publishers.

## OBSTETRICS & GYNAECOLOGY (UCMS)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Comparison of LNG IUS and Thermal Balloon Ablation in the management of DUB.	Dr. Gita Radhakrishnan	CSIR
Effect of brief counselling for tobacco cessation on pregnant women using smokeless tobacco products in antenatal clinic in a tertiary hospital.	Dr. A.G. Radhika	WHO
International Multicentric CORONIS Trial; The International CAESER Study- Cesarean section surgical techniques: A followup study.	Dr. Kiran Guleria	National Epidemiological OxfordUK
Anterior vaginal wall prolapsed repair: A randomized controlled trial of two surgical techniques.	Dr. N.B. Vaid	CSIR

### Honours/Distinctions

**Dr. Kiran Guleria:** FOGSI-Corion award – Senior category for the best Scientific research work in Obstetrics & Gynecology for year 2010 by Federation of Obstetricians & Gynecologists of India (FOGSI) at 54th AICOG in Hyderabad, 9 January 2011.

'Award of Honour' by Himachal Pradesh Society of Obs & Gyne, Una, HP, 20 November 2010.

**Dr. Gita Radhakrishnan:** RD Pandit Award for the best thesis in Gynae & Obst. in India to Dr. Nitasha Gupta for 'Comparison of Metabolic and Endocrinal Parameters in Obese and Non-Obese Women of Polycystic Ovarian Syndrome with Normal.

**Dr. Neelam B. Vaid, Dr. Amita Suneja, Dr. Kiran Guleria and Dr. Namita Kalra:** 3rd prize in competition papers during AOGD Annual Conference to Dr. Parul Agarwal for 'Evaluation of Fetomaternal Outcome in Women with or Without Periodontal Disease an Observational Study', October 2010.

**Dr. Amita Suneja, Dr. N.B. Vaid, Dr. Sanjay Gupta and Dr. Renu Sharma:** Gold Medal to Dr Shweta in 19th Annual Conference of NARCHI, Delhi on 'Clinical and urodynamic evaluation of women with detrusor overactivity before and after interferential therapy: A double blind randomized sham control trial', 6 March 2011.

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

**Dr. Neerja Goel:** Chairperson XIXth Annual Conference of NARCHI, 6 March 2011.

**Dr. Kiran Guleria:** National CME in Obstetrics & Gynecology in collaboration with NBE, NAMS, AIIMS, New Delhi, 31 August 2010.

32nd Annual Conference of AOGD, MAMC, New Delhi, 30-31 October 2010.

Symposium on 'Evidence to Action' for reducing maternal and newborn mortality & morbidity at AIIMS, New Delhi, 29-30 December 2010.

**Dr. Bindiya Gupta:** Presented paper titled 'Morbidly adherent placenta-changing trends in diagnosis and management', AICOG, Hyderabad, 4-9 January 2011.

**Dr. Sandhya Jain:** Attended National Conference on Assisted Reproduction at MAMC, Delhi, 12-13 Feb. 2011.

**Dr. Shalini Rajaram:** Presented paper: Accuracy of preoperative ultrasonography in the evaluation of abdominal wall adhesions in 54th AICOG in Hyderabad, 5-9 January 2011.

Delivered lecture 'Identification, Classification and Significance of Obstetric Anal Sphincter', in 54th AICOG in Hyderabad, 5 January 2011.

Delivered lecture 'The Role of Colposcopy' Preventive Oncology Workshop Premalignant lesions of the female genital tract –an update. XIX Annual Conference of the Association of Gynaecologic Oncologists of India, 12 November 2010.

Delivered lecture 'The abnormal cervical smear – clinical implication' XIXth Annual Conference of the Association of Gynecologic Oncologists of India, 12-14 November 2010.

**Dr. Gita Radhakrishnan:** International Symposium and Workshop on 'IVF & PGD', AIIMS, 6 February 2011.

National Conference on ART MAMC, 13 February 2011.

Guest lecturer 'Optimizing Glycemic Control in Diabetes Mellitus in Pregnancy', Annual Conference Noida Gyn Obs. Society, 29 August 2010.

Controls', 2010.

Screening for Thyroid in pregnancy Annual Conference AOGD, 31 October 2010.

Moderator of Panel discussion on 'Trouble Shooting in Ovulation Induction' Annual Conference Pushpanjali Crosslay Hospital Moderator of Panel discussion on 'Trouble Shooting in Ovulation Induction' Annual Conference Pushpanjali Crosslay Hospital, 4 December 2010.

Endometrium- embryo cross talk 4th World Congress of ISMAAR Kolkata, 14 Jan. 2011.

**Dr. Amita Suneja:** Oration Dr. S.K. Das on 'Minimizing errors in colposcopy- Tips & Tricks' during 19th Annual Conference of NARCHI, Delhi Branch, 5 March 2011.

**Dr. Himsweta Srivastava:** 32nd Annual Conference of Association of Obstetricians & Gynaecologists of Delhi, New Delhi, 30-31 October 2010.

**Dr. Neelam B. Vaid:** Workshop on fetal surveillance in the 16th Congress of Federation of Asia Oceania Perinatal Societies, organized by FAOPS 2010, New Delhi as chairperson, 14 December 2010.

19th Annual Conference of NARCHI, Guest lecture- On Ovarian mass- Risk assessment for Malignancy in the Dept. of Obs. & Gynae., LHMC, March 2011.

## **Publications**

### *Books*

Clinics in Obstetrics & Gynaecology: Questions & Answers Authors: Suneja, A. and Malik, R. Editor: Sircar, S. Publisher: CBS publishers & Distributors Pvt. Ltd, Year: 2011

Advances in Obstetrics & Gynecology Editors: Mehta, S., Rajaram, S. and Goel, N. New Delhi: Jaypee Brothers Medical Publishers, Vol. III, New Delhi, 2011.

Arte Quirurgico en Girgugia vaginal Editors: Goel, N., Rajaram, S., Spanish edition 2010, Amolca Venezuel

### *Chapters in Books*

**Agarwal, R. and Agarwal, S. 2010.** 'Obstetrics ICU admissions. In: Rajaram, S., Mehta, S., Goel, N. (eds) Advances in Obstetrics & Gynecology' (Vol. III). Delhi: Jaypee Brothers Medical Publishers (P.) Ltd., pp. 69-83.

**Goel, N., Agarwal, R. and Pandit, U. 2011.** 'Alternative therapies for menopause. Advances in Obstetrics & Gynecology', Vol.III. Jaypee Brothers Medical Publishers (P) Ltd., pp. 212-25.

**Gupta, B. 2011.** 'Changing scenario in the management of placenta previa accrete', in Advances in Obstetrics & Gynecology. Jaypee Brothers Medical Publishers, Vol. III.

**Jain, S.** 'Sacrospinous Hysteropexy' in State-of-the-Art: Vaginal Surgery' (Ed-2), Jaypee Brothers Medical Publishers.

**Rajaram, S., Tripathi, A. and Rathi, B. 2011.** An Update on Viral Infections in Pregnancy in *Advances in Obstetrics & Gynecology*. Jaypee Brothers Medical Publishers, Vol. 3, pp. 43-64.

**Rajaram, S. and Nigam, S. 2011.** HPV carcinogenesis in cancer cervix. In: Rajaram, S., Mehta, S. and Goel, N. (eds). *Jaypee Brothers Medical Publishers*, Vol. III, pp. 195-206.

**Rathi, B., Madhuri Phani P. and Goel, N. 2011.** Liver disorder in pregnancy: current evidence for management in Mehta, S., Rajaram, S., Goel, N. (eds) *Advances in Obstetrics & Gynecology*, Vol 3. Jaypee Brothers Medical Publishers (P) Ltd., pp. 84-99.

**Sharma, R., Goel, N. and Mehta, S. 2011.** 'Management of adolescent PCOS *Advances in Obstetrics & Gynecology*' (Vol. III). Jaypee Brothers Medical Publishers, Pvt. Ltd., pp. 244-55.

**Singh, A., Mehta, S. and Arora, P. 2010.** Post partum complications: In: Rajaram, S., Mehta, S., Goel, N. (eds). *Advances in Obstetrics & Gynecology*, Vol.3. Jaypee Brothers Medical Publishers Pvt. Ltd., pp. 117-29.

**Suneja, A. and Jain, S. 2011.** Prolonged Pregnancy In: *Management of High-Risk pregnancy-A practical approach*, (ed.): Trivedi, S.S. and Puri, M., Jaypee Brothers Medical Publishers, Pvt. Ltd., pp. 112-19.

#### *Paper*

**Agarwal, R., Goel, N., Rajaram, S., Mehta, S. and Agarwal, S. 2010.** 'Intravenous leiomyoma: An enigma in management'. *J. Gyn Surg*; 26: 207-10.

**Agarwal, R., Goel, N., Rajaram, S., Mehta, S. and Agarwal, S. 2010.** 'Intravenous leiomyoma: An enigma in management'. *Journal of Gynecologic Surgery*; 26: 207-10.

**Agarwal, R., Radhika, A.G., Malik, R. and Radhakrishnan, G. 2010.** 'Cotyledonoid leiomyoma and non-descent vaginal hysterectomy'. *Archives of Gynecology and Obstetrics*; 281: 971-2.

**Agarwal, R., Radhakrishnan, G. and Mohanti, S. 2010.** 'Gone astray: imaging suggested an ovarian tumor, but physician identified something quite different'. *The American Journal of Obstetrics and Gynecology*; 203(4): 413.e1-2.

**Agarwal, R., Sharma, S., Guleria, K., Radhakrishnan, G. and Radhika, A.G. 2010.** 'Primary peritoneal carcinoma: a diagnostic dilemma'. *Archives of Gynecology and Obstetrics*; 282(1): 115-16.

**Agarwal, R., Suneja, A. and Raina, S. 2010.** 'Tuberculous psoas abscess in obstetrics'. *Archives of Gynecology and Obstetrics*; 281: 575-6.

**Gupta, B., Guleria, K. and Vaid, N.B. 2011.** Dysuria; donot take it lightly *Arch Gynecol & Obstet*. 283: 657-58.

**Gupta, B., Agarwal, R. and Radhkrishnan, G. 2011.** 'Spontaneous perforation by pyometra an acute emergency'. *South African Journal of Obstetrics and Gynaecology*, 17: 14-5.

**Radhika, A.G. 2010.** Thallasemia Archives of Gynecology and Obstetrics; ISSN 0932-0067 Volume 283 Number 3 Arch Gynecol Obstet (2010) 283:657-658 DOI 10.1007/s00404-010-1461.

**Rajaram, S., Agarwal, R., Sethi, T. and Goel, N. 2010.** 'Cerebroplacental ratio as a predictor of perinatal outcome in growth restricted fetuses'. *Paediatrics Today*; 5: 172-9.

**Rajaram, S., Agarwal, R., Sethi, T. and Goel, N. 2010.** 'Cerebroplacental ratio as a predictor of perinatal outcome in growth restricted fetuses'. *Paediatrics Today*; 13: 172-9.

**Rajaram, S., Grover, N., Goel, N. and Mehta, S. 2010.** 'Massive Retroperitoneal Tumour Complicating Advanced Pregnancy: A Surgical Challenge'. *JK Science*; 12: 35-6.

**Rajaram, S., Mehta, S. and Goel, N. 2010.** 'Human papillomavirus: the silent intruder'. *Indian J. Dermatol Venereol Leprol.* 76(6): 701-3.

**2011.** 'Time to misoprostol after mifepristone: still a bone of contention!' *BJOG* 2011; 118; 629.

**Rajaram, S., Sharma, H., Bhargava, S.K., Tripathi, R.P., Goel, N., Mehta, S. 2010.** 'Mapping the extent of disease by multislice computed tomography, magnetic resonance imaging and sentinel node evaluation in stage I and II cervical carcinoma'. *J. Cancer Res Ther*; 6: 267-71.

#### *Abstracts*

**Rajaram, S., Rani, N., Goel, N., Rathi, V., Mehta, S. and Rathi, B. 2011.** Accuracy of preoperative ultrasonography in the evaluation of abdominal wall adhesions. In Book of Abstracts, 54th All India Congress of Obstetrics & Gynecology, 2011, Hyderabad, India, pp. 294-95.

## **ORTHOPAEDICS (MAMC)**

### **Honours/Distinctions**

**Dr. Anil Dhal:** Chairman Hand section, Indian Orthopaedic Association, President Delhi Orthopaedic Association 2010. GNCTD's State award for his meritorious academic and administrative work, 2010.

Awarded Asia Pacific Orthopaedic Association Young Ambassador Award, 9 July 2010.

**Dr. A.K. Jain:** Awarded Commonwealth Fellowship for training in spine surgery in U.K.

**Dr. Manish Chadha:** Awarded the North American Spine Society (NASS) Clinical Traveling Fellowship 2010 at various centers at USA.

Awarded A.A. Mehta Gold Medal for best oral presentation 40 years at IOACON 2010, Jaipur.

Awarded the Indian Orthopaedic Society – UK (IOS-UK) State traveling fellowship.

### **Seminars/Conferences attended**

**Dr. Lalit Maini:** Traumacon 2010, Mumbai 16th Triennial Congress of Asia Pacific Orthopaedic Association, Taipei, Taiwan. IOACON 2010 at Jaipur.

**Dr. Sumit Sural:** Annual Conference of the Indian Orthopaedic Association, Jaipur.

**Dr. Manish Chadha:** 16th Triennial Congress of the Asia Pacific Association at Taipei, Taiwan.

49th International Spinal Cord Society Conference at New Delhi.

**K.T. Dholakia:** CME in IOACON 2010, Jaipur.

**Dr. I.K. Dhammi:** IOACON 2010 at Jaipur.

**Dr. Anil Kr. Jain:** ISCoS 2010 at New Delhi and MPORTHOCON 2010 at Kanha,

**Dr. Sudhir Kumar:** Annual Conference of Orthopaedics Association IOACON 2010, Jaipur.

**Dr. Alok Sud:** 17th Annual Conference of Paeds Ortho Society of India, Chandigarh, February 2011.

**Dr. Anil Mehtani:** Ranawat Arthroplasty Conference, Kochi.

**Dr. R. Kanojia and Dr. Anil Mehtani:** Indian Orthopaedic Association Annual Conference, Jaipur.

### **Publications**

**Aggarwal, A.N. and Aggarwal, A. 2010.** Valgus osteotomy in recent intracapsular femoral neck fractures. *Int Orthop.*; 34(4): 605; author reply 617.

**Agarwal, A.N., Kini, S.G., Arora, A., Singh, A.P., Gupta, S. and Gulati, D. 2010.** 'Rubber band syndrome-high accuracy of clinical diagnosis'. *J. Pediatr Orthop.*: 30(7): e1-4.

**Agrawal, M., Suri, T., Sural, S. and Dhal, A.** 'Use of external fixator in the post operative management of sciatic nerve injuries'. *Europ J. of Orthopaedic Surg and Traumatology*. DOI: 10.1007/s00590-010-0674-9.

**Agrawal, M., Yuvrajan, P., Maini, L. and Gautam, V.K. 2010.** Management of infected non unions in long bones with bone cement *Journal of Clinical Orthopaedics and Trauma* (Elsevier), Vol.1, No. 1, 41-46.

**2010.** 'Management of infected non-union in long bones: our experience with bone cement'. *Journal of Clinical Orthopaedics and Trauma*; 1(1): 41-46.

- Arora, S., Sural, S. and Dhal, A. 2010.** 'Letter to the editor: Concomitant fungal and bacterial atlanto-axial osteomyelitis: a case report'. *J. Orthop Surg, Hong Kong*, 18(3): 391-2; author reply 392-3.
- Arora, S., Sabat, D., Maini, L., Sural, S., Kumar, V., Gautam, V.K., Gupta, A. and Dhal, A. 2011.** 'The result of conservative treatment in craniovertebral junction tuberculosis: A review of 26 cases'. *The Journal of Bone and Joint Surgery Am*, 93(6): 540-547 [PMID: 21411704].
- Arora, S., Sabat, D., Arora, S.K. and Kumar, V. 2010.** 'Giant intramuscular calcifying aponeurotic fibroma of gluteus maximus: case report'. *Annals of Tropical Pediatrics*. 30,259--63 [PMID: 20828463].
- Arora, S., Sabat, D., Verma, A. and Dhal, A. 2011.** 'An unusual Monteggia equivalent: A case report with literature review'. *Journal of Hand & Microsurgery*. Online first 6 May 2011 [Epub ahead of print] [DOI: 10.1007/s12593-011-0041-z].
- Arora, S., Sabat, D., Kumar, V. and Saran, R.K. 2011.** 'Aneurysmal bone cyst crossing the phys. Journal of Orthopedic Science, 2011 May 10 [Epub ahead of print] For issue Vol.16 No. 5. [PMID: 21556894].
- Bhardwaj, V., Agrawal, M., Suri, T., Sural, S., Kashyap, R., Dhal, A.** 'Evaluation of adequacy of short-course chemotherapy for extraspinal osteoarticular tuberculosis using (99m) Tc ciprofloxacin scan'. *International orthopedics*. 2010 November 30. Online DOI: 10.1007/s00264-010-1162-x.
- Chaddha, M., Gulati, D., Singh, A.P., Singh, A.P. and Maini, L. 2010.** 'Management of massive posttraumatic bone defects in the lower limb with the Ilizarov technique'. *Acta Orthopaedica Belgica*; 76(6): 811-820.
- Chaddha, M., Singh, A.P. and Singh, A.P. 2010.** 'Reverse floating first metatarsal and floating third metatarsal with Lisfranc fracture dislocation'. An unusual event. *Acta Orthop Traumatol Turc.*; 44(2): 169-71.
- Dhammi, I.K., Jain, A.K., Singh, A.P., Mishra, P. and Jain. S. 2010.** 'Oncogenic osteomalacia: Problems in diagnosis and long-term management'. *Indian J. Orthop.*; 44(4):453-457.
- Gulati, D., Kumar, S., Arora, A., Aggarwal, A.N. and Bhargava, S.K. 2010.** 'Bone mineral density in young Indian adults with traumatic proximal femoral fractures'. A case control study. *Acta Orthop. Belg.*, 76: 335-340.
- Jaiman, A., Lokesh, M. and Neogi, D.S.** Effect of vitamin C on prevention of complex regional pain syndrome type I in foot and ankle surgery- Foot and ankle surgery DOI: 10.1016/j.fas.2010.05.008 correspondence.
- Jaiman, A., Neogi D.S.** Fat Emboli Syndrome in a Nondisplaced Tibia Fracture Journal of Orthopaedic Trauma: July 2011 – Vol.25, Issue 7, pp. e83-e83 doi: 10.1097/BOT.ObO13e318221fcf5 Letters to the Editor



- Jain, A.K. 2011.** 'The rational treatment of fractures: Use the evidence with caution'. *Indian J. Orthop.*; 45(2): 101-2.
- 'Indian Journal of Orthopaedics: Exploring a new horizon'. *Indian J. Orthop.* 2011; 45(1):1-2.
- 2010.** 'Tuberculosis of the spine: a fresh look at an old disease'. *J. Bone Joint Surg Br.*; 92-B: 905-913.
- 2010.** 'Ethical issues in scientific publication'. *Indian J. Orthop.* 44(3): 235-7.
- Jain, A.K., Dhammi, I.K., Jain, S. and Mishra, P. 2010.** 'Simultaneously anterior decompression and posterior instrumentation by extrapleural retroperitoneal approach in thoracolumbar lesions'. *Indian J. Orthop.*; 44(4): 409-16.
- 2010.** 'Kyphosis in spinal tuberculosis Prevention and correction'. *Indian J. Orthop.*; 44(2):127-36.
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- Maheshwari, A.V., Zlowodzki, M.P., Siram, G. and Jain, A.K. 2010.** 'Femoral neck anteversion, acetabular anteversion and combined anteversion in the normal Indian adult population: A computed tomographic study'. *Indian J. Orthop.*; 44(3): 277-82.
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- Pankaj, A., Sharma, M., Kochar, V. and Naik, A.V. 2010.** 'Neglected, locked, obturator type of inferior hip dislocation treated by total hip arthroplasty'. *Arch Orthop Trauma Sur.* 22.
- Pankaj, A., Kumar, L., Sharma, G. 2010.** 'Post tubercular stiff hip with fracture of proximal femur treated with total hip arthroplasty: A rare case scenario'. *J. Clin Orthop Trauma* 1(2): 112--115.
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**Sabat, D., Arora, S., Kundu, K. and Kumar, V. 2011.** Tunnel widening after ACL reconstruction: A prospective randomized CT based study comparing two different femoral fixation methods for hamstring graft. *Arthroscopy*. 27(6): 776-83 [PMID:21624672].

**Sabat, D., Arora, S., Kumar, V. and Gupta, A. 2011.** Os odontoideum complicating craniovertebral junction tuberculosis: case report. *Spine* ; 36(12):E814-8 [PMID: 21289572].

**Sabat, D., Arora, S. and Dhal, A. 2011.** Isolated Capitate Fracture with Associated Dorsal Dislocation of the Proximal Pole. *Hand*. Online first 5 May 2011 [Epub ahead of print] [DOI: 10.1007/s11552-011-9337-5].

**Singh, A.P., Dhammi, I.K. and Jain, A.K. 2011.** 'Neglected reverse Essex-Lopresti injury with ulnar nerve compression'. *Chin J. Traumatol*. 14(2): 111-3.

**Singh, A.P., Dhammi, I.K., Jain, A.K. and Jain, S. 2010.** 'Neglected isolated fracture of the trochlea humeri'. *Chin J. Traumatol*. 13(4): 247-9.

**Singh, H., Yuvarajan, P., Maini, L. and Gautam, V.K. 2010.** 'Evaluation of ultrasound as a tool for etiological diagnosis of painful arc syndrome'. *Journal of Clinical Orthopaedics and Trauma*; 1(2): 81-84.

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**Singh, H., Kaur, S., Yuvarajan, P., Jain, N. and Maini, M.** Unifocal Granuloma of Femur due to Langerhans' Cell Histiocytosis: A Case Report and Review of the Literature, *Case Reports in Medicine*, Article ID 686031.

**Varshney, M.K., Jain, M., Sud, A., Aggarwal, S. and Nain, M. 2011.** 'Universal multicentric angiomyolipoma of knee joint and left foot'. *Joint Bone Spine* 78(1): 85-7.

**Verma, A., Maini, L., Gautam, V.K., Yadav, V., Kumar, Y. and Kainth, G.S.** 'Pott's disease mimicking metastasis'. *European Journal of Orthopaedic Surgery & Traumatology* DOI: 10.1007/s00590-010-0698-1.

Text book on 'Neglected Musculoskeletal Injuries' published by JP Brothers and Medical Publishers, New Delhi. Ed. Jain, A.K. and Kumar, S. Contributor to 'Step by Step Knee Replacement 2010 edition (Jaiman, A., Marya, S.K.S. and Thukral, R.)

Current Status of Hip Resection Arthroplasty, Jaiman, A., Marya, S.K.S. and Singh, C., Elsevier Publications, Book Name- Total Hip Replacement: Spectrum.

Fixed bearing Unicompartmental Knee Arthroplasty, Jaiman, A., Marya, S.K.S. and Singh, C. Book Name- Mastering Orthopaedic Techniques, Jaypee Publishers.

## OPHTHALMOLOGY (LHMC)

### Honours/Distinctions

**Dr. P.D'souza:** Awarded the Dr. S. Radhakrishnan Memorial National best Teacher Award' for the year 2010.

**Dr. Rajiv Garg:** Awarded the first prize for the best poster at the XXth Annual Conference of the Glaucoma Society of India at Delhi, 14 November 2010.

### Seminars/Conferences attended

**Dr. Rajiv Garg, Dr. P.D'souza and Dr. Om Prakash:** International Congress of Glaucoma Surgery Hotel Le Meridian, New Delhi, 11-13 November 2010.

**Dr. Rajiv Garg:** Glaucoma Society of India, Annual Conference India Habitat Centre, 14 November 2010.

**Dr. Sarita Beri:** National Neonatology Forum, Jaipur, 7-10 October 2010.

**Dr. P.D'souza and Dr. Sarita Beri:** 19th VRSI, Mysore, 1-5 December 2010.

### Publications

**Gupta, N., Dhawan, A., Beri, S. and D'souza P. 2010.** 'Clinical spectrum of pediatric blepharokerato conjunctivitis'. *Journal of AAPOS*; pp. 1-3.

**Gupta, N., Beri, S. and Pamela D'souza.** 'Cholesterolosis bulbi of the anterior chamber in coats disease'. *J. of Paed Ophthal and Strabismus*. Vol.20, No.10, pp. 1-2.

**Gupta, N. and D'souza P. 2010.** 'Ciliary hypertrichosis in a child with keratomalacia'. *Ann.Tropical Medical Paracytology*. pp.1-3.

**Aggarwal, K., Om Prakash, Chandra, S. and Jain, S.** Lymphoblastic lymphoma of tenon capsule of the eye an unusual presentation. Main Abstract Book APCON 2009. p. 148. p. 119. LR-2 by Indian Assoc. of Pathology and Microbiology and also presented as Poster.

**Garg, R., Sachdeva, P., Beri, S., Muralidharan, P. and D'souza P.** NCT Vs OCT in primary open angle glaucoma patients. presentation at 20th Annual conference on Glaucoma Society of India at India Habitat Centre, New Delhi, 14 November 2010.

**D'souza P, Beri, S., Muralidharan, P., Garg, R., Saili, A., Aggarwal, P., Garg, H. and Monika, G.** To study the change in Refractive status in term and preterm babies, with and without ROP. 19<sup>th</sup> VRSI Annual Conference at Mysore, p. 66, abstract book,

**Beri, S., Muralidharan, P., Garg, R., Saili, A., Aggarwal, P., Garg, U. and Monika, G.** Role of oxidative stress in development of retinopathy of prematurity. 19th VRSI Annual Conf. held at Mysore, p. 71 abstract book, 1-5 December 2010.

**Dhawan, A., Garg, R., D'souza P, Jain, R. and Gupta, N.** Habitual intraocular pressure (IOP). Its importance in glaucoma control. A poster presentation at 5th International Congress on Glaucoma Surgery at New Delhi, 11-13 November 2010.

## OPHTHALMOLOGY (UCMS)

### Honours/Distinctions

**Dr. Upreet Dhaliwal:** Awarded AIOS-IJO Gold award.

### Seminars/Conferences attended

**Prof. V.P. Gupta:** Attended National Conference: All India Ophthalmological Society Conference at Ahmedabad, 3-6 February 2011.

Chairman of orbit and oculoplasty I, free paper session, 3 February 2011.

Judge of free paper session and delivered talk on management of complicated ptosis, Annual Conference of Delhi Ophthalmological Society Conference 16-18 April 2010.

Mid-term DOS Conference: New Delhi, India; chaired the oculoplasty session and delivered talk on novel techniques of lid reconstructions, 18-19 November 2010.

**Dr. Jolly Rohatgi:** Attended International Congress on Glaucoma Surgery, 12-14 November 2010.

**Dr. Upreet Dhaliwal, Dr. Jolly Rohatgi and Dr. Vinod Kumar:** Delhi Ophthalmological Society Conference, New Delhi, India, 16-18 April 2010.

**Dr. Bhuvan Chanana:** Paper presented 'Corneal endothelial loss following pars plana vitrectomy', Vitreo-Retina Society of India Myretina, Mysore, Bangalore, India, 2-5 December 2010.

**Dr. Vinod Kumar:** Annual Conference of All India Ophthalmologic Society, Ahmedabad, Gujrat, 2-5 February, 2011

**Dr. Jolly Rohatgi, Dr. Upreet Dhaliwal and Dr. Vinod Kumar:** Mid-term DOS Conference: New Delhi, 18-19 November 2010.

### Publications

**Gupta, V.P. and Gupta, P. 2010.** Results of Non Penetrating Deep Sclerectomy with or without. Mitomycin C for Primary Open Angle Glaucoma. AIOC Proceed. 332-335.

**Gupta, V.P., Bhattacharya, S.N., Gupta, P. and Gupta, R. 2010.** 'Is it congenital cystic eye with dermal appendages and cerebral anomalies?' *Indian J. Ophthalmol.* 58(5): 448.

**Gupta, V.P., Gupta, P. and Gupta, R.** 'Isoamylcyanoacrylate for sutureless horizontal rectus recession surgery'. *Indian J. Ophthalmol*, 2011; 59:170-1.

'Preoperative subpterygeal injection versus intraoperative mitomycin C for pterygium removal: comparison of results and complications'. *Am J. Ophthalmol*, 151(2): 386-7; author reply 387-8.

- 'Repair of canalicular lacerations using monostent and Mini-Monoka stent'. *Ann Plast Surg*, 66(2):216.
- 2011.** 'Combined posterior flap and anterior suspended flap external dacryocystorhinostomy'. *Oman J. Ophthalmol*; 4: 40-1.
- 2011.** 'Causative Factors of Unsuccessful Dacryocystorhinostomy and the Surgical Technique of Revision External Dacryocystorhinostomy'. *Ophthalmologica*; 225: 236.
- Gupta, V.P. 2010.** 'Expert comments on Dacryocystorhinostomy Surgery in focus column in question -answer form'. *DOS Times*, Vol.16, No.5: 11-17.
- Chanana, B., Sharma, Y.R. and Shah, V. 2010.** 'Management of epiretinal membranes'. *Ophthalmology Today*; 9: 70-72.
- Chanana, B., Kumar, V. and Gupta, V.P. 2010.** 'Intermediate uveitis and pars planitis'. *Delhi Ophthalmological Society Times*. 16(4): 49-51.
- 2011.** 'Epiretinal membranes'. *Delhi Ophthalmological Society Times*. 16(7): 31-35.
- Kumar, V., Kumar, K., Chanana, B., Rohatgi, J. and Gupta, V. 2011.** 'Congenital ectropion uveae with iris coloboma and telecanthus. *Cont Lens Anterior Eye*. [Epub ahead of print].
- Kumar, V. and Chanana, B. 2010.** 'Anterior capsule phimosis in presence of capsular tension ring'. *J. Cataract Refract Surg*; 36(12): 2223.
- Kumar, V., Kumar, K., Jain, S., Chanana, B. and Rohatgi, J.** Poster Optic disc coloboma in Alports syndrome: An unusual association. Mid-term DOS, New Delhi, 18-19 November 2010.

## OPHTHALMOLOGY (MAMC)

### Seminars/Conferences attended

- Dr. U. Yadava;** International symposium on Ocular Therapeutics, Asia, 9-12 December 2010.
- Dr. U. Yadava, Dr. Abhishek Anand and Bamroliya Naina:** Macau, China Poster: *Safety And Efficacy Of Subconjunctival Bevacizumab As A Pharmacological Wound Modulator In Trabeculectomy.*
- Dr. U. Yadava:** Attended American Academy of Ophthalmology, Annual meeting, Best poster awarded and printed in proceedings, Chicago, USA, 16-19 October 2010.
- Dr. J.L. Goyal:** Attended Mid-term Conference of Delhi Ophthalmological Society, Delhi, November 2010.
- Attended Annual Conference of Noida Ophthalmological Society, 31 October 2010.
- Dr. Anju Rastogi:** Annual Conference of DOS, April, 2010 (Judge) OPAI, 2010.

**Dr. Meenakshi Thakar:** Attended Annual Conference of Delhi Ophthalmological Society, April 2010.

**Dr. Subhash Dadeya:** All India Oph Society Conference 2010 Jaipur.

Strabismological Society of India Conference at Jaipur, December 2010.

International: Asia Pacific Society Conference at Beijing, September 2010.

**Dr. Zia Chaudhuri:** Invited to moderate the Research Medical Session on 'Common sense in Ophthalmology – Evidence based approach to ophthalmology' at Delhi Ophthalmological Society Annual Conference, 17 April 2010.

**Dr. Vandana Kohli:** Annual Conference of Delhi Ophthalmological Society, April 2010.

**Dr. Ruchi Goel:** Speaker in Oculoplasty session at the 8th International Conference on Eye advance in conjunction with Annual conference of Bombay Ophthalmologists Association, Mumbai, 13-15 August 2010.

Moderator in Oculoplasty session in 61th Annual Conference of Delhi Ophthalmological Society, 16-18 April 2010.

### **Publications**

**Kumar, V., Ghosh, B., Raina, U.K. and Goel, N. 2010.** 'Efficacy and safety of one intravitreal injection of Bevacizumab in diabetic macular oedema'. *Acta Ophthalmol.* 88(2): e3.

**Raina, U.K., Kumar, V., Kumar, V., Sud, R., Goel, N. and Ghosh, B. 2010.** 'Metallic Intraocular Foreign Body Retained For Four Years - An Unusual Presentation. *Cont Lens Anterior Eye* 33(4):202-204\* .

**Kumar, V., Ghosh, B., Mehta, D.K. and Goel, N.** 'Functional outcome of subthreshold versus threshold diode laser photocoagulation in diabetic macular edema'. *Eye* 24(9): 1459-1465.

**Goel, N., Kumar, V., Seth, A., Raina, U.K. and Ghosh, B. 2011.** 'Spectral Domain Optical Coherence Tomography following Nd:YAG Laser Membranotomy in Valsalva Retinopathy'. *Ophthalmic Surg Lasers Imaging*: 1-7 [Epub ahead of print]\*.

**Goel, N., Kumar, V., Ghosh, B. and Raina, U.K.** 'Giant Macular Hole following blunt trauma. *Asian Journal of Ophthalmology*; 12: 115-116\*\*.

**Raina, U.K., Goel, N., Sud, R., Thakar, M. and Ghosh, B. 2011.** 'Bilateral total cataract as the presenting feature of celiac disease'. *Int Ophthalmol*; 31(1): 47-50\* 4.

**Goel, N., Ghosh, B., Kumar, V., Raina, U.K., Thakar, M. and Angmobodh, S. 2010.** Comparison of Intravitreal Triamcinolone Acetonide (IVTA) with or without macular grid in diabetic macular edema. Published *Aloc proceedings*.

**Goel, N., Bhambhawani, V., Pangtey, B., Raina, U.K., Thakar, M. and Ghosh, B. 2011.** 'Retinopathy in Anaemia'. Published *DOS (Delhi Ophthalmologic Society) Times*; 16(8): 25-29.

Bilateral retrobulbar neuritis in an adolescent boy with lymphoma Naina Bamrolia, Usha Yadava, MD, Abhishek Anand, MBBS, and Zia Chaudhuri, MS, FRCS (Glasg), *Journal of AAPOS* : Vol. 15, No.1, February 2011.

Primary Congenital Glaucoma Usha Yadava, May-August 2010, Vol.4, No.2 Issue *Journal of Current Glaucoma Practice*.

**Arora, R., Goyal, J.L., Kang, J. and Seetaram, S.** Fibrin glue vs suture in limboconjunctival autograph in management of primary pterygium: a prospective comparative study. 68th proc.of All Ind. Ophthal. Soc. 2010, pp.263-265.

**Arora, R., Goyal, J.L., Meena, M., Goel, M. 2010.** 'Impact of Highly Active Anti-Retroviral Therapy (Haart) on Ophthalmic Manifestations in Aids Patients. 68th Proc. of All Ind. Ophthal. Soc., pp. 383-385.

**Gupta, D., Arora, R., Goyal, J.L., Kaur, R. and Gupta, R. 2010.** Voriconazole vis natamycin as primary treatment in fungal corneal ulcers. 68th Proc.of All Ind. Ophthal. Soc., pp. 209-210.

**Gupta, D., Goyal, J.L., Mittal, M., Kang, J. 2010.** Ubm in ocular surface disorders. Proc. of All Ind. Ophthal. Soc., pp. 267-269.

**Goyal, J.L., Gupta, D. and Arora, R., 2010.** 'Management of Traumatic Optic Neuropathy'. *DOS Times*; Vol. (16) pp. 45-47.

**Goyal, J.L., Seetharam, S., Yadava, U., and Arora, R. 2010.** Photopic negative response as a newer diagnostic modality in poag. 68th proc. of All Ind. Ophthal. Soc., pp. 343-344.

**Goyal, J.L., Pahuja, S., Arora, R. and Pandey, P.K. 2010.** Evaluation of visual & electrophysiological tests before and after occlusion therapy in amblyopia. 68th proc.of All Ind. Ophthal. Soc., pp. 665-666.

**Arora, R., Mehta, S. and Goel, J.L. 2010.** 'Bilateral disciform Keratitis as the presenting feature of TB spine'. *British Journal of Ophthalmology*; 94: 808-810.

**Arora, R., Gupta, D., Goel, J. and Kaur, R.** Comparitive efficacy of topical 1% voriconazole vs natamycin as primary treatment in the management of fungal keratitis.

**Arora, R., Mehta, S., Gupta, R., Gupta, D. and Goel, J.L.** Spontaneous Corneal perforation as the presenting feature of systemic tuberculosis *Br J. Ophtalmol.* Doi: 10.1136/bjo. 2011. 204842.

**Dr. Anju Rastogi:** Microspherophalic associated with Axenfeld Reiger Syndrome: Shilpa Goel, Savleen kaur and Prem Vardhan: *JAAPOS*;14;364-366.

**Dr. Meenakshi Thakar:** Bilateral total cataract as presenting feature of celiac disease-*Int. Ophthalmology*, Raina, U.K., Goel, N., Sud, R., Thakar, M. and Ghosh, B. Retinopathy in Anaemia - *DOS times*- Feb, 2011, Vol. 16(8) pp. 25-29, Goel, N., Bhambhwani, V., Pangtey, B., Thakar, M., Raina, U.K. and Ghosh, B.

**Pandey, P.K., Dadeya, S., Singh, A., Vats, P., Rathi, N. and Dangta, S.** Misinnervation in the third nerve palsy: vertical synergistic divergence or consummate congenital bilateral asymmetrical Brown's syndrome with congenital ptosis? *Indian Journal of Ophthalmology* 2010, 58(6):555-6; author reply 556.

**Pandey, P.K., Dadeya, S., Vats, P., Singh, A., Rathi, N. and Dangda, S. 2010.** Botulinum toxin in the management of acquired motor fusion deficiency The missing links, 58(5): 446; author reply 446-7.

**Pandey, P.K., Dadeya, S., Vats, P., Jain, P., Amar, A., Sahoo, M.K. and Singh, A.** Proprioceptive transient elevation of ptotic eyelid and lacrimation in congenital third nerve palsy: the monosynaptic stretch or Hoffmann reflex gone awry? *Arch Ophthalmol.* 2010 Jun; 128(6):797-8.

**Savleen, Kamlesh and Dadeya, S.** Step by Step Work up of paralytic strabismus, *Indian Journal of Strabismology & Pediatric Ophthalmology* -2010, 1(1): 50-53.

**Rathi, N., Savleen, Shagun and Dadeya, S.** Major Review - Esodeviations, *Indian Journal of Strabismology & Pediatric Ophthalmology* -2010, 1, 1, 54-59.

**Raina, U.K. and Chaudhuri, Z.** Ectopic lacrimal glandular tissue in a neonate with giant congenital melanocytic nevi and cutis verticis gyrata. *J Pediatr Ophthalmol Strab* 2010 May 21: 47 Online:el-4. doi: 10.3928/01913913-20100324-08.

**Goel, R., Thangkhiew, L., Yadava, U. and Kumar, S. 2010.** 'Management of bilateral idiopathic healed sclerokeratouveitis with ciliary with intercalary Staphyloma with complicated cataract and secondary glaucoma'. *Indian J. Ophthalmol*, 58: 444--445.

**Kamal, S., Goel, R., Kumar, S., Tiwari, B. and Dulgach, P. 2010.** Blepharophimosis. *DJO*: 20(3); 7-14.

**Goel, R., Kamal, S., Kumar, S., Tiwari, B., Singh, M. and Singh, S. 2010.** 'Malignant tumors of the lid'. *DOS times*: 15(9); 23-36.

**Goel, R., Kumar, S., Kamal, S., Kaur, S., Jain, S., Tiwari, B., Singh, M., Bansal, S. and Madhu 2010.** 'Contracted Socket'. *DOS Times*; 16(1): 19-26.

**Malik, K.P.S. and Goel, R. 2011.** Manual of Small Incision Cataract Surgery, 2<sup>nd</sup> Edition, 2011, CBS Publishers.

**Kohli, V.** Levator Plication versus Resection in Congenital Ptosis - A Prospective Comparative Study. *In Orbit* 2010, 29(1) : 29-34.



## OTORHINOLARYNGOLOGY (LHMC)

### Seminars/Conferences attended

**Dr. T.S. Anand:** Participated in the Asia Oceania Congress, Auckland- Newzealand, and presented a paper on role of Mitomycin C application in prevention of adhesions in FESS Surgery, 1-5 March 2011

**Dr. Anoop Raj:** Participated in the Asia Oceania Congress, Auckland-Newzealand,1-5 March 2011.

**Dr. J.C. Passey:** Attended SAARC Conference at Kathmandu in June 2011 and moderated a panel on vertigo.

**Dr. Achal Gulati:** Secretary for Association of Rhinology of India.

## PATHOLOGY (MAMC)

### Honours/Distinction

**Dr. Tejinder Singh:** Honoured with Karnataka chapter, IAPM, Prof Ramdas Oration in October 2010; Honoured with JNMC Oration, Belgam in June 2010

### Seminars/Conferences attended

**Dr. S. Jain:** International Conference of Cytology at Edinburgh, Scotland, 16-20 May 2010.

**Dr. T. Singh:** Annual Conference of IAPM at Hyderabad, November 2010.

Annual Conference of IAPM, Karnataka and UP chapter, at Chitradurga, October 2010.

**Dr. T. Singh, Dr S Jain and Dr N Khurana:** Annual Conference of IAPM, Delhi chapter at LHMC, April 2010.

**Dr. T. Singh and Dr N Khurana:** Annual Conference of Delhi Society of Hematology, September 2010.

**Dr. T. Singh:** Hematology Update, Bangalore, August 2010.

Regional Hematology Update, Jaipur, February 2010.

**Dr. S. Jain:** Annual Conference of IAC, CYTOCON 2010 at Kolkata.

Chaired, 'Nalini Bai Thakkar Award Papers' session in 40th Annual Conference of IAC, CYTOCON 2010, EZCC, Salt Lake, Kolkata, 25-28 November 2010.

### 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. Review.



**Pahwa, R. and Jain, S. 2010.** Extracellular hyaline material in breast smears: How to interpret? Breast J. 29: (Epub ahead of print).

**Rao, S., Kar, R., Gupta, S.K., Chopra, A. and Saxena R. 2010.** Spectrum of hemoglobinopathies diagnosed by CE-HPLC and modulating effects of nutritional deficiency anemias: experience from a tertiary care centre in North India. Indian J. Med. Res. 132: 513-19.

**Singh, T. and Mahajan, N. 2010.** Morphology of Multiple Myeloma and its correlation to prognosis. In Ranbaxy Research Foundation.

**Singh, T. and Singh, N. 2010.** Morphology of Acute Leukemia. In Ranbaxy Research Foundation.

**Singh, T. and Goyal, G. 2010.** Are the days of cell morphology in acute leukemia numbered in the era of flow-cytometry? In Hematology Update by M. B. Aggarwal.

## PATHOLOGY (UCMS)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Characterization of Immunohistochemical Features of Prostatic Carcinoma in a North Indian Tertiary Care Hospital.	Dr. Sarla Agarwal	UGC
Study of immunopathological aspects of cutaneous lichen planus in Indian population and effect of topical steroid therapy. DST, Fast Track Scheme for Young Scientists.	Dr. Sonal Sharma	DST
Effect of imatinib therapy on CMI special reference to myelofibrosis.	Dr. Neelam Wadhwa, Dr. Usha Rusia	DBT, UGC

### Appointments of faculty members to higher Posts/Assignments

**Dr. Sonal Sharma:** BOYSCAST fellowship, DST, Government of India, University of Bonn, Bonn, Germany.

### Seminars/Conferences attended

**Dr. Kiran Mishra:** Silver Jubilee Annual Conference of IAPM, Delhi Chapter-LHMC, New Delhi, 3 December 2010.

**Dr. Meera Sikka:** National Conference of Thalassemia Welfare Society, AIIMS, New Delhi, 3 December 2010.

## Publications

**Rusia, U.** Refractory iron deficiency anaemia Pathogenesis & management.

Chapter in 'Hematology today – 2011'. (Ed.) Agarwal, M.B., 2011; publ. by Agarwal, M.B. Dr. B. Ambedkar, Rd, Dadar T.T, Mumbai Ind.

**Yadav, A.K., Mishra, K., Mohta, A. and Agarwal, S. 2010.** 'Role of Computerized Morphometric Analysis in the Diagnosis of Hirschsprungs disease'. *Analytical and Quantitative cytology & Histology*. 32(2): 114-115.

**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, 2010, Vol. 2, 36-38.

**Sharma, S. and Mishra, K. 2010.** 'Limitations in the diagnosis of childhood teratoid lesions on aspiration cytology'. *Acta Cytologica*, 54: 142-147.

**Sikka, M. 2010.** Anaemia in pregnancy: Screening for beta thalassemia trait and iron deficiency in proceedings of VIth National Thal. Conference pp. 36-38, 2010 Chapters.

**2010.** Myeloid Sarcoma in Acute Myeloid Leukemia (eds) Agarwal, M.B. (Chapter).

**Aggarwal, S. and Arora, V.K. 2011.** 'An unusual variant of leiomyoma masquerading peroperatively as sarcoma'. *Indian J. Cancer*. 48(1): 120-121.

**Srivastava, R., Arora, V.K., Aggarwal, S., Bhatia, A., Singh, N. and Agrawal, V.** Cytokeratin-20 immunocytochemistry in voided urine cytology and its comparison with nuclear matrix protein-22 and urine cytology in the detection of urothelial carcinoma.

**2011.** 'Diagn Cytopathol'. [Epub ahead of print].

**Gandhi, A., Aggarwal, S. and Arora, V.K.** Diagnostic usefulness of fragments of crushed cells in autoimmune thyroiditis. **2010.** 'Diagn Cytopathol'. [Epub ahead of print].

**Chawla, A., Aggrawal, S., Makhija, M. and Arora, V.K. 2010.** Perivascular localization of acid-fast bacilli in a necrotic cytologic smear. *Acta Cytol*. 54(5 Suppl): 1084-5.

**Arora, V.K., Sarungbam, J., Bhatia, A., Singh, N., Agrawal, V. and Aggarwal, S. 2010.** 'Usefulness of NMP22 as an adjunct to a typical urine cytology and low-grade urothelial carcinoma'. *Diagn Cytopathol*. 38(11): 788-90.

**Gandhi, A., Aggarwal, S., Rajbongshi, A., Arora, V.K. 2010.** 'Bursal gouty tophus: fine-needle aspiration cytology intrabursal tophus on FNAC'. *Diagn Cytopathol*. 38(6): 463-464.

**Aggarwal, S., Gandhi, A. and Arora, V.K. 2010.** 'Cytomorphological diagnosis of tendinous xanthomatosis: a case report'. *Diagn Cytopathol*. 38(4): 287-289.

- Jain, S., Mythily, S., Ahmed, R.S., Arora, V.K. and Banerjee, B.D. 2010.** 'Induction of oxidative stress and histopathological changes by sub-chronic doses of triazophos'. *Indian J. Biochem Biophys.* 47(6): 388-92.
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- Sharma, S., Kotru, M., Gupta, R. 2010.** 'Isolated Amyloidosis of Cervical Lymph Nodes'. *Acta Cytol*; 54: 1078-80.
- Sharma, S., Kotru, M., Batra, M. and Gupta, A. 2010.** 'Melanocytic Nevus with Primary Anorectal Melanoma, a rare association'. *ANZ J. Surg.*; 80(5): 380.
- Sharma, S., Gupta, R., Sharma, R. and Kotru, M. 2010.** 'Mucin Secreting Gastric Adenocarcinoma with Rhabdoid Areas: A Case Report'. *Saudi J. Gastroenterol*; 16(1): 46-8.
- Kotru, M., Aggarwal, S., Sharma, S. and Singh, U.R. 2010.** 'Eosinophilic gastritis mimicking gastric carcinoma: a case series'. *Indian J. Pathol Microbiol*; 53(2): 380-2.
- Sharma, S., Bhattacharya, S.N. and Kotru, M. 2010.** 'Clinicopathological spectrum of cutaneous tuberculosis in India'. *J. Cutan Pathol*, 37: 118.
- Makhija, M., Sharma, S. and Kotru, M. 2010.** 'Ameloblastoma mimicking as Mucoepidemoid carcinoma on cytology'. *J. Cancer Research & Therapeutics.* 6(4): 588-90.
- Rashmi, Radhakrishnan, G., Radhika, A.G. and Sharma, S. 2010.** 'Growing teratoma syndrome: a rare complication of germ cell tumors'. *Indian Journal of Cancer*: 47(4): 486-87.
- Sharma, S. and Kotru, M. 2010.** 'Metastatic small cell carcinoma lung presenting as a breast mass: Cytologic findings'. *Indian J. Cancer*; 47: 72-73.
- Wadhwa, N., Batra, M. and Singh, B. 2011.** 'Non healing ulcer - a rare initial presentation of chronic myeloid leukemia diagnosed on aspiration cytology'. *Diagn Cytopathology*; 39: 135-7.

- Agarwal, S. and Wadhwa, N. 2010.** 'Revisiting old slides - how worthwhile is it?' *Pathol Res and Pract*; 206(6): 368-71.
- 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.
- 2010.** Chapter - 'Etiopathogenesis of Ovarian Cancer', in 'Ovarian Cancer - Comprehensive and Contemporary Management'. Delhi: Jaypee Brothers Medical Publishers, Delhi. 3-10.
- Malhotra, K.P., Prasad, N. and Jain, M. 2010.** 'Morphological Features and Prognostic Significance of Tip Variant of Focal Segmental Glomerulosclerosis: Study of an Indian Cohort'. *Indian J. Pathol Microbiol.* 53(2): 248-52.
- Malhotra, K.P., Agarwal, V. and Prasad, N. 2010.** 'Myelomatous pleural effusion: a diagnostic challenge'. *Indian J. Cancer.* 47(3): 351-2.
- Malhotra, K.P., Sharma, C.B., Jain, J. and Grover, R.K. 2010.** 'Is b3a2 a better prognostic variant in childhood Chronic Myeloid Leukemia?' *J. Postgrad Med.*; 56(3): 221-2.
- Rao, R.N., Krishnani, N., Malhotra, K.P. et al. 2010.** 'Dilemmas in cytodagnosis of subcutaneous swellings: mimics and look-alikes of cysticercosis'. *J. Clin Pathol.* 63(10): 926-

## PATHOLOGY (VPCI)

### Appointments of Faculty members to higher Posts/Assignments

**Dr. Ritu Kulshrestha**, Member: Indian Association of Pathologists and Microbiologists (IAPM); Member: Indian College of Allergy, Asthma and Applied Immunology; Reviewer for Thorax since 2010; Reviewer for Biotechnic & Histochemistry since 2010; Reviewer for Journal of Immunoassay and Immunochemistry since 2011; Reviewer for Indian Journal of Tuberculosis (IJT) since 2011

### Seminars/Conferences attended

**Dr. Ritu Kulshrestha:** Invited Faculty on 'Infectious pneumonias: Continental contest' at the XXVIIIth International Congress of the International Academy of Pathology at Sao Paulo Brazil, 10-15 October 2010.

Invited Faculty and Resource person on 'Pathological approach to environmental lung 'Infectious pneumonias' at the International Conference on pathology of environmental lung disease, VPCI, Delhi, 29-30 November 2010.

'Unusual Tumour and tumour like lesions of the lung', Annual Conference 2010 of the International Academy of Pathology, Indian Division, Hyderabad, 9-12 December 2010.

## Publications

**Kulshrestha, R. and Vijayan, V.K. 2010.** 'Role of Nuclear morphometry in diagnosis of sputum cytological atypia in smokers'. *J. Thoracic Oncology*; 5: S47-48.

**Mittal, V., Arya, A., Kulshrestha, R. and Bajaj, P.** 'Acute fibrinous and organizing pneumonia presenting as complete lung consolidation'. *Chapters in book*.

**Kulshrestha, R. 2010.** Processing of the transbronchial lung biopsy. In Transbronchial lung biopsy interpretation. (eds) Vijayan, V.K., Tazelaar, H.D. and Kulshrestha, R. Vidyanilyam Prakashan. Chapter 2, pp. 6-8.

**2010.** Normal histology, Adequacy and Reporting of the Transbronchial lung biopsy. In Transbronchial lung biopsy interpretation. (eds) Vijayan, V.K., Tazelaar, H.D. and Kulshrestha, R. Vidyanilyam Prakashan. Chapter 3, pp. 9-13.

**2010.** 'Infectious pneumonias. In Transbronchial lung biopsy interpretation'. (eds) Vijayan, V.K., Tazelaar, H.D. and Kulshrestha, R. Vidyanilyam Prakashan. Chapter 7, pp. 546-61.

**Vijayan, V.K. and Kulshrestha, R. 2010.** 'Environmental lung diseases: An overview. In Environmental and Occupational Lung Health: A pathological analysis. (eds) Vijayan, V.K., Tazelaar, H.D., Popper, H.H., Ulrike, G.M. and Kulshrestha, R. Vidyanilyam Prakashan. Chapter 1, pp. 1-10.

**Kulshrestha, R. 2010.** Pathological approach to environmental lung disease. In Environmental and Occupational Lung Health: A pathological analysis. (eds) Vijayan, V.K., Tazelaar, H.D., Popper, H.H., Ulrike, G.M., Kulshrestha, R. Vidyanilyam Prakashan. Chapter 7, pp. 71-90.

**Vijayan, V.K., Tazelaar, H.D., Popper, H.H., Ulrike, G.M., Kulshrestha, R. (eds). 2010.** Environmental and Occupational Lung Health: A pathological analysis. Vidyanilyam Prakashan.

**Vijayan, V.K., Tazelaar, H.D., Kulshrestha, R. (eds). 2010.** Transbronchial lung biopsy interpretation. Vidyanilyam Prakashan.

**Gupta, M., Roshan, R., Kulshrestha, R., Chhabra, S.K. 2010.** Interstitial Lung Disease Complicated by Tuberculosis and Lung Malignancy. International Conference on pathology of environmental lung disease (POED 2010), VPCI, Delhi, 29-30 November 2010.

**Roshan, R., Gupta, M., Kulshrestha, R., Menon, B. and Chhabra, S.K.** Combined pulmonary emphysema with interstitial pulmonary siderofibrosis. International Conference on pathology of environmental lung disease (POED 2010), VPCI, Delhi, 29-30 November 2010.

## PEDIATRICS (MAMC)

### Honours/Distinctions

**Dr. Seema Kapoor:** Editor in chief of a new journal 'Indian Journal of Genetics & Metabolism'.

### Seminars/Conferences attended

**Dr. G.R. Sethi:** Chaired a session on Childhood Migraine in International Conference on Headache at MAM College, 27 November 2010.

**Dr. Seema Kapoor:** Attended the second workshop on 'Consolidating Newborn screening efforts in the Asia Pacific Region' at Manila, Philippines.

Attended 9th Annual Symposium of the Asian Society for Inherited Metabolic Disease in Osaka, Japan, 21-23 October 2010.

**Dr. U. Jhamb:** Guest Lecture on use of IVIG in children in PICU in National Conference of Pediatric Critical Care at Surat, 28-30 October 2010.

Pannelist in pannel discussion on Administrative and financial issues in National Conference of pediatric critical care at Surat, 28-30 October 2010.

Pannelist in pannel discussion on end of life issues in International Conference of critical care medicine at Vigyan Bhawan, Delhi, 16-18 February 2011.

**Dr. Ajay Kumar:** Attended XXX Annual Convention of National Neonatology Forum, India at Jaipur, 8-10 October 2010.

**Dr. Seema Kapoor:** Attended Annual National Conference on IAP at Bangalore from 21 Attended JSK training for call centre employees, 1 October 2010.

Attended CME on Early Intervention and Prevention of disability due to Genetic Disorders at Chandigarh, 11 December 2010.

**Dr. D. Mishra:** Attended National Childhood Disability Conference, the VII National Conference of Childhood Disability Group of IAP at MAMC, Delhi, 12-14 November 2010.

**Dr. M. Juneja:** 8th National Childhood Disability Conference 2010, group of Indian Academic of Pediatrics, 12-14 November 2010.

### Publications

**Sethi, G.R., Roy, V., Gupta, D., Gupta, P., Sethi, G.R. and Mishra, T.K. 2010.** 'Pharmacokinetics of isoniazid in moderately malnourished children with tuberculosis'. *Int. J. Tuberc Lung Dis*; 14(3): 374-376.

**Sethi, G.R.** part of Working Group on Childhood Tuberculosis, Indian academy of Pediatrics. Consensus Statement on Childhood tuberculosis Indian Pediatrics 2010; 47(1); 41-55.

**Mantan, M., Singhal, K.K. and Sethi, G.R. 2010.** 'Acute Lymphoblastic Leukemia, an unusual cause of nephromegaly in infancy'. *Indian Pediatrics*; 77(5): 583.

**Sethi, G.R. 2010.** 'Part of India Clinical Epidemiology Network (India CLEN) Task Force on Pneumonia'. Rational use of antibiotics for pneumonia'. *Indian Pediatrics*; 47(1): 11-18.

**Sethi, G.R., Singhal, K.K., Puri, A.S. and Mantan, M. 2010.** 'Benefit of gluten free diet in Idiopathic pulmonary hemosiderosis in association with celiac disease'. *Pediatric Pulmonology*.

**Mathur, N.H., Marmu, K. and Kumar, S. 2010.** 'Systemic inflammatory response syndrome in home delivered neonates. A Prospective observational study'. *Indian J. Pediatrics*: 77: 1109-1113.

#### *Book Review*

**Jhamb, U. 2010.** 'An approach to Pediatric problems' by Mittal, S.K., Agarwal, V. and Malik, R. in *Indian Pediatrics*; 47: 523.

**Jhamb, U., Jat, K. and Gupta, Y.K.** Serum Lactate levels as predictor of outcome in Pediatric septic shock. Paper accepted for publication in *Indian journal of critical medicine* in March 2011.

**Kumar, A., Dabas, P. and Singh, B. 2010.** 'Spoon Feeding Results In Early Hospital Discharge of Low Birth Weight Babies'. *J. Perinatol.* March, 30(3): 209-217.

**Juneja, M., Sharma, S. and Mukherjee, S.B. 2010.** 'Sensitivity of the autism behavior checklist in Indian autistic children'. *J. Dev Behav Pediatr.* Jan; 31 (1): 48-9.

**Juneja, M., Jain, R., Singh, Y. and Mallika, Y. 2010.** 'Iron deficiency in Indian children with attention deficit hyperactivity disorder'. *Indian Pediatric.* Nov. 7; 47(11): 955-8.

**Mishra, D., Singhal, S. and Juneja, M. 2010.** 'Status dystonicus a rare complication of dystonia'. *Indian Pediatric.* Oct; 47(10): 883-5.

**Dr. K. Rajeshwari.** Infant & Young Child Feeding Guidelines *Indian Pediatrics* Jan - 2011.

**Kapoor, S., Surana, Y.K., Singh, A., Kapoor, S. and Sardana, K. 2010.** 'Lichen scrofulosorum and immune thrombocytopenic purpura in a child with tuberculosis'. *Pediatr Infect Dis J.* 29(8): 785.

**Goyal, N., Singh, T., Kapoor, S., Aggarwal, S. and Rao, S. 2010.** 'Unsuspected sacrococcygeal teratoma in a child presenting with autoimmune hemolytic anemia: a case report'. *Eur. J. Pediatr Surg.*; 20(5): 353-5.

**Kapoor, S. and Kabra, M. 2010.** 'Newborn screening in India: current perspectives'. *Indian Pediatr.* Mar; 47(3): 219-24.

**Mantan, M., Singhal, K.K. and Sethi, G.R. 2010.** 'Acute lymphoblastic leukemia: an unusual cause of nephromegaly in infancy'. *Indian J. Pediatr.* May; 77: 583.



- Mantan, M. and Sethi, G.R. 2010.** 'Acute lymphoblastic leukemia: An unusual cause of nephromegaly in infancy'. *Indian J. Pediatrics*; 77: 1201-1202.
- Mantan, M. and Mishra, D. 2010.** Congenital hypothyroidism and nephrocalcinosis. *Indian Pediatr*; 47: 281.
- Sethi, G.R., Singhal, K.K., Puri, A.S. and Mantan, M. 2010.** 'Benefit of gluten free diet in idiopathic pulmonary hemosiderosis associated with celiac disease'. *Pediatr Pulmonol*: Oct. 21 (ahead of Pub).
- Gulati, A., Hari, P., Kanitkar, M., Sharma, J., Mantan, M. and Bagga, A. 2010.** Randomized, Multicenter Study on Tacrolimus  $\pm$  Alternate Day Prednisolone vs. Intravenous (IV) Cyclophosphamide  $\pm$  ad Prednisolone for Steroid Resistant Nephrotic Syndrome. *Pediatr Nephrol*, 25: 1779-2004. Abstract.
- Mantan, M. and Sethi, G.R.** Experience of Treating Steroid Resistant Nephrotic Syndrome in a Developing Country, *Pediatr Nephrol* 2010; 25: 1779-2004. Abstract.
- Presence of Congenital Anomalies of Kidney and Urinary Tract. A Predictor of Difficult To Control Nephrotic Syndrome. *Pediatr Nephrol* 2010; 25: 1779-2004. Abstract.
- Mishra, D., Kalra, V. and Seth, R. 2010. et. al.** 'Efficacy of pyridoxine in early-onset idiopathic intractable seizures in children'. *Indian J. Pediatrics*; 77: 1252-56.
- Kalra, V., Seth, R., Mishra, D. and Saha, N. 2010.** 'Clobazam in refractory childhood epilepsy'. *Indian J. Pediatrics*; 77(3): 263-66.
- Mishra, D., Singhal, S. and Juneja, M. 2010.** 'Status dystonicus: A rare complication of dystonia'. *Indian Pediatr*; 47: 883-85.
- Dhingra, B., Sharma, S. and Mishra, D. 2010. et. al.** 'Normal values of liver and spleen size by ultrasonography in Indian children'. *Indian Pediatr*; 47: 487-92.
- Aggarwal, K., Dalwai, S., Galagali, P., Mishra, D., Prasad, C. and Thadhani, A. 2010.** 'For the Child Rights and Protection Program (CRPP) of Indian Academy of Pediatrics (IAP). Recommendations on recognition and response to child abuse and neglect in the Indian setting'. *Indian Pediatric*; 47: 493-504.
- Mishra, D. and Sardana, K. 2010.** 'Giant Congenital Pigmented Nevus of Scalp'. *Indian Pediatr*; 47: 521.
- Mishra, D. and Mantan, M. 2011.** 'Congenital hypothyroidism: An uncommon cause of nephrocalcinosis in children'. *Indian Pediatr*. 2010; 47: 210.
- Mishra, D.:-** CANCL Scan. *CANCL News*; 11 (1): 22.
- Juneja, M. 2010:** Early diagnosis of Autism; in Souvenir of National Childhood Disability Conference: 42-45.



## PAEDIATRIC SURGERY (MAMC)

### Honours /Distinctions

**Prof. Y.K. Sarin:** Invited by President of Sociedad Iberoamericana de Informacion Cientifica (SIIC) to join as collaborators; Member, Honorary Editorial Board *Pediatric Health, Medicine and Therapeutics*; Member, Editorial Board of Global Journal of Medical Sciences.

**Prof. S.K. Aggarwal:** Invited by Sher-I-Kashmir Institute of Medical Sciences as an Expert in the Apical Selection Committee for faculty positions in July 2010.

**Prof. S.K. Aggarwal and Dr. S.K. Ratan:** Invited as panellist in the symposium on Pediatric Uro-oncology at AIIMS, 3-4 December 2010.

**Prof. S.K. Aggarwal:** Invited by AIIMS as an expert on selection committee for faculty position of Additional Professor. December 2010.

**Dr. S.K. Ratan:** Nominated a Editorial Board member of Pediatric Surgery subspecialty of Global Journal of Surgery.

### Seminars/Conferences attended

**Dr. S.K. Aggarwal, Dr. N. Pant, Dr. S.K. Ratan, Dr.A. Kumar and Dr.S.K. Sinha:** Genito-urinary injuries in girls- An Indian experience of 17 years, 1st World Congress of Pediatric Urology and Annual AUA meeting, San Francisco, USA, 28 May-4 June 2010.

**Dr. S.K. Aggarwal, Dr. S.K. Ratan, Dr. S.K. Sinha, Dr. A. Kumar, Dr. N. Pant, Dr. N.K. Borkar and Dr. A. Dhua:** Strictures of the posterior urethra in boys with special reference to recurrent strictures - an Indian experience of 17 years 1<sup>st</sup> World Congress of Pediatric Urology and Annual AUA meeting, San Francisco, USA, 28 May-4 June 2010.

**Dr. Y.K. Sarin:** Malignant germ cell tumors- outcome analysis, 42nd Annual Congress of SIOP (International Society of Pediatric Oncology), Boston, USA, 21-24 October 2010.

**Dr. Y.K. Sarin and Dr. S. Sinha:** Non-Wilms malignant renal neoplasms, 42nd Annual Congress of SIOP (International Society of Pediatric Oncology), Boston, USA, 21-24 Oct. 2010.

**Dr. S.K. Aggarwal and Dr. N. Pant:** Anterior Hypospadias repair: Evolution of technique for better cosmesis and function. 3rd World Congress of Pediatric Surgery, New Delhi 2010.

**Dr. S.K. Ratan, Dr. S.K. Aggarwal, Dr. T.K. Mishra, Dr. A. Saxena, Dr. S. Yadav and Dr. R.M. Pandey:** Evaluation of hormonal profile in children with isolated hypospadias and their age matched controls. 3rd World Congress of Pediatric Surgery, New Delhi, 21-24 October 2010.

**Dr. S.K. Aggarwal, Dr. S.K. Sinha, Dr. S.K. Ratan, Dr. N. Pant, Dr. N. Borkar, Dr. A. Dhua and Dr. G. Nirmal:** Laparoscopic assisted pelvic surgery in infants. 3rd World Congress of Pediatric Surgery, New Delhi, 21-24 October 2010.

**Dr. S.K. Aggarwal, Dr. N. Pant, Dr. N. Borkar, Dr. G. Nirmal and Dr. S.K. Sinha:** Ureterocalicostomy for complicated PUJ obstruction. 3rd World Congress of Pediatric Surgery, New Delhi, 21-24 October 2010.

**Dr. S.K. Aggarwal, Dr. S.K. Sinha, Dr. N. Pant, Dr. N. Borkar and Dr. A. Dhua:** Rare Urological Complications of surgery for ARM. 3rd World Congress of Pediatric Surgery,

**Dr. S.K. Aggarwal, Dr. A. Dhua and Dr. S.K. Sinha:** Soft tissue cover in hypospadias surgery: is tunica vaginalis better than dartos flap? 3rd World Congress of Pediatric Surgery, October 2010.

**Dr. S. Sinha, Dr. Y.K. Sarin, Dr. A.S. Puri and Dr. N. Mohan:** Cystic Dilatation of the Intrahepatic Biliary System Following Kasai's Portoenterostomy for Biliary Atresia. 3rd World Congress of Pediatric Surgery, New Delhi, 21-24 October 2010.

**Prof. S.K. Aggarwal and Dr. B.V. Raghunath:** Attended International Workshop on Pediatric Thoracoscopic Surgery, Bangalore, September 2010.

**Prof. S.K. Aggarwal, Dr. Simmi K Ratan, Dr. Shalini Sinha and Dr. Shandip K. Sinha:** Attended International Workshop in Hypospadias and Intersex Disorders, AIIMS, New Delhi, 25-26 October 2010.

**Dr. S.K. Ratan:** Attended Trauma Conference at AIIMS, New Delhi, 27-28 Nov. 2010.

### **Publications**

**Aggarwal, S.K. 2010.** Neonatal Surgical Emergencies. In: Pediatric and Neonatal Emergencies. Choudhury, P., Chugh, K., Bagga, A. and Ramji, S. (editors), (3rd ed.), New Delhi, Jaypee Brothers, pp. 565-585.

**Mohta, A., Gupta, C.R. and Sinha, S.K. 2010.** 'Pediatric Surgery. In: Textbook of Pediatrics (ed.) Agarwal, K.N. New Delhi: Ane Books Pvt. Ltd. pp. 380-93.

#### *Research papers in indexed journals*

**Nagdeve, N.G., Manchanda, V. and Sarin, Y.K. 2010.** 'Bronchopulmonary foregut malformation mimicking pseudocyst of pancreas'. *Indian J. Pediatr.* 77: 323-5.

**Sarin, Y.K. 2010.** 'Neonatal mucormycosis: case report and review'. *J. Indian Assoc Pediatr. Surg.* 15: 98-100.

**Gupta, B., Mehar, R., Raj, A. and Aggarwal, S. 2010.** 'Duplication Cyst of Oesophagus: A Case Report'. *J. Pediatr Child Health.* 46: 134-35.

**Sarin, Y.K. 2010.** Tracheal trifurcation associated with esophageal atresia. 1: 14.

'Intrauterine intussusception causing ileal atresia'. *APSP J. Case Rep;* 1:18.

**Aggarwal, S.K. and Manchanda, V. 2010.** 'Pant Nitin. Epidermoid cyst of clitoris mimicking clitoromegaly'. *JIAPS,* 15: 23-24.

## PULMONARY MEDICINE (VPCI)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Heart Rate Variability in Chronic Obstructive Pulmonary Disease: Association with Systemic Inflammation and Clinical Implications.	Prof. S.K. Chhabra	DST
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
To support Resource Centre for Tobacco Centre for expansion of tobacco services at state/district level.	Dr. V.K. Vijayan	WHO
Real Time PCR based rapid detection of Mycobacterium tuberculosis from Ministry of peripheral blood samples.	Dr. Bala-krishnan Menon	DBT

### Honours/Distinctions

**V.K. Vijayan:** Founder President, South Asian Association of Allergy, Asthma and Clinical Immunology; Founder President, Society for Tobacco Control; Founder Vice President, Pulmonary Pathology Society of India; Chair, Clinical Respiratory Medicine Assembly, Asian Pacific Society of Respirology; Vice President, South Asia Thoracic Society; Vice President, World Lung Foundation-South Asia; Member, Scientific Advisory Group for the Division of Non-Communicable Diseases, Indian Council of Medical Research (ICMR), New Delhi, Member, Scientific Advisory Committee, National Institute of Occupational Health (ICMR); Member, Scientific Advisory Committee, National Institute for Research in Environmental Health (ICMR), Bhopal; Chairman, Committee for developing a Vision Document for the National Institute for Research in Environmental Health (ICMR); Member, Task Force Group of the National Institute for Research in Environmental Health (ICMR), Bhopal, Member, Committee for Selection

and Purchase for equipments for the National Institute for Research in Environmental Health (ICMR), Bhopal; Member, Expert-cum-Monitoring Group on Immunomodulation, Department of Biotechnology, Department of Science and Technology, Government of India; Member, Board of Specialty in Infectious Diseases of Medical Council of India to develop curriculum in DM course in Infectious Diseases; Co-Chair, Assessment Board for promotion of ICMR Scientists under the Flexible Complementing Scheme for Scientists holding posts of Scientist “B” to Scientist “E”. Chairman, Institutional Ethics Committee, LRS Institute of Tuberculosis & Respiratory Diseases, Mehrauli; Co-Chair, Assessment Board for promotion of ICMR Scientists under the Flexible Complementing Scheme for Scientists holding posts of Scientist “B” to Scientist “E”; Chairman, Institutional Ethics Committee, LRS Institute of Tuberculosis & Respiratory Diseases, Mehrauli; Executive Committee Member, Tuberculosis Association of India; Editor-in-Chief and Publisher, Indian Journal of Chest Diseases & Allied Sciences, an official publication of the VPCI and the National College of Chest Physicians (India); 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, World Allergy Organisation 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 Advisory Committee, Pulmon, an official publication of the Academy of Pulmonary and Critical Care Medicine; Member, Editorial Board, Indian Journal of Sleep Medicine, an official publication of the Indian Sleep Disorders Association; 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, Indian Journal of Bronchology, an official publication of the Indian association for Bronchology; Member, DSMB, DBT project on “Efficacy and safety of immunomodulator Mycobacterium was an adjunct therapy in pulmonary tuberculosis”; Member, Scientific Advisory Committee, Tuberculosis Centre; Chairman, Project Review Committee for the Division of NCD in the field of Environment, ICMR; Member, Expert Committee of the Project Review Group for Indo-US Project Proposals in the area of Environmental and Occupational Health, ICMR; Member, Technical Advisory Committee of the ICMR Centre for Advance Research in Environment-Air Pollution” at Sri Ramachandra University, Chennai; Member, Indian Sleep Board to certify Sleep Physicians in India through examination in association with American Academy of Sleep Medicine; Member, Selection Committee for the Award of Post-doctoral Research Fellowship of the ICMR, New Delhi; Referee to assess the research contributions of a candidate for the Shanti Swarup Bhatnagar Prize 2010 of the Council of Scientific and Industrial Research (CSIR) in Medical Sciences; Expert Member, Management Committee for selection of candidates for fellowship of the “National Environmental Sciences Fellowship Programme” Ministry of Environment and Forests, Government of India.

**Prof. S.N. Gaur:** Awarded Fellowship of International Medical Science Academy; Life Member, Indian Science Congress Association; Distinguished Services award of Geriatric Society of India; Editor, Indian Journal of Allergy, Asthma and Immunology; Secretary, National College of Chest Physicians (India); Secretary, (SAAAACI); National Advisor, Organizing Committee, NAPCON-10, Jodhpur; Member, Organizing Committee, ICAAICON-10, Udaipur; Chairman, Ethical Committee, New Delhi T.B. Centre, New Delhi; Member, Brain storming session on Transgenic crop, INSA; Awarded Samaj Shree Alankaran, for services to the profession and public by Bhartiya Saathi Sangathan (Copy Andolan), Delhi, NGO working for the welfare of poor people.

**Prof. Ashok Shah:** Editor, The Indian Journal of Chest Diseases and Allied Sciences; Associate Editor, The Indian Journal of Tuberculosis; Section Editor, (Infectious Diseases) Lung India; Member, Editorial Board, European Respiratory Reviews; Member, Editorial Board, Clinical and Molecular Allergy; Member, Editorial Board, Asia Pacific Allergy; Member, Editorial Board, Open Allergy Journal; Member, Editorial Board, CHEST (India); Member, Editorial Board, The Indian Journal of Allergy and Applied Immunology; Member, Editorial Board, Current Medical Trends. Referee, International journals; Annals of Thoracic Medicine Archives of Pediatrics & Adolescent Medicine, Respiriology, Saudi Medical journal; Referee, National journals, Indian Journal of Chest Diseases and Allied Sciences, Indian Pediatrics, Indian Journal of Tuberculosis, Lung India, National Medical Journal of India, Annals of Thoracic Medicine, Archives of Pediatrics & Adolescent Medicine, Respiriology, Saudi Medical journal, Indian Journal of Chest Diseases and Allied Sciences, Indian Pediatrics, Indian Journal of Tuberculosis, Lung India and National Medical Journal of India; Awarded the "ICS Dr. OA Sarma Oration Award 2010" of the Indian Chest Society; Elected President The Indian College of Allergy, Asthma and Applied Immunology for the years 2011-12'; Member, Technical Screening Committee of Biotech Consortium India Limited (BCIL) 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 (SBIRI) of the Department of Biotechnology (DBT), Ministry of Science and Technology, GOI, 2010-11; Member, World Allergy Organisation, Audit & Finance Committee; Member Society Representative to Asia Pacific Association of Allergy, Asthma and Clinical Immunology (APAAACI) 2011-2013; Expert Member, Tuberculosis Association of India - Committee to review and revise the Recruitment Rules for the post of Director, New Delhi Tuberculosis Centre, October; Expert member, Selection Committee, DNB Respiratory Medicine, Vardhman Mahavir Medical College and Safdarjang Hospital; Member, Sub- Group - Respiratory Medicine, Core Committee of Experts, for Standard Treatment Guidelines, Ministry of Health and Family Welfare, Government of India.

**Prof. S.K. Chhabra:** Associate Editor, Indian Journal of Chest Diseases and Allied Sciences; Member Editorial Board, Indian Journal of Allergy and Applied Immunology; Member, Editorial Board and Section Editor, Lung India; Section editor, Textbook of Pulmonary and Critical Care Medicine;

Member, Selection Committee for recruitment of Scientist, Defense Research and Development Organization; Fellowship, American College of Chest Physicians; NCCP-Dr Reddy's Chest Oration 2010 for contribution to Clinical Aspects of Respiratory Medicine. National College of Chest Physicians; Referee, International journals: (1) Thorax (2) Respiratory Medicine (3) Annals of Thoracic Medicine (4) Journal of Asthma (5) Respiration (6) European Respiratory Journal; Referee, National journals: (1) Indian Journal of Medical Research (2) Indian Journal of Chest Diseases (3) Indian Journal of Allergy, Asthma, and Applied Immunology (4) Lung India (5) Indian Journal of Community Medicine.

**Prof. Raj Kumar:** Reviewer, International Journals: Chest, British Medical Journal, Tobacco Control; Respiratory Medicine, International Journal of Occupational Health & Environmental Medicine; Reviewer, National Journals: Indian Journal of Chest Diseases, Indian Journal of Allergy, Asthma & Applied Immunology, Lung India; Member, Review Committee on Genetic Manipulation (RGGM), Dept. of Biotechnology, Govt. of India; Examiner, i) PG students, Pulmonary Medicine, University of Delhi, ii) PG students, TB & Chest Diseases, Aligarh Medical College, Aligarh Muslim University, Aligarh, iii) PG students, Pulmonary Medicine, Baba Farid University of Health Sciences, Faridkot, iv) PG students, Chandigarh Medical College, Chandigarh; Governing Council Member, South Asia Thoracic Society (SATS); Member, Section Editor: Occupational Disorders and Research Methods – Lung India; Member, Editorial Board. Current Allergy & Asthma Report, 2010; Member, Interview Board of UPSC 2010 for selection of Senior Lecturer (Tuberculosis & Respiratory Diseases); Head, National Centre for Respiratory Allergy, Asthma and Immunology, VP Chest Institute, 2011 onwards.

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

36th Workshop on Respiratory Allergy: Diagnosis and Management, 7-11 February 2011.

1st Conference of South Asia Association of Allergy, Asthma and Clinical Immunology (SAAAACI-2011), 12-13 February 2011.

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

**Dr. V.K. Vijayan:** APICON CME Programme, 66th Annual Conference of Association of Physicians of India (APICON 2011) organized by Association of Physicians of India, Ahmedabad, 6-9 January 2011.

National Conference on Pulmonary Diseases (NAPCON-2011) organized by National College of Chest Physicians (India) and Indian Chest Society, Jodhpur, 27-30 November 2011.

XXVI Round Table Conference on 'Sleep Disorders: Wake-up call for Physicians' organized by Ranbaxy Science Foundation and AIIMS, New Delhi, 9 October 2010.

Symposium on the occasion of 'World No Tobacco Day' 2010 organized by VP Chest Institute and Society for Tobacco Control Delhi, 31 May.



International Conference on Pathology of Environmental Lung Diseases (POED 2010) organized by VP Chest Institute, Pulmonary Pathology Society of India and the Pulmonary Pathology Society, Division of American Society of Investigative Pathology, Delhi, 29-30 November 2010.

National Symposium and Workshop on Yogic Management of Pulmonary Diseases organized by VP CI and Morarji Desai National Institute of Yoga.

National Symposium and Workshop on Yogic Management of Pulmonary Diseases organized by VP Chest Institute and Morarji Desai National Institute of Yoga, Delhi, 27-28 January 2011.

**Prof. S.N. Gaur:** Lecture on 'Immunotherapy for allergic diseases: present scenario', 44th Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON-2010), Geetanjali Medical College and Hospital, Udaipur, 22-24 October 2010.

Lecture on 'Global warming and respiratory health', National Conference on Pulmonary Diseases (NAPCON-2010), Jodhpur, National College of Chest Physicians (India) and Indian Chest Society, 26-30 November 2010

Lecture on 'Basic mechanism, clinical presentation and allergen specific immunotherapy in respiratory allergy', Indian Science Congress, Chennai, MBD College, January 3-7, 2011.

Lecturer on 'Immunotherapy subcutaneous', 36th Workshop on Allergy diagnosis and Management, VPCI, Delhi, 7-11 February 2011.

Lecture on 'Subcutaneous immunotherapy in management of allergy disorders', 1st Conference of South Asia Association of Allergy, Asthma and Clinical Immunology (SAAAACI - 2011), Delhi, VPCI, University of Delhi, 12-13 February 2011

Lecture on 'Global warming and effect on respiratory system', 10th Annual Conference of the Rajasthan Chapter of National College of Chest Physicians India (NCCP RAJCON 2011), Ajmer, Department of Pulmonary Medicine, J.L.N. Medical College and Rajasthan Chapter of National College of Chest Physicians India, 26-27 February 2011.

**Prof. Ashok Shah:** Lecture on 'Managing upper airways inflammatory disease allergic rhinitis and chronic rhinosinusitis', Respiratory Airways Summit, Hong Kong, University of Aberdeen, 21-22 August. 2010.

Lecture on 'Human seminal plasma allergy', Chaired a Symposium on "Occupation Asthma and Chaired 'Best Paper Award 1 – Young Investigator' Session, 8th Asian Pacific Congress of Allergy Asthma and Clinical Immunology Singapore, Allergy & Clinical Immunology Society, Singapore, 6-9 November 2010.

Chaired the plenary session on Update on asthma and lower airway co-morbidities, The World Allergy Organization International Scientific Conference (WISC) Dubai, The World Allergy Organization, 5-8 December 2010.

Chaired a panel session on Indoor pollutants and atopic dermatitis, West Pacific Allergy Organization Jinan Forum 2011 on “Better Environment for Atopic Dermatitis” Jinan Youth Center, Jinan, Korea, West Pacific Allergy Organization, 27-28 January 2011.

Lecture on ‘Aspergillus related lung diseases’, The Uttarakhand APICON 2010 Mussoorie, Association of Physicians of India, Uttarakhand Chapter, 18-19 September 2010.

Lecture on ‘Aspergillus associated hypersensitivity respiratory disorder’, 44th Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON-2010), Udaipur, Geetanjali Medical College and Hospital, 22-24 October 2010.

Lecture on ‘Bronchopulmonary aspergillosis: clinical spectrum and diagnosis’ and Chaired and Judged the Free Paper Award session on COPD, National Conference on Pulmonary Diseases (NAPCON-2010), Jodhpur, National College of Chest Physicians and Indian Chest Society, 26-30 November 2010

Lecture on ‘Allergic bronchopulmonary aspergillosis’, R.G. Kar Medical College 78th Reunion Scientific Seminar, Kolkata, Ex Student’s Association of the R.G. Kar Medical College, 19-22 December 2010.

Lecture on ‘Upper airways allergic inflammatory disorders’, and Chaired the plenary session on Hereditary angioedema, 1st Conference of South Asia Association of Allergy, Asthma and Clinical Immunology (SAAAACI - 2011), Delhi, V.P.C.I. University of Delhi, 12-13 February 2011.

Lectures on ‘Bronchial anthracofibrosis and How to write a paper?’, 10<sup>th</sup> Annual Conference of the Rajasthan Chapter of National College of Chest Physicians India (NCCP RAJCON 2011), Ajmer, Department of Pulmonary Medicine, J.L.N. Medical College and Rajasthan Chapter of National College of Chest Physicians India, 26-27 February 2011.

The 2nd Annual Conference of the International Association of Medical and Pharmaceutical Virologist (IAMPV) organised by the Vallabhbhai Patel Chest Institute, University of Delhi at the Paintal Memorial Golden Jubilee Auditorium, 3-5 March 2011.

**Prof. S.K. Chhabra:** National Symposium: Sleep Apnea: An update organized by Vallabhbhai Patel Chest Institute, University of Delhi, 5 April 2010.

12th National Conference on Pulmonary Diseases (NAPCON 2010), organized by Dept. of Pulmonary Medicine, Dr. S.N. Medical College, Jodhpur, 26-30 November 2010.

International Conference on Pathology of Environmental Lung Diseases (POED 2010), organized by VPCI, 30 November 2010.

National Symposium on Translational Research in New Drug Development, organized by VPCI, 12-13 January 2011.

Lecture on: Control of bronchial asthma Practical demonstrations on Pulmonary function tests, 1st Conference of South Asia Association of Allergy, Asthma and Clinical Immunology (SAAAACI - 2011) Delhi, VPCI, 12-13 February 2011.



2nd Annual Conference of International Association of Medical and Pharmacological Virologists, organized by V.P. Chest Institute, University of Delhi, 3-5 March 2011.

Lecture on 'Arterial blood gases and pulse oximetry', Workshop on Intensive Care, Chennai, Sri Ramachandra Medical College and Research Institute, 5-7 August 2010

Awarded the "NCCP-Dr Reddy's Chest Oration Award 2010" of the National College of Chest Physicians (India) for contribution to Clinical Aspects of Respiratory Medicine and Lecture on 'Spirometry interpretation', National Conference on Pulmonary Diseases (NAPCON-2010), Jodhpur, National College of Chest Physicians (India) and Indian Chest Society, 26-30 November 2010

**Prof. Raj Kumar:** Lecture on 'Food allergy', 44th Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON-2010), Udaipur, Geetanjali Medical College and Hospital, 22-24 October 2010

Lecture on 'Smoking cessation in tertiary centre', and Chaired a session on Smoking and lung health, National Conference on Tobacco or Health, Mumbai, Tata Memorial Hospital, 23-25 September 2010.

Lecture on 'Food allergy', International Conference on Lung Health, Dhaka, Bangladesh Lung Foundation, 13-14 October 2010.

Lecture on 'Food allergy in North India', Seminar on Food Safety Issues with Special Emphasis on GM Food, Pune, National Chemical Laboratory, 14-16 November 2010.

Lecture on 'Let us clean the air, it is never too late to help the COPD smokers', National Conference on Pulmonary Diseases (NAPCON-2010), Jodhpur, National College of Chest Physicians (India) and Indian Chest Society, November 26-30, 2010

International Conference on Pathology of Environmental Lung Diseases (POED 2010), VPCI, 30 November 2010.

Lectures on 'Smoking cessation what physician should know?', Difficult asthma and Sublingual Immunotherapy', Seminar on Basics in Obstructive Lung Diseases, Kolkata, National Allergy Asthma Bronchitis Institute (NAAABI), 19 September 2010.

National Symposium on Translational Research in New Drug Development, VPCI, 12-13 January 2011.

National Symposium and Workshop on Yogic Management of Pulmonary Diseases, VPCI, 27-28 January 2011.

2nd Annual Conference of International Association of Medical & Pharmaceutical Virologists on New Frontiers in Drug Discovery and Development against Emerging & Reemerging Viral Infections, VPCI, 3-5 March 2011.

Organising Secretary, Lecture on: Food allergy in south Asia and Chaired a session on Exhaled nitric oxide: basic aspect and clinical use, 1st Conference of South Asia Association of Allergy, Asthma and Clinical Immunology (SAAAACI-2011), Delhi, VPCI, 12-13 Feb. 2011.

**Dr. Balakrishnan Menon:** Presented a paper on Effect of pulmonary rehabilitation on systemic inflammation, functional parameters and muscle cross sectional area in COPD, 20th European Respiratory Society Annual Congress (ERS-2010) Barcelona, Spain, European Respiratory Society, 18-22 September 2010.

Presented a paper on 'Effect of pulmonary rehabilitation on MMP-9 and TIMP-1 on MTCSA, and 6MWD in patients of COPD', 15th Congress of Asia Pacific Society of Respirology (APSR) Manila, Philippines, Asia Pacific Society of Respirology (APSR), 22-25 Nov. 2010.

Lecture on Radiological features of environmental lung disease, International Conference on Pathology of Environmental Lung Diseases (POED 2010), Delhi, VPCI, Pulmonary Pathology Society of India and the Pulmonary Pathology Society, Division of American Society of Investigative Pathology, 29-30 November 2010.

National Seminar on Sleep Apnea: An Update, VPCI, Delhi, 5 April 2010.

International Conference on Pathology of Environmental Lung Diseases, VPCI, 30 Nov.2010.

National Symposium on Translational Research in New Drug Development, VPCI, Jan. 2011.

National Symposium on Yogic Management of Pulmonary Diseases, VPCI, 27-28 Jan. 2011.

Lecture on 'Occupational lung diseases: current trends in imaging', 64th National Conference of the Indian Radiology and Imaging Association (IRIA), New Delhi, Indian Radiology and Imaging Association, 28-31 January 2011.

36th Workshop on Respiratory Allergy: Diagnosis and Management, at VPCI, 7-12 February 2011.

Lecture on 'Drug allergy', 1st Conference of South Asia Association of Allergy, Asthma and Clinical Immunology (SAAAACI - 2011), Delhi, VPCI, 12-13 February 2011.

2nd Annual Conference of International Association of Medical & Pharmaceutical Virologists on 'New Frontiers in Drug Discovery and Development against Emerging & Re-emerging Viral Infections', at VPCI, Delhi, 3-5 March 2011.

## **Publications**

### *Books*

**Kumar, R. and Vijayan, V.K. 2011.** 'An atlas of Common Allergens', Dept. of Respiratory Allergy & Applied Immunology, VP Chest Institute, Delhi, Vidyaniam Prakashan, p. 96.

**Gaur, S.N. 2011.** Associate Editor, NCCP(I) Text Book of Respiratory Medicine, New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., First Edition.

### *Research Articles*

**Anand, A., Srivastava, N., Raj, H. and Vijayan, V.K. 2011.** 'Influence of codeine on lobeline-induced respiratory reflexes and sensations and on ventilation with exercise in healthy subjects'. *Respir Physiol Neurobiol*; 175: 169-75.

- Gupta, P., Vijayan, V.K. and Bansal, S.K. 2010.** 'Sphingomyelin metabolism in erythrocyte membrane in asthma'. *J. Asthma*; 47: 966-71.
- Khanna, M., Ray, A., Rawall, S., Chandna, S., Kumar, B. and Vijayan, V.K. 2010.** 'Detection of influenza virus induced ultrastructural changes and DNA damage'. *Indian J. Virol*; 21: 50-5.
- Kumar, B., Sharma, B., Khanna, M., Singh, V., Daga, M.K., Vijayan, V.K., Mishra, A.C., Chadha, M.S., Mamta Chawla-Sarkar and Kaur, H. 2010.** 'Comparison of various immunoassay kits for rapid screening of pandemic influenza H1N1-2009 viruses'. *J. Public Health Epidemiol*; 8: 175-9.
- Kumar, P., Kumar, B., Gupta, A., Sharma, B., Vijayan, V.K., Khare, S., Singh, V., Daga, M.K., Chadha, M.S., Mishra, A.C., Kaur, H. and Khanna, M. 2010.** 'Diagnosis of novel pandemic influenza virus (H1N1) 2009 in hospitalized patients'. *Indian J. Virology*; 21: 45-9.
- Kumar, R. and Vijayan, V.K. 2011.** Editors: Atlas of Common Allergens, First Edition. Delhi: Vidyanilyam Prakashan.
- Singh, T.D., Patial, K., Vijayan, V.K. and Ravi, K. 2011.** 'Role of Nitric oxide in the diuresis and natriuresis occurring in patients with obstructive sleep apnoea syndrome'. *Indian J. Chest Dis Allied Sci*; 53: 11-20.
- Vijayan, V.K. 2010.** Bronchoscopy and transbronchial biopsy. In: Vijayan, V.K., Tazelaar, H.D., Popper, H.H., Gruber-Moesenbacher, U. and Kulshrestha, R. (Editors). Transbronchial Lung Biopsy Interpretation. Delhi: Vidyanilyam Prakashan, pp. 1-5.
- 2010.** Health issues in space flights and lunar surface. In: Shankar, P.S. (Editor). Respiratory Futurology, Academy of Respiratory Medicine. Mumbai; 41-8.
- Methyl isocyanate (MIC) exposure and its consequences on human health at Bhopal. *Int J Environ Stud* 2010;67: 637-53.
- Parasitic lung diseases. In: Jindal, S.K. 2010. Editor-in Chief. Text Book of Pulmonary and Critical Care Medicine. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd, New Delhi; pp. 806-19.
- Vijayan, V.K., Goel, N. and Caroli, R. 2010.** Toxic inhalations and thermal lung injuries. In: Jindal, S.K., Editor-in Chief. Text Book of Pulmonary and Critical Care Medicine. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., pp. 1387-1407.
- Vijayan, V.K., Kulshrestha, R. 2010.** 'Environmental lung diseases: an overview. In: Vijayan, V.K., Tazelaar, H.D., Popper, H.H., Ulrike, G.M. and Kulshrestha, R. (Editors). Environmental and Occupational Lung Health: A Pathological Analysis. Vidyanilyam Prakashan. pp. 1-10.

**Vijayan, V.K., Tazelaar, H.D., Kulshrestha, R. 2010.** (Editors). Environmental and Occupational Lung Health: A Pathological Analysis, Delhi: Vidyanilyam Prakashan.

**Vijayan, V.K., Tazelaar, H.D., Popper, H.H., Gruber-Moesenbacher, U. and Kulshrestha, R. 2010.** (Editors): Transbronchial Lung Biopsy Interpretation, Delhi: Vidyanilyam Prakashan.

**Vijayan, V.K. 2011.** Novel therapies in bronchial asthma. In: Thakur, B.B. (Editor). Postgraduate Medicine: The Association of Physicians of India. Mumbai. 2: 275-9.

**2011.** Tropical pulmonary eosinophilia. In: Behera, D., Editor-in-Chief. NCCP Textbook of Respiratory Medicine. Jaypee Brothers Medical Publishers (P) Ltd, New Delhi; pp. 167-70.

**Srivastava, D., Mehta, A.K., Aora, 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*, 30: 426-434 [Epub 2010 Jan 14, PMID 20072850, DOI 10.1007/s10875-009-9362-0].

**Kumar, R., Kumari, D., Srivastava, P., Khare, V., Henafakr, Arora, N., Gaur, S.N. and Singh, B.P. 2010.** 'Identification of IgE mediated food allergy and allergens in older children and adults with asthma and allergic rhinitis'. *Indian J. Chest Dis Allied Sci*, 52: 217-224.

**Menon, B.** Radiological features of environmental lung diseases. Chapter in book 'Environmental and Occupational Health: A pathological Analysis' (ed.) Vijayan, V.K., Tazelaar, H.D. and Kulshreshtha, R. Pub: Vidyanilyam Prakashan. pp. 95-116.

Radiological features of environmental lung diseases. Chapter in book 'Environmental and Occupational Health: A pathological Analysis' (ed.) Vijayan, V.K., Tazelaar, H.D. and Kulshreshtha, R. Pub: Vidyanilyam Prakashan. pp. 95-116.

**2010.** 'Effect of pulmonary rehabilitation on systemic inflammation, functional parameters and muscle cross sectional area in COPD'. *European Respiratory Journal*; 36 (4): 640.

**2010.** 'Effect of pulmonary rehabilitation on MMP-9 and TIMP-1 on MTCSA and 6MWD in patients of COPD'. *Respirology*; 15(2): 95.

**2010.** 'Effect of pulmonary rehabilitation on markers of inflammation muscle mass and exercise capacity in patients of COPD'. *Respirology*; 15(2): 46.

#### *Book Chapters*

**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: Nova Science Publishers, Inc. Hanppage NY 11788-3619 (www.novapublishers.com).

**Gaur, S.N. and Tyagi, P. 2011.** Anaerobic pleuropulmonary infections. In: Text Book of Respiratory Medicine, New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., First Edition, pp. 140-143.

- Gaur, S.N. 2011.** Allergy and allergen specific immunotherapy In: Text Book of Respiratory Medicine, New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., First Edition, pp. 546-568.
- Solanki, R.N. and Gaur, S.N. 2011.** Difficult asthma. In: Text Book of Respiratory Medicine, New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., First Edition, pp. 569-576.
- Gopal, B. and Gaur, S.N. 2011.** Gastroesophageal reflux. In: Text Book of Respiratory Medicine, New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., First Edition, pp. 577-84.
- Gaur, S.N. 2011.** Hypersensitivity pneumonitis. In: Text Book of Respiratory Medicine, New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., First Edition, pp. 845-52.
- 2011.** Respiratory allergy: Basic mechanism, clinical presentation and allergen specific immunotherapy. In: Emerging Trends in Zoology, Editor Srivastava, U.C. and Kumar, S. New Delhi: Narendra Publishing House, pp. 227-56.
- Shah, A., Panjabi C.** Anaerobic bacterial infections of the lungs and the pleura. In: Jindal, S.K. (Editor).
- 2011.** Textbook of Pulmonary and Critical Care Medicine. New Delhi: Jaypee Brothers; pp. 820-31.
- Shah, A. and Sareen, R. 2011.** Bronchial asthma: epidemiology, definition and etiology. In: Behera, D. (Ed.) NCCP Textbook of Respiratory Medicine. New Delhi: Jaypee Brothers; pp. 511-20.
- Shah, A. 2010.** 'Concurrent allergic bronchopulmonary aspergillosis and aspergilloma: is it a more severe form of the disease?' [editorial]. *Eur Respir Rev*; 19: 118, 261-63.
- Sareen, R., Gupta, A. and Shah, A. 2011.** 'Immediate hypersensitivity to mango manifesting as asthma exacerbation'. *J. Bras Pneumol.* 37(1): 135-8.
- Shah, A. 2010.** 'Childhood tuberculosis: a diagnostic predicament. [editorial]'. *Current Med Trends* 2009; 13: 2365-67 Published in 2010.
- 2011.** 'Nosing around in COPD. [editorial]'. *Indian J. Chest Dis Allied Sci.* 53: 5-7.
- Chhabra, S.K. and Ashima Anand. 2010.** Mechanisms of Dyspnoea in Respiratory Diseases. In Textbook of Pulmonary and Critical Care Medicine. Editor-in-chief. Jindal, S.K. New Delhi: Jaypee Brothers, 93-106.
- Chhabra, S.K. and Gupta, M. 2010.** Respiratory Physiology in Specific Physiological States. In Textbook of Pulmonary and Critical Care Medicine. Editor-in-chief. Jindal, S.K. New Delhi: Jaypee Brothers. 81-92.
- 2010.** Normal Respiratory Physiology. In NCCP textbook of Respiratory Medicine. Editor-in-Chief. Behera, D. New Delhi: Jaypee Brothers, 43-67.

**Chhabra, S.K., Yasir, A., Chaudhry, K. and Shah, B. 2010.** 'Potentiation of allergic asthma by exposure to Ozone and its modulation by dietary antioxidants, alpha tocopherol and ascorbic acid'. *Indian J. Med Res.*132: 87-93.

**Chhabra, S.K. and Gupta, M. 2010.** 'Coexistent chronic obstructive pulmonary disease-heart failure: Mechanisms, Diagnostic and therapeutic dilemmas'. *Indian J. Chest Dis Allied Sci*; 52: 225-38.

**2010.** The beta agonist controversy. *Chest* (I); 2: 247 49.

**2011.** 'Confirmation of asthma diagnosis in the community'. *Eur Respir J.* 37: 222-23.

**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, 11-18.

**Kumar, R. and Kumar, A. 2010.** 'Allergic Bronchopulmonary Aspergillosis: Clinical spectrum of 101 cases'. *Indian J. of All Asthma & Immunol*, (241) 55.

**Kumar, R., Kumari, D., Srivastava, P., Khare, V., Fakhr, H., Arora, N., Gaur, S.N. and Singh, B.P. 2010.** 'Identification of IgE mediated food allergy and allergens in older children and adults with asthma and allergic rhinitis'. *Indian J. Chest Dis All Sci*; 52, 217-224.

**Kumar, R. 2010.** Book Review – Text book of Pulmonary Medicine by Behera, D., JP Brothers, *Indian J. Chest Dis* (Raj Kumar) 2010-170.

**Kumar, R.** Identification of IgE mediated Food Allergy and Allergens in older children and adults with asthma and allergic rhinitis – PULMOCON 2010, 2nd International Conference on Lung Health, Dhaka, Bangladesh, 13-14 October 2010.

**Kumar, A., Bisht, I. and Kumar, R.** Analysis of skin reactivity to various common aeroallergens by skin prick test in respiratory allergy patients (bronchial asthma (BA) and allergic rhinitis (AR) – 1st Conference of the South Asia Association of Allergy, Asthma & Clinical Immunology (SAAAACI-2011), VP Chest Institute, 12-13 February 2011, 104-105.

**Nagar, J.K., Kumar, R., Kumar, P., Singh, A. and Gaur, S.N.** Impact of indoor respiratory particulate matter on respiratory allergy in children in India – an exposure response study – 1st Conference of the South Asia Association of Allergy, Asthma & Clinical Immunology (SAAAACI-2011), VP Chest Institute, 12-13 February 2011, 106.

**Kumar, A., Kumar, M. and Kumar, R.** Assessment of peripheral skin thickness by ultrasound (Dermascan) in patients of interstitial lung diseases – 1st Conference of the South Asia Association of Allergy, Asthma & Clinical Immunology (SAAAACI-2011), VP Chest Institute, 12-13 February 2011, 107.

**Kumar, R. and Goel, N. 2010.** Magnitude of the problem of smoking in southeast Asia, Manual on Tuberculosis HIV, and lung diseases–A practical Approach, (Editor Arora, V.K. published by Jaypee), Chapter 29, 379-88.

**Kumar, R. 2010.** Indoor air pollution from cooking fuel and lung health, occupational and environmental health, Vidyaniam Prakashan, 2010 (6), 57 70. Book Chapters:

**Kumar, R. and Goel, N. 2010.** Magnitude of the problem of smoking in southeast Asia, Manual on Tuberculosis HIV, and lung diseases–A practical Approach, (Editor Arora, V.K. published by Jaypee), Chapter 29, 379-88.

**Kumar, R. 2010.** Indoor air pollution from cooking fuel and lung health, occupational and environmental health, Vidyaniam Prakashan, 2010 (6), 57 70.

## PHARMACOLOGY (MAMC)

### Honours/Distinctions

**Dr. Uma Tekur:** Elected Member of National Academy of Medical Sciences.

### Seminars/Conferences attended

**Dr. Uma Tekur:** Attended and presented a paper in Indo-French Workshop in pharmacogenetics, Puducherry.

Chaired a session at International Conference on Pharmacovigilance Systems and Rational use of drugs, Delhi, November 2010.

**Dr. Vandana Roy:** Invited to FICCI Higher Education Summit: 2010, Renewed Focus on Autonomy, accountability & Partnerships organized by FICCI and Human Resource Ministry, Government of India, 11-12 November 2010.

**Dr. Shalini Chawla:** Attended and chaired a session in the International Conference on Pharmacovigilance & Rational use of Medicines: An integrated approach, Delhi, Nov. 2010.

**Dr. Gaurav Vishnoi:** Presented poster in Annual Conference of Clinical Biochemistry: Mumbai, India. Lipoprotein (a) as a prognostic marker in acute ischemic stroke patients.

**Dr. Gaurav Vishnoi and Dr. Pinky Dharmshaktu:** Presented poster in Pharmavigicon 2010, International Conference and CME cum workshop on pharmacovigilance and rational use of medicine; New Delhi, India. *New vision and future trends for better Pharmacovigilance in India* and Pharmavigicon 2010, International Conference and CME cum workshop on pharmacovigilance and rational use of medicine; New Delhi, India. *Pharmacovigilance of drugs used in treatment of Bronchial Asthma.*

**Dr. Bhupinder Kalra, Dr. Gobind Rai Garg, Dr. Gaurav Vishnoi, Dr. Ajay Halwai, Dr. Raktim Ghosh, Dr. Nitin Kaushik, Dr. Sarfaraz Jasdanwala, Dr. Pinky**



**Dharmshaktu and Dr. Yangshen:** Attended Pharmavigicon 2010, International Conference and CME cum workshop on pharmacovigilance and rational use of medicine; LHMC, New Delhi.

## **Publications**

### *Research Articles*

**Roy, V., Saxena, D., Agarwal, M., Bahadur, A.K. and Mishra, B. 2010.** 'Use of antimicrobial agents and granulocyte colony stimulating factors for febrile neutropenia in cancer patients in a tertiary care hospital in India'. *Ind J. Cancer*; 47: 436-442.

**Roy, V., Malhotra, R., Tayal, V., Bansal, B. and Gupta, K.S. 2010.** 'Fixed dose combinations for cough and common cold in India: an assessment of availability and rationality'. *Fundamental & Clinical Pharmacology*; 25: 258-266. doi:10.1111/j.1472-8206.2010.00840.x

**Roy, V., Gupta, D., Gupta, P., Sethi, G.R. and Mishra, T.K. 2010.** 'Pharmacokinetics of isoniazid in moderately malnourished children with tuberculosis'. *Int. J. Tuberc Lung Dis.*; 14(3): 1-3.

**Roy, V., Sahni, P., Gupta, P., Sethi, G.R. and Kumar, A.** Blood levels of pyrazinamide in children at doses administered under the revised national tuberculosis control programme of India (Abstract). Abstract brochure, National symposium on Therapeutic Drug Monitoring organized by Clinical Pharmacology Unit. CMC Vellore in association with International Association of Therapeutics Drug Monitoring & clinical Toxicology (IATDMCT), 23-25 February 2011.

**Tayal, V. and Roy, V. 2010.** Serratiopeptidase preparations in the Indian market: an assessment of availability and rationality (Abstract). Conference brochure November 2010. International Conference and Workshop on Pharmacovigilance and Rational Pharmacotherapeutics. Lady Hardinge Medical College, New Delhi.

**Kumar, A., Gupta, M., Jiloha, R.C. and Tekur, U. 2010.** 'Efficacy of olanzapine and sodium valproate given alone or as add-on therapy in acute mania. A comparative study'. *Methods Find Exp Clin Pharmacol.* 32(5): 319-24.

**Ghosh, R.K., Ghosh, S.M. and Chawla, S. 2010.** 'Pharmacogenomics- Practices and challenges'. *Aus Family Physician*, 39(10): 788-90.

**2010.** 'Promising Future of clinical trials in India- new career opportunities for doctors'. *Journal of clinical and diagnostic research*; 4: 2144-46.

**Sekhar, 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'. *J. Clin Pharmacol.*; 50(6): 688-92.



## PHYSIOLOGY (UCMS)

### Honours/Distinctions

**Dr. Abhinav Dixit:** Membership of National Academy of Medical Sciences.

**Satendra Singh:** Selected for the Foundation for FAIMER Fellowship at CMC Ludhiana, CMCL FAIMER South Asian Regional Institute.

**Savita Singh:** Awarded in 'The Health Summit 2010' in the World Congress on Drugless Therapies organized by the Global Open University, Nagaland held in Delhi, 7 April 2010.

### Seminars/Conferences attended

**Dr. M. Gupta, Dr. S. Singh and Dr. A. Dixit:** 23rd Annual Conference of the Indian Society for Atherosclerosis research International symposium ISARCON-2010 at UCMS, 13-14 November 2010.

**Dr. F. Khaliq and Dr. N. Vaney:** National Symposium on Sleep Apnea: An Update and Workshop on Nuts and Bolts of Sleep laboratory, VPCI, Delhi, 5-6 April 2010.

**Dr. S. Singh:** 14th Annual Convention of UPNNF, UPNEOCON 2010 at LLRM Meerut, 12-13 February 2011.

Preconference Workshop on 'Publication Ethics' at National Bioethics Conference-3 at AIIMS, 17 November 2010.

International Conference on Naturopathy and Yoga at Gwalior, 25-27 February 2011.

**Dr. N. Vaney:** 56th Annual Conference of Association of Physiologists and Pharmacologists of India, Wardha, 22-24 December 2010.

### Publications

**Acharya, A.S. and Dixit, A. 2010.** 'World No Tobacco Day'. *Ind J. Med Special*; 1(2): 64-66.

**Chandra, P., Khaliq, F., Vaney, N., Ahmed, T., Tripathi, A.K. and Banerjee, B.D. 2011.** 'Pulmonary function and oxidative stress in workers exposed to styrene in plastic factory'. *Hum Exp Toxicol*. 7 March (epub).

**Dhawan, S., Dixit, A., Riazada, A., Yadav, A., Vaney, N. and Kalra, O.P.** 'Hemodialysis improves cognitive functions in patients with end stage renal failure: evidence from bedside pencil and paper tasks'. *Ind J. Nephrol*; 20: S54.

**Dixit, A., Yumnam, A., Laksmi, V. and Vaney, N. 2010.** 'Ulnar Nerve involvement in adult Indian hypothyroid females: a preliminary study'. *J. Adv Res Biol Sc*; 2 (1): 73-6.

**Goyal, A., Dixit, A., Thawani, R. and Vaney, N. 2010.** 'Effect of caffeine on color word stroop task'. *Ind J. Physiol Pharmacol*; 54(2): 17.

- Khaliq, F., Alam, K.K., Vaney, N. and Singh, T.B. 2010.** 'Sensory, Cognitive and Motor Assessment of Children with Poor Academic Performance: An Auditory Evoked Potential Study'. *IJPP*; 54 (3); 255-64.
- Khaliq, F., Gupta, K. and Singh, P. 2010.** 'Stress, autonomic reactivity and blood pressure among undergraduate medical students'. *J. Nepal Med Assoc*; 49(177): 14-8.
- Khaliq, F., Singh, P., Chandra, P., Gupta, K. and Vaney, N. 2011.** 'Pulmonary functions in plastic factory workers: a preliminary study'. *Ind J. Physiol Pharmacol*; 55(1): 60-6.
- Shankar, N., Thakur, M., Tandon, O.P., Saxena, A.K., Arora, S. and Bhattacharya, N. 2011.** 'Autonomic status and pain profile in patients of chronic low backache pain and following electro-acupuncture therapy: Randomized control trial'. *Ind J. Physiol Pharmacol*; 55(1): 25-36.
- Shankar, N. 2010.** 'A comparative study of the antinociceptive effect of microinjection of morphine in the dorsal and ventral regions of the anterior pretectal nucleus of rat'. *Indian J. Pain*; 24: 32-6.
- Singh, S., Gupta, M. and Gautam, S. 2010.** 'Adaptogenic potential of herbal immunomodulators as new therapeutic approach to combat swine influenza A/H1N1 crisis'. *Journal of Clinical and Diagnostic Research*. 4: 3003-05.
- Singh, S., Soni, R. and Singh, K.P. 2011.** 'Diffusion capacity in asthmatics before and after yoga'. *Health and Social Transformation* (January), 220.
- Singh, S. Déjà vu:** The duplicate citation database as an ethical ombudsman. *Australasian Medical Journal*. 2010; 3: 78-80.
- Singh, S. 2011.** 'Infinite Ability'. *J. Med Ethics; Medical Humanities*; 37: 52-3.
- 2011.** 'Near peer teaching in South Asia: A buzz word or ground reality?' *Mymensingh Med J*; 20(1): 171-2.
- 2010.** 'Recent advances in physiological priming of spermatozoa'. *J. Hum Reprod Sci*; 3: 163-4.
- 2010.** 'Teaching the teachers-where next with faculty development?' *Al Ameen J. Med Sci*. 3(3): 259-60.
- 2010.** 'Senior resident training on educational principles (STEP): a proposed innovative step from a developing nation'. *J. Educ Eval Health Prof*; 7: 3.
- Soni, R., Singh, S. and Singh, K.P. 2011.** Effect of yoga practices in diffusion capacity on COPD patients. *Yoga for Health and Social Transformation* 2011 (January), 134.
- Swami, G., Singh, S., Singh, K.P. and Gupta, M. 2010.** 'Effect of yoga on pulmonary function tests of hypothyroid patients'. *Ind J. Physiol Pharmacol*. 54(1): 51-6.

**Thawani, R., Dixit, A., Goyal, A. and Vaney, N. 2010.** 'Psychomotor performance of medical students: studying effect of 24 hours of sleep deprivation'. *Ind J. Physiol Pharmacol*; 54(2): 23.

**Yumnam, A., Khaliq, F. and Vaney, N. 2010.** 'Event-related Potentials Study in Attention Deficit Hyperactivity Disorder'. *Functional Neurology*; 25 (2): 87-92.

**2010.** 'Visual Evoked Potential study in attention Deficit / Hyperactivity Disorder'. *Delhi Psychiatric Journal*; 13 (2): 294-297.

## PHYSIOLOGY (MAMC)

### **New courses/subjects introduced:**

Electrophysiology lab and Exercise physiology lab are set-up in the Department.

### **Honours/Distinctions**

**Dr. Rashmi Babbar:** Member "Board of editors for South Asia Advisory Board for "text books of Medical Physiology by A.C. Guyton and Hall; Member "Board of editors for South Asia Advisory Board" Lippincott Williams Wilkins book".

**Dr. A.K. Jain:** Received Delhi State Award for the year by Govt. of NCT of Delhi; Felicitated by degree MNAMS (2010) by National Academy of Medical Sciences, New Delhi.

### **Seminars/Conferences attended**

**Dr. Rashmi Babbar, Dr. Varshney, Dr. Bal Krishna, Dr. Daya Ram, Dr. Bajaj, Dr. Aarti Sood Mahajan, Dr. Mona Bedi, Dr. Shivani, Mrs. Sharmila Sanyal:** Attended National Symposium on 'Sleep apnea: An Update' at VPCI, 5-6 April 2010.

**Dr. A.K. Jain:** Attended 6th AS Paintal International orientation of VPCI, 24 Sept. 2010.

Attended Annual Conference of Delhi state chapter of the society of endoscopy and laparoscopic surgery of India, 23 October 2010.

**Dr. Mona Bedi, Dr. Varshney, Dr. Debashish Chowhury and Dr. Venkatesan:** Received special prize on paper presented entitled 'A study of autonomic functions and lipid profile in patients of episodic migraine', Attended International headache Conference 2010 organized by Department of Neurology, G.B. Pant Hospital, 26-28 November 2010.

### **Publications**

**Khullar, S. and Babbar, R. 2010.** 'Effect of electromagnetic waves generated by mobile phones on the auditory system', *Biomedicine-*, 30(1): 8-12.

**Jain, P., Mahajan, A.S., Jain, P. and Babbar, R. 2010.** 'Effect of partial sleep deprivation on auditory event related potential and reaction time in medical students'. *J.K. Science*: Vol. 12(1): 19-22.

**Aktar, N., Agarwal, S., Gautam, R. and Babbar, R. 2010.** 'Effect of pulse pressure on cognitive function', *Indian Journal of Medical Specialties*. pp. 1-8.

**Parveen, A., Babbar, R., Agarwal, S., Kotwani, A. and Fahim, M. 2010.** Publisher online 30 November 2010. 'Mechanaistic Clues in the Cardioprotective Effect of Terminalia Arjuna bark extract in isoprotectinol induced chronic heart failure in Rats'. *Cardiovascular Toxicol*.

**Sunita, Mahajan, A.S., Singh, N.P., Jain, A.K. and Mishra, T.K. 2010.** 'Exercise induced angina in sub clinical hypothyroid patients'. *Biomedicine*, 30(4): 584-87.

**Jain, A.K. 2010.** (4th edition) - A textbook of Human Physiology for BDS. New Delhi: Avichal Publishing Co.

## G.B. PANT HOSPITAL

### Honours/Distinctions

**Dr. M.M. Mehndiratta:** Awarded Dr. B.C. Bansal-Uma Bansal Oration titled 'Juvenile Myoclonic Epilepsy-Is it really benign?' on the occasion of Joint Annual Conference of Indian Epilepsy Association and Indian Epilepsy Society ECON 2011, Ludhiana, Feb. 2011.

**Prof. S. Tyagi:** Elected President of Cardiological society of India (DB); Expert at MCI, UGC and selection committees for medical teaching; On Editorial Board of Indian Heart Journal & reviewer in Catheterization and cardiovascular Interventions; DM Cardiology and DNB examiner to AIIMS, PGI, KGMC, National board and other universities in India.

**Dr. M.P. Girish:** Reviewer of DM and Catheterization and Cardiovascular Intervention journal (USA).

**Dr. Saibal Mukhopadhyay:** Received DP Basu memorial award for best research paper in CSI 2010 held at Kolkata.

**Dr. V. Dogra:** Referee for Evaluation of Scientific papers of Ind. J. Commun. Dis published from NICD, Delhi.

**Dr. Daljit Singh:** Awarded the Society for Civil rights and Human Relations award, Constitution club Delhi, 16 July 2010.

**Dr. A.K. Srivastava:** Recipient of 'Chikitsa Ratan' award - conferred by Delhi Medical Association on Doctor's day in July 2010.

**Dr. Ajay Sharma:** Awarded Man of the Year 2010 by American Biographic Institute Award, USA.

**Dr. V.K. Gupta:** Member, Editorial Board of Indian Journal of Clinical Biochemistry.

**Dr. A.S. Puri:** Reviewer of Journals: Indian Journal of Gastroenterology, Journal of Gastroenterology & Hepatology; Member Editorial board: Indian Journal of Gastroenterology; Member Editorial board-World Journal of Gastroenterology, Hepatology International, World Journal of Hepatology, Journal of Clinical & Experimental Hepatology; Reviewer of Journals Hepatology, Endoscopy, European Journal of Gastroenterology & Hepatology, Journal of Gastroenterology & Hepatology, Digestive Diseases & Sciences, Hepatology International, Indian Journal of Gastroenterology

**Dr. Sanjeev Sachdeva:** Reviewer of Journal: Indian Journal of Gastroenterology

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

**Dr. Debashish Chowdhury:** Organizing Secretary International Headache Conference 2010 at Maulana Azad Medical College Auditorium by the Department of Neurology, 26-28 November 2010.

**Dr. V.V. Batra:** Organized an International Conference on 'Renal Pathology for the Nephrologist' Department of Pathology at G.B. Pant Hospital, 22-23 January 2011.

**Dr. Anil Agarwal:** Annual Conference of Indian chapter of international association of hepatobiliary and pancreatic surgeons (IHPBA) was organized by the Gastroscopy department, 19-21 November 2010.

**Dr. M.M. Mehndiratta:** Organising Secretary: Joint 13th Annual Conference of Delhi Neurological Association (DNACON 2011) & Conferences on Tropical Neurological Disorders (CTND) & CNS Infections (TROPICON-2011).

**Dr. M.M. Mehndiratta:** Attended 7th World Stroke Congress, Seoul, Korea, 13-16 October 2010.

18th Asian Oceanian Epilepsy Congress, Melbourne, Australia, 21-24 October 2010.

62nd American Academy of Neurology, Toronto Canada, 10-17 April 2010.

**Dr. Sanjay Pandey:** Attended 2nd World Parkinson Congress, Glasgow, UK.

**Dr. Meena Gupta and Dr. M.M. Mehndiratta:** Attended 18th Annual Conference of IAN, Trichy, 24-26 September 2010.

**Dr. Meena Gupta, Dr. Vinod Puri, Dr. M.M. Mehndiratta, Dr. Geeta Khwaja, Dr. Debashish Chowdhury, Dr. Neera Chaudhry, Dr. Sanjay Pandey:** International Headache Conference at GB Pant Hospital, New Delhi, 26-28 November 2010.

**A. Bhargava, P. Loomba, B. Mishra, J. Taneja, A. Thakur, V. Dogra and M. Jain:** Annual Conference of Indian Society of Hospital Waste Management at India Habitat Centre on 30-31 October 2010. (Guest Lecture on Prevention of infection in Hospitals and Chaired a Session).

**Dr. Amit Banerjee and Dr Saket Agarwal:** Participated an invited faculty in WSCTS 20th World Congress & 6th Global Forum on Humanitarian Medicine held at CTC, Chennai, 20-23 October 2010.

**Dr. Saket Agarwal:** A rare case report poster presented in the 20th World Congress of the World Society of Cardio-thoracic Surgeons at Chennai, 20-23 October 2010.

A case report poster presented in the 57th Annual Conference of the Indian Association of Cardiovascular Thoracic Surgeons, February 2011.

**Dr. Ajay Sharma, Dr. Sanjiv Sinha, Dr. Dosing, Dr. A.K. and H. Srivatava:** Attended the Conference and presented papers. Joint meeting of 59th Annual Conference of Neurological society of India & congress of Neurological surgeons, Jaipur, 16-19 Dec. 2010.

**Dr. Daljit Singh, Dr. A.K. Srivatava, Dr. Rahul Gupta, Dr. Hukum Singh: Presented papers and Dr. Daljit Singh:** Chaired Session Cerebrovascular Society 10th Annual Conference, Bhubneshwar, 18-20 September 2010.

**Dr. Daljit Singh:** Attended International Workshop on Head Injury Apollo Hospital, 21-22 November 2010.

**Dr. Bhawna Singh and Dr. Binita Goswami:** Attended 37th Annual Conference of Clinical Biochemists of India, ACBICON 2010, Mumbai, 13-15 December 2010.

**Dr. Anil K. Agarwal:** Invited as Guest faculty to deliver talks/ chair sessions at several national & International Conferences including Laparoscopy 2010 of the Korean Society of Laparoscopic Surgery at Seoul, Korea in May 2010, World Congress of IHPBA at Argentina, April 2010, The 6th International Congress on Budd-Chiari Syndrome, China, AIIMS Surgery week, SGPGI GI Surgery week, MAMC Surgery update, National Conference of IASG & IHPBA.

**Dr. Amit Javed:** International Society of Gastrointestinal Oncology Conference, Philadelphia Presented oral paper: Palliative Stenting With or Without Radiotherapy for Inoperable Esophageal Cancer: A Randomized Trial, September 2010.

**Dr. S.K. Puri and Dr. L. Upreti:** Attended 4th SAARC radiology Conference at Nagpur, 7-8 August 2010.

**Dr. S.K. Puri:** Attended 13th Annual Conference of Indian Society of Cardiovascular and Interventional Radiology (ISVIR), PGIMER Chandigarh, November 2010.

**Dr. A.S. Puri, Dr. S. Sachdeva:** Attended ISGCON 2010, Hyderabad.

**Dr. A.S. Puri:** Attended SGEI-Conference -2010, Chennai.

**Dr. B.C. Sharma:** Attended INASL-Conference-2010, Bhubneshwar.

Attended APASL-Conference-2010, Beijing.

**Dr. Deepak Tempe:** Chaired a session: Annual Conference of the Delhi ISA, MAMC, New Delhi, 3-4 April 2010.

Cardiac Medications: current controversies, 2nd Annual Conference of the Society for cardiovascular and thoracic anaesthetists of Delhi and NCR.

**Dr. Rajiv Chawla:** Annual Conference of Indian Society of Anaesthesiologists at Lucknow: Moderator for the panel discussion on 'CPP in Trauma: What is optimum?' in Dec. 2010.

Annual Conference of the Indian College of Anaesthesiologists at Rohtak (ICACON: 2010) and delivered a talk on: Sudden Intraoperative Massive Thromboembolism – what can be done?

3rd Annual Conference of the Indian Society for Trauma and Acute Care and delivered a talk on 'Non technical Skills in Anesthesia and critical care'.

**Dr. Baljit Singh:** Delivered a talk on 'Neuropathic Pain', 25th Annual National Conference of Indian Society for Study of Pain organized by the Jabalpur chapter at Medical College Jabalpur, Madhya Pradesh in April 2010.

Invited as Guest Faculty and delivered a talk on the subject; Drug errors in anaesthesia, 58th Annual Conference of Indian Society of Anaesthesiologists (ISACON 2010) at SGPGI Lucknow, UP, 26-29 December 2010

Delivered a talk on 'Patient Safety during anaesthesia', 2nd Annual Conference of the Indian College of Anaesthesiologists at Postgraduate Institute of Medical Sciences & Research, Rohtak, 21-22 November 2010.

Delivered a talk on 'Peripheral Nerve Blocks' and chaired a session on Chronic Pain 11th Annual North Zone Conference of Indian Society of Anaesthesiologists organized by Department of Anaesthesiology & Critical Care, CMC Ludhiana, 12-14 November 2010.

**Dr. Vishnu Datt, Dr. Megha U Sharma, Dr. Deepak K Tempe, Dr. Sanjula Virmani, Dr. Mukesh K Garg, Dr. Rahul dutta, Dr. Baljit Singh and Dr. Chandrashekhar Joshi:** Attended IACTA, Delhi branch Conference at Medicity, Gurgaon in April 2010.

Attended ISA, 49th Annual Conference of Delhi branch and chaired a session on newer anaesthetic agents at MAMC, New Delhi, 3-4 April 2010.

Attended IACTA, Delhi branch Conference at Medicity, Gurgaon in April 2010.

Papers presented in ISA, 49th Annual Conference of Delhi branch at MAMC, 3-4 April 2010.

**Dr. Monica S. Tandon:** Panelist at the panel discussion on 'Superspecialisation in Anaesthesiology' in the Annual Conference of ISA Delhi held at MAMC, New Delhi, 4 April 2010.

Judge for the Kops paper award at the Annual Conference of ISA held at Lucknow.



**Dr. M.S. Tandon and Dr. P. Ganjoo, et. al.** Annual Conference of ISA Delhi, at MAMC, New Delhi, 4 April 2010.

**Dr. Anirban Chaudhuri:** Annual Conference of Indian Society of Obstetric Anesthesia - Invited Faculty- Importance of Preanesthetic assessment in Obstetric Anesthesia. Shillong; July 2010.

Annual Conference of ISA North East zone (NEZACON); Kaziranga (Assam) 31 October – 2 November 2010; Invited Faculty - Topic: Non-Conventional techniques of airway management in Difficult airway.

Invited faculty; Topic- Medicolegal concerns in operating room- anything new. Annual Conference of Indian Society of Medicolegal experts (IAMLE) Goa, January 2011.

### **Publications**

**Tempe, D.K. 2010.** New Delhi metallo-beta-lactamase-1. *Lancet Infectious Diseases*; 10: 750-1.

**2010.** Perioperative management of pulmonary hypertension. (Editorial) *Ann Card Anaesth*; 13: 89-91.

**Tempe, D.K., Dutta, D., Minhas, H., Garg, M. and Virmani, S. 2010.** ‘A rare case of myxoma in the right ventricular outflow tract extending to pulmonary artery’. *Ann Card Anaesth*; 13: 167-8.

**Gadhinglajkar, S.V., Sreedhar, R., Chandranmahaldar, D.A., Minhai, M.M. and Tempe, D.K. 2010.** (invited commentary). ‘Case 2-2010 Combined surgery for coronary artery disease, mitral stenosis and double chamber right ventricle’. *J. Cardiothorac Vasc Anesth*; 24: 356-63.

**Datt, V., Tempe, D., Virmani, S. and Datta, D., et. al. 2010.** ‘Anaesthetic management for emergency caesarean section and aortic valve replacement in a parturient with severe bicuspid aortic valve stenosis and congestive heart failure’. *Ann Card Anaesth*; 13: 64-8.

**Tempe, D.K., Virmani, S. and Javetkar, S. et. al. 2010.** ‘Congenital lobar emphysema, pitfalls and management’. *Ann Card Anaesth*; 13: 53-8.

**Datt, V., Tempe, D.K. and Singh, B., et. al. 2010.** ‘Anaesthetic management of patient with myasthenia gravis and uncontrolled hyperthyroidism for thymectomy’. *Ann Card Anaesth*; 13: 49-52.

**Virmani, S., Tempe, D.K. and Pandey, B.C. et. al.** ‘Acute normovolemic hemodilution is not beneficial in patients undergoing primary elective valve surgery’. *Ann Card Anaesth*; 13: 34-8.

**Tempe, D.K., Garg, M., Virmani, S. and Dutta, D. 2010.** ‘An unusual arterial pressure waveform’. *J. Cardiothorac Vasc Anesth*, July 2, [Epub ahead of print].

- Gupta, S., Agarwal, S., Pratap, H., Datt, V. and Banerjee, A. 2010.** Congenital aneurysm of left atrial appendage: A case report *J CARD SURG*; 25: 37-40.
- Tempe, D.K., Dutta, D., Garg, M., Minhas, H., Tomar, A. and Virmani, S. 2011.** 'Myocardial protection with isoflurane during off-pump coronary artery bypass grafting: a randomized trial'. *J. Cardiothorac Vasc Anesth.* Feb; 25(1): 59-65. Epub 2010 Jun 26. PubMed PMID: 20580572.
- Mehra, P., Mehra, M. and Singh, B. 2010.** 'Pain in the maxillofacial region. Can trigeminal neuralgia and atypical facial pain co-exist?' *Indian Journal of Pain*; 24: 66-68.
- 2010.** 'Global Year against Pain. Why acute pain?' *Indian Journal of Pain*; 24: 124-5.
- Wadehra, M.S. and Tandon, P. Ganjoo.** 'A two-bougie technique for safer oro- to nasotracheal tube exchange in a difficult airway'. *Anaesthesia*; 65, 12: 1231-1232.
- Ganjoo, S., Sethi, M.S., Tandon, D Singh and Pandey, B.C. 2010.** 'Perioperative complications of intraventricular neuroendoscopy: a 7-Year experience'. *Turkish Neurosurgery*; 20: 33-38.
- Ganjoo, P., Navakar, D.V. and Tandon, M.S. 2010.** 'Complete Heart Block complicating intracranial aneurysm surgery in a pregnant patient'. *Neurol India*; 58: 141.
- Suman, S., Ganjoo, P. and Tandon, M.S. 2010.** 'Difficult Extubation Due to Failure of an Endotracheal Tube Cuff Deflation'. *J. Anaesth Clin Pharmacol*; 26: 430-31.
- Wadehra, A., Ganjoo, P. and Tandon, M.S. 2010.** 'Guide Wire Loss During Central Venous Cannulation'. *Indian J. Anaesth*; 54: 587-8
- Aggarwal, A., Jain, M. and Jiloha, R.C. 2010.** 'Varenicline in treatment of smoke-less tobacco use'. *Journal of Post-graduate Medicine*.
- Jiloha, R.C. and Shekhawat, L. 2010.** 'Integration of Mental Health in Community Setting with Psychiatry for Person Concept'. *Delhi Psychiatry Journal*. 13(1): 12-17.
- Jiloha, R.C. 2010.** 'Deprivation, Discrimination, Human Rights Violation and Mental Health of the Deprived'. *Indian Journal of Psychiatry*. 52(3).
- 2010.** 'Biological Basis of Tobacco Addiction: Implications for tobacco-cessation treatment'. *Indian Journal of Psychiatry*. 52(4): 305-311.
- Jiloha, R.C. 2010.** 'Tobacco Control in India'. *Delhi Psychiatric Journal*. 13(2).
- Bhatia, N., Kishore, J., Anand, T. and Jiloha, R.C. 2010.** 'Occupational Stress amongst Nurses of Two Tertiary Care Hospitals in Delhi'. *Australasian Medical Journal*, 3, 11, 731-738.
- Gupta, M., Khwaja, G.A. and Chowdhary, D. 2010.** 'Genetic profile of patients with epilepsy on first line antiepileptic drugs and potential directions for personalized treatment represent and future medicine'. *Pharmacogenomics*; 11: 927-941.

**Puri, V. and Chaudhry, N. 2010.** 'Progressive Multifocal Leukoencephalopathy with Idiopathic Cd4+ T Lymphocytopenia: A Case Report and Review of Literature'. *Neurology India*; 58: 118-121.

**2010.** 'B vitamins in patients with recent transient ischaemic attack or stroke in the vitamins TO Prevent Stroke (VITATOPS) trial: a randomised, double-blind, parallel, placebo-controlled trial. VITATOPS Trial Study Group'. *Lancet Neurol.* 9: 855-65.

**Mohammad Wasay, Kaul, S., Menon, B., Narayanaswamy Venketasubramanian, N., Gunaratne, P., Khalifa, A., Pongvarin, N., Mohammad Saadatnia, Robert Ngo Gan, Alper Dai and Mehndiratta, M.M. 2010.** 'Ischemic Stroke in Young Asian Women: Risk Factors, Subtypes and Outcome Cerebrovasc Dis'; 30: 418-422.

**Mehndiratta, M.M. and Batla, A. 2010.** 'Value of EEG in Epeilepsy'. *JIMA*; 108: 410-7.

**Khwaja, G.A., Ranjan, R., Gupta, M., Chowdhary, D. and Prakash, O. 2010.** 'Diagnostic Challenge and Pitfalls of Tumefactive Multiple Sclerosis – a case report'. *JIACM*: 11: 72-77.

**Khwaja, G.A., Ranjan, R., Gupta, M., Chowdhary, D. and Hirve, M. 2010.** Valproate Induced Reversible 'Parkinsonism Plus'. *Syndrome JIACM*, 11: 235-238.

**Khwaja, G.A., Ranjan, R., Gupta, M., Chowdhury, D., Kushwaha, R.S. 2010.** 'Long Term Outcome of Intracranial and Cutaneous Cryptococcal Infection in an Immunocompetent Man – A Case Report'. *JIACM*; 11: 319-24.

**Chowdhury, D.** 'Acute Management of Migraine'. *JAPI* 201; 58: 21-25.

**Chaudhry, N., Radhakrishnan, A., Abraham, M., Kesavadas, C., Venkataraman, V., Radhakrishnan, P., Sarma, S., Radhakrishnan, K. 2010.** 'Selection of Ideal Candidates For Extratemporal Resective Epilepsy Surgery in A Country with Limited Resources'. *Epileptic Disord*; 12: 38-47.

#### *Abstracts*

**Mehndiratta, M.M. and Garg, R.K. P01.064** Change in Trends in the Occurrence of Young Stroke over the Last Two Decades – A Study from a Tertiary Care University Hospital, New Delhi (India) New Delhi, Delhi, India A38 NEUROLOGY 74 March 2, 2010 (Suppl 2).

P01.066 Pregnancy Related Stroke in Developing Asian Countries; Risk Factors, Subtypes, Presentation and Outcome. Wasay, M., Ahmed, S., Kauser, M., Karachi, Pakistan, Subhash Kaul, Hyderabad, India, Bindu Menon, Tirupati, India, Mohammad Saadatnia, Isfahan, Iran (Islamic Republic of), Malik, A., Karachi, Pakistan, Padma Gunaratne, Colombo, Sri Lanka, Mehndiratta, M.M. New Delhi, India A38 NEUROLOGY 74 March 2, 2010 (Suppl 2).

**Garg, R.K., Mehndiratta, M.M., Pandey, S. and Pandit, A.K. P01.069** Cerebral Venous Sinus Thrombosis in Males: Is It Uncommon or Under-Reported: New Delhi, Delhi, India A39 EUROLOGY 74 March 2, 2010 (Suppl 2).

- Mehndiratta, M.M., Garg, R.K. and Pandey, S. 2010.** P01.219 Nonmotor Symptoms in Parkinson's Disease with Special Reference to Anxiety and Depression. New Delhi, Delhi, India A74 NEUROLOGY 74 March 2, 2010 (Suppl 2)
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## UNIVERSITY COLLEGE OF MEDICAL SCIENCES

### New Courses/ Subjects Introduced

Diploma in Gynaecology and Obstetrics; Diploma in Child Care; M.Sc. Medical Imaging Technology (Radiography)

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Foundational Work for a Brain to Society Surveillance System for Innovation in Behavioural, Public Health and Cross Sector Strategy to Prevent Childhood Obesity and Other Lifestyle Related Health Problems : A Canada-India Collaboration to Set a Life Course of Healthy Eating at Local, National and Global Level.	Dr. S. Chaturvedi	ICMR-McGill University
Determinants of under nutrition in Children and Assessment of Management at Different levels of Health Care.	Dr. S. Chaturvedi	WHO, USAID
Concurrent Evaluation of the Reach, Effectiveness and Impact of Janani Shishu Swasthya Abhiyan (JSY) in Jharkhand.	Dr. S. Chaturvedi	MCH-STAR
An intervention to strengthen the IAPSM Epidemiological care hospital in Delhi, India.	Dr. R. Sharma	Ford Foundation mainstreaming of AYUSH in a tertiary Research Grant
Polymorphism of estrogen receptor alpha and beta and dihydroepiandrosterone sulphate and testosterone levels in patients with mild to moderate acne.	Dr. S.N. Bhattacharya	IMRG
Assessment of sub-clinical atherosclerosis in patients of psoriasis.	Dr. A. Singal	UGC

Comparative efficacy of topical Tacrolimus and Pimecrolimus in oral lichen planus; A randomized controlled trial.	Dr. A. Singal	IMRG
‘The role of mandatory attendance in enhancing quality of undergraduate teaching; an online questionnaire based study of the perspective of the medical fraternity in India’.	Dr. C. Grover	IMRG
Assessment of Knowledge of harmful effects and Exposure to Recreational Music in College students of Delhi.	Dr. N. Gupta	IMRG
Effect of polypharmaceutical drug Lipotab on isoproterenol induced chronic heart failure in rats.	Dr. A. Sharma	ICMR
Sociodemographic clinical and microbiological profile of patients with diabetic foot and to identify predictive factors for major amputation.	Dr. B.K. Jain	IMRG
Study of toxico-genomic factors and estrogen receptor beta status in carcinoma prostate and BPH.	Dr. S. Gupta	IMRG
Study of toxico-genomic factors in carcinoma urinary bladder.	Dr. S. Gupta	IMRG
Controlled study of risk factors in patients with BPH and carcinoma prostate.	Dr. S. Gupta	IMRG

### **Library Development**

Total Budget	
Books	: ₹ 15,00,000/-
Journals	: ₹ 75,70,000/-
Books added	: 529
Journals subscribed	: 182
Bound volume	: 20,426

## **Honours/Distinctions**

**Dr. N. Kaur:** Invited faculty for the CMCL- FAIMER Fellowship 2011 program at Ludhiana, 9-11 February 2011.

**Dr. A.K. Saxena:** Chief Executive Editor of Indian Journal of Pain; Invited by MCI as one of the experts for revision of UG Curriculum with reference to ANAESTHESIA, Critical care and Pain management; Member of the Establishment of Indian College of Anaesthesiologists (ICA), and also as the webmaster for the website of ICA; Nominated by Indian Society of Anaesthesiologist (ISA national) to the board of Directors, Indian confederation of Health care Accreditation (ICHA).

**Dr. A.K. Sethi:** Member of the National Advisory Board for Indian Journal of Medical Specialities for the subject of Anaesthesia.

**Dr. A. Singal:** Appointed Member Central Scientific Committee, IADVL, 2010-12; Member Editorial Committee for IADVL PG Text Book IVth Edition.

**Dr. A.K. Jain:** Commonwealth fellowship, UK.

**Dr. V. Arora:** Executive member, Indian Society of Otolaryngology, 2010-2011.

**Dr. N. Gupta:** Executive member, All India Rhinology society, 2010-2011.

**Dr. P.P. Singh:** President of Indian Society of Otolaryngology, 2010-2012.

**Dr. M.M.A. Faridi:** President, National Neonatal Forum, Delhi; Zonal Coordinator IAP PG Quiz; Divisional Coordinator, NNF, PG Quiz, October 2010.

**Dr. P. Gupta:** Editor-in-Chief, Indian Pediatrics; Member, Project Review Group on Child Health, ICMR; Joint National Co-ordinator, IAP-UNICEF National Program on Evidence based therapy of Diarrhea.

**Dr. A. Aggarwal:** Elected Executive Member, Indian Academy of Pediatrics; Member, National Advisory Board of Indian Journal of Practical Pediatrics; Coordinator North Zone –National Polio Eradication Committee of IAP.

**Dr. D. Shah:** Associate Editor, Indian Pediatrics; Member, ICMR Expert Committee for Project Reviews; Technical Expert for Literature Review on 'Prioritizing Newborn and Child Health in India: A Policy Advocacy Project' of UNICEF and Public Health Foundation of India (PHFI).

**Dr. M. Narang:** Member, Editorial Board, Indian Journal of Medicine & Paediatrics; Member, Task force to recommend IYCF in undergraduate curriculum.

**Dr. P. Dewan:** Executive Member, Editorial Board, Indian Pediatrics; Executive member, Delhi NNF.

**Dr. M.S. Bhatia:** Chairman, Publications Committee of ANCIPS; Editor, Delhi Psychiatry Society; Field Editor, Indian Journal of Psychiatry; Co-chairman CME Committee of Indian Psychiatric Society; Chairman CME Committee, Delhi Psychiatric Society; Member, Awards Committee, Delhi Psychiatric Society.

**Dr. A. Jhanjee:** Appointed Member, Awards Committee, Delhi Psychiatric Society, 2010 to 2012.

**Dr. P. Kumar:** Member, Scientific Committee & Publications Committee, 62<sup>nd</sup> Annual National Conference of Indian Psychiatric Society (ANCIPS 2011); Elected Member, Executive Council, Delhi Psychiatric Society.

**Dr. S. Srivastava:** Members, Publications Committee; Member, Executive Council, Delhi Psychiatric Society; Associate Editor, Delhi Psychiatry Journal; Member, Executive Council, Delhi Psychiatric Society; Assistant Editor, Delhi Psychiatry Journal.

**Dr. N. Kaur:** Executive member of the newly formed 'Association of Breast Surgeons of India', 27 March 2011.

### **Honours/Distinctions**

**Dr. M. Agarwal, Dr. S. Ahuja, Dr. S. Chaudhary and Dr. S.V. Madhu:** Kopp's award for best paper in paediatric Anaesthesia section at 58<sup>th</sup> Annual National Conference of ISA, 2010. Lucknow.UP. (Comparison of efficacy of caudal clonidine and fentanyl on neuroendocrine stress response in children undergoing lower abdominal surgeries), 26-27 December 2010.

**Dr. A.K. Saxena:** President IASP Eija A Kalso, MD, awarded Dr. Ashok Kr. Saxena as a member in good standing of the International Association of the study of Pain (IASP, Seattle, USA) and being active in the association, from 28 February 1994 to till date.

Awarded 'Distinguished Service Award' by Geriatric Society of India on the occasion of 7th international congress 2010 on geriatric care, New Delhi, 12 November 2010.

**Dr. Archana Singal:** Dr. Sardari Lal Memorial Award for excellence in Dermatology, 21 Nov. 2010.

**Dr. Deepika Pandhi:** Fellowship by the European Academy of Dermatology and Venereology (EADV) to attend the 19th Congress of the EADV held at **Gothenburg**, Sweden, October 2010.

**Dr. K. Guleria:** FOGSI-Corion award – Senior category for the best Scientific research work in Obstetrics & Gynecology for year 2010 by Federation of Obstetricians & Gynecologists of India (FOGSI) at 54th AICOG, Hyderabad, 9 January 2011.

FOGSI-Corion award – Senior category for the best Scientific research work in Obstetrics & Gynecology for year 2010 by Federation of Obstetricians & Gynecologists of India (FOGSI) at 54th AICOG, Hyderabad, 20 November 2010.

**Dr. U. Dhaliwal:** AIOS-IJO Gold Medal, February 2011.

**Dr. M. Chadha:** Awarded the North American Spine Society (NASS) Clinical Traveling Fellowship 2010 for 3 months at various centers at USA, October 2010.

A Mehta Gold Medal for best oral presentation <40 years at IOACON 2010, Jaipur, December 2010.

**Dr. P. Dewan:** 'Dr James Flett Endowment Award' for the best paper (second prize) on Social and Preventive Pediatrics at the Pedicon, 2011, held at Jaipur, 19-23 January 2011.

**Dr. S. Dheeraj:** Fellowship of Indian Academy of Pediatrics (FIAP), January 2011.

**Dr. M.S. Bhatia:** Medicon 2010 – Poster Award, 13 June 2010.

**Dr. S. Munjal:** Medicon 2010 – Poster Award, 13 June 2010.

**Dr. S.K. Bhargava:** Dr. Satya Pal Aggarwal Memorial Oration National Award-2010 by Indian Medical Association (AMS), 27 December 2010.

**Dr. V. Arora:** Foreign travel fellowship to France by Indian society of otology for year 2010-11.

**Dr. S. Bhatt:** NAMS fellowship under Junior Scientist exchange program for 2010 training in Interventional Radiology.

**Dr. A. Tandon:** NAMS fellowship under Junior Scientist exchange program for 2011. Awarded the NAMS Fellowship in 2010 for training in Interventional Radiology.

**Dr. S. Srivastava:** Selected and attended Faculty Summer fellowship training for software in Neuroimaging at I.I.T Delhi (11.06.2010 to 15.07.2010).

**Dr. A. Gupta:** Member, editorial board of Asian Journal of Medical Sciences.

**Dr. B.K. Jain:** Contributing Associate Editors-in-Chief, Editorial Board, World Journal of Gastroenterology.

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

**Dr. S. Ahuja:** Invited Panel Discussion: 'Superspecialization in Anaesthesiology' in Annual Conference of Delhi Chapter, Delhi, 3-4 April 2010.

Invited Chairperson: 'Pearls in Ophthalmic Anaesthesia' in 58<sup>th</sup> Annual National Conference of ISA; Lucknow, 26-29 December 2010.

**Dr. A. Tyagi:** Invited Pro-con session debate: General Anaesthesia versus Epidural Anaesthesia for abdominal SURGERY – Epidural anesthesia improves postoperative outcome. 58<sup>th</sup> Annual National Conference of Indian Society of Anaesthesiologists; Lucknow, 26-29 December 2010.

**Dr. M.S. Bhatia:** Invited by Government of Iran to deliver a lecture on Suicide Notes in 2<sup>nd</sup> International Conference of Forensic Medicine at Tehran, 2-3 March 2011.



Chaired a Session in Indo-Global International Conference at Delhi, 14-15 January 2011.

**Dr. N. Kaur:** Invited speaker on 'Curcumin in prevention and treatment of breast cancer' at the BIT Life Sciences 3<sup>rd</sup> World Cancer Congress 2010- Breast Cancer Conference, Shanghai, China, 25-27 April 2010.

Poster presentation on 'QOL and rehabilitation needs of Indian Breast Cancer Patients' at the 'Global Summit on International breast health', Chicago, USA, 9-11 June 2010.

Guest lecture on 'Oncoplastic and Reconstructive surgery of the breast' at the Xth International Surgical Society of Surgeons of Nepal [ISSN], Kathmandu, Nepal, 25-27 November 2010.

Panelist in 'Controversies in the management of breast cancer' at the 70<sup>th</sup> Annual Conference of Surgeons of India, Delhi, 15-20 December 2010.

**Dr. S. Ahuja, Dr. A. Tyagi and Dr. S. Chaudhary:** Annual Conference of Delhi Chapter ISA, Delhi, 3-4 April 2010.

58th Annual National Conference of ISA at SGPGIMS, Lucknow, 26-29 December 2010.

**Dr. S. Chaudhary:** ICACON -2010, Annual Conference of Indian College of Anaesthesiologist at Rohtak, 20-21 November 2010.

**Dr. A.K. Saxena:** 13th world congress on Pain held at Montreal, 29 August to 2 Sept. 2010.

**Dr. A.K. Saxena and Dr. A. Tyagi:** 58<sup>th</sup> Annual national Conference of ISA held at Lucknow, 27-29 December 2010.

**Dr. A. Tyagi:** 13th Asian Australasian Congress of Anesthesiologists at Fukuoka, Japan, 1-5 June 2010.

**Dr. A.K. Bansal:** Delivered a plenary talk at 2nd International Conference on Medical Negligence and Litigation in Medical Practice, Bardez, Goa, February 2011.

**Dr. S.N. Bhattacharya, Dr. C. Grover, Dr. D. Pandhi, Dr. A. Singal and Dr. A.K. Chatterjee:** Dermacon 2011, the 39th National Conference of Indian Association of Dermatologists, Venereologists and Leprologists (IADVL), Gurgaon, 3-6 February 2011.

**Dr. A.K. Chatterjee:** Cosmo-Lasercon (Exclusive Cosmetic Laser Surgery Conference), Mumbai, 7-8 January 2011.

**Dr. C. Grover:** International Symposium on Dermato Pathology organised by Bangalore Dermatological Society at Bangalore, 12-14 November 2010. – Free paper

'Aesthetics 2010' Conference on antiageing and cosmetic procedures, September 2010.

**Dr. D. Pandhi:** 19th Congress of the European Academy of Dermatology and Venereology held at Gothenburg, Sweden, 6-10 October 2010 – Free paper.

International Symposium on Dermato Pathology organised by Bangalore Dermatological Society at Bangalore, 12-14 November 2010.

**Dr. A. Singal:** 19th congress of the European Academy of Dermatology and Venereology held at Gothenburg, Sweden, 6-10 October 2010.

**Dr. V.P. Gupta:** All India Ophthalmological Society Conference at Ahmedabad, 3-6 February 2011.

**Dr. R. Jolly:** International Congress on Glaucoma Surgery, 12-14 November 2010.

**Dr. R. Jolly, Dr. D. Upreet, Dr. Vinod K and Dr. V.P. Gupta:** Delhi Ophthalmological Society (DOS) Conference: New Delhi, 16-18 April 2010.

**Dr. Vinod K:** Annual Conference of All India Ophthalmologic Society, Ahmedabad, Gujrat, 2-5 February 2011.

**Dr. M. Chadha:** IOACON Annual Conference of the Indian Orthopaedic Association, Jaipur, 9-12 December 2010.

16th Triennial Congress of the Asia Pacific Association (APOA) held at Taipei, Taiwan, November 2010.

49th ISCoS (International Spinal Cord Society) Conference held at New Delhi, October 2010.

**Dr. S. Kumar:** Paediatric Orthopaedic Trauma National Symposium and Workshop, Apollo Hospital, New Delhi, 13 August 2010.

Annual Conference of Orthopaedics Association IOACON 2010, Jaipur, 9-12 Dec. 2010.

**Dr. A. Pankaj:** International Symposium on Shoulder Surgery, Fortis Hospital, Delhi, 13-14 November 2010.

2nd Basic Knee & Shoulder Arthroplasty workshop & 6<sup>th</sup> International Symposium on Knee & Shoulder Arthroscopic Surgery, Indian Spinal Injury Center, Delhi, 25-26 February 2011.

**Dr. P. Mishra:** DOACON 2010, Annual Conference of Delhi Orthopedic Association, VMMC and Safdarjung Hospital, Delhi, 9-10 January 2011.

**Dr. Arun Goyal:** Annual Conference, AOI Bihar and Jharkhand branch, December 2010.

**Dr. N. Gupta:** 25th Australasian Rhinology Society Conference Sydney, Australia, 3-5 September 2010.

**Dr. A. Aggarwal:** National Childhood Disability Conference 2010, 7<sup>th</sup> Annual Conference of Childhood Disability Group, MAMC, New Delhi, 12 November 2010.

Chaired a session on "Neonatology – Recent Advances" at Annual Conference of Indian Academy of Pediatrics Delhi, 50<sup>th</sup> Golden Year, New Delhi, 11 December 2010.

Participated as faculty in Debate-Deflazacort in children. 48th Annual Conference of Indian Academy of Pediatrics, Jaipur, 19-23 January 2011.

**Dr. M.M.A. Faridi:** 23rd Conference of the Indian Society for Atherosclerosis Research: International Symposium on Atherosclerosis from Bench to Beside 'ISARCON-2010, Delhi, 13-14 November 2010.

**Dr. S. Gomber:** 48th National Conference of Indian Academy of Pediatrics (PEDICON 2011), Jaipur, 19-23 January 2011.

**Dr. P. Gupta:** National Conference, Indian Academy of Pediatrics, 19-23 January 2011.

**Dr. H. Mittal:** 7th Annual Conference of Childhood Disability Group, MAMC, New Delhi, 12 November 2010.

**Dr. M. Narang:** 48th National Conference of Indian Academy of Pediatrics (PEDICON 2011), Jaipur, 19-23 January 2011.

**Dr. D. Shah:** Annual Conference of IAP, Delhi, 11 December 2010.

PEDICON-2011: 48th Annual National Conference of Indian Academy of Pediatrics at Jaipur, 19-23 January 2011.

**Dr. H. Grewal:** 7th international Conference of pediatric Dentistry at Manila, 7-8 July 2010.

Dentistry Vision Conference at New Delhi, 12-13 September 2010.

Indo-British Dental Conference at New Delhi, 18 February 2011.

**Dr. N. Kalra:** Annual Conference of European Academy of Pediatric Dentistry at Harrogate (UK) in May 2010.

**Dr. A. Khatri and Dr. R. Tyagi:** 32nd ISPPD National Conference at Amritsar, 12-14 November 2010.

**Dr. S. Agarwal:** 23rd Annual Conference of Indian Society for Atherosclerosis research at UCMS. 11th Apr 2010

59th Annual Conference of IAPM at Hyderabad, 13-14 November 2010.

Current Concepts in Carcinoma Cervix at 59th Annual Conference CME of IAPM at Hyderabad, 9-12 January 2011.

**Dr. K. Malhotra and Dr. U. Rusia:** Silver Jubilee Annual Conference of IAPM, Delhi Chapter-LHMC, New Delhi, 11 April 2010.

**Dr. U. Rusia:** International Conferences on 'Pathology of Environmental Lung disease' at VPCI, 30 November 2010.

**Dr. M. Sikka:** 51st Annual Conference of ISHTM at Kolkata, 19-21 November 2010.

**Dr. N. Wadhwa:** Seminars on Molecular Diagnostics in Onco Pathology, Tata Memorial Centre, Mumbai, 11-13 February 2011.

**Dr. S. Halder, Dr. S. Jain, Dr. N. Khanna and Dr. P.K. Mediratta:** 23rd Annual Conference of the Indian Society for Atherosclerosis Research: from Bench to Bed side, UCMS, 13-14 November 2010.

International Conference and CME cum Workshop on Pharmacovigilance systems and Rational Use of MEDICINES: an integrated Approach, Lady Hardinge Medical College and Associated Hospitals, New Delhi, 26-28 November 2010.

**Dr. N. Wardhan:** National Symposium on Translational Research in New Drug Development, VPCI, 12-13 January 2011.

**Dr. N.K. Aggarwal, Dr. M.S. Bhatia, Dr. S. Srivastava, Dr. S.K. Verma and Dr. S.K. Bhargava:** 62nd Annual National Conference of Indian Psychiatric Society (ANCIPS 2011), Delhi, 18 January 2011.

**Dr. M.S. Bhatia:** International Headache Conference held at Delhi, 26-28 Nov. 2010.

Annual Conference of Delhi Psychiatric Society at India Islamic Center, Delhi, 28 November 2011.

International Conference cum Workshop on Building Partnership in Community Mental Health by Directorate of Health Services, MoHFW in collaboration with Asia- Australia Mental Health Society & NIHF, Munirka, Delhi, 17-19 February 2011.

**Dr. A. Jhanjee:** Annual Conference of Delhi Psychiatric Society at India Islamic Center, Delhi, 28 November 2011.

Centre of Excellence for Relapse Prevention (CERP) Workshop held at New Delhi, 23 November 2010.

International Headache Conference at Delhi. 26-28 November 2010.

**Dr. P. Kumar:** International Headache Conference at Delhi. 26- 28 November 2010.

Annual Conference of Delhi Psychiatric Society at India Islamic Center, Delhi, 28 November 2011.

Prescription Errors in Psychiatry” in 62nd Annual National Conference of Indian Psychiatric Society at Delhi, 17 January 2011.

**Dr. S. Srivastava:** Annual National Conference of Indian Association of Social Psychiatry. Cochin, Kerala, 17-19 2010.

International Headache Conference at Delhi, 26-28 November 2010.

Prescription Errors in Psychiatry” in 62nd Annual National Conference of Indian Psychiatric Society at Delhi. 17 January 2011.

**Dr. S.K. Bhargava:** 4th SAARC Radiology Conference -2010 at Nagpur, India, 7- 8 August 2010.

9th Congress of Asian Federation of Societies for Ultrasound in Medicine and Biology at Ashoka Hotel, NewDelhi, 18 -21 November 2010.

**Dr. S. Bhatt:** 23rd Annual Conference of Indian Society for Atherosclerosis Research (ISARCON 2011 and International Symposium on Atherosclerosis from bench to bed side at UCMS Delhi. 13-14 November, 2011.

**Dr. A. Tandon, Dr. S. Bhatt and Dr. V. Rathi:** Attended National Annual Conference of Radiology and Imaging 2011 at Hotel Ashok, New Delhi,. 28-31 January 2011.

**Dr. N. Agarwal, Dr. S. Gupta, Dr. D. Mohanty, Dr. P. Saini, Dr. S. Saha, Dr. N. Sharma and Dr. A. Gupta:** ASICON2010, Annual Conference of Association of Surgeons of India, AIIMS, Delhi. 15- 20 December 2010.

**Dr. N. Kaur:** 3rd World Cancer Congress 2010- Breast cancer Conference, Shanghai, China, 25-27 April 2010

“Global Summit on International breast health”, Chicago, USA. 9-11 June 2010.

Xth International Surgical society of Surgeons of Nepal, Kathmandu, Nepal. 25- 27 November 2010.

Panelist in “Controversies in the management of breast cancer” at the 70th Annual Conference of surgeons of India, Delhi, 15-20 June 2010.

### **Publications**

**Ahuja, S., Chaudhary, S., Aggarwal, M. and Madhu, S.V. 2010.** Comparison of efficacy of caudal clonidine and fentanyl on neurocrine stress response in children undergoing lower abdominal surgeries. (Abstract in proceedings of National Conference of ISA.

**Ahuja, S., Chaudhary, S., Divyang, S. and Kaur, I. 2010.** Incidence of thrombophlebitis following routine intravenous cannulation with 20 G and 18 G cannula for elective surgical procedures-correlation with microbiological culture. (Abstract: In proceedings of Annual Conference of ISA Delhi Chapter.

**Ahuja, S., Chaudhary, S., Jain, N. and Ahmed, Z. 2010.** Comparison of Dexmedetomidine and Clonidine as adjuvant to hyperbaric bupivacaine in spinal Anaesthesiafor lower limb orthopaedic surgeries. (Abstract: In proceedings of Annual National Conference of ISA.

**Ahuja, S., Chaudhary, S. and Murthy, P. 2010.** Co-morbidities in patients presenting for elective Surgery-a preliminary audit in the pre-Anaesthesia clinic of a tertiary care hospital. (Abstract: In proceedings of Annual Conference of ISA Delhi Chapter.

**Chaudhary, S., Ahuja, S., Arora, N. and Shankar, N.** Factors influencing microbial colonization of epidural catheter tip and the insertion site (Abstract).

**Chaudhary, S., Motiani, P., Behl, N. and Sethi, A. 2011.** 'Intrathecal sufentanyl versus Fentanyl for lower limb surgeries-A randomized controlled trial'. *J. Anesth Clin Pharmac*; 27(1): 67-73.

**Chaudhary, S., Nabi, N., Ahuja, S. and Goel, A. 2011.** 'A rare case of laryngeal web excision by co2 laser in a child: An anaesthetic challenge'. *J. Anesth Clin Pharmac*; 27(1): 119-20.

**Chaudhary, Ahuja, S. and Jain, M. 2010.** Haemodynamic profile and characteristic of subarachnoid block following intrathecal clonidine as adjuvant to hyperbaric bupivacaine in patients undergoing bladder Surgery. (Abstract in proceedings of National Conference of ISA held at SGPGIMS).

**Chilkoti, G., Sharma, C.S., Kocchar, A., Agarwal, D. and Sethi, A.K. 2010.** 'An Overview of Clinical Research for Anesthesiologists'. *J. Anaesth Clin Pharmacol*; 26(4): 446-50.

**Goswami, D., Das, J. and Saxena, A.K. 2010.** 'Are we getting anywhere in chronic persistent post surgical pain? A critical review of current perspective and future strategies'. *Indian J. Pain*; 24: 81-6.

**Jain, A.K., Tyagi, A. and Kumar, S. 2010.** 'Manufacturing Defect in a Single Use Flexible Catheter Mount'. *J. Anaesth Clin Pharmacol*; 26(3): 422-23.

**Joshi, N., Sharma, C.S. and Saxena, A.K. 2010.** 'Comparative evaluation of analgesic efficacy of intrathecal clonidine with bupivacaine versus intrathecal midazolam with bupivacaine in patients undergoing caesarean sections'. *Indian J. Pain*; 24: 41-5.

**Kumar, S., Jain, A.K. and Tyagi, A.** Use of Intraoperative Morphine: An Audit. (Abstract in Proceedings of Annual Conference of ISA Delhi Chapter, held at Delhi; 3rd to 4th April 2010).

**Kumar, S., Patel, S., Pranav and Saxena, A.K. 2010.** 'Vertebroplasty and Kyphoplasty: The spine intervention techniques'. *Indian J. Pain*; 24: 122-34.

**Mohta, M., Janani, S.S., Sethi, A.K., Agarwal, D. and Tyagi, A. 2010.** 'Comparison of phenylephrine hydrochloride and mephentermine sulphate for prevention of post-spinal hypotension'. *Anaesthesia*; 65: 1200-1205.

**Mohta, M. 2010.** 'If airconditioning is not functioning'. *Indian J. Anaesth*; 54: 580.

**2011.** 'Phenylephrine – need for another formulation'. *British Journal of Anaesthesia* – Out of the blue E-letters.

**2010.** 'Timing of dexamethasone administration'. *Medical Science Monitor*; 16(8): LE12.

- Motiani, P., Ahuja, S. and Ramachandran, R. 2010.** 'Clinical course and hospital outcome of patients with COPD admitted to an ICU for ventilatory support'. *J. Anesth Clin Pharmacol*; 26(2): 139-280.
- Nabi, N., Chaudhary, S., Ahuja, S. and Goel, A. 2011.** 'A rare case of laryngeal web excision by CO2 laser in a child: An anaesthetic challenge'. *J. Anesth Clin Pharmacol*; 27(1): 119-20.
- Saxena, A.K., Batra, J., Dhakate, G. and Batra, A. 2010.** 'Evidence-based interventional pain Medicine in complex regional pain syndrome: update on this methodological minefield and the challenges ahead'. *Indian J. Pain*; 24: 16-27.
- Saxena, A.K. 2010.** 'Intravenous paracetamol: A tiny silver lining in the ominous cloud and making solid inroads in combating the epidemic of postsurgical pain'. *Indian J. Pain*; 24: 113-15.
- 2010.** 'Microglia and Astrocytes: A breakthrough drug discovery target for neuropathic pain and are we out of the woods yet?'. *Indian J. Pain*; 24: 78-80.
- 2011.** Pulsing away pain with pulsed radiofrequency ablation in the management of chronic pain syndromes. Proceedings 26<sup>th</sup> annual Conference – ISSPCON. (Held at PGI Chandigarh): 41-43.
- 2010.** 'Should we comprehend that a very high electromagnetic field produced by pulsed radiofrequency (PRF) works through ablation?: Pulsing away pain and moving forward with PRF'. *Indian J. Pain*; 24: 1-2.
- Tyagi, A., Agrawal, D., Gupta, S., Kumar, A., Mohta, M. and Sethi, A.K. 2010.** 'Role of Breathing System Filter in Prevention of Postoperative Nosocomial Respiratory Infection: A Pilot Study'. *J. Anaesth Clin Pharmacol*; 26(3): 345-49.
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- Tyagi, A., Kakkar, A., Kumar, S. and Sethi, A.K.** Minimum Effective Dose of Hyperbaric Bupivacaine in Severely Preeclamptic Patients. Abstract in Proceedings of 58th Annual National Conference of ISA at Lucknow, Uttar Pradesh; 26th to 29th Dec. 2010.
- Tyagi, A., Kumar, S., Dhaliwal, U. and Sethi, A.K.** Factors affecting choice of Anaesthesiology amongst medical students. (Abstract in Proceedings of 58th Annual National Conference of ISA at Lucknow, Uttar Pradesh; 26-29 December 2010).
- Tyagi, A., Seelan, S., Sethi, A.K. and Mohta, M. 2010.** 'Role of thoracic epidural block in improving post-operative outcome for septic patients: a preliminary report'. *Eur J. Anaesthesiol.* [Epub ahead of print] PubMed PMID: 21119517.



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## V.P. CHEST INSTITUTE

### Major Activities

The Viswanathan Chest Hospital attached to the Institute is a tertiary care Chest Hospital with state-of-the-art equipment. A new 64 multi-slice CT scanner was installed in the hospital this year. A large number of patients from Delhi and other parts of the country utilize the facilities available in the hospital. Eight-bedded Respiratory Intensive Care Unit, Cardio-pulmonary Rehabilitation Clinic and Tobacco Cessation Clinic are integral part of the Institute providing excellent diagnostic and treatment facilities to thousands of patients thronging the hospital for relief.

### New Courses/Subjects Introduced

DM (Pulmonary Medicine) Course

Diploma course in Allergy and Clinical Immunology.

### Library Development

Total Budget/expenditure	:	₹ 76,71,600/-
Books added	:	21
Journals subscribed to	:	99

### Honours/Distinctions

**Prof. S.N. Gaur:** 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.

**Prof. A. Ray:** Member, Project Review Committee and Committee for Central Council for Research in Unani Medicine (CCRUM) archiving, Department of Ayurveda, Yoga & Naturopathy, Unani, Siddha and Homoeopathy (AYUSH); Member, Expert Committee, Ministry of Chemicals and Fertilizers, Govt. of India, New Delhi; Visiting Scientist, Departments of Pharmacology, South Illinois University Medical School, Springfield, IL, USA.

**Prof. S.K. Chhabra:** Oration delivered at the 12<sup>th</sup> Joint National Conference of Pulmonary Diseases of the Indian Chest Society and the National College of Chest Physicians (India) NAPCON 2010. Jodhpur, 26-30 November 2010.

**Prof. K. Ravi:** Member, Life Sciences Research Board, Defence Research Development Organisation, New Delhi; Member, MCI inspection Committee for S.P. Medical College, Bikaner, Rajasthan; Member, Expert Committee for selection of Professor, AIIMS, New Delhi; Received invitation from Wolters Kluwer Publishing House for revising the chapter "Respiration" for Best and Taylor's Text Book of Physiology; Received invitation from Lambert Academic Publishing for writing a monograph on Oxidative stress and obstructive sleep apneas syndrome.



**Prof. S.K. Bansal:** Panel of Experts, Medical Council of India Assessor for assessment of teaching facilities for increase of seats in M.D. (Biochemistry) under Annamalai University.

**Prof. Raj Kumar:** Section Editor, Occupational Disorders and Research Methods, *Lung India*, an official publication of the Indian Chest Society; Member, Editorial Board, *Current Allergy and Asthma Report*, 2010; Treasurer, South Asia Association of Asthma, Allergy & Clinical Immunology.

**Dr. Madhu Khanna:** Editor, *Journal of Virology Research*; Editor, *International Journal of Immunology Research*.

**Dr. Anuradha Chowdhary:** Awarded Travel Grant for an advanced training in molecular epidemiology of pathogenic fungi at the Canisius Wilhelmina Ziekenhuis, Medical Centre, the Radboud University Nijmegen, The Netherlands.

**Dr Anita Kotwani: Member,** Member, Task Force Committee, Ministry of Health and Family Welfare, Govt. of India, to assess, review and suggest measures on Antimicrobial Resistance, and develop a National Antibiotic Policy; Technical Supervisor, WHO, for two projects on price and availability of children medicines in Chhatisgarh and Orissa States; Received Poster Finalist Award for paper “Antibiotic prescribing practices of primary care prescribers for diarrhea in New Delhi, India” submitted to International Society for Pharmacoeconomics & Outcome Research for ISPOR-AP Conference, Phuket, Bangkok, September 5-7, 2010; Member, Institute Ethics Committee, Dr B. R. Ambedkar Centre for Biomedical Research (ACBR), University of Delhi; Executive Member, International Society for Pharmacoeconomics and Outcome Research (ISPOR), Indian Chapter.

**Dr Kavita Gulati:** Awarded the Uvnas Prize of the Indian Pharmacological Society for Best paper published in the area of Biogenic amines and Autacoids, 43<sup>rd</sup> Annual Conference of the Indian Pharmacological Society, Hyderabad; Awarded Travel Grant by UGC, Govt. of India for participating in the 16th World Congress of Basic and Clinical Pharmacology (World Pharma2010), Copenhagen, July 17-23, 2010; Awarded Travel Grant by ICMR, Govt. of India for participating in the World Congress on Steroids, Chicago, IL, USA; Visiting Scientist, South Illinois University, Springfield, USA.

**Dr Vishwajeet Rohil:** External Expert, Practical Examination / Viva Voce for B. Tech., Bioenergetics, Guru Gobind Singh Indraprastha University.

**Dr Ritu Kulshrestha:** Secretary, Pulmonary Pathology Society of India (PPSI); Treasurer, Society for Tobacco Control; External Examiner for Annual examination in Pathology, Dept. of Physiotherapy, Jamia Millia Islamia, Delhi.

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

International Conference on Pathology of Environmental Lung Diseases (POED 2010), Delhi, 29-30 November 2010.

2nd Annual Conference of the International Association of Medical and Pharmaceutical Virologists, Delhi, 3-5 March 2011.



## **Seminars/Conferences attended**

**Dr. V.K. Vijayan:** Lecture on 'Health issues in spaceflight and lunar surface', Conference on 'Management of Respiratory Diseases in 2010' organised by Environmental Medical Association, Mumbai, 13 June 2010.

Lecture on 'Respiratory consequences of tobacco consumption', National Conference on Tobacco or Health, Tata Memorial Hospital, Mumbai, 23-25 September 2010.

Lecture on 'Management of difficult asthma', 44<sup>th</sup> Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON-2010), Geetanjali Medical College and Hospital, Udaipur, 22-24 October 2010.

Lecture on: Environmental lung diseases: an overview and Chaired a session on Smoking related small airways disease and BAL in environmental lung disease, International Conference on Pathology of Environmental Lung Diseases (POED 2010) Delhi, VPCI, University of Delhi, Pulmonary Pathology Society of India and the Pulmonary Pathology Society, Division of American Society of Investigative Pathology, 29-30 November 2010.

Lecture on 'Pulmonary eosinophilia: recent advances', 4<sup>th</sup> National Update in Respiratory Medicine 2010, Department of Pulmonary Medicine, P.D. Hinduja National Hospital, Mumbai, 3 December 2010.

Lecture on 'Sleep and obstructive sleep apnea', 4<sup>th</sup> National Conference of the Indian Society for Sleep Research, organised by Sree Chitra Thirunal Institute for Medical Sciences and Technology, Thiruvananthapuram, 13 December 2010.

Lecture on 'Novel therapies in bronchial asthma', APICON CME Programme, 66<sup>th</sup> Annual Conference of Association of Physicians of India (APICON 2011), organised by Association of Physicians of India, Ahmedabad, 6-9 January 2011.

Organising Chairman and Chaired a session on Influenza and para influenza viruses 2<sup>nd</sup> Annual Conference of the International Association of Medical and Pharmaceutical Virologists, Delhi, VPCI, University of Delhi, 3-5 March 2011.

**Prof. A. Ray,** Lecture on 'The philosophy of ayurveda and beyond', 16<sup>th</sup> World Congress of Basic and Clinical Pharmacology (WorldPharma 2010) Copenhagen, Denmark, International Union of Pharmacology (IUPHAR), 17-23 July 2010.

Lecture on 'Drug prescribing in extremes of age', National Symposium on Rational Drug Therapy and Clinical Trials, Moga, Punjab, ISF College of Pharmacy, 29-30 October 2010.

**Prof. S.B. Pandey:** Delivered Memorial Oration Lecture on Nitric oxide: a novel neuromodulator and an endogenous adaptogen during stress, 43<sup>rd</sup> Annual Conference of the Indian Pharmacological Society, Hyderabad, Indian Pharmacological Society, 13-16 December 2010.

Organising Secretary and Chaired Session V, National Symposium on Translational Research in New Drug Development Delhi, VPCI, University of Delhi, 12-13 January 2011.

Participated in a panel discussion on New drug development in viral infections, 2<sup>nd</sup> Annual Conference of the International Association of Medical and Pharmaceutical Virologists Delhi, V.P.C.I., University of Delhi, 3-5 March 2011.

Presented a paper on Neurosteroids attenuate stress-induced angiogenesis in rats: possible role of free radicals, International Congress on Steroid Research, Chicago, USA, Elsevier and the Endocrine Society, 27-29 March 2011.

Lecture on: Nitric oxide: An endogenous adaptogen during stress, Dept. of Pharmacology, South Illinois University Medical School Springfield, IL, USA, 30 March 2011.

**Prof. S.K. Bansal:** Chaired a scientific session on Phytochemistry and toxicology, National Conference on Seabuckthorn: Promoting Health and Promoting Environment, Delhi, D.I.P.A.S., 26-27 November 2010.

**Prof. K. Ravi:** Lecture on: Treatment of obstructive sleep apnea: a translational approach, National Symposium on Translational Research in New Drug Development Delhi, VPCI, University of Delhi, 12-13 January 2011.

**Dr. Mandira Varma:** Presented a paper on Genotypic diversity of *M. tuberculosis* isolates from patients of pulmonary tuberculosis in North Delhi region, India, 41st Union World Conference on Lung Health Berlin, Germany, International Union Against Tuberculosis and Lung Diseases, 11-15 November 2010.

**Dr. Anuradha Chowdhary:** Presented papers on Comparison of antifungal susceptibility profiles of clinical and environmental isolates of *Cryptococcus neoformans* var *grubii* and *Cryptococcus gattii* serotype B from north-western India, *In vitro* antifungal susceptibility of clinical isolates of *Aspergillus* spp. and other pathogenic molds' and Seasonal variations in the prevalence of *Cryptococcus neoformans* var *grubii* and *Cryptococcus gattii* in decayed wood inside trunk hollows of diverse tree species in north-western India: A retrospective study, XXXIV Annual Congress of Indian Association of Medical Microbiologist, Kolkata, Indian Association of Medical Microbiologists, 24-28 November 2010.

Presented a paper on *In vitro* susceptibilities of 51 clinical zygomycetes isolated in Delhi/ New Delhi area, The Dynamics of Zygomycete Research in a Changing World. A Workshop on Zygomycete Biodiversity Utrecht, The Netherlands, International Society for Human and Animal Mycology, 3-5 March 2011.

**Dr. Anita Kotwani:** Presented activities of ISPOR-India Chapter, 2010 ISPOR Board of Directors 'Open Meeting' during Annual International Conference of ISPOR, Atlanta, USA, International Society for Pharmacoeconomics & Outcome Research, 14 May 2010.

**Dr. Madhu Khanna:** Presented a poster on inhibition of viral replication by down regulation of NS1 gene of influenza A virus, International Conference on Emerging Infectious Diseases, Atlanta, GA, USA, Centers for Disease Control and Prevention, 11-14 July 2010.

Organising Secretary 2nd Annual Conference of the International Association of Medical and Pharmaceutical Virologists, Delhi, VPCI, University of Delhi, 3-5 March 2011.

**Dr. Anita Kotwani:** Presented papers on 'Prescribing antibiotics for acute respiratory tract infections by primary care physicians' in New Delhi, 'India and Need for improving access to essential medicines and treatment behavior to bronchial asthma a chronic diseases', Annual International Conference of ISPOR Atlanta, USA. International Society for Pharmacoeconomics & Outcome Research, 15-19 May 2010.

Presented papers on Antibiotic prescribing practices of primary care prescribers for diarrhea in New Delhi, India and Pharmaceutical procurement and supply chain in public and private sector in Delhi, India, International Society for Pharmacoeconomics & Outcome Research – Asia Pacific Conference, Phuket, Thailand, International Society for Pharmacoeconomics & Outcome Research – Asia Pacific Conference, 5-7 September 2010.

Lecture on 'Adapting the WHO-HAI pricing methodology to suit the region and specific survey Symposium on Better Medicines for Children', 43<sup>rd</sup> Annual Conference of the Indian Pharmacological Society, Hyderabad, Indian Pharmacological Society, 13-16 December 2010.

**Dr. Kavita Gulati:** Presented a paper on Evaluation of the efficacy and pharmacodynamics of UNIM- 352, a polyherbal drug, in bronchial asthma: A reverse pharmacology approach, 16<sup>th</sup> World Congress of Basic and Clinical Pharmacology (WorldPharma 2010), Copenhagen, Denmark, Danish Society of Pharmacology and British Pharmacology Society, 17-23 July 2010.

Lecture on 'Adverse drug reaction monitoring in patients of bronchial asthma and COPD with focus on methylxanthines', International Conference on Pharmacovigilance and Rational Use of Medicine: an Integrated Approach, New Delhi, Indian Society for Rational Therapeutics and Society of Pharmacovigilance (India) and Lady Harding Medical College, 26-28 November 2010.

Lecture on: Physiological and behavioural correlates of stress induced angiogenesis in rats: possible role of free radicals, 43<sup>rd</sup> Annual Conference of the Indian Pharmacological Society, Hyderabad, Indian Pharmacological Society, 13-16 December 2010.

Lecture on: Translational studies with a polyherbal agent in bronchial asthma: a reverse pharmacology approach, National Symposium on Translational Research in New Drug Development Delhi, VPCI, University of Delhi, 12-13 January 2011.

Presented a paper on Oestrogen- nitric oxide (NO) interactions may regulate gender based differences in stress susceptibility and adaptation in rats, International Congress on Steroid Research Chicago, USA, Elsevier and the Endocrine Society, 27-29 March 2011.

**Dr. Vishal Bansal:** Presented a paper on Effect of pulmonary rehabilitation on markers of systemic inflammation and oxidative stress in patients with COPD, 39<sup>th</sup> Annual Conference & 5<sup>th</sup> Annual Conference of IPARM (Delhi Chapter of IAPMR), New Delhi, 4-6 February 2011.

**Dr. Ritu Kulshrestha:** Lecture on: Infectious pneumonias: continental contest, XXVIII<sup>th</sup> International Congress of the International Academy of Pathology, Sao Paulo Brazil, International Academy of Pathology, 10-15 October 2010.

Lecture on: Unusual tumour and tumour like lesions of the lung, Annual Conference of the International Academy of Pathology- Indian Division Hyderabad, International Academy of Pathology- Indian Division, 9-12 December 2010.

Chaired a session on Management of upper airway diseases by yoga, National Symposium and Workshop on Yogic Management of Pulmonary Diseases, Delhi, VPC., University of Delhi and Morarji Desai National Institute of Yoga, 27-28 January 2011.

### **Publications**

**Angrup, A., Varma-Basil, M., Kumar, S., Pathak, R.K., Sharma, H., Banavaliker, J.N. and Bose, M. 2011.** 'Drug resistance among *Mycobacterium tuberculosis* isolates from private clinics and a DOTS center in Delhi, India'. *Southeast Asian J. Trop Med Public Health*, 42: 122-7.

**Arora, N., Kukreja, N., Nair, S., Gaur, S.N. and Singh, B.P. 2010.** Allergen immunotherapy: current approaches for management. In: Blacke C Sacinelli, Editor. *Immunotherapy: Activation, Suppression and Treatment*. Nova Science Publishers, Inc. Hanppage NY.

**Baghel, A.S., Tandon, R., Gupta, G., Kumar, A., Sharma, R.K., Aggarwal, N., Kathuria, A., Saini, N.K., Bose, M., Prasad, A.K., Sharma, S.K., Nath, M., Parmar, V.S. and Raj, H.G. 2011.** Characterization of protein acyltransferase function of recombinant purified GlnA1 from *Mycobacterium tuberculosis*: A moon lighting property. *Microbial Res*; March 14. [Epub ahead of print] (doi:10.1016/j.micres.2011.02.00).

**Bansal, V. 2011.** 'Pulmonary rehabilitation: a new hope for chronic obstructive pulmonary diseases patients'. *Al Ameen J. Med Sci* 4: 98-9.

**Bhalla, P., Singh, N.P. and Ravi, K. 2011.** 'Attenuation of angiotensin converting enzyme inhibitor induced cough by iron supplementation: Role of nitric oxide'. *J. Renin – Angiotensin-Aldosterone System*, XX(X): 1-7.

**Chakraborti, A., Gulati, K. and Ray, A. 2011.** 'Involvement of nitric oxide in the protective effects of dehydroepiandrosterone sulphate on stress induced neurobehavioral suppression and brain oxidative injury in rats'. *Eur J. Pharmacol*, 652: 55-9.

**Chowdhary, A., Randhawa, H.S., Khan, Z.U., Ahmad, S., Khanna, G., Gupta, R., Chakravarty, A. and Roy, P. 2010.** 'Rhinoentomophthoromycosis due to *Conidiobolus coronatus* - A case report and an overview of the disease in India'. *Medical Mycology*, 48: 870-9.

**Chowdhary, A., Randhawa, H.S., Kowshik, T., Kathuria, S., Roy, P. and Brandt, M.E. 2010.** Application of hypertonic Sabouraud glucose agar for differentiation of *Candida dubliniensis* from *Candida albicans*. *Diagn Microbiol & Infect Dis*. 4: 440-2.

- Chowdhary, A., Randhawa, H.S., Singh, V., Khan, Z.U., Ahmad, S., Kathuria, S., Roy, P., Khanna, G. and Chandra, J. 2011.** 'Bipolaris hawaiiensis as etiologic agent of allergic bronchopulmonary mycosis: first case in a pediatric patient'. *Med Mycol* March 14, 2011. PMID: 21395476 (Epub ahead of print).
- Gopal, B. and Gaur, S.N. 2011.** 'Gastroesophageal reflux'. In: Behera, D., Editor-in-Chief. *NCCP Textbook of Respiratory Medicine*. Jaypee Brothers Medical Publishers (P) Ltd., New Delhi, First Edition, pp. 577-84.
- Gulati, K. and Ray, A. 2010.** Newer insights into the mechanisms of action of some herbal adaptogens. In: Ray, A. and Gulati, K. Editors. *Recent Advances in Herbal Drug Research and Therapy*. I.K. International, New Delhi, 201-18.
- 2010.** Stress: its impact on developmental and reproductive toxicology. In: Gupta, R. Editor. *Handbook of Reproductive and Developmental Toxicology*, Elsevier Place of Publication, Kentucky, USA. pp. 825-34.
- Gulati, K., Banerjee, B.D., Lall, S.B. and Ray, A. 2010.** 'Effects of diesel exhaust, heavy metals and pesticides on various organ systems: possible mechanisms and strategies for prevention and treatment'. *Indian J. Exp Biol*, 48: 710-21.
- Gulati, K., Chakraborty, A. and Ray, A. 2011.** 'Physiological and behavioral correlates of stress induced angiogenesis in rats: possible role of free radicals'. *Indian J. Pharmacol*, 42 (Suppl.2): 128-9.
- Gupta, M. and Chhabra, S.K. 2010.** 'The beta agonist controversy'. *Chest (India)* 2: 247-9.
- Gupta, S., Sharma, S.B., Singh, U.R., Bansal, S.K. and Prabhu, K.M. 2010.** 'Elucidation of mechanism of action of Cassia auriculata leaf extract for its antidiabetic activity in streptozotocin-induced diabetic rats'. *J. Med Food*, 13: 528-34.
- Holloway, K., Mathai, E. and Gray, A. 2011.** On behalf of Community-based surveillance of antimicrobial use and resistance in resource-constrained settings Project Group (Kotwani A, et al). 2011. Surveillance of community antimicrobial resistance in resource-constrained settings – experience from five pilot projects. *Trop Med Int Health*, 16: 368-74.
- Holloway, K., Mathai, E. and Gray, A.** On behalf of Community-based surveillance of antimicrobial use and resistance in resource-constrained settings Project Group (Kotwani A, et al) 2011. Surveillance of community antimicrobial use in resource-constrained settings – experience from five pilot projects. *Trop Med Int Health* 6: 152-61.
- Khanna, M. and Gupta, A. 2010.** 'Vaccines for pandemic influenza A H1N1 (2009): Where do we stand?' *Indian J. Virol*, 21: 90-1.
- Kotwani, A. 2010.** (Editorial). 'Access to essential medicines and standard treatment for chronic diseases'. *Indian J. Pharmacology*, 42: 127-8.

**2010.** 'Will generic drug stores improve access to essential medicines for the poor in India?' *J. Public Health Policy*, 31: 178-84.

**Kotwani, A., Wattal, C., Katewa, S., Joshi, P.C. and Holloway, K. 2010.** 'Antibiotic use in the community: what factors influence primary care physicians to prescribe antibiotics in Delhi, India?' *Family Practice*, 27: 684-90.

**Kulshrestha, R. 2010.** Infectious pneumonias. In: Vijayan, V.K., Tazelaar, H.D., Kulshrestha, R. Editors. *Transbronchial Lung Biopsy Interpretation*. Delhi: Vidyanilyam Prakashan, pp. 546-61.

**2010.** Normal histology, adequacy and reporting of the transbronchial lung biopsy. In: Vijayan, V.K., Tazelaar, H.D. and Kulshrestha, R. Editors. *Transbronchial Lung Biopsy Interpretation*. Delhi: Vidyanilyam Prakashan, pp. 9-13.

**2010.** Pathological approach to environmental lung disease. In: Vijayan, V.K., Tazelaar, H.D., Popper, H.H., Ulrike, G.M., Kulshrestha, R. Editors. *Environmental and Occupational Lung Health: A Pathological Analysis*. Delhi: Vidyanilyam Prakashan, pp. 71-90.

**2010.** 'Processing of the transbronchial lung biopsy'. In: Vijayan, V.K., Tazelaar, H.D. and Kulshrestha, R. Editors. *Transbronchial Lung Biopsy Interpretation*. Delhi: Vidyanilyam Prakashan, pp. 6-8.

**Kumar, A., Sushama, A., Rohil, V., Manral, S., Gangopadhyay, S., Prasad, A.K., Raj, H.G. and Parmar, V.S. 2011.** Prevention of benzene-induced genotoxicity in bone marrow and lung cells: superiority of polyphenolic acetates to polyphenols. *Arch Toxicol*. Jan 26, 2011 [Epub ahead of print] (<http://www.ncbi.nlm.gov/pubmed/21267547>).

**Kumar, N., Taneja, K.K., Kumar, A., Nayar, D., Taneja, B., Aneja, S., Behari, M., Kalra, V. and Bansal, S.K. 2010.** 'Novel mutation in ATP-binding domain of ABCD1 gene in adrenoleucodystrophy'. *J. Gen*, 89: 473-7.

**Kumar, P., Sood, V., Vyas, R., Gupta, N., Banerjea, A.C. and Khanna, M. 2010.** 'Potent inhibition of influenza virus replication with novel siRNA-chimeric ribozyme constructs'. *Antiviral Res.* 87: 204-12.

**Kumar, R. 2010.** Book Review – *Text Book of Pulmonary Medicine* by D. Behera, Jaypee Brothers Medical Publishers (P) Ltd., New Delhi. *Indian J. Chest Dis Allied Sci*, 52: 173.

**Kumari, R., Bansal, S., Gupta, G., Arora, S., Kumar, A., Goel, G., 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*, 92: 1173-9.



- Omanwar, S., Ravi, K. and Fahim, M. 2010.** 'Persistence of EDHF pathway and impairment of the nitric oxide pathway after chronic mercury chloride exposure in rats: Mechanisms of endothelial dysfunction'. *Hum Exp Toxicol* (December 9 PMID: 21148200 Epub: 2010).
- Parveen, A., Babbar, R., Agarwal, S., Kotwani, A. and Fahim, M. 2011.** 'Mechanistic clues in the cardioprotective effect of *Terminilia arjuna* bark extract in isoproterenol-induced chronic heart failure in rats'. *Cardiovascular Toxicology*, 11: 48-57.
- Pasricha, R., Chandolia, A., Ponnann, P., Saini, N.K., Sharma, S., Chopra, M., Basil, M.V., Brahmachari, V. and Bose, M. 2011.** 'Single nucleotide polymorphism in the genes of mce1 and mce4 operons of *Mycobacterium tuberculosis*: analysis of clinical isolates and standard reference strains'. *BMC Microbio*, 11: 41.
- Randhawa, H.S., Kowshik, T., Chowdhary, A., Prakash, A., Khan, Z.U. and Xu, J. 2011.** 'Seasonal variations in prevalence of *Cryptococcus neoformans* var *grubii* and *Cryptococcus gattii* in decayed wood inside trunk hollows of diverse tree species in north- western India: A retrospective study'. *Medical Mycology*, 49: 320-3.
- Ray, A. and Gulati, K. 2010.** 'The philosophy of ayurveda and beyond'. *Basic Clin Pharmacol Toxicol*, 107: 2-111.
- Rohil, V., Mishra, A.K., Shrewastwa, M.K., Mehta, K.D., Lamsal, M., Baral, N. and Majhi, S. 2010.** 'Subclinical hypothyroidism in eastern Nepal: a hospital based study'. *Kathmandu University Medical Journal*, 8: 231-7.
- Sareen, R., Gupta, A. and Shah, A. 2011.** 'Immediate hypersensitivity to mango manifesting as asthma exacerbation'. *J. Bras Pneumol*, 37: 135-8.
- Shah, A. 2011.** 'Nosing around in COPD'. [Editorial]. *Indian J. Chest Dis Allied Sci*, 53: 5-7.
- Shrewastwa, M., Rohil, V., Majhi, S., Lamsal, S., Rija, S. and Baral, N. 2010.** 'Evaluation of serum isoenzyme of adenosine deaminase in patients with visceral leishmaniasis as a diagnostic marker'. *Clinical Biochemistry*, 43: 789.
- 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.
- Singal, G., Nanda, A. and Kotwani, A. 2011.** 'A comparative evaluation of price and quality of some branded versus branded-generic medicines of the same manufacturer in India'. *Indian J. Pharmacology*, 43: 131-6.
- Singhal, G.L., Kotwani, A. and Nanda, A. 2011.** 'Jan Audhadhi stores in India and quality of medicines therein'. *Int J. Pharmacy Pharmaceutical Sci*, 3: 204-7.
- Solanki, R.N. and Gaur, S.N. 2011.** 'Difficult asthma'. In: Behera D, Editor-in-Chief. *NCCP Textbook of Respiratory Medicine*. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., pp. 569-76.



**Srivastava, D., Mehta, A.K., Arora, N., Gaur, S.N. and Singh, B.P. 2010.** 'Proteolytically inactive Pera 10 allergen of *Periplaneta Americana* modulates Th2 response and enhances IL-10 in mouse model'. *J. Clin Immunol*; 30: 426-34 [Epub Jan 14, 2010 PMID 20072850, DOI 10.1007/s10875-009-9362-0].

**Srivastava, D., Gaur, S.N., Arora, N. and Singh, B.P. 2011.** 'Clinico-immunologic changes post immunotherapy with *Periplaneta Americana*'. *Eur J. Clin Invest.* Doi: 10.1111/j.1365-2362.2011.02480.x. [Epub ahead of print].

## LADY HARDINGE MEDICAL COLLEGE

### New Course introduced

M.Ch. Paediatric Surgery

### Appointments of Faculty members to higher Posts/Assignments

**Dr. G.K. Sharma:** Appointed Deputy Director General of Health Services.

### Honours/Distinctions

**Dr. A.K. Dutta:** Awarded Life Time Achievement Award by National Neonatology Forum of India.

Awarded Dr. P.N. Taneja Oration Award for significant contribution in Pediatrics by Delhi Branch of Indian Academy of Pediatrics.

**Dr. P.D. Souza:** Awarded the Dr. S. Radhakrishnan Memorial National best Teacher Award for the year 2010.

**Dr. S.S. Trivedi:** Awarded Best Oral Presentation prize in British Menopause Society Annual Conference, Stratford, UK.

Conferred the Fellowship, Honoris Causa of Royal College of Obstetricians and Gynecologists.

**Dr. Asha Gandhi:** Awarded Health Education and Development Award at World Congress of Drugless Therapies organized by Global Open University of Nagaland.

**Dr. Chitra Raghunandan:** Won a silver medal for her presentation in AOGD Annual Conference.

**Dr. Ghan Shyam Pangtey:** Awarded Smt. Pawan Kumari Jain Award by API Delhi State Chapter.

**Dr. Pikee Saxena:** Awarded Fellowship of the Indian College of Obsterics & Gyanaecologists of India.

**Dr. Arun Nigam:** Awarded Ethicon Fellowship of Laparoscopy by Federation of Obsterics and Gynaecology Society of India.

**Dr. Shilpa Singla:** Awarded Urvashi Prasad Jha gold medal for free paper presentation at Annual AOGD Conference in Oncology.

### **Seminars/Conferences attended**

**Dr. Aruna Jain:** Chairperson and Co-author Anaesthetic Management of Giant Paraesophageal Hernia, ISA National Conference, Lucknow, December 2010.

**Dr. Shipra Paul:** Chaired a scientific session on Dopamine dysregulation syndrome and presented a paper on Hippocampal pyramidal cell population, 7th International Congress on Mental dysfunctions and other Non motor Features in Parkinson's disease and Related Disorders (MDPD 2010), Barcelona, Spain, 9-12 December 2010.

**Dr. Shipra Paul, Dr. Anita Tuli, Dr. Shashi Raheja, Dr. Sneh Agarwal and Dr. Kulwinder Kaur:** Attended Pre conference CME on Stem Cells, Department of Anatomy, DY Patil Medical College, Pune, 26 December 2010.

Attended International Conference on Pharmacovigilance system and rational uses of medicine, LHMC, 26-28 November 2010.

**Dr. Shipra Paul:** Chaired a session on Neurosciences, Dr. Anita Tuli, Chaired a session on Gross anatomy and presented paper Morphology of bony projections on Sigmoid sulcus and its clinical implications, 58th NATCON Department of Anatomy DY Patil Medical College, Pune, 27-29 December 2010.

**Dr. Shashi Raheja:** Chaired a session on Physical anthropology, Dr. Sneh Agarwal Presented paper Communication between median and Musculocutaneous nerves in the fore arm alongwith persistent median artery a rare variation, 58th NATCON Department of Anatomy DY Patil Medical College, Pune, 27-29 December 2010.

**Dr. Kulwinder Kaur:** Presented a paper A quantitative study of variation in the articular surfaces of Radial notch of dry adult Ulna and Dr. Pooja Jain, Presented paper The morphology of variation in the origin of the long head of biceps brachii, 58th NATCON Department of Anatomy DY Patil Medical College, Pune, 27-29 December 2010.

**Dr. Jayashree Bhattacharjee, Dr. Ritu Singh, Dr. Devika Tayal, Dr. Amita Yadav and Dr. Sonu Bhatnagar:** 23rd Annual Conference of Indian Society of Atherosclerosis Research, ISARCON 2010, UCMS, 13-14 November 2010.

**Dr. S.K. Rasanias:** Attended World Conference on Clinical Geriatric Cardiology and Imagine 2010, New Delhi, 22-24 October 2010.

**Dr. Atul Murari:** Presented a paper Importance of Medical Opinion in Human Rights Abuse, International Conference of Jurists, Vigyan Bhawan, New Delhi, 11-12 December 2010.

**Dr. Yashoda Rani:** Attended International Conference and CME cum Workshop on Pharmacovigilance system and rational use of Medicines-An integrated Approach, LHMC, 26-28 November 2010.

**Dr. Arvind Kumar:** Presented paper on Tala a traditional remedy or torture of child by Branding, International Conference on Violation of Human Rights and Humanitarian Law: Investigation and Prevention of torture and Death in Custody, University of Linkoping, Sweden, 3-7 May 2010.

**Dr. Ghan Shyam Pangtey and Dr. Anupam Prakash:** API-DSC Annual Conference, India Habitat Centre, 30-31 October 2010.

**Dr. Tanmaya Tallukdar:** Attended International Symposium on Hemophilia, 4-5 September 2010.

**Dr. Renu Dutta:** Chairperson International Conference and CME cum Workshop on Pharmacovigilance systems and Rational use of drugs-An integrated approach, LHMC, 26-28 November 2010.

**Dr. V.L. Malhotra:** Attended International Conference on Lung health, Berlin, 11-14 November 2010.

**Dr. B.L. Sherwal, Dr. A. Lakshmy and Dr. V.L. Malhotra:** Attended International Conference on Opportunistic Pathogens, AIIMS, 27-30 September 2010.

**Dr. B.L. Sherwal, Dr. V.S. Randhawa, Dr. Partha Rakshit and Dr. A. Lakshmy:** Attended 34th National Conference of Indian Association of Medical Microbiology, 24-28 November 2010.

**Dr. V.L. Malhotra, Dr. Abha Singh, Dr. Mayank Dwivedi, Prof. Om Prakash and Dr. Sujata Gautam:** Attended International Conference and CME cum Workshop on Pharmacovigilance systems and Rational use of drugs-An integrated approach, LHMC, 26-28 November 2010.

**Dr. S.S. Trivedi:** Presented a paper and awarded best oral presentation prize 20th Annual Conference of British Menopause Society, UK, 24-25 June 2010.

Chairperson Pushpa Chopra Oration on Training in Endoscopic Surgery in Gyanaecology, 3rd Annual Conference of Delhi Gyanecological Endoscopist Society, 23-24 April 2010.

Chaired session of competition papers, 32nd Annual Conference of AOGD 2010, MAMC, 31st October 2010.

**Dr. Abha Singh, Dr. Ratna Biswas and Dr. Pikee Saxena:** Attended 3rd Annual Conference of Delhi Gyanecological Endoscopist Society, 23-24 April 2010.

**Dr. Abha Singh:** Chaired a session on Urogynecology, Presented 'To compare the effect of labetalol with aldomet in PIH' and As co-author in poster presentation A study of spot urine protein:creatinine ration as an alternative to 24 hrs proteinuria in prediction of maternal and fetal outcome in pre-eclampsia, 32nd Annual Conference of AOGD 2010, MAMC, 31st October 2010.

**Dr. Manju Puri:** Moderated a panel on Medical Management vs Surgical Management for Menorrhagia and Participated as a panelist in a panel on 'Hirsutism and Virilism', 10th International update on Subfertility Obstetrics and Gynaecology, Chennai, 8 August 2010.

**Dr. Himanshu Kataria:** Attended International Shoulder Surgery Congress, Fortis Escorts Hospital, Okhla, 13-14 November 2010.

**Dr. Sunil Kumar and Dr. A. Chakravarti:** Attended 1st International Cochlear implant Workshop, MAMC, December 2010.

**Dr. Sunil Kumar:** Attended 23rd Annual Conference of All India Rhinology Society, Udaipur, September 2010.

**Dr. Varinder:** Invited to speak on 'The role of chest radiography in the diagnosis of TB and follow-up of treatment response in children', 41st Union World Conference on Lung Health, Berlin, Germany, 11-15 November 2010.

**Dr. Vikram Datta:** Presented a paper on 'Role of oral sucrose in reducing pain to orogastric tube insertion in preterm neonates', 3rd Congress of European Academy of Pediatric Societies in Copenhagen, Denmark, 23-26 October 2010.

**Dr. Srikanta Basu:** Presented a paper on 'Incidence of UTI in young children presenting with fever without focus', 26th International Pediatric Association Congress of Paediatrics 2010, Johannesburg, South Africa, 4-9 August 2010.

**Dr. A.K. Dutta, Dr. Anju Seth and Dr. Rohini Gupta:** Attended National Conference on Paediatric HIV, Theme 'Towards Elimination of Paediatric HIV', RML Hospital, 1-3 December 2010.

**Dr. S. Aneja:** Delivered a guest lecture on 'HIV and Infant feeding', National Conference on Pediatrics HIV, RML Hospital, 1-3 December 2010.

**Dr. Jagdish Chandra:** Delivered a guest lecture on 'Pharmacovigilance of Anti-retroviral drugs', International Conference on Rational Drug Therapy and Pharmacovigilance, LHMC, 27 November 2010.

Delivered a guest lecture on 'IMNCI-HIV', National Conference on Pediatric HIV, Towards elimination 2 December 2010.

**Dr. Anju Seth:** 7th Annual Symposium of the Growth Development and Behavioral Pediatrics Chapter of IAP, Kolkata, 19-20 June 2010.

9th National Conference of the Growth Development and Behavioral Pediatrics Chapter of IAP, CMS, Ludhiana, 29-31 October 2010.

6th National Conference of Indian Society of Bone Mineral and Research, AIIMS, 13-14 August 2010.

**Dr. Praveen Kumar:** National Conference of Indian Society of Gastroenterology, Hyderabad, 20-24 November 2010.

**Dr. S. Roy Choudhury:** Guest lecture 'Surgical Causes of Respiratory distress in children with special reference to congenital diaphragmatic hernia', NNF Annual Conference, Jaipur, 10 October 2010.

**Dr. M. Jain:** Guest speaker on 'Diagnostic approach to tumor and tumour like lesions of bone, 40th Annual Conference of IAC, Kolkata, November 2010.

**Dr. Ritu Majumdar:** Lecture on 'Osteoarthritis and Lifestyle Diseases', 4th Annual Conference and CME of IPARM, AIIMS, April 2010.

**Dr. Sunita Sharma:** Attended 51st National Conference of ISHTM Hematocon 2010, Kolkata, 19-21 November 2010.

**Dr. H.S. Rehan:** Presented papers on 'Diversity of genotype and mode of spread of Hepatitis C virus in Northern India and Safety and Efficacy of Qurse-e-estisqa In chronic hepatitis C patients, International Conference on Rational Drug Therapy and Pharmacovigilance, LHMC, 27 November 2010.

**Dr. K.E.S. Unni:** Attended International Seminar on shared experiences on physically and mentally challenged artists and inclusive growth, India International Centre, 13 November 2010.

**Dr. D. Kataria:** Attended 11th Annual National Conference of Indian Association of Private Psychiatry, Jammu, 24-26 September 2010.

**Dr. Ajay Kumar, Dr. Shaji Thomas, Dr. Manoj Andley, Dr. Ashok Kumar, Dr. Gyan Saurabh and Dr. Vivek Gautam:** Attended 5th Annual Conference, Delhi State Chapter, Society of Endoscopic and Laparoscopic Surgeons of India, 22-24 October 2010.

**Dr. Ajay Kumar, Dr. Shaji Thomas, Dr. Manoj Andley, Dr. Ashok Kumar, Dr. Gyan Saurabh:** International Conference TRAUMA 2010, Level I Academic meeting for the advancement of Trauma Care and Research in India, 26-28 November 2010.

**Dr. Ajay Kumar, Dr. M.P. Arora, Dr. O.P. Pathania, Dr. Shaji Thomas, Dr. S.K. Tudu, Dr. Manoj Andley, Dr. Ashok Kumar, Dr. Deborshi Sharma, Dr. Gyan Saurabh, Dr. Vivek Gautam and Dr. Lalit Agarwal:** 70th Annual Conference of the Association of Surgeons of India, Delhi, ASICON-2010, 15-20 December 2010.

**Dr. Manoj Andley, Dr. Ashok Kumar and Dr. Vivek Gautam:** Attended Annual Conference of Indian Chapter of International hepatopancreatic biliary association, November 2010.

**Dr. Deborshi Sharma:** Speaker Laparoscopic stapled cystogastrostomy, 5th International Congress of Association of Minimal Access Surgeons of India, Jaipur, 3-6 May 2010.

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**Baduni, N. Sanwal, M., Jain, A. and Kachru, N. 2010.** Recurrent episodes of intractable laryngospasm followed by laryngeal and pulmonary oedema during dissociative anaesthesia with intravenous ketamine, IJA: 54(4).

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**Javanmard, M.Z., Kaul, J.M. and Paul, S.** Embryotoxicity of Sodium Arsenate in mouse, International Journal of Medical Toxicity and Legal medicine.

Neurotoxic effect of Sodium Arsenate on the Brain of Mice Embryo, Forensic Medicine and Toxicology.

**Agarwal, S. 2010.** Simple tools for teaching gross anatomy to undergraduate medical students. Anatomical Sciences Education: 3(5):276.

**Kaur, J. Yadav, Y. and Agarwal, S. 2010.** Bony Ponticles and Bridges on the Posterior Arch of the Atlas Vertebra; their Phylogeny, Developmental Basis and Clinical Significance. International Medical Journal: 17(3): 229-235.

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**Dabla, P.K., Trivedi, S.S., Das, N. and Bhattacharjee, J. 2010.** The role of endothelial nitric oxide synthase (enos) gene glu298asp polymorphism in postmenopausal coronary artery disease risk a pilot study in North India International Journal of Pharma and Bio-sciences, 1:(4).

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- Maheshwari, A., Aneja, S., Kumar, P. and Banga, S. 2010.** Celiac disease with splenic calcification. *Indian J Pediatr*.
- Agarwal, V., Maheshwari, A., Rath, B., Kumar, P. and Basu, S. 2010.** Refractory pancytopenia and megaloblastic anaemia due to *Falciparum* Malaria, *J. Trop Pediatr*.
- Roychoudhury, S., Debnath, P.R., Jain, P., Kushwaha, A.K., Puri, A., Chadha, R. and Sonkar, P. 2010.** Conservataivae Management of Isolated Splenic Abscess in Children, *J Pediatric Surgery*, 45:372-375.
- Mishra, K., Basu, S., Rochoudhury, S. and Praveen, K. 2010.** Liver Abscess in Children and overview. *World J Pediatrics*, 6(3):210-216.
- Krishnamurthy, S., Seth, A., Puri, A., Anand, R. and Aneja, S. 2010.** Ovarian tumors with elevated CA 125 levels and severe juvenile hypothyroidism a need for increased awareness. *Indian J :Pediatric*, 77(6): 693-4.
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- Choudhury, M. and Jain, M. 2010.** Evaluation of Manual Liquid Based Cytology Technique in comparison to Conventional Pap Smear for detection of Cervical Cancer and its Precursors *Acta Cytol*, 54(4):424-425.
- Choudhury, M., Nangia, A., Singh, S.K., Pujani, M. and Thomas S. 2010.** Cytohistomorphological features of Malignan Fibrous Histiocytoma of the breast. *Acta cytological*, 54:985-988.
- Garg, S., Goel, N., Khare, A., Andley, M., Gautam, V., Saurabh, G. and Kumar, A. 2010.** Does stapler hemorrhoidectomy effect anorectal function. A histological and manometric correlation. *Tropical Gastroenterlogy*, 31(3) Suppl. S31.
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**Andley, M. and Saurabh, G. 2010.** et al. Upper GI Tract bleeding. *Journal Academy of Medical Specialties*, 3:15-17.

**Sharma, D., Srivastava, M., Babu, R., Rohtagi, A., Anand, R. and Thomas, S. 2010.** Laparoscopic treatment of Gastric Bezoar. *Journal of Surgery and Laparoscopic Surgery*, 14(2):263-67.

**Sharma, D., Jaketiya, A., Aggarwal, L., Baruah, D., Rohtagi, A. and Kumar, A. 2010.** Carcinoma Gall bladder with Bouveret's Syndrome. *Indian Journal of Surgery*, 72(4):350-51.

## FACULTY OF TECHNOLOGY

### MECHANICAL ENGINEERING

#### Ph.D. Degrees awarded

Ph.D. -1

#### Publications

**Vipin, Arora, B.B. and Mishra, R.S. 2011.** 'Optimization of Machining Cost in Heavy Machining Operation' *International Journal of Engineering Research and Technology*. ISSN 0974-3154, Vol. 4, No. 2, pp. 199-207.

**2011.** 'Optimization of Machining Time at Multi-pass Turning in Heavy Machining Operation' *International Journal of Engineering Studies*, ISSN 0975-6469, Vol. 3, No.1, pp. 13-20.

**Madan, A.K. and Mishra, R.S. 2010.** 'Application of Fuzzy AHP for Comparison of Engineering Institutions: An Expert Approach' *International Journal of Applied Engineering Research* ISSN 0973- 4562, Vol. 5, No. 20, pp. 3455-3467.

**2011.** 'Analysis of Variables for Quality Management in Technical Education' *International Journal of Applied Engineering Research*, ISSN 0973-4562, Vol. 6, No. 2, pp. 201-209.

**2011.** 'Application of Stastical Quality Control for Quality Management in Technical Education' *Global Journal of Financial Management*, ISSN-0975-6477, Vol. 3, No. 1, pp. 25-33.

**2011.** 'Ranking of Engineering Colleges based on Stastical Methods and survey-Analysis' *International Journal of Applied Engineering Research*, ISSN 0973-4562, Vol. 6, No. 2, pp. 201-209.

**Jain, V., Kachhwaha, S.S., Mishra, R.S. 2011.** 'Comparative Performance Study of Vapour Compression Refrigeration System with R22/R134A/R410A/R407C/M20', *International Journal of Energy and Environment (IJEE)*, Vol. 2, Issue 2, pp. 297-310.

**Mishra, R.S. and Kamal, V. 2010.** 'Effect of Thermal Energy Storage Materials on the Thermal Performance of Non porous Trombe Wall' *International Journal of Applied Engineering Research* ISSN 0973- 4562 , Vol. 5, No. 18, pp. 3085-3095.

**Madan, A.K. and Mishra, R.S.** 'Fuzzy—Analytical Hierarchy Process—A Modern tool for quality in Technical Education' *The Indian Journal of Technical Education*, ISSN 0971-3034 Vol. 33, No. 3, July-Sept. 2010.

**Kumar, A., Kachhwaha, S.S., Mishra, R.S.** 'Thermodynamic Analysis of a Regenerative Gas Turbine Cogeneration Plant', *J. Scientific and Industrial Research*, Vol. 69, April 2010, pp. 225-231.

**Agrawal, G., Kachhwaha, S.S., and Mishra, R. S.,** 'Parametric Study of Induced Draft Counter Flow Rectangular Cooling Tower Based on Exergy Analysis', *J. Scientific and Industrial Research*, Vol. 69, April 2010, pp. 284-292.

**Jain, V., Kachhwaha, S.S. and Mishra, R.S.** 'Comparative Analysis of Vapour Compression Refrigeration System Using Alternative Refrigerants', published in the 16<sup>th</sup> ISME conference on Mechanical Engineering for Sustainable development, Indian Institute of Technology, Delhi, 2-4 December 2010.

**Kachhwaha, S.S., Mishra, R.S. and Jain, V.** 'Comparative Performance Study of Refrigerants for Future RAC Applications' published in the proceedings of 20<sup>th</sup> National and 9<sup>th</sup> International ISHMT-ASME Heat and Mass Transfer Conference, at IIT Bombay, 4-6 January 2011.

'Comparative Performance Study of Refrigerants for Future RAC Applications' published in the proceedings of 20<sup>th</sup> National and 9<sup>th</sup> International ISHMT-ASME Heat and Mass Transfer Conference, IIT Bombay, 4-6 January 2010.

**Kachhwaha, S.S., Mishra, R.S. and Saxena, G.** 'Thermodynamic Analysis of Single Stage Water/Lithium Bromide Vapour Absorption Refrigeration System', published in the proceedings of National Conference on Refrigeration and Air Conditioning (NCRAC-2009), IIT Madras, Chennai, 08-10 January, 2009.

*Plenary Lecture Delivered in International and National Conferences.*

**Prof. R.S. Mishra:** Delivered plenary lecture on 'Effect of thermal insulations on Environmental Sustainability' in the International conference of climate change at ITM University, Gwalior on 5-7 December 2010.

**Prof. R.S. Mishra:** Delivered plenary lecture on 'Appropriate Technologies for Sustainable Development in National Conference on Green Energy Technologies' at BBS College of Engineering, Allahabad on 27 October 2010.

*Book Published*

**Mishra, R.S.** Experiments in Heat Mass and Momentum Transfer (July, 2010), New Delhi: Arihant Prakanson.

## APPLIED SCIENCES AND HUMANITIES

### Ph.D. Degrees awarded

Ph.D. - 6

## CIVIL AND ENVIRONMENTAL ENGINEERING

### Ph.D. Degrees awarded

Ph.D. - 2

## ELECTRICAL ENGINEERING

### Ph.D. Degree awarded

Ph.D. - 1

## ELECTRONICS AND COMMUNICATION ENGINEERING

### Ph.D. Degrees awarded

Ph.D. - 1

### Seminars/Conferences attended

**Maneesha Gupta, Madhu Jain and Nitin Jain:** 'A fractional order recursive digital integrator using continued fraction expansion' India International Conference on Power Electronics IICPE 2010, New Delhi, India, pp. 1-3, 2011.

**K. Gupta, N. Pandey and M. Gupta:** 'Shunt-Peaking in MCML Memory Element Design in 0.18 $\mu$ m CMOS Technology, 978-1-4244-9074-5/10/ 2010, Annual IEEE India Conference, INDICON.

**Pragya Varshney, Maneesha Gupta and G.S. Visweswaran:** 'Implementation of First and Third Order Fractional Order Differentiators and Integrators using Switched Capacitors' India International Conference on Power Electronics, IICPE 2010, 28-30 Jan 2011, New Delhi, pp. 1-8.

**Richa Yadav and Maneesha Gupta:** 'Design of Fractional Order Differentiators and Integrators Using Indirect Discretization Scheme' India International Conference on Power Electronics, IICPE 2010, New Delhi, India, 1-6 January 2011.

**Madhu Jain, Maneesha Gupta and Nitin Jain:** 'A New Fractional Order Recursive Digital Integrator Using Continued Fraction Expansion' International Conference on Power Electronics, IICPE 2010, New Delhi, 2011.

**Satish Chandra Tiwari, Kunwar Singh and Maneesha Gupta:** A Low Power High Density Double Edge Triggered Flip Flop for Low Voltage Systems, ARTCOM 2010, IEEE, pp. 377-380.

**Richa Yadav and Maneesha Gupta:** 'Design of Fractional Order Differentiators and Integrators using Indirect Discretization Approach' ARTCOM 2010, IEEE, pp. 126-130.

**Astha Neekhra and Maneesha Gupta:** 'Bandwidth Extension of a CMOS Constant Q Active Inductor', International Conference on Computer and Communication Technology (ICCCT-2010) IEEE, 17-19 Sept. 2010, Motilal Nehru National Institute of Technology, Allahabad, pp. 311-313.

**Kirti Gupta, Neeta Pandey and Maneesha Gupta:** 'A Novel Active Shunt-peaked MCML-based Four-Bit Ripple-Carry Adder for High Speeds Applications, ICCCT 2010, IEEE 17-19 Sept. 2010, Allahabad, pp. 285-289.

**Dr. S.P. Singh and Sridhar Iyer,** 'Effect of SRS and FWM on Performance of Optical Star WDM Networks: A Deterministic Approach,' IEEE Seventh International Conference on Wireless and Optical Communications Networks WOCN2010 (WOCN10) Colombo, Sri Lanka, 6-8 September 2010.

**Shree Prakash Singh and Devin Mori:** 'Effect of XPM and FWM on Performance of Optical Star WDM Networks,' International conference on Fiber optics and Photonics (PHOTONICS-2010), IIT Guwahati, 11-15 December 2010.

**S.P. Singh and Sridhar Iyer:** 'Impact of SRS and FWM on Performance of Optical Star WDM Networks,' Proc. of The Symposium on Photonics and Optoelectronics (SOPO 2011), pp. 1-4, 16-18 May 2011.

**Ankur Bansal and Parul Garg:** 'Performance Analysis of Coded Cooperation under Nakagami-m fading channels', in proceedings of IEEE International Conference on Communications, Cape Town, South Africa, 23-27 May 2010.

**Jyotsna Singh, Parul Garg and Alok Nath De:** 'Audio Watermarking Based on Quantization Index Modulation using Perceptual Masking', Proceedings of International Conference on Information and Multimedia Technology (ICIMT), Hong Kong, China, 28-30 December 2010.

**Alpana Sahu and Parul Garg:** 'Design of channel coding and decoding in a relay system with physical layer', Proceedings of International Conference on Mobile Internet Devices (ICMID), Hyderabad, 17-18 December 2010.

**J. Singh and S. Garg:** 'Eigen Decomposition of Reed-Muller Transform using Kronecker Method', ACM International Conference on Futuristic Computer Applications. ICFCA 2010, IISc, Bengaluru.

**J. Singh, Parul Garg and A. De:** 'Audio Watermarking based on Quantization Index Modulation using perceptual masking', accepted for 2<sup>nd</sup> IEEE International Conference on Information and Multimedia Technology (ICIMT 2010).

'MPEG-2 Video Watermarking using Quantization Index Modulation' for IMSAA-10 accepted for presentation at the IEEE International Conference on Internet Multimedia Systems Architecture and Application in Bengaluru, 15-17 December 2010.

## **Publications**

**Parthasarathy, H.** *'Application of Advanced Signal Analysis*, I.K. International, 420 pages.

**Gadre, D.** Tiny AVR Microcontroller Projects for the Evil Genius.

**Rawat, T.K.** *Signals and Systems*, Oxford University Press, July-2010.

**Singh, A.K., Senani, R., Bhaskar, D.R. and Sharma, R.K. 2011.** 'A new electronically-tunable active only Universal biquad', *Journal of Circuits, Systems and Computers (USA)*, Vol. 20, No. 3, pp. 549-555.

**Abdalla, K.K., Bhaskar, D.R. and Senani, R. 2011.** 'New Universal Current-mode Biquad Using All Grounded passive Components and without requiring any Component-Matching', *Journal of Active and Passive Electronic Devices (USA)*, Vol. 6, No. 1-2, pp. 109-117.

**2011.** 'New SRCO with explicit current mode output using two CCs and grounded capacitors', *Turk. Journal of Elec. Engg. And Computer Science (Turkey)*, Vol. 19, No. 2, pp. 235-244.

**2011.** 'Electronically-controllable Current-mode Second order Sinusoidal Oscillators using MO-OTAs and Grounded capacitors', *Circuits and Systems (USA)*, Vol. 2, No. 1 pp. 65-73.

**2011.** 'A State variable method for their realisation of Universal Current mode biquads', *Circuits and Systems (USA)*, Vol. 2, No. 4.

**Gupta, S.S., Bhaskar, D.R. and Senani, R. 2011.** 'Synthesis of Linear VCOs: The State variable approach', *Journal of Circuits, Systems, and Computer*, Vol. 20, No. 4.

**Pathak, J.K., Singh, A.K. and Senani, R.** 'Systematic realization of quadrature oscillators using current differencing buffered amplifiers', *IET Circuits Devices Systems*, Vol. 5, issue 3, pp. 203-211, doi: 10.1049/iet-cds.2010.0227.

**Gupta, S.S., Bhaskar, D.R. and Senani, R.** 'New analog inverse filter realized with current feedback op-amps', *International Journal of Electronics*, Vol. 98, No. 8, pp. 1103-1113, August 2011.

**Gupta, A., Senani, R., Bhaskar, D.R. and Singh, A.K.** 'OTRA-based grounded-FDNR and grounded inductance simulators and their applications', *Circuit Systems and Signal Processing*, DOI 10.1007/s00034-011-9345-2, 24 August 2011.

**Gupta, M., Jain, M. and Kumar, B.** 'Recursive Wideband Digital Integrator and Differentiator'. *International Journal of Circuit Theory and Applications*, John Wiley Publications DOI: 10.1002/cta.658, 2010. Vol. 39, issue 7, pp. 775-782, July 2011.

**Gupta, M. and Pandey, R.** 'Low-Voltage FGMOS Based Analog Building Blocks', *Microelectronics Journal*, 42 (2011), pp. 903-912, May 2011, DOI: 10.1016/j.mejo.2011.03.013.

**Gupta, M., Varshney, P. and Visweswaran, G.S.** 'Digital fractional order differentiator and integrator models based on first order and higher order operators', *International Journal of Circuit Theory and Applications*, John Wiley Publications DOI: 10.1002/cta.650, 2010, Vol. 39, issue 5, pp. 461-474, May 2011.

'Switched Capacitor Realizations of Fractional-order Differentiators and Integrators based on an Operator with Improved Performance' *Radio Engineering*, Vol. 20, No. 1, pp. 340-348, April 2011.

**Niranjan, V., Gupta, M. and Prakash, N. 2011.** 'Subthreshold Schmitt Trigger Using Body Bias Technique for Ultra Low Power and High Performance Applications', *Russian Microelectronics*, Springer, Vol. 40, No. 2, pp. 141-145.

**Visweswaran, G.S., Varshney, P. and Gupta, M.** New Approach to Realize Fractional Power in z-Domain at Low Frequency IEEE Transaction on circuits and systems CAS-II, Express brief, Vol. 58, No. 3, March 2011.

**Lahiri, A. and Gupta, M. 2011.** 'Realization of grounded negative capacitance using CFOA' accepted for publication at *Journal of Circuits, System and Signal Processing*, Springer, DOI 10.1007/s00034-010-9215-3, Vol. 30, No. 1, pp. 143-155.

**Niranjan, V., Gupta, M. and Jain, S.B. 2011.** 'Body biasing: A circuit level approach to reduce leakage in CMOS based circuits', *Journal of Active and Passive Electronic Devices*, Vol. 6, pp. 89-99.

**2011.** 'FGMOS based low voltage tunable floating resistor', *Journal of Active and Passive Electronic Devices*, Vol. 6, pp. 119-128.

**Gupta, K., Pandey, N. and Gupta, M. 2010.** 'A new active shunt peaked MCML based high performance 1:8 demultiplexer for serial communication', *International journal of Engineering Science and Technology*, Vol. 2(9), 4632-4639.

**Niranjan, V. and Gupta, M. 2010.** 'An Analytical Model of the Bulk-DTMOS transistor', *Journal of Electron Devices*, Vol. 8, pp. 329-338, ISSN: 1682-3427

**Gupta, M., Jain, M. and Kumar, B. 2010.** Novel class of stable wideband recursive digital integrators and differentiators, *IET Signal Processing*, Vol. 4, Issue 5, pp. 560-566.

**Pandey, R. and Gupta, M.** 'FGMOS Based Voltage-Controlled Grounded Resistor', *Radio Engineering*, Vol. 19, No. 3., Sept. 2010, pp. 455-459.

**2010.** FGMOS based tunable grounded resistor *Analog Integrated Circuits and Signal Processing*, Springer, DOI 10.1007/s10470-010-9500-x, Vol. 65, No. 3, pp. 437-443.



**Aggarwal, B. and Gupta, M.** 'Low-voltage bulk-driven class AB four quadrant CMOS current multiplier', *Analog Integrated Circuits and Signal Processing*, Springer DOI 10.1007/s10470-010-9486-4, Vol. 65, No. 1, 163-169.

**Singh, J., Garg, P. and De, A.N.** 'Data hiding in audio using Random Orthogonal Matrices', *Taylor & Francis Information Security Journal: A Global Perspective*, 19: 5, pp. 273-281, October 2010.

**Upadhyay, D.K.** 'Recursive Wideband digital differentiators', *Electronic Letter*, IET, Vol. 46, No. 25, pp. 1661-1662, December 2010.

**Singh, J. and Garg, S. 2010.** 'Eigen Decomposition of Reed Muller Transform using Kronecker method', *International Journal of Computer Applications (IJCA)*, No. 10, Article 1, pp. 1-7, published by Foundation of Computer Science, USA.

**Singh, J., Garg, P. and De, A.N. 2010.** 'Data hiding in audio using Random Orthogonal Matrices', *Information Security Journal: A Global Perspective*, Vol. 19, Issue 5, pp. 273-281.

**Yadav, R., Yadav, S. and Singh, J. 2010.** 'Audio Watermarking Based on PCM Technique'. *International Journal of Computer Applications*, 8(2): 24-28.

**Singh, J., Garg, P. and De, A.N. 2011.** 'Audio Watermarking based on Quantization Index Modulation using Combined Perceptual Masking', accepted for publication in *Multimedia tools and Applications*, Springer.

**Rawat, T.K. 2011.** 'Analog Least Mean Phase Adaptive filter in Stochastic Differential Equation Formalism', *International Journal of Electronics and Communication (AEU)*, Vol. 65, pp. 852-858, doi:10.1016/j.aeue.2011.02.001, Elsevier.

## PRODUCTION AND INDUSTRIAL ENGINEERING

### Ph.D. Degrees awarded

Ph.D. - 1

## COMPUTER ENGINEERING

### Ph.D. Degrees awarded

Ph.D. - 5

### Seminars/Conferences attended

**Dr. Bizendra Kumar:** 'Adaptive channel allocation algorithm for video delivery', International Conference on Computer and Communication Technology ICCCT-2010, NIT Allahabad, 17-19 September 2010.

## Publications

**Gupta, A., Kumar, A. and Malik, H. 2011.** CASE-JigDFS: *Context-Aware, Smart and Efficient JigDFS Network*, In the proceeding of Communications in Computer and Information Science (LNCS- SPRINGER), Vol. 142, Part 1, pp.182-186.

**Gupta, A. and Goel, P. 2011.** *ST-GAIT: A Framework for Human Identification based on Structural and Transitional Characteristics in GAIT*, In Proceeding of International Conference on Control, Robotics and Cybernetics (IEEE-ICCRC 2011), New Delhi, India.

**Gupta, A., Garg, R. and Suri, S. SA-OILINESS: A System to measure oiliness of distant subject using image processing**, In Proceeding of International Conference on Control, Robotics and Cybernetics (IEEE-ICCRC 2011), New Delhi, India, 21-23 March 2011.

**Gupta, A., Gupta, S.K., Isha, M.G., Gupta, P., Goyal, V. and Sabharwal, S. 2010.** *Opacity Characteristic of Context Honeypot System*, In Proceeding of Information Security Journal: A Global Perspective, Taylor and Francis, Vol. 19, No. 3, pp. 142-152.

**Kumar, S. and Chand, S. 2011.** 'New Pixel based Approach for Reverse Play of MPEG Video for Streaming System', *Signal Processing: Image Communication Journal, Elsevier*, 26, pp. 182-192.

**2010.** 'Extraction of Desired Partial Block of a Frame from MPEG Video Stream', *International Journal of Computer Applications* (0975 – 8887), Vol. 1(2), pp. 85-88.

**Chand, S. 2011.** 'Live Video Services using Fast Broadcasting Scheme', *Circuit and Systems Journal*, Scientific Research Publishing, Vol. 2, pp. 151-161.

**2010.** 'Live Video Services using Fast Broadcasting Scheme', *Communications and Network Journal*, Scientific Research Publishing, Vol. 2(1), pp. 79-85.

**Chand, S. and Om, H. 2010.** 'Efficient Staircase Scheme with Seamless Channel Transition Mechanism', *Computer Networks*, Elsevier, Vol. 54(3), pp. 462-474.

**Dev, K. and Chand, S. 2010.** 'Layered Mixed Media Painting', International Conference on Computer and Communications Technology (ICCCT-2010), pp. 242-247.

**Sibal, R.** 'Prioritisation of Test Case Scenarios Derieved From Activity Diagram Using Genetic Algorithm', pp. 481-485, Proceedings of Int'l. Conference on Computer and Communication Technology, Motilal Nehru National Institute of Technology(MNNIT), Allahbad, 17-19 September 2010.

'A Genetic Algorithm Based Approach for Prioritisation of Test Case Scenarios in Strucural Testing', Proceedings of Int'l. Conference on Computer and Communication Technology, Motilal Nehru National Institute of Technology (MNNIT), Allahbad, 15-17 September 2011.

**Kumar, A. and Chakerverty, S.** 'Fault-Tolerant Embedded System Co-design'. *Journal of Computing*, 2, No. 9, pp. 132-137, Sept. 2010.

**Pandey, U., Chakraverty, S., Mihani, R., Sharma, R., Arya, R. and Rathore, S.** 'A fuzzy approach for context driven document classification', Proc. 2nd Intl. Conf. on Advances in Computer Science ACS-2010, 21-22 December 2010, Trivandrum, Kerala, India.

**Pandey, U. and Chakraverty, S.** 'A Survey of Text Classification Techniques for E-mail Filtering', Procs of Second International Conference on Machine Learning and Computing, pp. 32-36, Bengaluru, India, December 2010.

**Pandey, U., Chakraverty, S. and Jain, R.** 'Context Driven Technique for Document Classification', Procs of Advances in Computer System', December 2010, Chennai, India.

**Aggarwal, A., Bhatia, G. and Chakraverty, S.** 'A state model for scheduling built in self testing and scrubbing in FPGA to maximize system availability in space applications', Proc. IEEE India Intl. conf. on Power Electronics-IICPE-2010, NSIT, New Delhi, 28-30 January 2011.

**Sharma, U and Chakraverty, S.** 'A novel approach for providing fault tolerance to FPGA based reconfigurable systems', Proc. Intl. conf. on Digital Convergence (ICDC-2011), Hyderabad, India, 19-20 February 2011.

**Kumar, A. and Chakraverty, S.** 'Service Availability Driven Re-configurable Embedded System Design' Book Chapter in Information Intelligence, Systems, Technology and Management, S. Dua, S. Sahni and D.P. Goyal (eds), pp. 265-276 and in Proc. 5th Communications in Computer and Information Science, Vol. 141, Springer, Berlin Heidelberg, March 2011.

**Virmani, D. and Jain, S.** 'Performance analysis of lifetime maximizing trees for data aggregation in wireless sensor networks'. *International Journal on Computer Science and Engineering*, Vol. 3, No. 1, Jan 2011, pp. 276-285, ISSN: 0975-3397.

**2010.** 'Stable Routing for achieving Quality of Service in Wireless Sensor Networks'. *International Journal of Computer Application special issue on Mobile Ad-hoc Networks*, DOI 10.512/1010-47, pp. 30-34, ISSN: 0975-8887.

'Construction of Centralized Lifetime Maximizing Tree for Data Aggregation in Wireless Sensor Networks', *International Journal of Computer and Electrical Engineering (IJCEE)*, pp. 529-534, ISSN: 1793-8163.

'Comparison between Various Application Independent Data Aggregation Techniques in Sensor Networks', *International Journal of Computer Science and Network Security*, Vol. 8, No. 7, pp. 247-254, ISSN: 1738-7906.

'Node energy Constraint Comparison of DSR & DSDV routing Protocols of Adhoc networks', *GPM Journal of Technology & Management*, Vol. 1, No. 1, 2007, pp. 7-12.

'Fault Tolerant Optimal Path for Data Delivery in Wireless Sensor Networks', *ACM Digital Library* 10.1145/1858378.1858424/2010, pp. 35-41.

'Robust and Real Time Data Delivery in Wireless Sensor Networks', LNCS Springer's, Book series CCIS, DOI 10.1007/978\_3-642-15766-9\_19/2010, ISSN -1865-0937, pp. 129-135.

'Virtual nodes for self-stabilization in wireless sensor networks', LNCS Springer's, Book series CCIS, DOI 10.1007/978\_3-642-15766-0\_57/2010, ISSN -1865-0937, pp. 371-375.

'Quality of Service on-Demand Power Aware Routing Algorithm For Wireless Sensor Networks', LNCS Springer's, Book series CCIS, DOI 10.1007/978\_3-642-12214-9-46/2010, ISSN -1865-0937, pp. 281-289.

## **FACULTY OF MATHEMATICAL SCIENCES**

### **COMPUTER SCIENCE**

#### **Major Activities**

The faculty strength being at the minimum, the department concentrated more on quality teaching. The department has a track record of 100% placement ever since the first batch of our MCA students came 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 45 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.

The department has published about 35 research papers in reputed National/International Journals and held Conferences from April 2010 to March 2011.

#### **Ph.D. Degrees awarded**

Ph.D. - 2

#### **Programmes taken up involving inter-institutional collaboration**

Workshop on Analysing Massive volume of data in collaboration with University of Aizu, Japan 21-23 December 2010).

International Workshop on Algorithms and Computation, in collaboration with IIT Delhi, 18-20 February 2011.

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

**Dr. Vidya Kulkarni:** Seminar on 'Future is Smart Phone' by Mr. Vikas Sahni.

**Dr. S.K. Muttoo:** Seminar on 'Jacket Matrices' Principal and Applications to Computer Science by 'Prof. Moon Ho Lee' from Korea.

**Dr. Neelima Gupta:** International Workshop on Algorithms and Computation in collaboration with IIT Delhi, 18-20 February 2011.

Seminar on 'Approximation Algorithms for Data Placement on Parallel Disks' by Prof. Sameer Khuller.

Seminar on 'Incentive based approach to identify selfish nodes in Mobile P2P Networks' by Dr. Sanjay Madria.

Seminar on 'Graph Density' by Prof. Sambudha Roy.

**Dr. Vasudha Bhatnagar:** Seminar on 'Information retrieval from data bases' by Prof. Subhash Bhalla.

**Dr. Vidya Kulkarni:** Organized one day Workshop 'Design Science Research in Information Technology' for Computer Science teachers of Colleges affiliated to University of Delhi, 12 November 2010 by Prof. Vaishnavi.

### **Seminars/Conferences attended**

**Dr. Neelima Gupta:** Delivered an Invited talk on 'collaborative attacks on ad hoc networks', international Conference on mobile data management held in Kansas City, USA, 23-26 May 2010.

The Indian International Conference FSTTCS, Chennai, December 2010.

National Knowledge Network Workshop Conference Centre, University of Delhi, 25 March 2011.

School on 'approximation algorithms', held in Bengaluru, Jan. 2011.

**Dr. Neelima Gupta Dr. Punam Bedi and Dr. Vasudha Bhatnagar::** SRDS 2010 – 29<sup>th</sup> IEEE International Symposium on Reliable Distributed Systems, India International Centre, New Delhi, 31 October – 3 November 2010.

**Dr. Vasudha Bhatnagar:** IEEE International Conference on Intelligent Systems Design and Applications, Cairo, Egypt, 29 November – 1 December 2010.

14th Pacific-Asia Conference on Knowledge Discovery and Data Mining (*PAKDD 2010*), Hyderabad, 21-24 June 2010.

Seminar on 'Cloud Computing' at Jamia Millia Islamia, February 2011

**Dr. Punam Bedi:** International Conference on World Wide Web: Technology, Standards and Internationalization, Hotel Lalit, New Delhi, 6-7 May 2010.

**Dr. Vidya Kulkarni:** 'Recent Trends in Software Testing' organized by Department of Computer Engineering, Delhi Technological University, 17 September 2010.

**Dr. Punam Bedi:** National Knowledge Network Workshop Conference Centre, University of Delhi, 25 March 2011.

Symposium on Universities and Government Funding in the Developing and Developed Worlds, Conference Centre, University of Delhi, 29 April 2010.

## **Publications**

### *Journal Publications: Peer Reviewed*

**Kulkarni, V. Olly Gotel, Vidya Kulkarni, Moniphal Say, Christelle Scharff and Thanwadee Sunetnanta**, 'Quality Indicators on Global Software Development Projects: Does 'Getting to Know You' Really Matter?'. *Journal of Software Maintenance and Evolution: Research and Practice J. Softw. Maint. Evol.: Res. Pract.* (2010) Published online in Wiley Inter Science (www.interscience.wiley.com). DOI: 10.1002/smr.474 ISSN: 1532-060X

**Hazra, P.K. and De Asok.** 'Quality of service (QOS) Enhancement of IEEE 802.11e EDCA through Frame-bursting and Block. Acknowledgement'. *International Journal of Microwave and optical Technology*, Vol. 5, No. 6. November 2010, pp. 435-444.

**Khurana, S. and Gupta, N.** 'End-to-end protocol to secure ad hoc networks against wormhole attacks'. *Wiley Journal of Security and Communication Networks*, 4:10.1002/sec.272, January 2011.

**Thukral, A., Bedi, P. and Banati, H. 2011.** 'Architecture to organize social semantic relevant web resources in a knowledgebase', *International Journal of e-Education, e-Business, e-Management and e-Learning (IJEEME)*, 1(1): 45-51. International Association of Computer Science and Information Technology Press (IACSIT).

**Bedi, P. and Chawla, S. 2011.** High Scent Web Page Recommendation using Fuzzy Rough Set Attribute Reduction, J.F. Peters et al. (Eds.): *Transactions on Rough Sets XIV*, LNCS 6600 : 18—36. Berlin Heidelberg: Springer-Verlag.

**Bedi, P., Sinha, A.K., Agarwal, S., Awasthi, A., Prasad, G. and Saini, D. 2010.** 'Influence of Terrain on Modern Tactical Combat – A case study of Trust Based Recommender System'. *Defense Science Journal*, 60(4): 405-411.

### *Conference Publication Peer Reviewed*

**Sunetnanta, T., Gotel, O., Scharff, C., Kulkarni, V. and Say, M.** 'Preparing Students With Key Competencies and Skills for a Global Labor Market: A Case Study of Virtual Transnational Lesson Delivery Through a Global Software Development Project", *Proceedings of the 6th QS-Asia Pacific Professional Leaders in Education Conference*, Singapore, 17-19 November 2010.

**Scharff, Gotel, and Kulkarni, V.** 'Transitioning to Distributed Development in Students' Global Software Development Projects: The Role of Agile Methodologies and End-to-End Tooling", *Proc. of the International Conference on Software Engineering Advances (ICSEA 2010)*, Nice, 22-25 August 2010.

**Hazra, P.K. and De Asok.** ‘Performance Analysis, Effect of Internal Collision Handling and QoS Enhancement of IEEE 802.11e EDCA” . In Proceedings of 3rd International Conference on Data Management (ICDM-2010) – Innovations and Advances in Communications, Information and Network Security – Macmillan Advanced Research Series.

‘Performance Analysis of IEEE 802.11e Enhanced Distributed Channel Access Protocol’. In Proceedings of International Conference on Business and Information Technology: Contemporary Research And Development (ICBIRD 2010) – Data And Information Management– Macmillan Advanced Research Series.

**Kumar, S. and Muttoo, S.K.** ‘An Overview on Wavelet-like Transforms in Image Data Hiding’, Proceeding of the National Conference on Computing for National Development, 2010, New Delhi, 25-26 Feb. pp. 263-268.

‘Data Hiding techniques based on Wavelet-like Transform and Complex Wavelet Transform’, International Symposium on Intelligence Information Processing and Trusted Computing, IPTC 2010, Huanggang, China, 28-29 Oct. 2010, published in IEEE Xplore.

‘Image Steganography based on Complex Double Dual Tree Wavelet Transform’, 3rd International Conference on Signal Acquisition and Processing (ICSAP 2011), Singapore, 26-28 Feb. 2011.

‘Steganography based on Contourlet Transform’, accepted for publication in *International Journal of Computer Science and Information Security (IJCSIS)*, Vol. 9 to. 6, June 2011.

‘Image steganography based on Complex Wavelet Transform’, 2<sup>nd</sup> National Conference on Software Engineering and Information Security (NCSEIS10), Acropolis Institute of Technology and Research, Indore, India, 23-24 December, 2010, IEEE Computer Society sponsored, pp.147-151

**Kumar, N., Gupta, A. and Bhatnagar, V.** Mining Closed Frequent Itemsets in Data Streams using Formal Concept Analysis, in Proceedings of 12<sup>th</sup> International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2010 ), Spain, 30 August - 3 September 2010.

**Gupta, N., Pancholi, A. and Sabharwal, Y. 2011.** ‘Clustering with Internal Connectedness’, In proceedings of WALCOM.

**Aggarwal, A., Anand, L., Bansal, M., Garg, N., Gupta, N., Gupta, S. and Jain, S. 2010.** ‘A 3-approximation for facility location with uniform capacities”, In Proceedings of IPCO.

**Gupta, N. and Aggarwal, S. 2010.** ‘MIB: Using Mutual Information for Biclustering gene expression data’, *Elsevier Journal of Pattern Recognition*, Volume 43, Issue 8, pp. 2692-2697.

**Sharma, R., Banati, H. and Bedi, P. 2011.** Social Support Based Multi-Agent Framework for Designing an e-Learning Course, In proceedings ICIET 2011 - 2011 IEEE International Conference on Information and Education Technology, 26-28 January 2011, Guiyang, Guizhou, China, Vol. 1, 175-180. USA: IEEE Xplore.



**Gandotra, V., Singhal, A. and Bedi, P.** Cross Threats Evaluation and Control in Proactive Risk Management, In proceedings ICSST 2011 - International Conference on Security Science and Technology, 21-23 January 2011, Chongqing, China, 257-262. USA: IEEE Xplore.

**Gupta, B., Bedi, P. and Negi, H.K.** 2011. An Agent based Reputation System for Unreliable Grid Environment, In proceedings ICCMS 2011 - 3rd International Conference on Computer Modeling and Simulation, 7-9 January 2011, Mumbai, India, Vol. 1, 175-180. USA: IEEE Xplore.

**Bedi, P. and Vashisth, P.** 2011. Social-Cognitive Trust Integrated in Agents for e-Commerce, In proceedings IC4E 2011 - 2nd International Conference on e-Education, e-Business, e-Management and e-Learning, 7-9 January 2011, Mumbai, India, 68-74. USA: IEEE Xplore.

**Thukral, A., Bedi, P. and Banati, H.** 2011. Automatic Organization of Web Resources in Ontologies for Learning Purpose. In proceedings IC4E 2011 - 2nd International Conference on e-Education, e-Business, e-Management and e-Learning, 7-9 January 2011, Mumbai, India, 38-44. USA: IEEE Xplore.

**Bedi, P. and Vashisth, P.** 2011. Extending Speech-Act based Communication to Enable Argumentation in Cognitive Agents, ICAC3 2011, S. Unnikrishnan, S. Surve, and D. Bhoir (Eds.: ICAC3 2011, CCIS 125 : 25-40, 2011. Berlin Heidelberg: Springer-Verlag.

**Bajaj, R., Bedi, P. and Pal, S.K.** 2010. Best Hiding Capacity Scheme for Variable Length Messages Using Particle Swarm Optimization, In Proceedings SEMCCO 2010, LNCS 6466: 230-237, Berlin Heidelberg: Springer-Verlag.

**Bedi, P., Singh, R. and Kaur, T.M.** 2010. Use of Robot for Ensuring Security in a Closed Region, ICCIC 2010 - IEEE International Conference on Computational Intelligence and Computing Research, December 28-29, 2010, Coimbatore, India, 1-4. USA: IEEE Xplore.

**Bedi, P. and Vashisth, P.** 2010. Designing Cognitive Agents for Argumentation based Negotiation in Electronic Trading, ICACCT 2010-4th International Conference on Advanced Computing & Communication Technologies, 492-497, The Computer Society Chapter, IEEE Delhi Section.

**Sharma, R. and Bedi, P.** 2010. Adaptive Link Sequence Recommendation Based On Ant Colony Metaphor. In proceedings ACS 2010 - International Conference on Advances in Computer Science: 232-236. ACEEE.

**Gaur, V., Sharma, N. and Bedi, P.** 2010. 'Evaluating Reputation Systems for Agent Mediated e-Commerce. In proceedings ACS 2010 - International Conference on Advances in Computer Science: 220-224. ACEEE.

**Aakansha, Bedi, P.** 2010. MPG-TAR: Mobile Process Groups Based Trust Aware Routing Protocol for MANETs. In proceedings ARTcom 2010 - Advances in Recent Technologies in Communication and Computing, 16-17 October 2010, Kottayam, India, 131-135. USA: IEEE Xplore and IEEE CS Digital Library.

**Bedi, P., Banati, H. and Thukral, A. 2010.** Social Semantic Retrieval and Ranking of eResources. In proceedings ARTcom 2010 - Advances in Recent Technologies in Communication and Computing, 16-17 October 2010, **Kottayam, India, 343-347.** USA: IEEE Xplore and IEEE CS Digital Library.

**Bedi, P. and Vashisth, P. 2010.** Negotiation using Argumentation for Location based e-commerce in a Multi Agent Society. In proceedings ICAI'10 - The 2010 International Conference on Artificial Intelligence, WORLDCOMP'10, 12-15 July 2010, Las Vegas, 444-450. USA: CSREA Press.

**Gandotra, V., Singhal, A. and Bedi, P. 2010.** A step towards secure software system using fuzzy logic. In proceedings ICCT'10 - the 2nd International Conference on Computer Engineering and Technology, 16-18 April 2010, Chengdu, China, 427-432. USA: IEEE Press and IEEE Xplore.

**Bhatnagar, V., Bhardwaj, M. and Mahabal, A.** Comparing SVM Ensembles for Imbalanced Datasets, In Proceedings of IEEE International Conference on Intelligent Systems Design and Applications, 29 Nov. – 1 Dec. 2010, Cairo, Egypt.

**Kumar, N., Gupta, A. and Bhatnagar, V.** Mining Closed Frequent Itemsets in Data Streams using Formal Concept Analysis, In Proceedings of 12th International Conference on Data Warehousing and Knowledge Discovery (DaWaK 2010), Spain, 30 Aug.-3 Sept. 2010.

**Bhatnagar, V., Ahuja, S.** Robust Clustering Using Discriminant Analysis, In Proceedings of 10th Industrial Conference on Data Mining, Berlin/Germany, 12-14 July 2010.

**Bhatnagar, V., Zaman, E., Rajpal, Y. and Bhardwaj, M.** Vis Tree: Generic Decision Tree Inducer and Visualizer, 6th Workshop on Databases in Networked Information Systems, University of Aizu, Japan, LNCS 5999, Springer-Verlag, 29-31 March 2010.

## MATHEMATICS

### Major Activities

The Department of Mathematics is one of the four departments under the Faculty of Mathematical Sciences of the University of Delhi and has 18 faculty members. The faculty members conduct research in the areas of: 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, Commutative Algebra, Numerical Analysis, and Fluid Dynamics. The Department organized two Advance training programmes in Mathematics for Lecturers sponsored by NBHM and a Conference on 'Differential Equations, Computing and Modelling'.

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

Ph.D.	-	12
M.Phil.	-	12

## Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
R & D Doctoral Programme.	Prof. Ajay Kumar, Prof. R.K.Mohanty Dr. Lalit Kumar, Dr. Kanchan Joshi Dr. Arvind Patel, Dr. Tanvi Jain Dr. Anupama Panigrahi, Dr. Atul Gaur	DU

## Programmes taken up involving inter-institutional collaboration

**Prof. Ajay Kumar:** Organized a symposia on 'Harmonic Analysis' at Ramanujan Mathematical Society at Jalandhar, 3-5 May 2010.

## Appointments of Faculty members to higher Posts/Assignments

**Prof. Dinesh Singh,** Vice Chancellor, University of Delhi, Delhi.

**Prof. B. K. Dass:** Dean, Faculty of Science, University of Delhi, Delhi

**Prof. Ajay Kumar:** Dean Research, University of Delhi, Delhi

**Prof. V. Ravichandran:** Visiting Professor, Universiti Sains Malaysia, Penang, Malaysia, 1 January-31 December 2011.

**Dr. Tanvi Jain:** Selected an Associate in the Indian Academy of Sciences in May 2010.

## Honours/Distinctions

**Prof. B.K. Dass:** Elected as President of *Academy of Discrete Mathematics and Applications*.

**Prof. V. Ravichandran:** Won Best Research Paper award in the Category of Science, Technology and Medicine 2009 by the Malaysian Council of Scholarly Publications (Majlis Penerbitan Ilmiah Malaysia MAPIM), 21 March 2010 which was awarded by the Malaysian Mathematical Sciences Society on 8 December 2010.

## Seminars/Conferences held

'Differential Equations, Computing and Modelling', Department of Mathematics, University of Delhi, 20-24 December 2010.

Advance Training Programme in Mathematics for Lecturers, Sponsored by NBHM held at Delhi University, 21 March – 3 April 2010.

## Seminars/Conferences attended

**Prof. Ajay Kumar:** Annual Ramanujan Mathematical Society held at Jalandhar, 3-5 May 2010.

**Dr. R. Panda:** ICM organized at Hyderabad in August 2010.

Recent trends in Non-Linear Elliptic Partial Differential Equations, TIFR-CAM, Bengaluru, 6- 8 January 2011.

**Dr. Tanvi Jain:** ICWM and ICM organized at Hyderabad, August 2010.

## Publications

- Ambethkar, V. 2010.** 'Numerical Study of Heat and Mass Transfer in Magneto Hydrodynamic Flow past a Vertical Plate with constant injection and heat flux, Selcuk'. *J. Applied Maths*, 11(2), 109-122.
- 2010.** A Numerical Study of Heat and Mass Transfer Effects on an Oscillatory Flow of a Viscoelastic Fluid with Thermal Relaxation, *Adv. in Theort & Appl. Mech*, 3(8),397-407.
- 2011.** 'Finite Volume Method for Steady Viscous Incompressible Flow with Heat Transfer', *Int. J. Applied. Maths*, 24(2), 289-300.
- Ambethkar, V. and Singh, P.K. 2011.** 'Effect of magnetic field on an oscillatory flow of a viscoelastic fluid with thermal radiation', *Appl. Math. Sci*, 5(19), 935-946.
- Dass, B.K. and Arora, R. 2010.** 'Codes Correcting Repeated Burst Errors Blockwise', *Applied Mathematical Sciences*, 4(49), 2405-2416.
- Dass, B.K. and Madan, S. 2010.** 'Repeated Burst Error Locating Linear Codes', *Discrete Mathematics, Algorithms and Applications*, 2(2), 181-188.
- Dass, B.K. and Arora, R. 2010.** Codes Correcting Low-density Repeated Burst Errors Blockwise, in *Advances in Information Theory and Operations Research*, VDM Verlag (Germany), 67-93.
- Dass, B.K. and Madan, S. 2010.** 'Syndromes of Shifts in Cyclic Codes', in *Information Theory and Optimization Techniques in Scientific Research*, VDM Verlag, (Germany), 69-88.
- 2010.** Blockwise Repeated Burst Error Correcting Linear Codes, *Ratio Mathematica - Journal of Applied Mathematics*, 20, 97-126.
- Dass, B.K. and Arora, R. 2010.** 'Error locating codes dealing with repeated low-density burst errors', *Ratio Mathematica - Journal of Applied Mathematics*, 20, 67-96.
- Dass, B.K. and Vera, R. 2011.** Bounds for 2-Repeated Low-density Burst Error Correction Codes, Learning Manual of *Workshop on Optimization and Information Theory with their Applications*, JUET, Guan (M.P.), 24-27 March 89-123.
- Gupta, V. and Kumar, P. 2011.** 'Armendariz and Quasi Armendariz semirings and P.S. semirings', *Asian European J. of Mathematics* 4, 81-94.
- Gupta, V. and Chaudhari, J.N. 2011.** 'Prime ideals in semirings', *Bull. Malaysian Math. Sci. Soc.* 34, 417-421.
- Begehr, H., Chaudhary, A. and Kumar, A. 2010.** 'Bi-polyanalytic functions in the upper half'. *Complex Variables and Elliptic Equations* 55, 305-316.
- Chaudhary, A. and Kumar, A. 2010.** 'Mixed Boundary value problems in the upper half plane'. *Journal of Applied Functional Analysis* 5, 209-220.

- Kumar, A. and Mishra, M.M. 2010.** ‘Green’s functions on the Heisenberg Group. Analysis’, *International Mathematical journal of Analysis and its applications* 30, 147-155.
- 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, 931-944.
- 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, 379-393.
- 2010.** ‘Single Cell Compact Finite Difference Discretizations of Order Two and Four for Multi-dimensional Triharmonic Problems’, *Numerical Methods for Partial Differential Equations*, 26, 1420-1426.
- 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, 133-141.
- Mohanty, R.K. and Singh, S. 2011.** ‘High Accuracy Numerov Type Discretization for the Solution of One Space Dimensional Non-linear Wave Equations with Variable Coefficients’, *Journal of Advanced Research in Scientific Computing*, 03, 53-66.
- Mohanty, R.K., Jain, M.K. and Dhall, D. 2011.** ‘A Cubic Spline Approximation and Application of TAGE Iterative Method for the Solution of Two-point Boundary Value Problems with Forcing Function in Integral Form’, *Applied Mathematical Modelling*, 35, 3036-3047.
- Mohanty, R.K. and Dahiya, V. 2011.** ‘An  $O(k^2+kh^2+h^4)$  Accurate Two-level Implicit Cubic Spline Method for One Space Dimensional Quasi-linear Parabolic Equations’, *American Journal of Computational Mathematics*, 01, 11-17.
- Mohanty, R.K., Grossmann Christian and Roos, H.G. 2011.** ‘A Direct Higher Order Discretization in Singular Perturbations via Domain Split - A Computational Approach’, *Applied Mathematics and Computations*, 217, 9302-9312.
- Ali, R.M., Nak Eun Cho, Oh Sang Kwon, and Ravichandran, V. 2011.** ‘Subordination and Superordination for Multivalent Functions Associated with the Dziok-Srivastava Operator’, *Journal of Inequalities and Applications*, Volume 2011 (2011), Article ID 486595, p. 17.
- Ali, R.M. and Ravichandran, V. 2011.** Integral operators on the classes of multivalent Ma-Minda starlike and convex functions, *Mathematical and Computer Modelling*, Volume 53, 581-586.
- Ali, R.M., Chandrashekar, R., Ravichandran, V. 2011.** Janowski Starlikeness for a Class of Analytic Functions, *Applied Mathematics Letters*, Vol. 24, Issue 4, 501-505 .

**Ali, R.M., Badghaish, A.O. and Ravichandran, V. 2010.** ‘Multivalent functions with respect to n-ply points and symmetric conjugate points’, *Computers and Mathematics with Applications*, Vol. 60, Issue 11, 2926-2935.

**Ali, R.M., Ravichandran, V. and Seenivasagan, N. 2010.** ‘Differential subordination and superordination of analytic functions defined by the Dziok-Srivastava linear operator’, *Journal of Franklin Institute*, Volume 347, Issue 9, 1762-81.

## OPERATIONAL RESEARCH

### Major Activities

The Department of Operational Research is a key educational and research unit of the University of Delhi. Besides regular teaching and research the thrust of the department 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 Department is regularly updated to meet the challenges of complex decision-making in business environment.

The 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, (viii) Soft Computing and (ix) Control Theory.

In most instances, research is conducted in multi-disciplinary application areas. Faculty members have published 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.	-	4
M.Phil.	-	7

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
On the development of two dimensional software reliability growth models: a new insight	Prof. P.K. Kapur	DU

Quantitative software analysis assessment : a unified modelling approach. Prof. P.K. Kapur DST

Generalized Optimization Framework using fuzzy methodology in applications areas of operational research/ management science Dr. Pankaj Gupta DU

### **Programmes taken up involving inter-institutional collaboration**

**Prof. P.K. Kapur:** Inter-institutional Research collaboration with Prof. H. Pham, Department of Industrial Engineering, Rutgers University, New Jersey, USA.

**Dr. Pankaj Gupta:** Inter-institutional Research collaboration with Prof. Masahiro Inuiguchi, Department of Systems Innovation, Graduate School of Engineering Science, Osaka University, Japan.

### **Honours/Distinctions**

**Prof. P.K. Kapur:** Citation in the Who's Who in the World 2011 (28th Edition).

Conferred Life Time Achievement Award for exceptional, dedicated and pioneering research contribution in the area of software reliability by Society for Reliability & Safety, Mumbai, 2010.

Honoured by Lingaya's University for his seminal contributions as an author and researcher in Software Reliability, Faridabad, 2010.

Conference Chairman of International Congress of Productivity, Quality, Reliability, Optimization and Modelling held at Indian Habitat Center, Delhi, 7-8 February 2011.

Patron, 2nd International Conference on Reliability, Safety & Hazard (ICRESH-2010), Organized by BARC, Mumbai, 14-16 December 2010.

Invited to deliver a keynote address in the International Conference on Development and Applications of Statistics in emerging areas of science and technology held at Jammu, 8-10 December 2010.

Chairman of International Advisory Committee of International Conference on Reliability, Infocom Technology and Optimization (Trends and Future Directions), Lingaya's University, Faridabad, 2010.

Invited to deliver a keynote address in the International Conference on Reliability, Infocom Technology and Optimization (Trends and Future Directions), at Lingaya's University, Faridabad, 1-3 November 2010.

Invited to deliver a keynote speech at 2nd International Conference on Reliability Safety and Hazards - 2010, Mumbai, 14-16 December 2010.



Guest Editor, special issues of Communications in Dependability and Quality Management, an International Journal, 2010.

Guest Editor, special issue of International Journal of Reliability, Quality and Safety Engineering, 2010.

Editor-in-Chief, International Journal of System Assurance Engineering & Management (IJSAEM), Springer, 2010.

Editor, Special issue of International Journal of System Assurance Engineering & Management (IJSAEM) on Software Reliability, Springer, 2010.

**Dr. Pankaj Gupta:** Invited to deliver a talk in the International Conference on Optimization Theory and Applications (ICOTA 8) at Shanghai, China, 10-13 December 2010.

Invited to deliver a talk in the ORSI 2010 convention and International Conference on Operational Research for Rural and Urban Development at Madurai, 15-17 Dec. 2010.

### **Seminars/Conferences attended**

**Prof. P.K. Kapur:** Participated in the International Congress of Productivity, Quality, Reliability, Optimization and Modelling, Indian Habitat Center, Delhi, 7-8 February 2011.

Participated in the 5th National Conference, INDIACOM-2011 at Bharati Vidyapeeth's Institute of Computer Applications and Management, 10-11 March, 2011, New Delhi.

Participated in the 2nd International Conference on Reliability, Safety and Hazard-Risk-Based Technologies and Physics—of Failure Methods, Bhabha Atomic Research Centre, Mumbai, 14-16 December 2010.

Participated in the International Conference on Development and Applications of Statistics in emerging areas of science and technology at Jammu, 8-10 December 2010.

Participated in the International Conference on Reliability, Infocom Technology and Optimization (Trends and Future Directions), held at Lingaya's University, Faridabad, 1-3 November 2010.

Participated in the International Conference on Statistics, Probability, Operations Research, Computer Science and Allied Areas in conjunction with the VIII International Indian Statistical Association Joint Statistical Meeting, Andhra University, Visakhapatnam, 4-8 December 2010.

Delivered a lecture at the National Workshop sponsored by the DST, Government of India held at Department of Statistics, M.D. University, Rohtak, 17-21 August 2010.

**Dr. (Mrs.) Preeti Wanti Srivastava:** Participated and presented research paper in Workshop on Reliability Theory and Survival Analysis organized by IIT, Mumbai, 25-27 November 2010.

Participated in the International Congress on Productivity, Quality, Reliability, Optimization and Modelling, jointly organized by ISI, Quality Council of India and DRDO. Two research papers were presented by research scholars doing Ph.D. under her supervision, 7-8 February 2011.

**Dr. Pankaj Gupta:** Delivered a lecture at the National Workshop sponsored by the DST, Government of India held at Department of Statistics, MD University, Rohtak, 17-21 August 2010.

Participated in the International Congress on Productivity, Quality, Reliability, Optimization and Modelling, jointly organized by ISI, Quality Council of India and DRDO and Chaired two technical sessions, 7-8 February 2011.

**Dr. Ompal Singh:** Participated in the 5th National Conference, INDIACOM-2011, Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, 2011.

Participated in the International Congress on Productivity, Quality, Reliability, Optimization and Modeling (ICPQROM), ISI, New Delhi, 2011.

Participated in the International Conference on 'Reliability, Infocom Technology and Optimization' (ICRITO), Lingya's University, Faridabad 2010.

Participated in the 2nd International Conference on 'Reliability, Safety and Hazard', Mumbai, 2010.

Participated in the International Conference on Development and Applications of Statistics in Emerging Areas of Science and Technology, Jammu, 2010.

#### **Publications**

**Kapur, P.K. 2011.** Software Reliability Assessment with O.R. Applications, Springer.

#### *Research Articles*

**Kapur, P.K., Pham, H., Anand, S. and Yadav, K. 2011.** A Unified Approach for Developing Software Reliability Growth Models in the Presence of Imperfect Debugging and Error Generation. *IEEE Transactions on Reliability*, IEEE. 60 (1): 331-40.

**Jha, P.C., Bali, S. and Kapur, P.K. 2011.** 'Fuzzy Approach for Selecting Optimal COTS Based Software Products Under Consensus Recovery Block Scheme'. *International Journal of Information Technology*. 3(1).

**Kapur, P.K., Pham, H., Gupta, A. and Jha, P.C. 2011.** 'Optimal Release Policy under Uncertainty'. *International Journal of Systems Assurance Engineering and Management*. 2(1): 48-58.

**Kapur P.K., Singh O., Singh, J. and Garmabaki, A.S. 2010.** 'Multi Upgradation Software Reliability Growth Model with Imperfect Debugging'. *International Journal of System Assurance and Engineering Management*. 1(4): 299-306.

- Damodaran, D., Gopal, G. and Kapur, P.K. 2010.** 'A Bayesian Erlang Software reliability model'. *Communications in Dependability and Quality Management*. 13(4): 82-90.
- Kapur, P.K., Aggarwal, A.G. and Kaur, G. 2010.** Software architecture based reliability estimation and related optimal effort. *Communications in Dependability and Quality Management, An International Journal*. 13(4): 5-18.
- Kapur, P.K., Aggarwal, A.G. and Kumar, R. 2010.** 'A unified approach for discrete software reliability growth model for faults of different severity using infinite server queuing model'. *Communications in Dependability and Quality Management, An International Journal*. 13(4): 66-81.
- Kapur, P.K., Singh, O. and Kumar, J. 2010.** 'Modelling detection correction process in software reliability'. *Communications in Dependability and Quality Management, An International Journal*. 13(4): 98-105.
- Kapur, P.K., Chanda, U. and Kumar, V. 2010.** 'Dynamic Allocation of Testing Effort when Testing and Debugging are Done concurrently'. *Communications in Dependability and Quality Management*. 13(3): 14-28.
- Kapur, P.K., Singh, O., Singh, J. and Yadav, K. 2010.** 'Component-specific testing-effort functions based software reliability growth modelling for distributed environment'. *Communications in Dependability and Quality Management*. 13(3): 46-60.
- Kapur, P.K., Tandon, A. and Kumar, R. 2010.** 'Unified framework for discrete software reliability growth modeling with change point and a related release time problem'. *Communications in Dependability and Quality Management*. 13(3): 86-97.
- Kapur, P.K., Aggarwal, A.G. and Tandon, A. 2010.** 'Two Dimensional Software Reliability Growth Model with Faults of Different Severity', *Communications in Dependability and Quality Management*. 13(3): 98-110.
- Jha, P.C., Indumati and Kapur, P.K. 2010.** 'Interactive Approach to Release Time Problem of Software under Fuzzy Environment'. *Communications in Dependability and Quality Management*. 13(3): 61-75.
- Kapur, P.K., Basirzadeh, M., Inoue, S. and Yamada, S. 2010.** 'Stochastic Differential Equation based SRGM for Errors of Different Severity with Testing-Effort'. *Quality and Reliability Engineering International*. 17(3): 179-97.
- Kapur, P.K., Sameer, A., Inoue, S. and Yamada, S. 2010.** 'A Unified Approach for Developing Software Reliability Growth Model Using Infinite Server Queuing Model'. *International Journal of Reliability, Quality and Safety Engineering*. 17(5): 401-24.
- 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., Singh, O., Chanda, U. and Basirzadeh, M. 2010.** ‘Determining Adoption Pattern with pricing using Two Dimensional Innovation Diffusion Model’. *Journal of High Technology Management Research*. 21: 136-46.
- Kapur, P.K., Aggarwal, A.G., Shatnawi, O. and Kumar, R. 2010.** ‘On the Development of Unified Scheme for Discrete Software Reliability Growth Modelling’. *International Journal of Reliability, Quality and Safety Engineering*. 17(3): 245-260.
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- Singh, S., Gupta, P. and Vlach, M. 2011.** ‘On multiparametric analysis in generalized transportation problems’. *Lecture Notes in Computer Science*. 6784: 300-15.
- Singh, O., Kapur, R. and Singh, J. 2010.** ‘Considering the effect of learning with two types of imperfect debugging Software Reliability Growth Modelling’. *Communications in Dependability and Quality Management, an International Journal*. 13(4): 29-39.
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**Kapur, P.K., Singh, O. and Singh, J. 2011.** Stochastic Differential Equation based Software Reliability Growth Modelling with change point and two types of Imperfect Debugging. Proceedings of the 5th National Conference; INDIACom 2011, M. N. Hoda (Ed.), *Bharati Vidyapeeth's Institute of Computer Applications and Management*, New Delhi, pp. 605-12.

**Kapur, P.K. and Kumar, V. 2011.** Testing Resources Allocation for Fault Detection and Correction Process Under Dynamic Environment. Proceedings of the 5th National Conference; INDIACom 2011, M. N. Hoda (Ed.), *Bharati Vidyapeeth's Institute of Computer Applications and Management*, New Delhi, pp. 331-336.

**Kapur, P.K., Tandon, A. and Kaur, G. 2010.** Multi Up-gradation Software Reliability Model. Proceedings of 2nd International Conference on Reliability, Safety & Hazard (ICRESH-2010), IEEE, Mumbai, pp. 468-74.

**Singh, V.B., Khatri, Sunil K. and Kapur, P.K. 2010.** 'A Reliability Growth Model for Objected Oriented Software Development under Concurrent Distributed Development Environment' published in the proceeding of 2nd International Conference on Reliability, Safety & Hazard (ICRESH-2010), IEEE, Mumbai, pp. 479-84.

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**Singh, V.B., Singh, O.P., Kumar, R. and Kapur, P.K. 2010.** A Generalized Reliability Growth Model for Open Source Software. Proceedings of 2nd International Conference on Reliability, Safety & Hazard (ICRESH-2010), IEEE, Mumbai, pp. 523-528.

**Aggarwal, A.G., Kaur, G. and Kapur, P.K. 2010.** Optimal Testing Resources Allocation for Modular Software Considering Imperfect Debugging and Change Point using Genetic Algorithm. Proceedings of 2nd International Conference on Reliability, Safety & Hazard (ICRESH-2010), IEEE, Mumbai, pp. 535-541.

**2010.** The Effect of Change Point Resources Allocation Problem for a Modular Software. Proceedings of International Conference on Reliability, Infocom Technology and Optimization held at Lingaya's University, Faridabad, 1-3 November, pp. 134-150.

- Kapur, P.K., Singh, O. and Tandon, A. 2010.** Bicriterion Release Policy for A Software Reliability Growth Model Incorporating the Effect of Change Point. Proceedings of International Conference on Reliability, Infocom Technology and Optimization held at Lingaya's University, Faridabad, 1-3 November, pp. 214-225.
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- Jha, P.C., Arora, R. and Kapur, P.K. 2010.** Selection of Optimal Cots Based Software Components for Recovery Block Scheme under fuzzy Environment. Advances in Information Theory and Operations Research, pp.142-153, Om Parkash (Ed.).
- Jha, P.C., Singh, O., Indumati & Kapur, P.K. 2010.** Bi-Criteria Release Time Problem On Two Types Of Imperfect Debugging Under Fuzzy Environment. Advances in Information Theory and Operations Research, pp.197-213, Om Parkash (Ed.).
- Kapur, P.K. 2010.** Software Reliability Assessment Models and Optimization Problems. Information Theory and Optimization Techniques in Scientific Research, pp. 99-129, Om Parkash (Ed).

## STATISTICS

### Major Activities

The Department provides the latest computing facilities with its two well-equipped fully computerized laboratories which are geared to cater to the needs and requirements of the students and researchers. It has organized and invited talks by eminent persons from India and abroad from time to time. Distinguished Professors from abroad visited and delivered research talks and interact with the faculty and students. The Department with 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.	-	3
M.Phil.	-	2

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
'Some Contributions to Record Values and Related Inference'.	Prof. Jagdish Saran	DU
'Inferential Procedures for Stress-Strength Reliability for Some Continuous and Discrete Probabilistic Models'.	Dr. Ajit Chaturvedi	DU

### Seminars/Conferences attended

**Prof. Jagdish Saran:** Participated in Indo-European Conference on Quality Assurance in Higher Education, University of Delhi, 6-7 May 2010.

Participated in 15th Conference of Commonwealth Statisticians, Vigyan Bhawan, New Delhi and Hotel Le-Meridian, New Delhi, 7-10 February, 2011.

**Dr. Ajit Chaturvedi:** Presented the invited talk, 'Uniformly minimum variance unbiased and maximum likelihood estimators of the reliability function of a family of lifetime distributions' at the International Conference on Development and Applications of Statistics in Emerging Areas of Science and Technology along with XXX Annual Convention of Indian Society for Probability and Statistics, held at University of Jammu. Also chaired a session, 8-10 December 2010.

### Publications

**Aggarwal, M.L., Singh, P. and Panda, M.K. 2011.** A-Optimal designs for an Additive Cubic Model. *Statistics and Probability Letters*, 81: 259-266.

**Aggarwal, M.L., Singh, P., Sarin, V. and Husain, B. 2011.** Nearly optimal orthogonally blocked designs for four components based on F-squares, *Communications in Statistics— Simulation and Computation*, 40: 177-195.

**Alam, Md. Wasi and Chaturvedi, A. 2010.** 'Discriminating among overlapping parametric models and estimating survivorship function of insects mortality'. *International Journal of Computational Science and Mathematics*, 2(1): 1-10.

**Biswas, S., Grover, G. and Varshney, M.K. 2010.** 'A method of construction: A multiple increment-decrement life table of HIV population'. *International Journal of Medical and Biological Frontiers*, 17(3): 187-200.



**Grover, G. and Makhija, N. 2010.** '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.

**Gupta, V.K., Singh, P., Kole, B. and Parsad, R. 2010.** 'Addition of runs to a two-level supersaturated designs'. *Journal of Statistical Planning and Inference*, 140: 2531-2535.

**2010.** 'Computer-aided construction of efficient multi-level supersaturated designs'. *Journal of Statistical Theory and Practice*, 4: 221-231.

**2010.** 'Construction of efficient balanced and nearly balanced two-level supersaturated designs'. *Journal of Statistics and Applications*, 5: 179-194.

**Saran, J. and Pandey, A. 2010.** 'Estimation of parameters of a Pareto distribution and its Characterization by  $k^{\text{th}}$  record values'. *Journal of Statistical Studies*, 29: 09-17.

**Saran, J. and Pande, V. 2011.** 'Recurrence relations for moments of progressively type-II right censored order statistics from half logistic distribution'. *Journal of Statistical Theory and Applications*, 10: 11-20.

**Shakeri, N. and Grover, G. 2010.** Estimation of survivorship function based on doubly censored data with application to HIV/AIDS. *Communications in Statistics-Theory and Methods*, 39: 777-790.

**Singh, P. and Panda, M.K. 2011.** 'Optimal Designs for Multi Response Mixture Experiments'. *Journal of the Indian Society of Agricultural Statistics*, 65(1): 91-98.

## 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 (FMS) has developed distinct brand equity. Over the years, students from FMS have gone on to lead the business environment-people with the vision, knowledge and potential to thrive in a dynamic ever changing environment.

- Organizing International Interfaces by FMS at Puducherry
- Lectures by Hon'y. 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 Schools
- Semester-wise hosting of International Students from France and Full right Professor from USA
- Subscription to many e-journals, databases purchase of laptops for all faculty members
- 100% placements despite difficult market conditions
- Winning many awards in B-School Competition including International Awards

## Ph.D. Degrees awarded

Ph.D. - 6

## Seminars/Conferences attended

**Prof. Ajay Pandit:** 'Case Writing and Course Development' Seminar at Sao Paolo, Brazil, 14-17 March 2011.

**Dr. Mala Sinha:** Attended 3<sup>rd</sup> National Conference on 'Social Entrepreneurship' conducted by XLRI, Jamshedpur, 28-30 January 2011.

**Dr. Monica Singhania:** Attended 10<sup>th</sup> International Conference on 'Corporate Social Responsibility' organized by Loyola University, New Ireland, USA, 18-20 May 2011.

Attended the International Conference on 'Accounting and Finance' at Manipal, Karnataka.

**Dr. Debadyuti Das:** 'Case Writing and Course Development' Seminar' at Sao Paolo, Brazil, 14-17 March 2011.

## FACULTY OF INTER-DISCIPLINARY AND APPLIED SCIENCES

### BIOCHEMISTRY

#### Major Activities

**Prof. Anil K. Tyagi's:** laboratory has identified and characterized several new targets for the development of drugs against tuberculosis and these targets are being explored for the discovery of new therapeutic molecules against TB.

**Prof. Vijay K. Chaudhary's:** group has developed a rapid test "TBConfirm" for the culture confirmation of *M. tuberculosis*. The technology of production TBConfirm test will be transferred to M/s. SPAN Diagnostics Limited, Surat.

**Prof. Prahlad C. Ghosh's:** laboratory mainly focuses on drug delivery using liposomes, PLGA nanoparticles and solid lipids nanoparticles as carriers for the treatment of infectious and cancerous diseases. He has demonstrated that monensin intercalated in folate-tagged liposomes significantly enhanced the cytotoxicity of ricin entrapped in folate-tagged liposomes in folate receptor over expressing human cancer cells.

**Prof. Debi P. Sarkar:** We attempted to perform a global investigation of protein alterations in hepatoma cells in response to Sendai virus infection. This study is the first step towards improving our understanding of the complex cellular events that occur during virus infection in liver cell line. The differential profiling of liver cells with and without virus infection was performed first by conventional two-dimensional gel electrophoresis and also by the improved 2D-DIGE (Difference gel electrophoresis). This will help us to elucidate the virus-host interactions which may help in increasing the efficiency of virosome mediated delivery for liver directed gene therapy and for developing new vaccines based on viral vectors.

Preclinical gene therapy studies with a Gunn rat model, supported jointly by NRDC, New Delhi and AECOM, USA is going on for treating jaundice (Crigler-Najjar Syndrome, Type I Jaundice) with Sendai virus based F-virosome entrapped bilirubin-UDP glucouronyl transferase (BUGT) gene to liver cells.

**Dr. Suman Kundu's:** Group has extensively investigated several new hemoglobin from various organisms that led to novel insight into their stability, regulation of ligand binding and putative function. His group has designed proof-of-principle mass spectrometric and Mossbauer spectroscopic methods for precise identification of mutations leading to structural hemoglobin disorders and other blood disorders. A seed membrane protein called DEK1, important for aleurone signaling, was modelled *in silico*.

**Dr. Alo Nag's:** Research group is actively involved in investigating the key molecular events responsible for transformation of normal cells into cancerous cells. Another research focus of her lab has been to investigate the role of novel tumour suppressor genes. She was also invited for a talk at the Experimental Biology Division, Defence R&D, DIPAS, Delhi.

**Dr. Suneel Kateriya:** Nature uses five different types of sensory photoreceptors (Rhodopsins, BLUF-proteins, phototropins, cryptochromes, and phytochromes) to regulate photosynthesis, photo-orientation, and developmental processes and to receive input signal for their inherent circadian clock. Dr. Kateriya and Prof. Hegemann had discovered novel light-gated ion channel proteins from *Chlamydomonas* (Channelrhodopsins; ChRs) and shown their involvement in the photobehavioral responses in the alga.

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

Ph.D.	-	2
M.Phil.	-	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
DNA Sequencing facility at UDSC (Phase IV).	Prof. Vijay K. Chaudhary	DBT
Multi Centre Evaluation of TB Confirm test (A rapid Immunochromatography test) for culture confirmation of <i>M. tuberculosis</i> .	Prof. Vijay K. Chaudhary	DBT

Development and production of a therapeutic monoclonal antibody against eNAMPT, a novel inflammatory target.	Prof. Vijay K. Chaudhary	NIMITLI (CSIR)
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 anti-malarial and anti-cancer drugs for the treatment of malaria and cancer.	Prof. P.C. Ghosh	DU: R&D Doctoral Research Programme
Novel nanoscale materials targeted towards antimicrobial and anticancer activities.	Prof. Debi P. Sarkar	DBT, Govt. of India
Role of hADA3 in Damaged DNA Pathways.	Dr. Alo Nag	DST-Fast Track Grant, DST, Govt. of India
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 and tools for neuroscience applications.	Dr. Suneel Kateriya, Prof. Peter Hegemann	DBT German
Biochemical and biophysical GTPase from <i>C. reinhardtii</i> .	Dr. Suneel Kateriya,	DST of small characterization
Characterizing novel globins across species and deciphering their stress response and interacting Partners: An Integrated, holistic approach for function elucidation.		DU-DST-PURSE
Understanding blue-light mediated virulence in bacteria-fused under UGC-SAP.		UGC

### **Programmes taken up involving inter-institutional collaboration**

Development and production of a therapeutic monoclonal antibody against eNAMPT, a novel Biopharmaceuticals inflammatory target. Principal Investigator Prof. Vijay K. Chaudhary Sponsoring Organization NIMITLI (CSIR) and Industrial partner Gennova Biopharmaceuticals Ltd.

To evaluate the efficiency of F-virosome mediated gene therapy. Principal Investigator Prof. Debi P. Sakar, Sponsoring Organization AECOM, USA and NRDC, India

Development of new light-sensitive protein tools for neuroscience applications. Principal Investigator Suneel Kateriya and Peter Hegemann DBT & German

### **Honours/Distinctions**

**Prof. Debi P. Sarkar:** Conferred with JC Bose National Fellowship (DST) Award, September 2010.

Elected Fellow of the Indian National Science Academy (INSA), New Delhi, 2010.

### **Seminars/Conferences held**

UGC-SAP Symposium on 'Development of Molecular Strategies to Combat Various Human diseases', Biotech Centre Auditorium, University of Delhi South Campus, New Delhi, 17-18 March 2011.

Symposium-cum-workshop on 'Next Generation Sequencing Data Analysis' jointly organized by the Department of Biochemistry, University of Delhi South Campus and JNU, New Delhi, 28-29 January 2011.

### **Seminars / Conferences attended**

**Prof. P.C. Ghosh:** International Conference on International Liposome Research Days and Lipids, Liposomes and Membrane Biophysics, held at University of British, Vancouver, Canada, 4-8 August 2010.

**Dr. Suman Kundu, M.I. Oshtrakh, A.L. Berkovsky, A. Kumar, A.V. Vinogradov, T.S. Konstantinova and V.A. Semionkin:** <sup>57</sup>Fe Quadrupole Splitting and Isomer Shift in Various Oxyhemoglobins: Study Using Mössbauer Spectroscopy", The 3rd Joint International Conference on Hyperfine Interactions and International Symposium on Nuclear Quadrupole Interactions, Geneva, Switzerland, 13-17 September 2010.

**M.I. Oshtrakh, A.L. Berkovsky, A. Kumar, S. Kundu, A.V. Vinogradov, T.S. Konstantinova and V.A. Semionkin:** 'Heme iron states in various oxyhemoglobins studied using Mossbauer spectroscopy with a high velocity resolution' 7th International Biometals Symposium, Tucson, Arizona, USA, 25-30 July 2010.

'Relationship of the heme iron stereochemistry and Mossbauer hyperfine parameters in different oxyhemoglobins', The 5th Central European Conference – Chemistry towards Biology, Primosten, Croatia, 8-11 September 2010.

**Prof. Anil K. Tyagi:** Delivered keynote address at the Indo-Canada symposium on 'Redox Status and Control in TB: From Basic Research to Drug Development', Hyderabad, 30 January - 1 February 2011.

Rama-Robbins Lecture delivered during the annual meeting of the Indo-US Vaccine Action Programme, New Delhi, 17 November 2010.

Attended International Conference on Science, Spirituality and Humanity Transcending Discipline Barriers on the occasion of Golden Jubilee Celebrations of Shivaji College, University of Delhi, 17-19 February 2011.

**Prof. P.C. Ghosh:** International conference on Biotechnology: A global Scenario, Department of Biotechnology, Kakatiya University, Warangal, 2-4 November 2010.

**Amit Kumar and Dr. Suman Kundu:** 'Regulation of ligand binding in classical plant hemoglobins: Structural aspects of heme pocket', Indo-US Workshop/ Symposium on Modern Trends in Macromolecular Structures, Indian Institute of Technology, Mumbai, 21-24 February 2011.

**Sheetal Uppal and Dr. Suman Kundu:** 'Contribution of Heme and His 117 in the Stability of Unique Cyanobacterium Hemoglobin', 7<sup>th</sup> Asian Biophysics Association Symposium and Annual Meeting of the Indian Biophysical Society, India Habitat Centre, New Delhi, 30 January – 2 February 2011.

**Amit Kumar, Varun Chhabra and S. Kundu:** 'Multiple strategies of ligand binding regulation in hemoglobins: Novel arrangement of Lupin leghemoglobin heme pocket', 7<sup>th</sup> Asian Biophysics Association Symposium and Annual Meeting of the Indian Biophysical Society, India Habitat Centre, New Delhi, 30 January – 2 February 2011.

**Pushpanjali Dasauni, Nripendra Singh, Amit Kumar and S. Kundu:** 'Mass-Spectrometric and Spectroscopic Characterization of Hemoglobin Disorders', 7<sup>th</sup> Asian Biophysics Association Symposium and Annual Meeting of the Indian Biophysical Society, India Habitat Centre, New Delhi, 30 January – 2 February 2011.

**Abhijeet Kapoor, Manish Shandilya and S. Kundu:** 'Structural Insight of Human Dopamine b-Hydroxylase, a Drug Target for Complex Traits, and Functional Significance of Exonic SNPs', 7<sup>th</sup> Asian Biophysics Association Symposium and Annual Meeting of the Indian Biophysical Society, India Habitat Centre, New Delhi, 30 January – 2 February 2011.

**Dr. Alo Nag:** International Conference on Frontiers in Carcinogenesis and Cancer Prevention: Scientific Advances and Public Health Initiatives, Dayanand Sagar Institution, Bengaluru, 16-18 February 2011.

**Dr. Suneel Kateriya:** International meeting: Fifth Asia Oceania Conference on Photobiology 2011, Nara, Japan.

**Prof. Anil K. Tyagi:** Delivered a lecture in National Symposium on 'Emerging Trends in Biotechnology', Indian Institute of Advanced Research, Gandhinagar, Ahmedabad, Gujarat, 27-28 April 2010.

**Prof. P.C. Ghosh:** National Conference on 'Emerging Trend in Biopharmaceuticals: Relevance to Human Health', Thapar University, Patiala, 11-13 November 2010.

**Prof. Debi P. Sarkar:** Attended National Conference on proteomics, 'IPCON 2011' at JNU, New Delhi.

Invited as speaker at All India Cell Biology Conference, Bose Institute, Kolkata, 4-6 December 2010.

**Dr. Suneel Kateriya:** Young Scientist Award, Indian Science Congress Meeting, Thriuvananthapuram, 2010.

Young Scientist Award, Indian Biophysical Society Meeting, Varanasi, 2010.

UCG sponsored symposium, Aurangabad, Maharashtra, 2010.

Biotechnology symposium 2010, DCRUST, Murthal, Haryana, India.

### **Publications**

**Dey, B., Jain, R., Khera, A., Gupta, U.D., Katoch, V.M., Ramanathan, V.D. and Tyagi, A.K. 2011.** Latency antigen  $\alpha$ -crystallin based vaccination imparts a robust protection against TB by modulating the dynamics of pulmonary cytokines. PLoS ONE 6(4): e18773. doi:10.1371/journal.pone.0018773.

**Khare, G., Gupta, V., Nangpal, P., Gupta, R.K., Sauter, N.K. and Tyagi, A.K. 2011.** Ferritin Structure from Mycobacterium tuberculosis: Comparative Study with Homologues identifies Extended C-terminus involved in Ferroxidase Activity. PLoS ONE 6(4): e18570. doi:10.1371/journal.pone.0018570.

**Purushothaman, S., Annamalai, K., Tyagi, A.K. and Surolia, A. 2011.** Diversity in Functional Organization of Class I and II Biotin Protein Ligase. PLoS ONE 6(3): e16850. doi:10.1371/journal.pone.0016850.

**Arora, A., Nagasuma, R. Chandra, Das, A., Balasubramanian, G., Shekhar C. Mande, Balaji, P., Ravishankar, R., Sankaranarayanan, R., Sekar, K., Suguna, K., Tyagi, A.K. and Vijayan, M. 2011.** 'Structural biology of Mycobacterium tuberculosis proteins: The Indian efforts', *Tuberculosis*, doi:10.1016/j.tube.2011.03.004.

**Tyagi, A.K., Nangpal, P. and Satchidanandam, V. 2011.** 'Development of vaccines against tuberculosis'. *Tuberculosis*. Doi:10.1016/j.tube.2011.01.003.

**Gutpa, A.K., Reddy, V.P., Lavania, M., Chauhan, D.S., Venkatesan, K., Sharma, V.D., Tyagi, A.K. and Katoch, V.M. 2010.** '*jefA* (Rv2459), a drug efflux gene in *Mycobacterium tuberculosis* confers resistance to isoniazid and ethambutol'. *Indian J. Med. Res.* 132: 176-188.



**Tyagi, N., Rathore, S.S. and Ghosh, P.C. 2011.** Enhanced killing of human epidermoid carcinoma (KB) cells by treatment with ricin encapsulated into sterically stabilized liposomes in combination with monensin. *Drug Delivery*. Doi:10.3109/10717544. 2011.567309.

**Sharma, N.R., Mani, P., Nandwani, N., Mishra, R., Rana, A. and Sarkar, D.P. 2010.** 'Reciprocal regulation of AKT and MAP Kinase dictates virus-host cell fusion'. *Journal of Virology*, 84, 4366-82.

**Oshtrakh, M.I., Berkovsky, A.L., Kumar, A., Kundu, S., Vinogradov, A.V., Konstantinova, T.S. and Semionkin, V.A. 2011.** 'Heme iron states in various oxyhemoglobins probed using Mossbauer spectroscopy with a high velocity resolution'. *Biometals*, 24: 501-512.

**Oshtrakh, M.I., Kumar, A., Kundu, S., Berkovsky, A.L. and Semionkin, V.A. 2011.** 'Study of human, rabbit and pig oxyhemoglobins using high velocity resolution Mössbauer spectroscopy in relation to their structural and functional variations'. *J. Mol. Struc.* 993: 292-296.

**Kumar, S.B., Venkateshwaran, K. and Kundu, S. 2010.** 'Alternative Conformational Model of a Seed Protein DeK1 for Better Understanding of Structure-Function Relationship'. *J. Prot. Proteomics*, 1: 77-90.

**Oshtrakh, M.I., Berkovsky, A.L., Kumar, A., Kundu, S., Vinogradov, A.V., Konstantinova, T.S. and Semionkin, V.A. 2010.** <sup>57</sup>Fe Quadrupole Splitting and Isomer Shift in Various Oxyhemoglobins: Study Using Mössbauer Spectroscopy'. *Hyp. Interact.* 197, 301-307.

**Lawit, S.J., Wych, H.M., Xu, D., Kundu, S. and Tomes, D. 2010.** 'Maize DELLA Proteins dwarf plant8 and dwarf plant9 as Modulators of Plant Development'. *Plant Cell Physiol.* 51, 1854-1868.

**Yadav, S.C., Jagannadham, M.V. and Kundu, S. 2010.** 'Equilibrium Unfolding of Kinetically Stable Serine Protease Milin: Presence of Various Active and Inactive Dimeric Intermediates'. *Eur Biophys. J.*, 39: 1385-1396.

**Sindhu Kandoth Veetil, Mittal, C., Ranjan, P. and Kateriya, S. 2011.** A conserved isoleucine in the LOV1 domain of a novel phototropin from the marine alga *Osterococcus tauri* modulates the dark state recovery of the domain. *BBA.* 1810, 675-682.

## BIOPHYSICS

### Major Activities

Dr. Subhendu Ghosh is working on Membrane Biophysics, in particular, ion channels and neurobiophysics. The experiments involve electrophysiological methods, e.g. single channel recording, patch-clamp. A special emphasis is given on learning, memory (cognition) and computational neuroscience.

## Research schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Crystal structure determination and functional analysis of gamma glutamyl transpeptidase (GGT) from <i>Bacillus licheniformis</i> ER-15.	Dr. Manisha Goel	CSIR
In-silico protein sequence analysis and function prediction.	Dr. Manish Kumar	DST
Role of voltage dependent anion channel in mitochondria mediated of Atomic apoptosis: Studies on interaction Energy with MAP kinase and bax.	Dr. Subhendu Ghosh	BRNS, Deptt.

## New Additions

Dr. Manish Kumar - Assistant Professor

## Appointments of Faculty members to higher posts/assignments

**Dr. Subhendu Ghosh:** Guest Scientist, Max Planck Institute for the Physics of Complex Systems, Dresden, Germany.

## Publications

**Harb, D., Kumar, M. and Harrison, P. 2011.** LPS-Annotate: Complete annotation of compositionally-biased regions in the protein knowledge base. *Database*. (doi: 10.1093/database/baq031). [PMID: 21216786]

**Kumar, M., Gromiha, M.M., and Raghava, G.P.S. 2011.** SVM based Prediction of RNA-binding Proteins using Binding Residues and Evolutionary Information. *J. Mol. Recog. Recog.* 24: 303-13. [PMID: 20677174]

**Chetan, K. Yadav, M., Verma, K. and Ghosh, S. 2010.** Statistical evidence for power law temporal correlations in exploratory behaviour of rats. *BioSystems* 102: 77-81

**Das, M.K., Naveen, K. Bhatraju, Yusawa, M. and Ghosh, S. 2010.** Wavelet Analysis of Dynamical Systems. *Rev. Bull. Cal. Math. Soc.* 18(2): 167-172.

## ELECTRONIC SCIENCE

### Ph.D. Degree awarded

Ph.D. - 6

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Quantum-Dot Dye Sensitized Solar Cells.	Prof. Avinashi Kapoor	DU
Mutation Detection for Medical Diagnostics using FRET between cationic polymer and labelled PNA probes.	Prof. P.K. Bhatnagar	DBT
Measurement of Optical Non-linearities in Wide Band gap II-VI Semiconductor Quantum Dots suitable for all Optical Switching Devices.	Prof. P.K. Bhatnagar	DST
Fabrication Characterization and enhancement of efficiency of Conducting polymer DNA based light Emitting Diodes.	Prof. P.K. Bhatnagar	DST
Development and Characterization of a Hybrid structure : Salmon DNA-Conducting polymer (P3HT)-Quantum dots (CdSe)-Carbon Nanotubes (SWNT) suitable for a Biosolar cells with high efficiency due to impact ionization and improved stability.	Prof. P.K. Bhatnagar	MNRE
Development and Characterization of high efficiency (7-8%) and stable operation (India Initiative) life > 2*10 <sup>4</sup> hours) Conducting polymer-quantum dots-Single walled Carbon Nano Tubes-hybrid fourth generation solar cells.	Prof. P.K. Bhatnagar	Indo-Singapore

Fabrication and Characterization of Ultraviolet (340-400 nm) Light Emitting Diodes Based on Heterojunctions of Electro-chemically grown n-ZnO Nanorods and p-type Organic Materials.	Prof. P.K. Bhatnagar	DST (Indo-Japan)
Development and Characterization of chemically functionalized Single and Multi-walled Carbon Nanotubes-Thermoplastic Composites.	Prof. P.K. Bhatnagar	DST (Indo-Portugal)
“Capacitive Modelling, Simulation, Characterization and Noise analysis of surrounded / cylindrical Gate MOSFET (SGT/CGT) for High Frequency Applications’.	Dr. Mridula Gupta	CSIR
Coupled Mode Analysis for Design and Simulation of Arrayed Waveguides and Coupled Waveguide Device.	Prof. Enakshi K. Sharma, Dr. Sangeeta Srivastava	UGC

### **Programmes taken up involving inter-institutional collaboration**

Quantum-Dot Sensitized Solar Cells based on Nanostructured Zinc Oxide.	Prof. Avinashi Kapoor	DST-JSPS
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### **Seminars/Conferences held**

*IEEE-EDS Distinguished Lecturer Talk* by Dr. M.K. Radhkrishnan, Chief Technical Consultant, NanoRel on Advancements in Device Analysis : Modes of Search for D-Zone, Department of electronic Science, University of Delhi, South Campus, New Delhi, 24 September 2010.

### **Seminars/Conferences attended**

**P.K. Bhatnagar:** Invited talk ‘Present status of Ecofriendly Organic Photovoltaic Devices’, ASET-17, Japan, 11-14 November 2010.

‘Fabrication & Characterization of high luminescence conducting polymer (MEH-PPV) based BIO-LED using Salmon DNA-CTMA complex as electron blocking layer’, SPIE Conference Nanobiosystem Sandiego, USA, 4-7 August 2010.

**Dr.Mridula Gupta:** ‘Evaluation of Multi-Layered Gate Design on GME-TRC MOSFET for Wireless Applications’, IEEE International Conference on Semiconductor Electronics (ICSE2010), Holiday Inn Melaka Hotel, Melaka, Malaysia, 28-30 June 2010.

Symbiosis International Conference on Open & Distance Learning, Symbiosis Bhavan, Pune, 21-23 February 2011.

**Dr. Enakshi Khular Sharma:** International Workshop on Optical Waveguide Theory and Numerical Modelling, “*Optical Waveguide Theory and Numerical Modelling, OWTNM-10*”, Cambridge, UK, 9-10 April 2010.

Photonics 2010, Guwahati, 11-15 December 2010.

### **Publications**

**Katyal, N., Natasha, Roy, A. and Kapoor, A. 2010.** ‘Influence of pump beam Polarization on signal beam in photorefractive crystal in TWM: transmission geometry’. *Optik*. 122: 207-210.

**Singh, U., Jha, N., Singh, T.P., Kapoor, A. and Perrone, A. 2010.** ‘Investigation of transmittance property of Palladium thin film fabricated by pulsed laser deposition with polarization using single layer model’. *Optics and Laser Technology*. 42: 1128-1133.

**Jha, N., Singh, U. and Kapoor, A. 2010.** ‘Designing & Development of Static System for controlling temperature using NNPID’. *Sajosps*. 11(1): 127-131.

**Sharma, V.K., Kumar, A. and Kapoor, A. 2011.** ‘High extinction ratio metal–insulator–semiconductor waveguide surface Plasmon polariton polarizer’. *Optics Communications*. 284: 1815-1821.

**Singh, N., Mehra, R.M. and Kapoor, A. 2011.** ‘Modelling of Dye Sensitized Solar Cells’. *Invertis Journal of Renewable Energy*. 1(1): 51-61.

**Jha, N., Singh, U., Saxena, T.K. and Kapoor, A. 2011.** ‘Online Adaptive Control for Non-Linear Processes under Influence of External Disturbance’. *International Journal of Artificial Intelligence and Expert System*. 2(2): 36-46.

**Singh, N., Mehra, R.M. and Kapoor, A. 2011.** ‘Synthesis and characterization of ZnO nanoparticles’. *J. Nano-Electron. Phys*. 3(1): 132-139.

**Singh, N., Mehra, R.M. and Kapoor, A. 2011.** Synthesis and characterization of ZnO nanoparticles. International Symposium on Semiconductor Material & Devices (ISSMD), Vadodara.

**Singh, N., Mehra, R.M. and Kapoor, A. 2011.** Synthesis of ZnO nanoparticles via microemulsion route. Advancements & Futuristic Trends in Material Sciences (AFTMS), Bareilly.

**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 (331–333).

**Madhwal, D., Rait, S.S., Verma, A., Kumar, A., Bhatnagar, P.K., Mathur, P.C. and Onoda, M. 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. 2010.** 'Development and characterization of an efficient bio-white polymer light-emitting diode with red and green phosphorescent dyes as dopants', *Journal Material Science*, 45: 3300-3303.

**Singh, I., Madhwal, D., Verma, A., Kumar, A., Rait, S.S, Kaur, I., Bharadwaj, L.M., Bhatia, C.S., Bhatnagar, P.K. and Mathur, P.C. 2010.** 'Enhanced luminance of MEH-PPV based PLEDs using single walled carbon nanotube composite as an electron-transporting layer' *Journal of Luminescence*, Vol. 130, No. 11, 2157-2160.

**Madhwal, D., Singh, I., Kumar, J., Bhatia, C.S., Bhatnagar, P.K. and Mathur, P.C. 2011.** 'Increasing the luminous efficiency of a MEH-PPV based PLED using salmon DNA and single walled carbon nanotube', *Journal of Luminescence*, Vol. 131, pp. 1264-1266.

**Singh, I., Madhwal, D., Kumar, J., Bhatia, C.S., Bhatnagar, P.K. and Mathur, P.C. 2011.** 'Effect of thermal annealing on the efficiency of P3HT:PCBM bulk heterojunction solar cells', *Journal of Nanophotonics*, 5, 053504.

**Madan, S., Kumar, J., Singh, I., Madhwal, D., Bhatnagar, P.K. and Mathur, P.C. 2010.** 'The effect of cadmium vacancies on the optical properties of chemically prepared CdS quantum dots.' *Physica Scripta*, Vol. 82, pp. 045702(1-4).

**Madan, S., Kumar, J., Madhwal, D., Singh, I., Bhatnagar, P.K. and Mathur, P.C. 2011.** 'Color Tuning and Improved Performance of poly[2-methoxy-5-(2'-ethyl-hexyloxy)-1,4-phenylenevinylene] based Polymer Light Emitting Diode using Cadmium Selenide/Zinc Sulphide Core Shell Uncapped Quantum Dots as Dopants' Accepted for publication, *Journal of Nanophotonics*.

**Gupta, R.B., Kumar, J., Madhwal, D., Singh, I., Kaur, I., Bhardwaj, L.M., Nagpal, S., Bhatnagar, P.K. and Mathur, P.C. 2011.** Improvement in the luminous efficiency of MEH-PPV based light emitting diodes using zinc oxide nanorods grown by the electrochemical deposition technique on ITO substrates. *Physica Scripta*, 84 015705.

**Madhwal, D., Mathur, P.C. and Bhatnagar, P.K. 2010.** 'Fabrication and characterization of high luminescence conducting polymer (MEH-PPV) based bioLED using a salmon DNA-CTMA complex as electron blocking layer' SPIE Paper Number: 7765-34 (Invited paper) in *Symposium: SPIE NanoScience + Engineering Nanobiosystems*: San Diego, CA, United States.

**Shikha, M., Kumar, J., Madhwal, D., Singh, I., Bhatnagar, P.K. and Mathur, P.C.** Synthesis and Characterization of II-VI Compound Semiconductor Quantum Dots For Enhancing The Electroluminescence of Polymer Based Light Emitting Diodes 2011, *ICMAT*. (Accepted)

**Gupta, R., Madhwal, D., Singh, I., Kumar, J., Nagpal, S., Bhatnagar, P.K. and Mathur, P.C.** 'Growth of Zinc Oxide Nanorods by Electrochemical Deposition for Application in Deep Ultra Violet Light Emitting Diodes 2011, *ICMAT*. (Accepted)

**Shikha, M., Kumar, J., Singh, I., Madhwal, D., Bhardwaj, L.M., Bhatnagar, P.K. and Mathur, P.C.** 'Growth and Characterization of CdS Quantum Dots Embedded in Polymer Matrix' 2010, p. 66-ICNST, Chandigarh.

*Papers in Reviewed (Referred) Journal*

**Gupta, R., Rathi, S., Gupta, M. and Gupta, R.S. 2010.** Microwave performance enhancement in Double and Single Gate HEMT with channel thickness variation. Superlattice and Microstructures. 47: 6: 779-794.

**Rathi, S., Jogi, J., Gupta, R.S. and Gupta, M. 2010.** 'An analytical charge-based drain current model for nanoscale In<sub>0.52</sub>Al<sub>0.48</sub>As-In<sub>0.53</sub>Ga<sub>0.47</sub> As separated double-gate HEMT'. *Semiconductor Science and Technology*. 25: 11:115003(9).

**Malik, P., Chaujar, R., Gupta, M. and Gupta, R.S. 2010.** 'Physics Based Threshold voltage analysis of Gate Material Engineered Trapezoidal Recessed Channel (GME TRC) Nanoscale MOSFET and its Multilayered gate architecture'. *International Journal of Microwave and Optical Technology*. 5:6: 361-368.

**Kumar, S.P., Agrawal, A., Chaujar, R., Gupta, M. and Gupta, R.S. 2011.** 'Device linearity and intermodulation distortion comparison of Dual Material Gate and conventional AlGa<sub>N</sub>/Ga<sub>N</sub> High Electron Mobility Transistor'. *Microelectronics Reliability*. 51:3: 587-596.

*Papers in International Conferences*

**Ghosh, P., Chaujar, R., Haldar, S., Gupta, R.S. and Gupta, M. 2010.** International conference on microelectronics and electron devices (ICMED-2010) 'Analytical modelling of channel noise for gate material engineered surrounded/cylindrical gate (SGT/CGT) MOSFET', (Rome) Italy, 28 – 30 April.

**Malik, P., Chaujar, R., Gupta, M. and Gupta, R.S. 2010.** International conference on microelectronics and electron devices (ICMED-2010) 'Two-dimensional analytical drain current model for Multilayered-Gate Material Engineered Trapezoidal Recessed Channel (MLGME-TRC) MOSFET: a novel design', (Rome) Italy, 28 – 30 April.

**Malik, P., Chaujar, R., Gupta, M. and Gupta, R.S. 2010.** Nanotech conference and Expo 2010 "Microwave and RF Applications of Gate Material Engineered Trapezoidal Recessed Channel (GME-TRC) MOSFET", (Anaheim) CA, USA, 21-24 June.

**Malik, P., Chaujar, R., Gupta, M. and Gupta, R.S. 2010.** Nanotech conference and Expo 2010. "Linearity Performance Assessment of Nanoscale Gate Material Engineered Trapezoidal Recessed Channel (GME-TRC) MOSFET for RFIC design and Wireless application", (Anaheim) CA, USA, 21-24 June.

**Malik, P., Chaujar, R., Gupta, M. and Gupta, R.S. 2010.** IEEE International Conference on Semiconductor Electronics (ICSE2010) "Evaluation of Multi-Layered Gate Design on GME-TRC MOSFET for Wireless Applications", (Melaka), Hotel Holiday Inn, Malaysia, 28-30 June.



**Ghosh, P., Chaujar, R., Haldar, S., Gupta, R.S. and Gupta, M. 2010.** International Conference on “Nano Technology - Materials and Composites for Frontier Applications (NANOCON-2010) “*Analytical channel carrier noise temperature model for gate material engineered SGT/CGT MOSFET*”, Le Meridian, (Pune) India, 14-15 October.

**Bhattacharya, M., Jogi, J., Gupta, M. and Gupta, R.S. 2010. IEEE (TENCON-2010)** “*Impact of Doping concentration and Donor-layer thickness on the de-characterization of symmetric double-gate and single-gate InAlAs/InGaAs/InP HEMT for nanometer gate dimension—A comparison*”, Fukuoka International Congress Center, Fukuoka, Japan, 21-24 November.

**Gautam, R., Saxena, M., Gupta, R.S. and Gupta, M. 2010.** 10<sup>th</sup> International Conference on Fibre Optics and Photonics (PHOTONICS-2010) “*A Unified Two Dimensional Analytical Model Of Optically Controlled Silicon On Insulator MESFET (Opsoi) For Advanced Channel Materials*”, (Guwahati) Indian Institute of Technology, Guwahati, Assam, 11-15 December.

**Ghosh, P., Haldar, S., Gupta, R.S. and Gupta, M. 2010.** International Conference on Microwaves, Antenna, Propagation & Remote Sensing. (ICMARS-2010) “*The analytical drain current model for Dual Metal Gate Cylindrical Gate MOSFET*”, Jodhpur, Rajasthan, 14-17 December.

**Bhattacharya, M., Jogi, J., Gupta, R.S. and Gupta, M. 2010.** International Conference on Microwaves, Antenna, Propagation & Remote Sensing (ICMARS-2010) “*An analytical study of enhanced microwave performance of symmetric duple-gate InAlAs/InGaAs/InP HEMT over single-gate InAlAs/InGaAs/InP HEMT for nanometer gate dimension*”, Jodhpur, Rajasthan, 14-17 December.

**Kumari, V., Saxena, M., Gupta, R.S. and Gupta, M. 2011.** IEEE Student’s Technology Symposium “*Simulation Study of Gate Stacked Insulated Shallow Extension Silicon On Nothing ISE-SON MOSFET for RFICs design*”, Indian Institute of Technology, Kharagpur, 14-16 January.

**Narang, R., Saxena, M., Gupta, R.S. and Gupta, M. 2011.** IEEE Students’ Technology Symposium. “*Modeling and Simulation of Multi layer gate dielectric Double Gate Tunnel Field Effect Transistor (DGTFFET)*”, Indian Institute of Technology, Kharagpur, 14-16 January.

Gautam, R., Saxena, M., Gupta, R.S. and Gupta, M. **2011.** IEEE Students’ Technology Symposium. “*Analysis and Simulation of Si/GaAs/GaN MESFET to study the Impact of Localised Charges on Device Performance*”, Indian Institute of Technology, Kharagpur, 14-16 January.

**Bhattacharya, M., Jogi, J., Gupta, M. and Gupta, R.S. 2011.** International Conference on Signal, Systems and Automation (ICSSA-2011) “*Analytical Modelling of Intrinsic Y-parameters to study the enhanced microwave performance of symmetric tied-gate InAlAs/InGaAs/InP DG-HEM*”, G.H Patel College of Engineering, Anand, Gujarat, 24-25 January.

**Ghosh, P., Haldar, S., Gupta, R.S. and Gupta, M. 2011.** International Conference on Microelectronics and Electron Devices (ICMED-2011) “*RF performance of Gate Material Engineered Surrounded/Cylindrical MOSFETs for High-speed applications*”, Penang, Malaysia, 22-24 February.

**Gautam, R., Saxena, M., Gupta, R.S. and Gupta, M. 2011.** International Conference on Latest Trends in Nanoscience and Nanotechnology (ICNSNT-2011) ‘Estimation of performance degradation of the nanoscale Cylindrical Surrounded gate MOSFET due to hot carrier induced localised charges’, Khwaja Banda Nawaz College of Engineering, Gulbarga, Karnataka, 28-29 March.

**Narang, R., Saxena, M., Gupta, R.S. and Gupta, M. 2011.** International Conference on Latest Trends in Nanoscience and Nanotechnology (ICNSNT-2011) “*Impact of a Low Bandgap Material on the Linearity of a DG-TFET: A Comparative Study*”, Khwaja Banda Nawaz College of Engineering, Gulbarga, Karnataka, 28-29 March.

**Kumari, V., Saxena, M., Gupta, R.S. and Gupta, M. 2011.** International Conference on Latest Trends in Nanoscience and Nanotechnology (ICNSNT-2011) “*Nanoscale Double Gate Silicon On Nothing (DGSON) MOSFET: Promising Device Design for Wide Range of Operating Temperatures*”, Khwaja Banda Nawaz College of Engineering, Gulbarga, Karnataka, 28-29 March.

*Papers in Reviewed (Referred) Journal*

**Patra, K.C., Srivastava, S. and Sharma, E.K. 2010.** ‘Power exchange in strongly coupled diffused channel waveguide arrays: an analytical approach’, *J. Optics (UK)*, 12, 1-8.

**Kapoor, A. and Sharma, E.K. 2010.** ‘Saturation characteristics of InGaAsP-InP bulk SOA, Wolfgang Freude and Juerg Leuthold’, *Proc. of SPIE (USA)*, 7597.

**Bist, N.S., Yadav, B.K., Kandpal, H.C. and Sharma, E.K. 2010.** Numerical calculation based study of spectral anomalies and their applications in modified Mach-Zehnder interferometer, *Optik (Germany)*, 121, 581-587.

**Bist, N.S., Sharma, E.K. and Kandpal, H.C. 2010.** ‘The influence of source and object characteristics on coincidence imaging’, *J. Opt. (UK)*, 12, 045701 (6pp).

**2010.** ‘Experimental observation of lensless ghost imaging by measuring reflected photons’, *Optics and Lasers in Engineering (UK)*, 48, 671-675.

**Sharma, E.K. and Patra, K.C.** “Long Period Gratings in Tapered Fibers and Equivalent Chirped Gratings”, International Workshop on Optical Waveguide Theory and Numerical Modelling, “*Optical Waveguide Theory and Numerical Modelling, OWTNM-10*”, Cambridge, UK, 9-10 April 2010.

**Sharma, E.K., Patra, K.C., Kapoor, A. and Singh, R.** “Long period gratings in optical fibers: simulation of transmission characteristics and applications”, *Photonics 2010*, Guwahati, 11-15 December 2010.

**Anand, J., Anand, J.K. and Sharma, E.K.** “Study of The Amplification Characteristics of a Coaxial EDF with Varying Coupling Conditions”, “*PHOTON 10*”, Southampton, UK, 22-26 August 2010.

## 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.

**Prof. Thelms's** lab.—an interdisciplinary approach is being undertaken to achieve the objectives. Identification of novel gene(s) for mental retardation and Parkinson's disease using exome and next generation sequencing tools are other ongoing projects. The research interests of Dr. Burma's group are to analyze ways and means of enhancing and stabilizing expression of transgenes in plants by modulation of post-transcriptional events. The group has developed strategies for high expression of transgene in plants by using synthetic 5'UTRs and also from plants as well as by Intron-mediated enhancement of gene expression. Anther-specific promoters from cotton have been identified and are currently being characterized. This knowledge will be used to develop a 'barnase-barstar' based technology for hybrid seed production in cotton. The group has recently demonstrated that the expression of Bt endotoxin Cry1Ac has detrimental effect on the in vitro regeneration as well as in vivo growth and development of tobacco and cotton transgenics. Experiments are being carried out to understand the reasons behind this observation.

**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* phyto-pathosystem, at molecular genetic level. Dr. Aruna Devi's lab 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. - 6

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Genetic Engineering of Tomato for Fungal Resistance Through RNAi – mediated Suppression of Fungal Ornithine Decarboxylase Gene.	Dr. 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.	Dr. 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.	Dr. 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.	Dr. M.V. Rajam	DBT
Development of Efficient Plant Regeneration and <i>Agrobacterium</i> -Mediated Genetic Transformation Protocols for <i>Citrus</i> sp. And Production of Citrus Transgenics for Virus Resistance.	Dr. M.V. Rajam	DBT

Development of insect resistant cauliflower and okra using RNAi strategies.	Dr. M.V. Rajam	DU/DST – Purse Grant with Bejo Sheetal Seeds Pvt. Ltd., Jalna
Development of transgenic brinjal resistant to fruit borer ( <i>Leucinodes orbonalis</i> Guenee) Through RNA interference.	Dr. M.V. Rajam	DBT and Sri Biotech Laboratory India Ltd., Hyderabad
Control of shoot and fruit borer insect pest ( <i>Leucinodes orbonalis</i> Guenee) in Brinjal through RNA interference.	Dr. M.V. Rajam	DBT and Sri Biotech Laboratory India Ltd., Hyderabad
“Whole Genome Association Analyses in Complex Diseases: An Indian Initiative”.	Dr. B.K. Thelma	DBT
Functional characterization of SNPs/ SNP haplotypes in candidate genes.	Dr. B.K. Thelma	DBT
“Identification Novel Gene(s) for Familial Parkinson’s Disease”.	Dr. B.K. Thelma	DBT
“Pharmacogenetics of anti-epileptic drugs role of ABCB1, CYP2C9, CYP2C19 and SCN2A in optimizing therapy”.	Dr. 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.	Dr. B.K. Thelma	DBT
Development of a Benignant Microbial Consortium for Growth Promotion of some Important Crops.	Dr. S. Srivastava	DBT
PGPR-mediated Zinc biofertilization of soil and its impact on some crop plants.	Dr. S. Srivastava	DBT
Studies on the role of Forkhead Transcription Factor (FOXO) in aging and neurogenesis in <i>Drosophila</i> .	Dr. S. Sarkar	DBT

Characterizing Novel Globins Across Species and Deciphering their Stress Response and Interacting Partners: An Integrated, Holistic Approach for Function Elucidation.	Dr. S. Sarkar	DU/DST Purse
Comparative analysis of expression of cry1Ac gene in different cotton transgenic events commercialized in India.	Dr. P.K. Burma	DU/DST Purse
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 Prof. A. K. Pradhan	NDDB Phase III
Novel approaches for production of hybrid seeds with characteristics of improved insect resistance and higher yield- Cotton component.	Dr. P. K. Burma Prof. Deepak Pental	CSIR
Centre of Excellence on Genome Mapping and Molecular Breeding of Brassicas.	Prof. A. K. Pradhan Prof. Deepak Pental	DBT (COE)
Identification and manipulation of genetics factors involved in seed yield and oil content in rapeseed and mustard.	Prof. A. K. Pradhan Prof. Deepak Pental	DBT (INDO/ CANADIAN)
To conduct confined field trials and biosafety studies on genetically engineered Brassica juncea (Male sterility and restorer lines as pollination control mechanism) for heterosis breeding and yield improvement.	Prof. A. K. Pradhan Prof. Deepak Pental	DBT (BIPP)
Molecular mapping of QTL and candidate genes governing phytosterol content in winter oilseed rape (Brassica Napus) and Indian mustard (Brassica Juncea).	Prof. Deepak Pental	DST (INDO- GERMAN)

J.C. Bose National Fellowship. Characterizing novel globins across species and deciphering their stress response and interacting partners: An integrated holistic approach for function elucidation.	Prof. Deepak Pental Jagreet Kaur	DST DU/DST
Dissecting the molecular mechanisms underlying the early stages of resistance in a plant-necrotroph interaction using a reporter expression system.	Dr. Jagreet Kaur	DBT
<b>Programmes taken up involving inter-institutional collaboration</b>		
Targeting the insect pests of Okra and Cauliflower by RNA interference.	Dr. M.V. Rajam	DU-DST Purse and Bejo Sheetal Seeds Grants
Control of insect pests of tomato and cotton by plant-mediated RNAi.	Dr. M.V. Rajam	DBT
Control of fungal pathogens by plant-mediated RNAi.	Dr. M.V. Rajam	DBT
Control of shoot and fruit borer of brinjal by silencing of important genes of the target insect pest ( <i>Leucinodes orbonalis</i> ) by RNAi.	Dr. M.V. Rajam	DBT (BIPP)and Sri Biotech Lab India Ltd.
Development of sweet orange transgenic plants for CTV resistance.	Dr. M.V. Rajam	DBT
Development of delayed ripening tomato transgenic plants.	Dr. M.V. Rajam	DBT
Centre For Excellence In Genome Sciences And Predictive Medicine (GESPREM)	Dr. B.K. Thelma	International Celiac disease consortium to understand Celiac disease genetics and Biology.
Development of a Benignant Microbial Consortium for Growth Promotion of some Important Crops with IARI.	Dr. S. Srivastava	IARI
PGPR-mediated Zinc biofertilization of soil and its impact on some crop plants.	Dr. S. Srivastava	with Jamia Hamdard



Novel approaches for production of hybrid seeds with characteristics of improved resistance and higher yield – cotton component. Dr. P.K. Burma

CSIR NIMITLI  
project

### **Honours/Distinctions**

**Prof. Deepak Pental:** FICCI Award (2010) for Innovative R & D in Life Sciences.

Awarded J. C. Bose National Fellowship of DST.

**Prof. M.V. Rajam:** Editorial Board member of the Indian Journal of Biotechnology.

**Dr. Tapasya Srivastava:** Received a medal and a citation at the Indian National Science Academy for the Young Scientist award in Medical Sciences for the year 2010.

**Dr. Tapasya Srivastava:** Awarded a IUSSTF fellowship by the Indo-US Science and Technology Forum for conducting research in the Masonic Cancer Center, University of Minnesota.

### **Seminars/Conferences held**

**Prof. M.V. Rajam:** Seminar on 'Biology and Applications of RNA interference', 26 Oct. 2010.

**Prof. S. Srivastava:** UGC-SAP Seminar 'Contemporary Model Systems in Genetic Research'.

### **Seminars/Conferences attended**

**Ruchi Gupta and Sheela Srivastava:** Plantaricin LR14, an antimicrobial peptide isolated from *Lactobacillus plantarum* LR14 possessing inhibitory action against a wide range of organisms. 3rd International Congress of Environmental Research (ICER-10), University of Mauritius, Reduit, Mauritius, 16-18 September 2010.

**Bhupinder Dhir and Sheela Srivastava:** Remediation of wastewaters using *Salvinia natans*. 3rd International Congress of Environmental Research (ICER-10), University of Mauritius, Reduit, Mauritius, 16-18 September 2010.

**Dr. Tapasya Srivastava:** Participated in the 'Mechanism and Models of Cancer' meeting at the Cold Spring Harbor Laboratory in August 2010.

**Prof. M.V. Rajam:** International Conference on 'Biotechnology: A Global Scenario', Kakatiya University, Warangal, 2-4 November 2010.

**Nitika Ghosh and Sheela Srivastava:** Antioxidative effect and biogenic amine production by potentially probiotic environmental strain, *Lactobacillus plantarum* LR/14. The International Scientific Conference on Probiotics and Prebiotics IPC2010, University of Kosice, Slovakia, 15-17 June 2010.

**Anuradha Sharma and Sheela Srivastava:** Study of Bacteriocin Diversity Produced by Environmental Isolates of Lactic Acid Bacteria. The International Scientific Conference on Probiotics and Prebiotics IPC2010, University of Kosice, Slovakia, 15-17 June 2010.

**Dr. Kaustuv Datta:** International Conference on Mitochondria Research and Medicine, 12-13 November 2010.

**Dr. Kaustuv Datta and Dr. Aruna N. Devi:** The 3rd Young Investigator Meeting 2011, 12-17 February 2010.

**Prof. M.V. Rajam:** National Seminar on 'Recent Trends in Microbial Technology', Kakatiya University, Warangal, 26-27 March 2011.

Indian Society of Mycology and Plant Pathology South Zone Conference on 'Fungal Diversity and Emerging Crop Diseases', University of Mysore, 12-13 May 2011.

XXXII Annual Meeting of the Plant Tissue Culture Association (India) and National Symposium on 'Recent Advances in Plant Tissue Culture and Biotechnological Researches in India'. M. N. Institute of Applied Sciences, Bikaner, 4-6 February 2011.

National Symposium on 'Frontiers and Avenues in Plant Sciences', Shivaji College (University of Delhi), New Delhi, 20-21 January 2011.

National Symposium on 'Molecular Approaches for Management of Fungal Diseases of Crop Plants', Indian Institute of Horticultural Research, Bengaluru, 27-30 December 2010.

4th Annual Convention of Association of Biotechnology and Pharmacy and National Conference on 'Emerging Trends in Biopharmaceuticals: Relevance to Human Health', Thapar University, Patiala, 11-13 November 2010.

Training Programme on 'Viral Genomics and Transgenic Development', Indian Agricultural Research Institute, New Delhi, 22 September 2010.

First SBIRI Science Meeting on 'RNAi Products in Agriculture', ICGEB, New Delhi, 12 July 2010.

**Bhupinder Dhir and Sheela Srivastava:** Utilization of *Salvinia* biomass for removing heavy metals from wastewaters. 4<sup>th</sup> Indo-Italian Seminar on 'Green Chemistry and Natural Products', Department of Chemistry, University of Delhi, 17 November 2010.

**Sheela Srivastava:** Multiple plant growth promoting traits of *Pseudomonas fluorescens* strain Psd 'Recent advances in plant tissue culture and biotechnological researches in India' M.N. Institute of Applied Sciences, Bikaner, 4-6 February 2011.

Metagenomics: Endless opportunities for gene mining. UGC SAP symposium, Deptt. of Bioscience, Sri Sathya Sai Institute Prashanthi, Nilayam, A.P., 22-23 February 2011.

**Upadhyay, A., Kochar, M., Sinha, V. and Srivastava, S.** Genetic evaluation of antibiotic production in *Pseudomonas fluorescens* strain Psd. 2nd ISCB Symposium, New Delhi, 10 March 2011.

**Jagannath, A., Bandyopadhyay, P., Bisht, N.C., Ray, K., Arumugam, N., Gupta, V., Pradhan, A.K., Pental, D. and Burma, P.K. 2010.** Development of hybrid seeds in *Brassica juncea* (Indian oilseed mustard) using transgenic approach – our experiences. Paper presented at the National symposium on Genomics and Crop Improvement: Relevance and Reservations, Acharya N.G. Ranga Agricultural University, Hyderabad, 25-27 February 2010. (Invited Speaker)

## **Publications**

### *Book*

**Rajam, M.V.** Convenor, Editor and one of the Authors for revising the CBSE Class XII Biotechnology Text Book and Lab Manual.

### *Research Articles in Books or Scholarly Journals*

**Hazarika, P. and Rajam, M.V. 2011.** 'Biotic and abiotic stress tolerance in transgenic tomatoes by constitutive expression of S-adenosylmethionine decarboxylase gene'. *Physiol. Mol. Biol. Plants*, DOI 10.1007/s12298-011-0053-y.

**Singh, S. and Rajam, M. V. 2010.** 'Highly efficient and rapid plant regeneration in *Citrus sinensis*'. *J. Plant Biochem. Biotechnol.* 19: 195-202.

**Terenius, O., Papanicolaou, A., Garbutt, J.S., Eleftherianos, I. and Rajam, M.V. et al. 2011.** 'RNA interference in Lepidoptera: An overview of successful and unsuccessful studies and implications for experimental design'. *J. Insect Physiol.* 57: 231-245.

**Thomas, P., Chandra, A., Bhatia, T., Mishra, N.N., Sharma, V.R., Gauba, D., Wood, J., Chowdari, K., Semwal, P., Thelma, B.K., Nimgaonkar, V.L. and Deshpande, S.N. 2011.** Clinical and genetic correlates of severity in schizophrenia in India: An ordinal logistic regression approach. *Psychiatry Res.* (Accepted).

**Juyal, G., Prasad, P., Senapati, S., Midha, V., Sood, A., Amre, D., Juyal, R.C., Thelma, B.K. 2010.** An investigation of genome-wide studies reported susceptibility loci for ulcerative colitis shows limited replication in north Indians. *PLoS One.* 6: 16565.

**Punia, S., Das, M., Behari, M., Mishra, B.K., Asish K. Sahani, A.K., Govindappa, Shyla, T., Jayaram, S., Muthane, U.B., Thelma, B.K. and Juyal, R.C. 2010.** Role of polymorphisms in dopamine synthesis and metabolism genes and association of DBH haplotypes with Parkinson's disease among north Indians. *Pharmacogen. Genomics*, 20: 435-441.

**Prasad, P., Tiwari, A.K., Kumar, K.M., Ammini, A.C., Gupta, A., Gupta, R., 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. Genet.* 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. Neuropsychobiol.* 61: 64-70.
- Kumar, M., Tiwari, S.K. and Srivastava, S. 2010.** 'Purification and Characterization of Enterocin LR/6, a Bacteriocin from *Enterococcus faecium* LR/6'. *Appl. Biochem. Biotechnol.* 160: 40-49.
- Kumar, M. and Srivastava, S. 2010.** 'Antilisterial Activity of a Broad Spectrum Bacteriocin Enteriocin LR/6 from *Enterococcus faecium* LR/6'. *Appl. Biochem. Biotechnol.* 162: 698-706.
- Upadhyay, A. and Srivastava, S. 2010.** 'Evaluation of multiple plant growth promoting traits of an isolate of *Pseudomonas fluorescens* strain Psd Indian'. *J. Exp. Biol.* 48: 601-609.
- 2010.** Phenazine-1-carboxylic acid is a more important contributor to biocontrol *Fusarium oxysporum* than pyrrolnitrin in *Pseudomonas fluorescens* strain Psd. *Microbiol. Res.* doi:10.1016/J.micres.2010.06.001.
- Kumar, M. and Srivastava, S. 2010.** 'Enhanced Production of Enterocin from *Enterococcus faecium* LR/6 by statistical optimization of the growth medium'. *Trakia J.* 8: 12-21.
- 2011.** 'Effect of calcium and magnesium on the antimicrobial action of enterocin LR/6 produced by *Enterococcus faecium* LR/6'. *Int. J. Antimicrobial Agents.* doi: 10.1016/j.ijantimicag.2011.01.014.
- Srivastava, T. 2010.** 'Molecular targets for therapy in malignant gliomas'. *J. Proteins Proteomics*, 1: 65-69.
- Srivastava, T., Jha, P., Agarwal, S., Pathak, P., Srivastava, A., Suri, V., Sharma, M.C., Chosdol, K., Srivastava, T., Gupta, D., Gupta, A., Suri, A. and Sarkar, C. 2010.** 'Heterozygosity status of 1p and 19q and its correlation with p53 protein expression and EGFR amplification in patients with astrocytic tumors: novel series from India'. *Cancer Genet. Cytogenet.* 198: 126-34.
- Pal, A., Srivastava, T., Sharma, M.K., Mehndiratta, M., Das, P., Sinha, S., Chattopadhyay, P. 2010.** 'Aberrant methylation and transcriptional mobilization of Alu elements contributes to genomic instability in hypoxia'. *J. Cell. Mol. Med.*, 14: 2646-54.
- Pradhan, A.K. and Pental, D. 2011.** Genetics of *Brassica juncea*. In **Schmidt, R. and Bancroft, I. (eds)**, *Genetics and Genomics of the Brassicaceae*. pp. 323-345, Springer International.
- Jagannath, A., Sodhi, Y.S., Gupta, V., Mukhopadhyay, A., Arumugam, N., Singh, I., Rohtagi, S., Burma, P., Pradhan, A.K. and Pental, D. 2011.** Eliminating expression of erucic acid-encoding loci allows the identification of 'hidden' QTL contributing to oil quality fractions and oil content in *Brassica juncea* (Indian mustard). *Theor. Appl. Genet.* 122: 1091-1103.

**Panjabi, P.M., Yadav, 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: 137-145.

**Rawat, P., Singh, A.K., Ray, K., Chaudhary, B., Kumar, S., Gautam, T., Kanoria, S., Kaur, G., Kumar, P., Pental, D. and Burma, P.K. 2011.** 'Detrimental effect of expression of Bt endotoxin Cry1Ac on in vitro regeneration, in vivo growth and development of tobacco and cotton transgenics'. *J. Biosci.* 36: 363-376.

**Bhullar, S., Datta, S. and Burma, P.K. 2011.** Delayed trans-inactivation of synthetic domain 35S promoters by "tobacco 271 locus" due to reduced sequence homology. *Plant Mol. Biol. Rep.* 29: 1-11.

## PLANT MOLECULAR BIOLOGY

### Major Activities

Crop plants, such as rice, wheat and tomato, as well as the model plant *Arabidopsis thaliana* have been used extensively in the Department as research material to investigate the processes of plant development and stress response. The Department is also actively engaged in translating the findings to generate crop plants with improved qualities. Research on rice has revealed the crucial role played by proteins such as transcription factors and F-Box proteins in stress response. Similarly, Heat shock proteins of rice, which are important in the process of disaggregation of denatured proteins, have been shown to impart thermo-tolerance to the simple yeast cells, hence revealing their potential use in crop thermo-tolerance. Similar proteins have been studied also in wheat. In the sericulture-associated tree species mulberry, stress tolerance has been engineered. The role of calcium and its interacting proteins, such as CDPK, CBL-CIPK, etc. in signalling pathways required for the plants to sense changes in the environment have been investigated. In tomato, a new approach, using RNA-interference has been used to obtain delayed fruit ripening to enhance shelf life of the fruit. Several new promoters, having organ-specific expression patterns have been isolated from tomato. In rice, the genes involved in the crucial processes of flower development and seed maturation have been identified. Modified plant viruses have been developed as gene silencing vectors and new approaches to impart virus resistance in crops have been designed. Research has revealed a large number of stress-related new small RNA molecules in wheat. A powerful platform (Illumina 1 G Genome Analyzer Sequencing Platform) to study small RNAs funded by the Department of Biotechnology, Government of India has been created.

#### *Genes regulating plant development:*

In flowering plants, the anther is the site of male gametophyte development. A microarray-based transcriptome profiling of four stages of anther development in rice viz., pre-meiotic

(PMA), meiotic (MA), anthers at single-celled (SCP) and trinucleate pollen (TPA) has been carried out, revealing 22,000 genes expressing in at least one of the anther developmental stages. Of these, 1,000 genes were found to express specifically in anthers, 78 of which expressed in meiotic anther specific manner, while 453 genes were found to be specific to the anther with trinucleate pollen, corresponding to the mature male gametophyte. Gene ontology and pathway analysis of stage-specific genes revealed that those encoding transcription factors and components of protein folding, sorting and degradation pathway genes dominated in meiotic anthers, whereas in trinucleate pollen containing anthers (TPA), those coding for cell structure and signal transduction components were in abundance.

A comprehensive analysis of the transcription factors (TF) that may play essential role(s) in rice seed development has been carried out. The process of seed development in rice comprises of three distinct phases, (1) cell division, (2) organ initiation/differentiation and (3) maturation. Monocots and dicots utilize overlapping, as well as distinct, TF networks during the process of seed development. The known TFs in rice and Arabidopsis have been chronologically categorized into the three stages. The main regulators of seed development contain B3 or HAP3 domains. These interact with bZIP and AP2 TFs. Other TFs that play an indispensable role during the process contain homeobox-, NAC-, MYB-, or ARF-domains. An understanding of this interplay will not only help unravel an integrated developmental process, but will also pave the way for biotechnological applications.

### **Stress Molecular Biology:**

#### *Heat shock response*

In rice, Heat shock proteins, such as ClpB-cyt/HSP100 protein acts as chaperones, mediating disaggregation of denatured proteins during stress response in plants. Previous studies have shown that ClpB-cyt/HSP100 gene belongs to the group class I Clp ATPase proteins. Nine putative genes (ORFs) were noted to constitute rice class I Clp ATPases, of which, only 3, belonging to ClpB group are heat stress regulated. Distribution of ClpB proteins to different cell organelles was studied, which indicated that their functioning might be critical in different cell locations. From the yeast complementation assays, the protein OsClpD1 appears to be more effective than OsClpB-cyt protein in rescuing the thermo-sensitive defect of the yeast *FY3Δhsp100* mutant cells.

Wheat, because it is a temperate crop, 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. Previous work in the lab laid emphasis on the detailed transcriptome analysis through Suppression Subtractive Hybridization (SSH) of heat stressed and non-stressed wheat stages at the seedling and grain-filling stages. Through SSH a total of 5500 clones were identified to be differentially expressed genes and accessions submitted to the NCBI database. This information has been used to identify heat stress regulated gene transcripts in plants.

### *Calcium signalling pathways*

The immobile nature of plants has made them to evolve an intricate sensing and signalling network in response to both favourable and unfavourable conditions. Calcium act as a central player in most of the signalling in all eukaryotes, be it physiological or developmental processes. One of the most important phenomenon calcium regulates is the signal transduction network for sensing and responding to environmental stimuli, which uses a plethora of calcium sensors such as Calmodulin, CDPK, and CBL-CIPK networks in plants. The role of several downstream components in calcium signalling, which might be working in concert with calcium sensors/relay, and ultimately acting as effectors in modulating a response either by change in gene expression or direct physiological regulation is being investigated. Some of the key players are calcium sensors, kinases, phosphatases, transcription factors and transporters/channels.

### *Plant-virus interactions*

Viruses represent a major biotic stress for crop plants in tropical countries such as India. Working with viruses infecting the root crop cassava and the popular vegetable Bhendi, new viruses and associated satellite molecules have been found, which will impact the strategies being developed for their control. New anti-viral molecules have been developed for control of viral infections in rice. Since most plant viruses are spread between plants by insects, new approaches have been developed for the study of interactions between viruses and insects.

### *Transcription factors*

Several genes encoding F-box proteins and bZIP transcription factors in rice, which play diverse roles in regulating plant development have been studied. A few of the members of these gene families are induced under abiotic stress, as revealed by microarray analyses. These genes were amplified by PCR using gene-specific primers, cloned in appropriate vectors and over-expressed in *Arabidopsis* by floral dip method. Transgenic T<sub>3</sub>-T<sub>4</sub> generation seedlings were analyzed for response to various abiotic stresses. These studies revealed that both bZIP and F-box proteins play an important role in abiotic stress response in plants.

### *Small RNA*

Small non-coding RNAs are important components in plant responses to abiotic and biotic stresses. From small RNA libraries of wheat, a total number of 60 million high quality tags were obtained. Sequence tags were analyzed using in-house designed PERL constructs and elimination pipeline. A total of 153 known small RNAs were identified by comparing sequences with miRBase version 16.0. More importantly, more than 1000 novel small RNA candidates in wheat have been identified. Putative small RNA sequences were selected on the basis of differential expression during different abiotic stresses and developmental stages and few were validated using real-time PCR. Target genes were predicted using publicly available softwares for selected small RNAs. Furthermore, the DBT-funded Open facility



for high-throughput sequencing facility using Illumina 1 G Genome Analyzer Sequencing Platform is fully functional. The facility has carried out job-work for many research groups in Delhi University as well as outside institutes.

### **Development of plants with improved qualities:**

#### *Stress-tolerant mulberry*

Mulberry (*Morus indica* L.) is the sole food for the silkworm (*Bombyx mori* L.) and has been exploited commercially in the sericulture industry. Over-expression of tobacco stress-protein osmotin in mulberry was achieved under a constitutive promoter (*CaMV* 35S) as well as stress inducible *rd29A* promoter. Transgenic mulberry plants with stress inducible promoter were observed to tolerate salt and drought stress more efficiently than the transgenics with constitutive promoter. Fungal challenge undertaken with three fungal species, showed better resistance in transgenics with *osmotin* under constitutive promoter than *osmotin* under the stress inducible promoter. Biotic assay with the silkworm *Bombyx mori* indicated that osmotin protein has no undesirable effect on silkworm rearing and feeding. Similarly, isolation, cloning and overexpression of *bch1* in mulberry was undertaken to manipulate the carotenoid biosynthesis pathway. The *bch1* transgenics are more tolerant to high-light, high temperatures and to UV stress. Genetic manipulation of a single enzyme in carotenoid metabolism can bring about a pronounced increase in the stress tolerance of plants and thus represents a potentially powerful way forward in the production of stress-tolerant crops.

#### *Cold tolerant tomato*

Genes encoding mitogen activated protein kinase 3 (*LeMPK3*) and alternative oxidase 1 (*LeAOX1*) were found to be up-regulated by cold stress. Since *LeMPK3* is involved at signal transduction level and 2 genes *LeAOX1a* and *LeAOX1b* act at effector level of regulation, both specific and broad level tolerance in plants can be expected by genetic manipulation of the expression of these genes. Tomato plants have been transformed with *LeAOX1a* and *LeAOX1b* and *LeMPK3* gene driven by cold-inducible and constitutive promoter for improving cold tolerance. The response of these transgenic lines to cold stress would be studied by analyzing their growth and membrane integrity under stress.

### **Development of new tools for Plant biotechnology:**

A fruit-specific promoter has been cloned and characterized from tomato. The promoter has shown very good strength and specificity for fruit-specific expression and can be used for heterologous expression of transgenes in the fruit. Several transgenic lines for achieving delay in fruit ripening were produced using RNAi of 2 genes, namely *LeEIL1* and *LeEIL3* in a fruit-specific manner.

Genes *LeAOX1a* and *LeAOX1b* which encode for alternative oxidase enzyme isoforms have been found to be highly cold-inducible. Promoters of these genes have been cloned upstream to *gus* reporter gene and tomato plants have been transformed with these constructs. The transgenic plants would be analyzed for characterization of these promoters.

Gene silencing is emerging as a powerful method for the analysis of gene function. Virus-induced gene silencing is a new method of using modified viral components for gene silencing. A Virus-induced gene silencing method has been developed for the important crop plant rice, which will have far-reaching implications for the analysis of gene functions.

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

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

#### **Honours/Distinctions**

**Prof. J.P. Khurana:** Elected Secretary, Plant Tissue Culture Association, India (April 2010 onwards).

Fellow, Indian National Science Academy, New Delhi.

Member, Taskforce on Human Resource Development, Department of Biotechnology, Ministry of Science & Technology, Government of India.

Member, Taskforce on BioCARE, Department of Biotechnology, Ministry of Science & Technology, Government of India.

UGC Nominee on SAP advisory committee of Jaipur University.

Member, Governing Body, Institute of Home Economics, University of Delhi.

Member, Special Committee of the School of Environmental Sciences, Jawarharlal Nehru University, New Delhi.

Member, Advisory Committee of HRD-DBT program at Pantnagar.

Member, Star College advisory committee of Maitreyi College sponsored by Department of Biotechnology, Govt. of India, at University of Delhi.

Advisor, Star College Project of Ramjas College sponsored by Department of Biotechnology, Govt. of India.

**Prof. Indranil Dasgupta:** Appointed Sectional Editor of *Indian Journal of Virology*.

Appointed Sectional Editor of *Journal of Biosciences*.

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

**Prof. J.P. Khurana:** Organized a UGC-SAP sponsored Workshop on 'Advances in Molecular Biology and Biotechnology', at University of Delhi South Campus, in March 2011.

**Prof. Indranil Dasgupta:** Organized a conference entitled 'Conference on whitefly and thrips transmitted viruses (WTTV 2010)' at University of Delhi South Campus, New Delhi in August 2010. The conference was attended by about 100 delegates from India and abroad.

**Dr. Surekha K. Agarwal:** Organized a regional workshop on 'Sequencing experimental design and quantitative genomics' at UDSC in collaboration with Geschickten, Bengaluru and Sandor Proteomics, Hyderabad, February 2011.

### **Seminars/Conferences attended**

**Prof. J.P. Khurana:** 7th Solanaceae Genomics Conference held at Dundee, Scotland, September 2010.

Participated in an International Symposium on 'One Green Asia' organized by AASA, at Seoul, Korea, on October 2010.

Chaired a session and delivered an Invited Lecture in a Joint FASAS-AASA International Conference on 'Science Education in Asia and the Pacific', at Seoul, Korea, October 2010.

Delivered an invited lecture in Indo-Ireland Joint meeting held at IISc, Bengaluru, March 2011.

Delivered an invited lecture in the Symposium on 'Emerging Trends in Cell Biology' at IJAR, Gandhinagar, Gujarat, April 2010.

Participated in the Annual Meeting of the Indian Academy of Sciences, Bengaluru, at NIO, Goa, November 2010.

Participated in the Annual Meeting of the National Academy of Sciences India (NASI), at Jaipur National University, Jaipur, December 2010.

Delivered an invited lecture in the Annual Conference of the Society of Biological Chemists of India, at IISc, Bengaluru, December 2010.

Participated in the Anniversary Conference of the Indian National Science Academy, at IISc, Bengaluru, December 2010.

Chaired a Session and participated in the National Conference of the PTCA (India), at M.N. Institute of Applied Sciences, Bikaner, February 2011.

Delivered an invited lecture in a National Conference organized by Sri Venkateswara College, University of Delhi, February 2011.

Delivered a Key-note address in a UGC-SAP sponsored Symposium organized by the Department of Botany, Goa University, March 2011.

Delivered Key-note address in the National Symposium organized by the Centre of Advanced Studies, Department of Botany, Calcutta University, Kolkata, in March 2011.

**Prof. P.K. Khurana:** Presentation at the 8th International Wheat Conference, at Saint Petersburg, Russia, June 2010.

Presentation at the Institute of Plant Biology, University of Zurich, at Zurich, Switzerland, June 2010.

Presented at the TWOWS Fourth General Assembly and International Conference on 'Women Scientists in a Changing World', Beijing, China, 27-30 June 2010.

'Expression Profiling for Abiotic Stress Tolerance during Embryogenesis in Wheat' at the 20<sup>th</sup> International Triticeae mapping Initiative and the 2<sup>nd</sup> Wheat Genomics in China, Beijing, China, 1-5 September 2010.

Delivered an invited lecture in Indo-Ireland Joint meeting held at IISc, Bengaluru, March 2011.

Delivered an invited lecture in the Symposium on 'Emerging Trends in Cell Biology' at IAR, Gandhinagar, Gujarat, April 2010.

Participated in the Annual Meeting of the Indian Academy of Sciences, Bengaluru, at NIO, Goa, 12-14 November 2010.

Participated in the Annual Meeting of the National Academy of Sciences India (NASI), at Jaipur National University, Jaipur, 1-4 December 2010.

Delivered an invited lecture in the Annual Conference of the Society of Biological Chemists of India, held at IISc, Bengaluru, 12-15 December 2010.

Participated in the Anniversary Conference of the Indian National Science Academy, at IISc, Bengaluru, 28-30 December 2010.

Chaired a Session and participated in the National Conference of the PTCA (India), at M.N. Institute of Applied Sciences, Bikaner, February 2011.

Delivered an invited lecture in a National Conference organized by Sri Venkateswara College, University of Delhi, February 2011.

Delivered a Key-note address in a UGC-SAP sponsored Symposium organized by the Department of Botany, Goa University, March 2011.

Delivered Key-note address in the National Symposium organized by the Centre of Advanced Studies, Department of Botany, Calcutta University, Kolkata, March 2011.

Invited as Guest Speaker at "Molecular, genomics and bioinformatics approaches towards plant improvement under abiotic stress conditions" workshop, at Shahrekord University, Iran, November 2010.

**Dr. Arun Sharma:** Participated in International Conference on Plant Science in Post Genomic Era (ICPSPGE-2011), Sambalpur University, Orissa, February 2011.

Participated in Indo French symposium 'Genomics and Biotechnology of Fruit Quality' in Lucknow, January 2010.

Participated in conference on 'BIOTECHNOLOGY: Fusion of Advanced Research and Teaching, Madurai Kamaraj University, January 2010.

**Dr. Surekha Katiyar Agarwal:** Organized and attended a short seminar series on 'Demystifying Next Generation Sequencing' at UDSC, New Delhi, 25 May 2010.

## **Publications**

### *Articles in Journals*

**Anand, S. and Tyagi, A.K. 2010.** 'Characterization of a pollen-preferential gene *OSIAGP* from rice (*Oryza sativa* L. sub species indica) coding for an arabinogalactan-protein homolog and analysis of its promoter activity during pollen development and pollen tube growth'. *Transgenic Research*, 19: 385-397.

**Cheong, Y.H., Sung, S.J., Kim, B.G., Pandey, G.K., Cho, J.K., Kim, K.N. and Luan, S. 2010.** 'Constitutive over expression of the calcium sensor *CBL5* confers osmotic or drought stress tolerance in *Arabidopsis*'. *Mol Cells*. Jan12. [Epub ahead of print].

**Das, M., Chauhan, H., Chhibbar, A., Haq, Q.M.R. and Khurana, P. 2010.** 'Constitutive and inducible expression of tobacco osmotin in mulberry, *Morus indica* cv. K2, confers selective tolerance against biotic and abiotic stress'. *Transgenic Research*, 20: 231-246.

**Das, R. and Pandey, G.K. 2010.** 'Expressional analysis and role of calcium sensing kinases in abiotic stress signalling'. *Current Genomics*. 11: 2-13.

**Jain, A., Ghangal, R., Grover, A., Raghuvanshi, S. and Sharma, P.C. 2010.** 'Development of EST-based new SSR markers in seabuckthorn'. *Physiology and Molecular Biology of Plants*: 16: 375-378.

**Purkayastha, A., Sharma, S. and Dasgupta, I. 2010.** 'A negative element in the downstream region of the Rice tungro bacilliform virus promoter is orientation- and position-independent and is active with heterologous promoters'. *Virus Research*. doi:10.1016/j.virusres. 2010.07.007.

**Purkayastha, A., Mathur, S., Verma, V., Sharma, S. and Dasgupta, I. 2010.** 'Virus-induced gene silencing in rice using a vector derived from a DNA virus'. *Planta*, 232: 1531-1540.

**Sharma, M.K., Kumar, R., Solanke, A.U., Sharma, R., Tyagi, A.K. and Sharma, A.K. 2010.** 'Identification, phylogeny, and transcript profiling of ERF family genes during development and abiotic stress treatments in tomato'. *Mol Gen. Genomics*, 284: 455-475.

**Sharma, R., Kapoor, M., Tyagi, A.K. and Kapoor, S. 2010.** 'Comparative transcript profiling of TCP family genes provide insight into gene functions and diversification in rice and *Arabidopsis*'. *J. Plant Mol. Biol. Biotechnol.* 1: 24-38.

**Singh, A., Singh, U., Mittal, D. and Grover, A. 2010.** 'Genome-wide analysis of rice ClpB/HSP100, ClpC and ClpD genes'. *BMC Genomics*, 11: 95.

- Singh, A., Singh, U., Mittal, D. and Grover, A. 2010.** 'Regulatory characteristics of rice glycosyltransferase family CAZy GT61 genes'. *Plant Science*, 179: 114-122.
- Singh, A. and Grover, A. 2010.** 'Plant Hsp100/ClpB-like proteins: poorly-analyzed cousins of yeast ClpB machine'. *Plant Molecular Biology*, 74: 395-404.
- Agarwal, M., Singh, A., Mittal, D., Sahi, C. and Grover, A. 2011.** 'Cycloheximide-mediated superinduction of genes 1 involves both native and foreign transcripts in rice (*Oryza sativa* L.)'. *Plant Physiology and Biochemistry* (Elsevier) 49: 9-12.
- Agarwal, P., Kapoor, S. and Tyagi, A.K. 2011.** 'Transcription factors regulating the progression of monocot and dicot seed development'. *Bioassays*, 33: 189-202.
- Borah, B.K., Cheema, G.S., Gill, C.K. and Dasgupta, I. 2011.** 'A geminivirus-satellite complex is associated with Leaf deformity of *Mentha* (mint) plants in Punjab'. *Indian Journal of Virology* 21(2): 103-109 DOI: 10.1007/s13337-010-0018-8.
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**Kumar, R., Tyagi, A.K. and Sharma, A.K. 2011.** 'Genome-wide analysis of auxin response factor (ARF) gene family from tomato and analysis of their role in flower and fruit development'. *Mol. Gen. Genomics*, 285: 245-260.

**Ray, S., Dansana, P.K., Giri, J., Deveshwar, P., Arora, R., Agarwal, P., Khurana, J.P., Kapoor, S. and Tyagi, A.K. 2011.** 'Modulation of transcription factor and metabolic pathway genes in response to water-deficit stress in rice'. *Func. Integr. Genomics*, 11: 157-178.

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**Dasgupta, I. 2011.** Use of RNAi technology for the control of rice viruses. In: *RNAi technology*, (ed.) **Gaur, R.K., Gafni, Y., Sharma, P. and Gupta, V.K.**, CRC Press, Science Publishers, Enfield, New Hampshire, USA, pp. 253-264.

#### Books

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**Pandey, G.K., Yadav, A., Kanwar, P. and Tuteja, N. 2010.** Role of Calcium in Regulating Potassium-Sodium Homeostasis and Nutrition Signaling under Stress condition. In: *Plant Stress 4 (Special Issue 2)*, 94-103 ©2010 Global Science Books.

**Sharma, C., Pandey, A. and Pandey, G.K. 2011.** Role of Calcium in Stress Mediated Signaling in Plants. In: *Calcium Signaling*, Editor: Masayoshi Yamaguchi, ISBN: 978-1-61324-313-8 ©2011 Nova Science Publishers, Inc.

## PHYSICAL EDUCATION & SPORTS SCIENCES

### Ph.D. Degrees awarded

Ph.D. - 2

### Research Scheme

'A Comparative Study on Inclusion or Swimming in the Larger Picture of Physical Education and Sports at University of Delhi and NCR Universities'.



### **Programmes taken up involving Inter-institutional Collaboration**

The Department collaborated with the organizing of a UGC sponsored Refresher Course in Physical Education with the Indira Gandhi Institute of Physical Education & Sports Sciences held at the Department of Physical Education & Sports Sciences under the patronage of the CPDHE, University of Delhi. The Senior faculty members of the Institute participated in this course as Resource Persons.

The department has also collaborated in the planning of an International Conference on 'Physical Activity and Sports for Global Peace and Development' which will be held at Sir Shankar Lal Hall, North Campus, University of Delhi, 18-21 October 2011 in collaboration with IGIPSS. All necessary communications are in progress for the same.

### **Appointments of Faculty members to higher Posts/Assignments**

**Dr. Sandeep Tiwari:** Invited a Resource Persons at National Seminar held in Raipur.

**Dr. Rakesh Gupta:** Appointed a Dy. Director General (Venue) on the Organizing Committee of 19th Commonwealth Game 2010 Delhi.

### **Honours/Distinctions**

**Dr. Devinder K. Kansal:** Appointed as an Expert in the Subject Committee of Physical Education by University Grants Commission. He was the Chief Guest for the Annual Sports Function of Aditi Mahavidyalaya, University of Delhi. He participated in one day Workshop on e-classes as e-learning Portal Coordinator. He was invited as a Resource Person in a Seminar by Samarth Shiksha Samiti for primary teachers.

**Dr. Sandeep Tiwari:** Attended curriculum work as a Board of Studies Members at Pandit Ravi Shankar Shukla University, Raipur and published various papers in National Seminar at Gwalior, Chandigarh, Bhagu Majra (Ropar).

**Dr. J.P. Sharma:** Appointed as outside Expert in the Faculty of Education, MDU, Rohtak and presented research papers in various National Conferences.

**Dr. Ashok Kumar Singh:** Officiated in Commonwealth Games-2010 in Archery and 34th National Game in Jharkhand, he was a Course Convener of Refresher Course in Physical Education.

### **Seminars/Conferences held**

The Department organized a National Seminar on 'The Role of Physical Education & Sports Sciences in Nation Building' at the Institute, 18 March 2011.

### **Seminars/Conferences attended**

**Dr. Sandeep Tiwari:** Attended curriculum work as a Board of Studies Members at Pandit Ravi Shankar Shukla University, Raipur and published various research papers in National Seminar at Gwalior, Chandigarh, Bhagu Majra (Ropar).

**Dr. J.P. Sharma:** Appointed as outside Expert in the Faculty of Education, MDU, Rohtak and presented research papers in various National Conferences.

**Dr. Ashok Kumar Singh:** Officiated in Commonwealth Games-2010 in Archery and 34th National Game in Jharkhand.

**Dr. Sarita Tyagi:** Organizing Secretary for National Seminar on 'Role of Physical Education and Sports in Nation Building'.

Participated and presented papers in National Conference organized by Gurukul Kangri Vishwavidayala, Haridwar (U.K.).

**Dr. Vijay:** Invited as Resource Persons for in-service Teacher Training Programme organised by State Council of Educational Research and Training at DIET Rajinder Nagar, Dhaura Kaun and Pitampura. He was also invited as Resource Persons on First-Aid for ETE Diploma Course by DIET, Darya Ganj, New Delhi.

**Ms. Sonia Shalini:** Presented papers at UGC, National Seminars and attended a Refresher Course in Physical Education.

**Dr. Dinesh P. Sharma:** Attended UGC sponsored National Seminar, National Conferences and is a visiting Faculty in Education, JJT University. He also participated as an athlete in Mavana Marathon in 3<sup>rd</sup> consecutive year.

**Dr. Sanjeev Kaushal:** Participated International and National Seminars and presented papers in them and also a Staff Council Secretary.

**Ms. Meenakshi:** Attended International and National Conference and presented paper in them.

**Dr. Tarak Nath Parmanik:** Attended International and National Conferences and presented papers in them and he was also deputed as Sports Presentation Manager in 19<sup>th</sup> Commonwealth Game 2010.

**Dr. Rajbir Singh:** Published a book *Khel Samaj Shashtra* in four parts.

## MICROBIOLOGY

### Major Activities

The major research activity in the department deals with various aspect of microbial biotechnology and microbial pathogenicity. In the area of microbial biotechnology, the bench scale bioethanol production process from second generation feedstocks has been developed. Pilot level evaluation of xylanases and laccase in bleaching of paper pulp has been completed. The pilot plant method to convert wheat straw into improved animal feed by solid state fermentation has been developed and the same feed has been evaluated in cattles. The genes encoding acidic  $\alpha$ -amylase from *Bacillus acidicola* and *Geobacillus thermoleovorans*

have been cloned, sequenced and expressed. The recombinant enzymes have been purified. The production of thermo-alkali-stable xylanase by alkaliphilic and moderately thermophilic *Bacillus halodurans* has been optimized in submerged and solid state fermentations. An enzyme based formulation for degradation of Sup 35NM, yeast surrogate prion protein has been developed. Region of chaperone activity in pro-sequence of keratinase from *Pseudomonas aeruginosa* has been identified by N-terminal truncation studies for its further application during pro-sequence engineering. Conformational mutants of keratinases from *Bacillus* sp. with better catalytic efficiency have been developed by pro-sequence swapping. Production of different industrially important enzymes and therapeutic proteins of clinical application such as interleukins and colony stimulating factor is optimized.

Suppression subtractive hybridization between clinical and non-clinical strains of *Yersinia enterocolitica* isolated from India revealed genes specific to clinical strains and included those related to iron acquisition and flagellar hook proteins. The study of the various cytokines in response to two clonal groups of *Yersinia* showed that the differences were not significant. Approximately 80% of the Indian strains of *Y. enterocolitica* were shown to harbor the mucoid factor gene (*MyfA*). The sorbitol fermenting and non-fermenting strains of *E. coli* isolated from sewage-contaminated wastewater are being characterized to phylogroups. The virology laboratory is focusing on Hepatitis C virus (HCV) proteins and their functional studies. 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. 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.

#### **Ph.D. Degree awarded**

Ph.D. - 2

#### **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 from Ministry of New and Renewable Energy.	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' with Dr. Yutaka Kawarabayasi.	Prof. T. Satyanarayana	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 fibres in collaboration with Jay biozyme Technologies, Pune.	Prof. R.C. Kuhad	SBIRI DBT
Bioconversion of cellulosics 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 .	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 unglug 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	Prof. Rani Gupta	DU-DST Purse

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.

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
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Identification and characterization of proteins involved in histone acetylations in the protozoan parasite <i>Leishmania major</i> .	Dr. Swati Saha	DBT
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The regulation of histone acetylation events in <i>Leishmania major</i> .	Dr. Swati Saha	CSIR
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Cloning and characterization of a histone acetylase from <i>Leishmania donovani</i> .	Dr. Swati Saha	UGC
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A system for enhanced production of recombinant proteins in Mycobacteria. DST 2011-2014.	Dr. Amita Gupta	DST
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**Programmes taken up involving inter-institutional collaboration**

Microbial production of biotech feed by solid state fermentation and recombinant DNA technology.	Prof. R.C. Kuhad	DBT
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Evaluation of xylanase and laccase at pilot and mill scale in pulp and paper industry.	Prof. R. C. Kuhad	DBT
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Process development and application of pectinase for retting of plant fibres.	Prof. R.C. Kuhad	SBIRI DBT
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Molecular and biochemical studies on secretory proteins of intracellular pathogens.	Prof. J.S. Viridi, Dr. Yogendra Singh	CSIR
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DST-JSPS international joint research project on 'Novel carbohydrate metabolic enzymes using environmental genomics technique & their application'.	Prof. T. Satyanarayana, Dr. Yutaka Kawarabayasi	DST-JSPS
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## **Appointments of Faculty members to higher Posts/Assignments**

**Prof. J.S. Viridi:** Guest Faculty, Indian Agricultural Research Institute (IARI), New Delhi; Guest Faculty, Department of Microbiology, Jiwaji University, Gwalior; Member, Board of Studies in Microbiology, Thapar University, Patiala; Member, Academic Committee, Institute of Microbial Technology (IMTEC), Chandigarh; Member, Research Degree Committee (RDC), Jiwaji University, Gwalior; Member, Microbiology Accreditation Committee, B.R. Ambedkar University, Agra; Academic Faculty Evaluator, King Abdul Aziz University, Jeddah (Saudi Arabia); Expert, Selection Committee in Microbiology, CCS Haryana Agricultural University, Hisar.

## **Honours/Distinctions**

**Prof. J. S. Viridi:** Editor, *Gul Pathogens* (MBC Journal)

**Dr. Amita Gupta:** Senior Innovative Young Biotechnologist Award (Senior -1YBA) by Department of Biotechnology, Ministry of Science & Technology, Govt. of India

**Prof. R. Kuhad:** Elected President-Elect of AMI for 2010-11.

**Prof. T. Satyanarayana:** The Ministry of Earth Sciences nominated as a member in the Management Board for the Centre of Excellence at Goa University.

**Dr. Y.P. Khasa:** Young Scientist Award in “*Molecular Microbiology*” by Association of Microbiologists of India (AMI) 2010.

## **Seminars/Conferences attended**

**Prof. R.C. Kuhad and Dr. Y.P. Khasa:** 51st Annual Conference of Association of Microbiologists of India held at Ranchi, 14-17 December 2010.

**Prof. J.S. Viridi:** Invited talk at National Conference on Medical Biotechnology – vision 2020, Maharishi Dayanand University, Rohtak, April 2010.

Invited talk at Annual Conference of Society of Biological Chemists of India (SBCI), Indian Institute of Science, Bengaluru, December 2010.

Invited talk at MICROCON – 2011 at Panjab University, Chandigarh, January 2011.

**Prof. T. Satyanarayana:** Participated and delivered invited lectures in BRSI (Madurai), AMI (Ranchi), MSI (Chennai), Panjab University (Chandigarh) and Punjabi University (Patiala) conferences.

**Dr. Swati Saha:** French-Indian inter-academic symposium for infectious diseases, New Delhi 2010.

**Dr. Y.P. Khasa:** Invited talk at MICROCON – 2011 at Panjab University, Chandigarh, January 2011.

## Publications

### Books

**Singh, A., Parmar, N. and Kuhad, R.C. (eds)** Bioaugmentation, Bostimulation and Biocontrol. Soil Biology Series. Springer, Verlag, Germany.

### Research Articles

**Saha, A. and Kaul, R. 2010.** Masanao Murakami and Erle S. Robertson. 'Tumor viruses and cancer biology: Modulating signaling pathways for therapeutic intervention'. *Cancer Biology and Therapy*, 2010 Nov. 29; 10(10): 961-78.

**Archana, A. and Satyanarayana, T. 2011.** 'Optimization of medium components and cultural variables for enhanced production of acidic high maltose-forming and Ca<sup>2+</sup>-independent  $\alpha$ -amylase 5 by *Bacillus acidicola*'. *J. Biosc. Bioeng.* 111: 550-553.

**Bhagat, N. and Viridi, J.S. 2010.** 'The enigma of *Yersinia enterocolitica* biovar 1A'. *Critical Reviews in Microbiology*, 37: 25-39.

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**Chawla, S., Rawat, R., Shabnam, Kuhad, R.C. and Pundir, C.S. 2010.** 'An Amperometric polyphenol biosensor based on laccase immobilized on epoxy-resin membrane'. *Analytical Methods (RSC publications)*.

**Deswal, D., Khalsa, Y.P. and Kuhad, R.C. 2011.** 'Optimization of cellulase production by a brown rot fungus *Fomitopsis* sp. RCK2010 under solid state fermentation'. *Bioresource Technology*. 102: 6065-6072.

**Diwanian, S., Kharb, D., Raghukumar, C. and Kuhad, R.C. 2010.** 'Decolorization of synthetic dyes and textile effluents by basidiomycetous fungi'. *Water, Air and Soil Pollution*. 210: 409-419.

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**Gupta, R., Khalsa, Y.P. and Kuhad, R.C. 2011.** 'Evaluation of pretreatment methods in improving the enzymatic saccharification of cellulosic materials'. *Carbohydrate Polymers*. 84: 1103-1109.

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**Jie Lu, Murakami, Masanao, Verma, Subhash C., Cai, Qiliang, Haldar, S., Kumar, R., Mariusz, A. Wasik, Jaap Middeldorp and Robertson, Erle S. 2011.** 'Epstein-



Barr Virus nuclear antigen 1 (EBNA1) confers resistance to apoptosis in EBV - positive B-lymphoma cells through up-regulation of Survivin'. *Virology*. 2011 Feb 5; 410(1): 64-75.

**Kaur, P. and Satyanarayana, T. 2010.** 'Improvement in cell-bound phytase activity of *Pichia anomala* by permeabilization and applicability of permeabilized cells in soymilk dephytinization'. *J. Appl. Microbiol.* 108: 2041-2049.

**Kaur, P., Singh, B., Böer, E., Straube, N., Piontek, M., Satyanarayana, T. and Kunze, G. 2010.** 'Pphy – a cell-bound phytase from the yeast *Pichia anomala*: molecular cloning of the gene *PPHY* and characterization of the recombinant enzyme'. *J. Biotechnol.* 149: 8-15.

**Khasa, Y.P., Conrad, S., Sengul, M., Plautz, S., Meagher, M.M. and Inan, M. 2011.** 'Isolation of *Pichia pastoris* *PIR*-gene family and their utilization for cell surface display and recombinant protein secretion'. *Yeast*: 28: 213-226.

**Kuhad, R.C., Gupta, R. and Khasa, Y.P. 2011.** Bioethanol production from lignocellulosics: an overview. In: Wealth from waste. Editor Lal, B. and Sharma, P.M. New Delhi: TERI Press.

**Kuhad, R.C., Chandna, P., Lata and Singh, A. 2010.** 'Composting of lignocellulosic waste material for soil amendment'. In Soil Biology Series (Editors) Singh, A., Parmar, N. and Kuhad, R.C. Germany: Springer Verlag.

**Kuhad, R.C., Gupta, R., Khasa, Y.P. and Singh, A. 2010.** 'Bioethanol production from *Lantana camara* (red sage): Pretreatment, saccharification and fermentation'. *Bioresource technology*, 101: 8348-8354.

**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*. 34: 1189-1194.

**Kumar, S., Dagar, S.S., Mohanty, A.K., Sirohi, S.K., Puniay, M., Kuhad, R.C., Sangu, K.P.S., Griffith, G.W. and Puniya, A.K. 2011.** Enumeration of methanogens with a focus on fluorescence in situ hybridization. *Naturwissenschaften*. Doi:10.1007/s00114-011-079-2.

**Mallik, S. and Viridi, J.S. 2010.** 'Genetic relationships between clinical and non-clinical strains of *Yersinia enterocolitica* biovar 1A as revealed by multilocus enzyme electrophoresis and multilocus restriction typing'. *BMC Microbiology*, 10: 158.

**2010.** 'Whole cell protein profiling reiterate phylogenetic relationships among strains of *Yersinia enterocolitica* biovar 1A as discerned earlier by different genotyping methods'. *J. Applied Microbiology*, 109: 946-952.

**Minocha, N., Kumar, D., Rajanala, K. and Saha, S. 2011.** 'Kinoplast morphology and segregation pattern as a marker for cell cycle progression in *Leishmania donovani*'. *J. Euk. Microbiol.* doi: 10.1111/j.1550-7408.2011.00539.x.

- Nagar, S., Mittal, A., Kumar, D., Kumar, L., Kuhad, R.C. and Gupta, V.K. 2011.** Hyper production of alkali stable xylanase in lesser duration by *Bacillus pumilus* SV-855 using wheat bran under solid state fermentation. Doi:10.1016/j.nbt.2010.12.004.
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- Rajput, R., Gupta, R. and Sharma, R. 2010.** 'Biochemical characterization of a thiol-activated oxidation stable keratinase from *Bacillus pumilus* KS12'. *Enzyme Research* DOI:10.4061/2010/132148.
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- Sharma, R. and Gupta, R. 2010.** 'Expression of keratinase Ker P from *Pseudomonas aeruginosa* in *E. Coli*'. *Biotech. Lett.* 32(12): 1863-1868.
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- 2010.** 'Extracellular expression of keratinase from *Bacillus licheniformis* ER-15 in *Escherichia coli*'. *J. Agri. Food Chem.* 58 (14): 8380-8385.
- 2010.** 'Medium optimization for a novel 58kDa dimeric keratinase from *Bacillus licheniformis* ER-15: Biochemical characterization and application in feather degradation and dehairing of hides'. *Bioresource Tech.* 101 (11): 6103-61.
- 2010.** 'Subtilisin- $\alpha$ -glutamyl transpeptidase: A novel combination as unguinal enhancer for prospective topical application'. *J. Pharma. Sciences.* 99(12): 4866-4873.
- Vohra, A., Kaur, P. and Satyanarayana, T. 2011.** 'Production, characteristics and applications of the cell-bound phytase of *Pichia anomala*'. *Antonie van Leeuwenhoek J. Microbiol.* 99: 51-55.
- Yadav, R., Satyanarayana, T., Kotwal, S. and Rayalu, S. 2011.** 'Enhanced carbonation reaction using chitosan-based carbonic anhydrase nanoparticles'. *Curr. Sci.* 100: 520- 524.
- Yadav, R., Wanjari, S., Prabhu, C., Kumar, V., Labhsetwar, N., Satyanarayana, T., Kotwal, S. and Rayalu, S. 2010.** 'Immobilized carbonic anhydrase for the biomimetic carbonation reaction'. *Energy & Fuels*, 24: 6196-6207.



## **Seminars/Conferences attended**

**Prof. Suresh Chand Aggarwal:** Delivered a special Lecture on ‘The Drivers of Labour Input Growth in Indian Industry’ at the Institute of South Asian Studies, Hankuk University of Foreign Studies, Seoul, Korea, 25 October 2010.

Presented a paper ‘Measuring Labour Input in India KLEMS’ in RIETI/G-COE Hi Stat International Workshop on Establishing Industrial Productivity Database for China, India, Japan and Korea organized by Research Institute of Economy, Trade and Industry, Tokyo, 22 October 2010.

Presented and published (in the Conference CD) a paper ‘India’s Economic Growth: Accumulation or Productivity’ with Deb Kusum Das, Abdul Erumban and Deepika Wadhwa in 31<sup>st</sup> General Conference of International Association for Research in Income and Wealth held at St. Gallen, Switzerland, 22-28 August 2010.

Presented a paper ‘Labour Input and its Composition—An Industry Level Perspective in India KLEMS’ in First World KLEMS conference in Harvard University, US, 19-20 August 2010.

A Workshop on India KLEMS held at University of Groningen, Holland, 16-17 April 2010.

**Prof. Surender Kumar Bansal:** Presented on ‘Substitutability and Non-separability among Water Pollutants: Evidence from India’ the 4<sup>th</sup> World Congress of Environmental and Resource Economists, Montreal, Canada, 28 June-2 July 2010.

‘Stock Prices of Clean Energy Firms, Oil and Carbon Markets: A Vector Autoregressive Analysis’ Finalist for Medal, 12<sup>th</sup> GDN Annual Conference, Bogota, Colombia, 13-15 January 2011.

**Dr. Aradhna Aggarwal:** Presented on ‘Micro health insurance programme’ at the Institute of Developing Economies Japan; Hitotsubashi University, Tokyo; and Lancaster University, England.

SEZs at the World Bank conference ‘Thinking on Current Debates on Development Strategy’ in, Stockholm, Sweden; Tokyo University, Japan; and Sharp Industries, Osaka, Japan.

Indian economy at the Yunnan University, Kunming, China.

National innovation systems at Fukuoka University, 1 November 2010 to 10 March 2011.

**Dr. Yamini Gupta:** Presented on ‘Extended Producer Responsibility based Deposit-Refund System for Batteries in Delhi and NCR’ at the ‘21st Biannual Research and Training Workshop’ organized by SANDEE in Godavari, Nepal, 8-12 December 2010.

**Prof. Surender Kumar Bansal:** Presented in India on a ‘Sustainable Development Path’, Invited Plenary Session on ‘Policy Reforms and Development’, International Conference on ‘Relevance of Policy Reforms on Development: Challenges before Emerging Economics’, Jamia Millia Islamia, New Delhi, 24-26 February 2011.

**Dr. Deepa Saran:** Attended 'SAARC @ 25.' New Delhi, 16-17 September 2010.

'India-East Asia Economic Integration: Rule of Economic Corridors and the Emerging Architecture', New Delhi, 10 September 2010.

**Dr. Yamini Gupta and Dr. N.N. Dalei:** Presented on 'Household Behaviour and Ecosystem Change', at INSEE-ATREE-LUPIS. Workshop on 'Integrated Ecosystem Modelling', Bengaluru, India, 23-24 June 2010.

**Prof. Suresh Chand Aggarwal:** Presented a paper with Prof. B.N. Goldar on 'Informalization of Industrial Labour in India: Are labour market rigidities and growing import competition to blame?', ISI Delhi, in the Sixth Annual Conference on Economic Growth and Development, 16-18 December 2010.

**Dr. Deepa Saran:** Attended 'India Pakistan Economic Relations: Prospects and Challenges', New Delhi, 24 November 2010.

### **Publications**

**Aggarwal, A. 2010.** 'Regional Economic Integration and FDI in South Asia : Prospects and Problems', *The IUP Journal of International Business Law*, Vol. 9, Nos. 1 & 2, pp. 8-41, January and April 2010 .

2010. 'Impact Evaluation of India's Yeshasvini Community Health insurance Programme', *Health Economics*, Vol. 19, Issue S1, pp. 5-35, September 2010.

2011. 'Trade Effects of Anti-dumping: Who benefits', *The International Trade Journal*, 25: 1, pp. 112- 158, January 2011.

**Dastidar, A.G. 2010.** 'Income Distribution, Structural Change and International Trade: A Developing Countries Perspective with Special Reference to India' in Alokesh Barua and Robert M. Stern (Eds.), *The WTO and India: Issues and Negotiating Strategies*, Orient Blackswan: New Delhi, July 2010.

**Kumar, S. 2010.** 'Unaccounted for Water and Performance Measurement: An Empirical Analysis from the Indian Water Sector' *Water Policy*, Vol. 12, pp. 706-721.

**Kumar, S. and Managi, S. 2010.** 'Service Quality and Performance Measurement: Evidence from the Indian Water Sector', *International Journal of Water Resources Development*, Vol. 26(2), pp. 173-191.

2010. 'Environment and Productivities in Developed and Developing Countries: The Case of Carbon Dioxide and Sulfur Dioxide', *Journal of Environmental Management*, Vol. 91, No. 07, pp. 1580-1592.

2010. 'Sulfur Dioxide Allowances: Trading and Technological Progress', *Ecological Economics*, Vol. 69, No. 10, pp. 623-631.

**Kumar, S. 2010.** *Energy Prices and Induced Innovation: A Directional Distance Function Approach*, ISBN 978-3-639-26693-1, paperback, 84 Pages, Germany: VDM Publishing House.

**Mehra, Y. and Agrawal, R. 2011.** 'Operational Risk Management: A Survey of Systems, Strategies and Preparedness of Indian Banks'. *Indian Journal of Finance*, Vol. 5, No. 5, pp. 32-42.

**Scheinberg, A., Simpson, M. and Gupta, Y. et. al. 2010.** 'Economic Aspects of the Informal Sector in Solid Waste Management'. *GTZ (German Technical Cooperation) and the Collaborative Working Group on Solid Waste Management in Low and Middle Income Countries (CWG)*, Eschborn, Germany.

## SLAVONIC & FINNO-UGRIAN STUDIES

### Major Activities

The Department provides infrastructure, expertise and opportunities for research and works as a center for scholars interested in the language: Bulgarian, Croatian, Czech, Hungarian, Polish, Russian, Serbian and Slovak.

Russian Literary Anti-utopia in the Beginning of 20th Century: Study of the Works of Zamyatin, Bulgakov and Platonov.

'Patriarchy and Gender relation in the society of India and Russia: A comparative study of 'A great love' written by A. Kollontai and 'Faiska' written by M. Pushpa.

Great Terror A Comparative Analysis of A. Akhmatova's Requiem and L. Chokovs Kaya's Sophia Petrovna.

The Life and Being of the Russian Women: A Study of the Work: The Women's Decameron by Julia Voznesenskaya.

Study of work of Rasputin in the context of fall USSR.

Politeness as a communicative--Pragmatic Category : A Comparative analysis of some aspects of Politeness in Russian and Indian Communicative Cultures.

### M.Phil. Degrees awarded

M.Phil. - 6

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Images of India as Reflected in Bulgarian Literature & Culture	Dr. Rashmi Joshi	UGC
New Women's Prose: Themes, Images & Narratives. Women's Writing in Russian Post-Soviet Era 1991-2005	Dr. Ranjana Saxena	UGC



### **Programmes taken up involving inter-institutional collaboration**

**Prof. Tatiana Kostykova:** Delivered a lecture on the theme 'Modernization of the Contemporary Russian Education System at the Department from Tomsk State University, Faculty of Psychology, 31 January 2011.

**Prof. Tatiana Shaumian:** Delivered lecturer on 'Russia Today: Significance of International Womens' Day', Indologist Institute of Oriental Studies, Russia, Moscow, 8 March 2011.

**Dr. Ranjana Saxena,** Associate Professor: Lecture on the topic 'Position of Russian Language and Literature in Indian Institutions' in Russian State University for Humanities, Moscow, 6 December 2010.

### **Appointments of Faculty members to higher Posts/Assignments**

**Dr. Ranjana Saxena:** Member of the Academic Committee of Jawaharlal Nehru University; Member of the Board of Studies of the Department of Foreign Languages, BPS Women University; Nominated Member of the Advisory Board of Gender Studies, Center at Moscow State University, Russian Federation; Member, International Advisory Board of Russian & International Philology 'the academic journal of the University of PERM, Russia; and External Consulting Supervisor to the Kazakh National Pedagogical University name after Abai, Almaty, Kazakhstan.

### **Seminars/Conferences held**

Little Europe 2010. Melody and Lyrics. A Festival of Musical Films from Bulgaria, Croatia, Czech Republic, Hungary, Poland and Russia, 20-27 October 2010.

Traditional Russian 'Maslenitsa' celebrated, 28 February 2011.

### **Seminars/Conferences attended**

**Dr. Ranjana Saxena:** Attended ICCEES VIII World Conference 2010 titled 'Eurasia: Prospects for Wider Cooperation'. She presented a paper on 'Travails of Transition and 'The Immortal' by Olga Slavnikova in the panel 'Women's Voices from the Ural' held at Stockholm, Sweden, 26-31 July 2010.

Presented a paper on 'Gender Dynamics, Power Structure and Globalization' at the International Forum of Institute of Ethnology and Ethnography, Academy of Sciences, Russia, 28-30 November 2010.

**Dr. Neelakshi Suryanarayan:** Participated at 34th International LAUD symposium, Cognitive Linguistics organized by Institute fur Fremdsprachliche Philogogien Fach Anglistik at Landau, Germany and presented a paper on 'Address forms in British and Indian English as reflection of culture and cognition', 11-16 October 2010.

Participated in the Seminar 'Role of the Alumni in the development and progress of their country' in Beijing, China, 21-26 June 2010.

**Dr. Neelakshi Suryanarayan:** Presented a paper on ‘Socio-linguistic connotations in the use of address forms (with Language and Society in present day Russia and other countries at Russian Academy of Sciences, Branch of History and Philology, Moscow, Russia, 21-22 Aug. 2010.

**Dr. S.K. Vij:** Attended a seminar on Bulgarian Language in Turnovo, Bulgaria, 1-22 August 2010.

**Dr. Neelakshi Suryanarayan:** Presented a paper on ‘Contemporary Russian cinema as a reflection of contemporary social issues’ at International Symposium Russian Studies at the beginning of the 21st century: Continuity in Change in Jawaharlal Nehru University, New Delhi, 10-12 November 2010.

**Dr. Neelakshi Suryanarayan:** Presented a paper on ‘Forms of Address as a reflection of socio-cultural organization of society’. Jointly with Prof. T. Larina (Moscow) at India and Russia in the third Millenium: Dialogue of Cultures at Indapryal 3rd International Conference in Russian Center for Science and Culture, New Delhi, 16-17 September 2010.

**Dr. Ranjana Saxena:** Coordinated the 3rd International Conference of the Association of Russian Teachers (INDAPRYAL) in India on ‘India and Russia: A Dialogue of Culture’ at New Delhi, 15-17 September 2010.

## **Publications**

### *Books*

*Window into Russia: Art & Society in the XXI Century*’ (edited by Saxena, R. and Doraiswamy, R.), 2010, Prakashan Sansthan, ISBN 978-81-7714-284-6.

### *Article in Edited Works*

**Saxena, R. 2010.** Article ‘Smaller Screen Smaller Vision’ Published in Perspectives in Comparative Literature and Culture in the age of globalization. Ed. by Saugage Bhaduri and Amar Basu, Anthum Books Publications. (An imprint of Wimbledon Publishing).

**Joshi, R. 2010.** ‘Realia Banaam Ananuvadyataa’ – article in Anuvaad aur tatkaal Bhashaantarann, ed. by Dr. Vimlesh Kanti Verma, Publication Division, Ministry of Information and Broadcasting, Govt. of India, New Delhi.

## **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 because the faculty has constantly been participating in International for publishing in National and International journals.

On the placement front, the Department has placed 80-90% of the students of MIB and MHROD in reputed organizations. The highest package is Rs. 9.5 lakhs per annum, and the average package stands at Rs. 7 lakhs per annum.

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

Ph.D.	-	6
M.Phil.	-	9

#### **Appointments of Faculty members to higher posts/ assignments**

**Prof. K.V. Bhanumurthy:** Appointed UGC expert for special assistance programme of Department of Commerce, Pondicherry University, Puducherry; Appointed member Board of Studies, Punjabi University, Patiala; Appointed member Advisory Board—Academic Staff College, Punjabi University, Patiala.

**Prof. J.P. Sharma:** Visitor's (President of India) Nominee on the selection committee for teaching posts in the subject of commerce in Banaras Hindu University (BHU), Varanasi; Appointed Visitor's (President of India) Nominee on the selection committee for teaching posts in the School of Economics, Management, Library and Information Sciences in North Eastern Hill Central University, Shillong; Appointed Central Government Nominee on the First Academic Council of Garhwal Central University, Srinagar, (Uttarakhand); Appointed Member of the Managing Committee, Centre for Corporate Governance Research and Training (ICSI-CCGRT), Mumbai.

**Dr. Ajay Kr. Singh:** Appointed UGC expert for inspection of new technical institutions for the third consecutive year; Appointed as a Director of Harrow International Business School, Harrow, UK.

**Dr. Vanita Tripathi:** Member of the apex committee of NCERT for Common Curriculum in Commerce.

#### **Honours/Distinctions**

**Prof. K.V. Bhanumurthy:** Awarded prestigious 'Dewang Mehta award for outstanding contribution to education', 24 November 2010, Mumbai; Fifth National Conference on Capital Market, IBS Gurgaon, 4-5 February 2011 and won the best paper award; A total of thirteen papers in the Top Ten List in the world @ SSRN.COM, of which six are in All Time Top Ten List in the world; All time rating @ SSRN.COM, 98.4 percentile out of 1,63,000 economists in the world.

**Prof. J.P. Sharma:** Joint research paper titled 'Impact of Postal Ballot Mechanism in Improving Shareholders' Participation in Corporate Decision Making: A Research Study' (Joint Paper) has been adjudged for the award of First prize in Legal discipline under the Prize Award scheme for articles published in Vol. XXXIX. The prize was announced and given at the Inaugural function of the 38th National Convention of Company Secretaries held at Swissotel Kolkata City Centre, Kolkata on 2 September 2010.

**Dr. Ajay Kr. Singh:** Awarded Gold Medal by Rector of Slovak University of Agriculture in Nitra, Slovak Republic for cooperation and contribution in the fields of science and education on 26 May 2010 at Nitra, Slovak Republic. Currently Associated as Visiting Professor of Faculty of Economics and Management in SUA, Nitra, Slovak Republic.

Appreciation of Distinguished Services to Indian Commerce Association awarded by J.V. Jain College, Saharanpur, 2010.

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

Seminar on '*Tax Systems in India: Structure, Procedure and Reforms*', held in Department of Commerce, Delhi School of Economics on 4 May 2010.

Organized 15th Annual Convention 'ERUDITION 10' for its MIB and MHROD students, Paintal Memorial Golden Jubilee Auditorium, VPCI, 17-18 September 2010.

Symposia was organized by SPHERE, a student's body of MHROD, Department of Commerce, 28 September- 1 October 2010.

ALUMNI Symposia organized by SPHERE, a student's body of MHROD, Department of Commerce, 24-26 February, 2011.

A port visit to Jawaharlal Nehru Port Trust, Navi Mumbai was organized for the final year students of MIB on 4 October 2010.

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

**Prof. K.V. Bhanumurthy:** Presented five papers and Chaired two sessions at II International Conference of Applied Economics and Time Series Analysis, IBS, Hyderabad, April 2010.

Presented four papers and chaired one session at Second Research Conference on Empirical Issues in International Trade & Finance at Indian Institute of Foreign Trade, New Delhi, 16-17 December 2010.

Presented one paper and Chaired session at International Conference on Science Spirituality and Humanity: Transcending Discipline Barriers. Shivaji College and Department of Philosophy, Delhi University.

International Conference on Changing Structure of International Trade and Investment Implications for Growth and Development, organized by Department of Economics, Jamia Millia Islamia, New Delhi, 2-3 March 2011.

Inaugural Address and Paper presented, International Conference of Derivatives at Pondicherry University, Puducherry, December 2010.

Presented a paper at International Conference on Changing Structure of International Trade and Investment: Implications for Growth and Development, organized by Department of Economics, Jamia Millia Islamia, New Delhi, 2-3 March 2011.

Presented three papers and Chaired session in Fifth National Conference on Capital Market, IBS Gurgaon, 4-5 February 2011.

Presented two papers at 13th Money and Finance Conference, Indira Gandhi Institute for Development Research, Mumbai, 25-26 February 2011.

Presented two papers at World Congress on Accounting at Singapore, November 2010.

**Prof. J.P. Sharma:** Presented a paper titled 'Chinese Labour Laws are Unsuitable for India' at CEA (UK/Europe)'s International Conference 'the China's Economic Dynamics and Its Impacts on World Economy' organized by the University College of Dublin at its 'Quin School of Business' on 14-15 July 2011.

Chaired session 6.3 on Global Crisis and Governance Reform and presented a paper titled 'Lessons for Corporate India in the Light of Global Meltdown' at the Corporate Governance and the Global Financial Crisis Conference organized by the Wharton School of the University of Pennsylvania, Philadelphia, 24-25 September 2010.

Chaired a session and presented a paper titled 'Corporate Governance: Investor's Perspective Joint Paper at the 21st CEA (UK) International Conference organized by the CEA and University of Oxford at Oxford, UK, 12-13 July 2010.

Paper 'Corporate Social Responsibility: A Study of The Initiatives Taken by Indian Companies' (Joint paper) accepted for presentation at the Summer Congress 2010 organized by the Ontario International Development Agency (OIDA), Canada. The paper is available at their site <http://www.ontarioInternational.org/IDCProgram.htm>.

Chaired 2nd Technical Session on 'Corporate Ethics and Principles' and presented a paper titled 'Corporate Governance in Public Sector Undertakings: A Study of Perceptions', at the 2nd International Conference on Corporate Governance' organized by the Centre for Corporate Governance of Institute of the Public Enterprises, Hyderabad, and Waikato Management School, New Zealand, 9-10 December 2010.

Chaired one session on 'Challenges of Corporate Governance with Special Reference to the Satyam Case' at National Convention on Good Governance and National Development organized by the Management Development Academy Jaipur on 9-10 September 2011.

**Dr. Ajay Kumar Singh, Smrita Singh Sinha, Nisha Gupta and Rajul Dutt:** Impact of Culture Dimensions on Role Motivation: A Model Based Study, Scientific Journal Acta Operativo Oeconomica, No. 2/2010 [Presented in the 11th Annual International Conference on Global Economy: Challenges and Perspectives, organized at Faculty of Economics and Management, Slovak University of Agriculture in Nitra, Slovak Republic, 26-28 May 2010.

**Anu S. Lather, Janos Puskas, Ajay Kr. Singh, Nisha Gupta:** Organisational Culture: A study of selected organizations in the manufacturing sector in the NCR, Agricultural Economics – Czech, Vol. 56, No. 8, pp. 349-358. [Presented in the XI Annual International Conference on Global Economy: Challenges and Perspectives, organized at Faculty of Economics and Management, Slovak University of Agriculture in Nitra, Slovak Republic, 26-28 May 2010.

**Dr. Ajay Kumar Singh:** Delivered the Special Address in the Inaugural Session of the XII Annual International Seminar on 'Globalisation of Higher Education: Challenges and perspective' organised by Delhi School of Professional Studies and Research at NAAS, New Delhi, 4-5 January 2011.

International Accreditation Conference 2010 at India Habitat Centre, New Delhi organized by Standards for Educational Advancement & Accreditation (SEAA) Trust, New Delhi, with participating International Agencies: AACSB, AMBA, BAC, EQUIS, ACBSP, IACBE, SAQS, etc. <http://www.seaastandards.org/>, 8-9 November 2010.

14th National Conference 2010 on 'Towards The Next Orbit' at Kingdom of Dreams, Gurgaon, 1-3 December 2010.

VC Circle Education Investment Summit 2010 at The Leela Kempinski, Gurgaon on 24 November 2010.

Presented a paper, 'Talent Quotient Model for Effective Talent Management: An Empirical Study' jointly authored with Sonia Sabharwal, 63rd All India Commerce Conference organized at University of Goa, Goa, 1-3 October 2010.

15th Annual Convention Erudition 2010 on 'Constructing Corporate Conscience: Introspecting the Resurgence,' organized by IBF-SPHERE, Faculty of Commerce and Business, Delhi School of Economics, Paintal Memorial Auditorium, 17-18 September 2010.

**Dr. Vanita Tripathi:** Participated in International Conference on 'Issues in International Trade during Post-Globalisation Era' organized by Shri Ram College of Commerce, 19-20 November 2010.

**Dr. Kavita Sharma:** 'COSMAR 2010' the 10th International Consortium of Students in Management Research, organized by Department of Management Studies, Indian Institute of Science, Bengaluru.

Chaired the technical session 'New Paradigms in Management Theory and Practice' 7th International Conference organized by Punjab Commerce and Management Association, PCMS-SMS from 4-5 September 2010.

Conference on 'Emerging Markets in New World Order Conference—The Paradigm Shift' organized by Academy of Indian Marketing, 2010.

'Effective Teaching through Case Study Methodology', a three-day workshop organized by IIT- Delhi, 14-16 March 2011.

'Towards the Next Orbit' 14th National Conference, NHRD National Network, 1-3 December 2010.

Participated in Conference Indo European Conference on Quality Assurance in Higher Education organized by University of Delhi, 6-7 May 2010.

**Dr. Niti Bhasin:** Presented a paper on 'The Impact of Bilateral Tax Treaties on FDI Inflows: The Case of India' at the Second Research Conference on Empirical Issues in International Trade and Finance, IIFT, New Delhi, 16-17 December 2010.

Presented a paper on 'Tax Incentives to Attract Foreign Investment' at the Seminar on Tax Systems in India: Structure, Procedure, and Reforms, held in Department of Commerce, Delhi School of Economics on 4 May 2010.

**Dr. Sunaina Kanojia:** Participated in the International Consortium on Service Management on Le Meredian, Mauritius, 24-27 August 2010.

Deliver series of lectures in the Faculty of Law and Management, University of Mauritius.

Visited Mauritius under 4th TEC-UGC consortium agreement.

Participate in Indo-European Conference on Quality Assurance in Higher Education, in collaboration with Indo-EU study Centre Programme (IESCP) and the Erasmus Mundus External Cooperation Window (EMECW 15/13), New Delhi, 6-7 May 2010.

### **Publications**

**Bhanu Murthy, K.V. and Deb, A.T. 2011.** Ownership Structure, Regulation and Corporate Governance: A Study of Private Banking in India during 2002-2008. Corporate Governance Beyond Boundaries, Advanced Research Series Macmillan India Publication, Delhi.

**Bhanu Murthy, K.V. 2010.** Re-engineering Higher Education: Seamless Knowledge Management System for the University. Strategic Pervasive Computing Applications-IGL Publications, New York.

**2010.** Business Group Ownership of Banks: Issues and Implications. Corporate Governance Beyond Boundaries, Advanced Research Series Macmillan India Publication, Delhi.

#### *Conference papers*

**Bhanu Murthy, K.V. and Deb, A.T. 2010.** Ownership Structure, Regulation and Corporate Governance: A Study of Private Banking in India during 2002-2008, World Congress on Accounting, Singapore, 4-6 November 2010.

**2011.** Business Group Ownership of Banks: Issues and Implications, World Congress on Accounting, Singapore, 4-6 November 2010.

**2010.** Papers and proceedings 2nd International Conference on Applied Economics and Time series Econometrics (ICAETE-II) IBS, Hyderabad, 16-17 April 2010.

**Bhanu Murthy, K.V and Singh, A.K. 2010.** 'IPO Market: Underpricing or overpricing?' Papers and proceedings, The 2<sup>nd</sup> International Conference on Applied Economics and Time series Econometrics (ICAETE-II) IBS, Hyderabad on 16-17 April, 2010.

**2010.** Do Foreign Institutional Investors Really Drive the Indian Stock Market? Papers and proceedings, Second Research Conference on Empirical Issues in International Trade & Finance, Indian Institute of Foreign Trade, New Delhi, 16-17 December 2010.



**Bhanu Murthy, K.V. and Singh, A. 2010.** Forecasting Foreign Exchange Rate during Crisis: A Neural Network. Papers and proceedings, Second Research Conference on Empirical Issues in International Trade & Finance, Indian Institute of Foreign Trade, New Delhi, 16-17 December 2010.

**Bhanu Murthy, K.V and Sinha, M.K. 2010.** 'Equity and Efficiency of FDI in Indian States'. Papers and proceedings 2nd International Conference on Applied Economics and Time series Econometrics (ICAETE-II), at IBS Hyderabad, 16-17 April, 2010.

**Bhanu Murthy, K.V. and Goel, S. 2011.** Financial liberalization and market efficiency: Testing for market integration of the Money Market in India. Papers and proceedings 2nd International Conference on Applied Economics and Time series Econometrics (ICAETE-II) IBS Hyderabad, 16-17 April, 2010.

**2011.** Examining Micro Foundations of Long Term Interest Rate: A Study of Market Microstructure of Indian Money Market. Papers and proceedings, The 2nd International Conference on Applied Economics and Time series Econometrics (ICAETE-II) IBS Hyderabad, 16-17 April 2010.

**Bhanu Murthy, K.V. and Bhasin, N. 2010.** The Impact of Bilateral Tax Treaties on FDI Inflows: The Case of India. Papers and proceedings, Second Research Conference on Empirical Issues in International Trade & Finance, at Indian Institute of Foreign Trade, New Delhi, 16-17 December 2010.

**Bhanu Murthy, K.V. and Sinha, M.K. 2010.** Dominance and Concentration of FDI: A Cross Country Analysis. Papers and proceedings, Second Research Conference on Empirical Issues in International Trade & Finance, Indian Institute of Foreign Trade, New Delhi, 16-17 December 2010.

**Bhanu Murthy, K.V. and Chand, P. 2011.** Exchange Rate Regime and Current Account Balances in India: Study of Three Policy Period. Papers and proceedings, International Conference on Changing Structure of International Trade and Investment: Implications for Growth and Development, organized by Department of Economics, Jamia Millia Islamia, New Delhi, 2-3 March 2011.

**Bhanu Murthy, K.V. 2011.** Medicine and Business Ethics – A Tale of Two Companies. Papers and Proceedings. International Conference on Science Spirituality and Humanity: Transcending Discipline Barriers. Shivaji College and Dept. of Philosophy, Delhi University.

**Bhanu Murthy, K.V. and Deb, A.T. 2011.** Papers and proceedings, Fifth National Conference on Capital Market, IBS Gurgaon, 4-5 February 2011.

**Bhanu Murthy, K.V. and Singh, A.K. 2011.** Do Foreign Institutional Investors Really Drive the Indian Stock Market? Papers and proceedings, Fifth National Conference on Capital Market, IBS Gurgaon, 4-5 February 2011.

**Bhanu Murthy, K.V and Sinha, M.K. 2011.** 'Equity and Efficiency of FDI in Indian States'. Papers and proceedings, 5th National Conference on Capital Market, IBS Gurgaon, and won the best paper award, 4-5 February 2011.

**Bhanu Murthy, K.V. and Sinha, M.K. 2011.** Dominance and Concentration of FDI: A Cross Country Analysis. Papers and Proceedings, 13th Money and Finance Conference, Indira Gandhi Institute for Development Research, Mumbai, 25-26 February, 2011.

**Sharma, J.P. 2011.** '*An Easy Approach to Business Laws*', Ane Books Pvt. Ltd., New Delhi (1st Edn), Joint Author, ISBN 9789381162309, 2011.

**2011.** '*Corporate Governance, Business Ethics & CSR*', Ane Books Pvt. Ltd., New Delhi (1st Edition), 676 pages, ISBN 9789380618432.

**2011.** '*An Easy Approach to Company & Compensation Laws*', Ane Books Pvt. Ltd., New Delhi (1st Edition, Reprint in Sept. 2010), 436 Pages. ISBN 9789380156743.

#### *Research Papers*

**Sharma, J.P. and Sachdeva, G. 2011.** A Study of Corporate Governance in India: Investor's Perspective. Indian Journal of Corporate Governance of the Institute of Public Enterprise, Hyderabad, July 2011.

**Sharma, J.P. and Vij, S.T. 2011.** Emerging Role of Company Secretaries in Practice: A Study- paper published in the Convention Souvenir of 39th National Convention of Company Secretaries organized by the Institute of Company Secretaries of India at Agra.

**Sharma, J.P.** Global Financial Crisis: Governance Issues and Lessons Learnt'-Paper published in the Chartered Accountant *Journal* of the Institute of Chartered Accountant of India, New Delhi pp. 7-14, June 2011.

Global Financial Crisis has Raised Serious Doubts about the Governance of Financial Institutions-Paper published in the Convention Souvenir of 38th National Convention of Company Secretaries organized by the Institute of Company Secretaries of India at Swissotel Kolkata City Centre, Kolkata, 2 September 2010.

Corporate Governance Failure: A Case Study of Satyam, published in the *Indian Journal of Corporate Governance* of the Institute Of Public Enterprises, Hyderabad, India, Vol 3, No 2 July-Dec Issue, July 2010.

**Sharma, J.P. and Prasad, A.** Corporate Governance in Public Sector Undertakings—A Study of Perceptions', published in the Macmillan Advanced Research Series, titled *Corporate Governance and CSR-A Way of Life*, Macmillan Publishers India Ltd. May-June, 2011.

**Sharma, J.P. and Chhabra, A. CSR Activities:** The Initiative Taken By Indian Companies'-Research Paper published in the in the *Chartered Secretary Journal* of the Institute of Company Secretaries of India, New Delhi, December 2010.

*Papers Published in Refereed Journals*

**Singh, A.K. and Sharma, V. 2011.** Key attributes of successful knowledge management: an empirical study in telecommunication and software industries, *International Journal of Business Information Systems, Inderscience Journal*, Vol. 7, Issue 1, pp. 78-92, Geneva, Switzerland, ISSN: 1746-0972 EISSN: 1746-0980; URL [http://www.inderscience.com/search/index.php?action=record&rec\\_id=37298](http://www.inderscience.com/search/index.php?action=record&rec_id=37298)

**2011.** 'Knowledge Management antecedents and its impact on Employee Satisfaction: A Study on Indian Telecommunication Industries', *Learning Organization, The – TLO*, Volume 18, Iss: 2 pp. 115-130. Emerald Journal, United Kingdom. URL: <http://www.emeraldinsight.com/10.1108/09696471111103722>

**Singh, A.K. and Gupta, N. 2010.** Contribution Based Measurement of Human Asset for Strategic Decision Making using HCIS, *International Journal of Business and Management Studies*, Vol. 2, No. 1, pp. 97-105. [Presented in the Annual Conference of the American Accounting Association at Hotel Hilton, New York, USA, URL : [http://www.sobiad.org/eJOURNALS/journal\\_IJBM/archives/2010\\_1/11ajay\\_kr\\_singh.pdf](http://www.sobiad.org/eJOURNALS/journal_IJBM/archives/2010_1/11ajay_kr_singh.pdf).

**Sinha, S., Singh, A.K., Gupta, N. and Dutt, R.** Impact of Culture Dimensions on Role Motivation: A Model Based Study, *Scientific Journal Acta Operativo Oeconomica*, No. 2/2010 [Presented in the XI Annual International Conference on Global Economy: Challenges and Perspectives, organized at Faculty of Economics and Management, Slovak University of Agriculture in Nitra, Slovak Republic, 26-28 May 2010.

**Lather, A.S., Puskas, J., Singh, A.K. and Gupta, N.** Organizational Culture: A study of selected organizations in the manufacturing sector in the NCR, *Agricultural Economics – Czech*, Vol. 56, No. 8, pp. 349-358. [Presented in the 11th Annual International Conference on Global Economy: Challenges and Perspectives, organized at Faculty of Economics and Management, Slovak University of Agriculture in Nitra, Slovak Republic, 26-28 May 2010.

**Singh, A.K. and Sahi, S. 2011.** 'Motivation Orientation of Employees: An Empirical Analysis in Select Organizations' *MAIMS Journal of Management*, Vol. 6, No. 1. [presented in the 12th Annual International Seminar on 'Globalization of Higher Education: Challenges and Opportunities' at New Delhi, 4-5 January 2011.

**Singh, A.K. and Sabharwal, S. 2011.** 'Talent Quotient Model for Effective Talent Management: An Empirical Study,' accepted for publication in *The Indian Journal of Commerce*, Vol. 64, No. 1 presented in the 63rd All India Commerce Conference organized by Indian Commerce Association at Goa University, Goa, India in 2010. (the paper was selected as the Second best paper in the technical session on Talent Management in the Globalized Scenario).

*Research Article*

**Tripathi, V. and Sethi, S. 2010.** 'Integration of Indian Stock Market with Major world stock Markets' *Asian Journal of Business and Accounting*, Vol. 3 issue 1, pp. 117-134.

**Kanojia, S. 2010.** Active Monitoring by Board: A study of Public and Private Sector Banks, Published in '*Corporate Governance: Beyond Boundaries*', Edited Book by Institute of Public Enterprises, Mc Millan Publishers.

#### *Books*

**Sharma, K. 2010.** *Advertising and Planning and Decision Making*. Taxman Publications.

**Kanojia, S. 2011.** '*An Easy Approach to Business Laws*', Ane Books Pvt. Ltd., 2011, ISBN no. 978-93-8116-230-9.

#### Research Papers

**Sharma, K. 2010.** '*Pulse Polio Programme in India*'. Business Analyst, 2010.

## FINANCIAL STUDIES

### Ph.D. degrees awarded

Ph.D. - 5

### Research Scheme

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
The Department has been granted assistance under SAP for Phase II at DRS Level.	Prof. Sanjay Sehgal	UGC

### Programmes taken up involving inter-institutional collaboration

The Department had entered with MoUs with ESC Pau, France.

The Department entered into an MoU with REIMS Business School, France, for student and faculty exchange as well as joint research.

### New Additions

Prof. I.M. Pandey - Prof. C.P.Gupta

### Seminars/Conferences held

The XXIIIth Annual Convention on 'Changing Headwinds in Global Financial Landscape' was held on 18th September, 2010. Mr. U. Venkataraman, Executive Director, MCX Stock Exchange was the Guest of Honour. Mr. Gunit Chadha, CEO, Deutsche Bank delivered the Keynote Address. The speakers at the First Technical Session included, Mr. Sunil Garg, President – Treasury, Religare Enterprises, Mr. Nipun Sahni, MD & Head, Global Commercial Real Estate, DSP Merrill Lynch, Mr. Pallav Sinha, President & Chief Executive, Fullerton, Mr. Sandeep Chaufla, Tax Partner, Ernst & Young and Mr. Sanjay Sinha, CEO, L&T Mutual

Fund. The speakers at the Second Technical Session were: Mr. Sumit Gupta, President, Commercial Banking, Yes Bank Ltd., Mr. DVSSV Prasad, MD, PNB Gilts Ltd, Mr. Satrajit Bhattacharya, Deputy General Manager, HDFC Ltd. and Mr. Kuldeep Kumar CEO, IIFCL.

The Department in association with Indian Accounting Association, Delhi Chapter organised a National Seminar on 'The Thrust and Challenges in the Indian Financial Sector' on October 30, 2010 at South Campus. Mr. Rakesh Rewari, Deputy Managing Director, SIDBI was the Chief Guest. The speakers at the Seminar were: Mr. Shashank Ojha, Senior E-governance Specialist & Head, India Programme, World Bank, Dr. Ramesh Bhat, Executive Chairman, W One Management System and Mr. Naresh Pandey, CFO, Nokia Siemens.

### **Publications**

**Pandey, I.M. and Kongseanitsara, W.** 'Bangkok Airways', *SSRN, EJournal*, 10 June 2010.

'Supalai Public Limited Company: Management Case', *Vikalpa: The Journal of Decision Makers*, Vol. 35. No. 4, October-December 2010.

#### *Working Papers*

**Pandey, I.M. and Ruangrob, A.** 'Sacombank-SBS Securities: Creation & Sustenance Processes'.

**Pandey, I.M. and Swasdpeera, P.** 'Phenomenology of Willingness to save'.

'Determinants of Personal Saving: A Study of Salaried Individuals in Thailand'.

**Pandey, I.M. and Jayantha, A.** 'Accounting Disclosures of Corporate Social Responsibility: An Exploratory Case Study of a Conglomerate in Sri Lanka.

**Gupta, A. 2010.** The Determinants of Corporate Dividend Policy with C. Banga, *Decision-The Journal of IIM Calcutta*, August, Vol. 37, (2), pp. 63-78.

# COLLEGES





## ACHARYA NARENDRA DEV COLLEGE

### Major Activities

The college's infrastructure received a major boost with a complete renovation of the Library. The Library Annexe is now completely air-conditioned with a spacious reading room with a dedicated section to be used by the Research Scholars and faculty members. The additional floor has a state of the art Web Center which has 80 computers with broadband internet connectivity. The entire college campus has now been Wi-Fi enabled.

### New courses introduced

B.Sc. Physical Science with Electronics

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Positions in the University</i>
Vandana Raghavan	B.Sc. (Hons.) BMS	III
Preeti Kumari	B.Sc. Applied Life Science	II

### Special grants/assistance/projects

#### Awarded to the college

Directorate of Higher Education granted ₹ 72,14,229 to PWD for Infrastructural works in the college.

Directorate of Higher Education sanctioned ₹ 4,00,000 and UGC (merged scheme XI Plan Grant) of ₹ 23,42,000.

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Cloning and expression of Mycobacterium tuberculosis genes.	Dr. Urmi Bajpai	CSIR
Metal complexes as anticancer agents: Synthesis, characterization and their tumorigenesis evaluation.	Dr. Vikrant Kumar	DBT

### Library Development

Total budget:	₹ 20,25,000
books added:	2,300
Journals subscribed to:	20

## **Honours/Distinctions**

**Dr. Sarita Kumar:** Selected for 'Meritorious Teacher Award' by Directorate of Higher Education, Govt. of NCT of Delhi.

**Dr. Savithri Singh:** Member, Standing Committee on e-Learning & Open Schooling created for Quality Improvement in Schools of Haryana, Board of School Education, Government of Haryana; Member, Departmental Advisory Board, Department of Teacher Education and Extension, NCERTP; Member of Committee for Development of Textbook on Pedagogy of Science for B. Ed., Departments of Education in Science and Mathematics (DESM), NCERT; Member of the Core Committee in Science and Mathematics representing the Department of Education in Science and Mathematics (DESM), NCERT for developing Core Syllabus in Biology Class XI and XII; Member, Advisory Committee, Department of Hindi Medium Implementation, University of Delhi; Member of the Reviewing Panel in Third International Conference on e-Learning, Universiti Teknologi MARA (UITM), Malaysia.

## **Seminars/Conferences held**

Seminar on 'FOSS: Awareness and Possibilities' in association with NRCFOSS, Anna University, Chennai at University of Delhi, South Campus, 16 April 2010.

## **Seminars/Conferences attended**

**Dr. Savithri Singh:** Participated in the CEMCA Training of Trainers 'Advanced Easy Now Trainers' Workshop to provide Educational Support to Online Learning at the Wawasan Open University, Penang, Malaysia, 19-25 June 2010.

In collaboration with CEMCA coordinated a Workshop on 'Open Educational Resources (OERs)', at the Institute of Distance and Open Learning, Mumbai University, Mumbai, 24-26 February 2011.

Resource person in a Workshop on 'Open Educational Resources – WikiEducator', Department of Computer Science, Thirthankar University, Moradabad, 3-5 September 2010.

Resource person in a Workshop on 'FOSS and OER' in the Department of Computer Science, Guwahati University, Guwahati, 2-5 December 2010.

**Dr. Ram Kumar:** Delivered invited Seminar on 'Piscivory by the invasive mosquito fish as a function of relative abundance of alternative prey' University of Littoral, France, 18 May 2010,

Delivered invited Seminar on 'Ground water faunal diversity: what is known and what is yet to be known', University of Science and Technology, Lille-1, France, 12 June 2010.

**Dr. Vibha Gaur and Neeraj Sharma:** Evaluating Reputation Systems for Agent Mediated e-Commerce, International Conference on Advances in Computer Science ACS 2010, Trivandrum, Kerala.

**Abhay Pratap Singh, Anubha Seth, Radhika Warikoo, Naim Wahab and Dr. Sarita Kumar:** Oviposition deterrent and ovicidal effects of the leaf extracts of *Parthenium* sp. against an Indian strain of *Aedes aegypti*, 3rd International Conference on *Parthenium*, IARI, New Delhi, 8-10 December 2010.

**Gokul Nair, Sahil Batra, Radhika Warikoo, Naim Wahab and Dr. Sarita Kumar:** Spatial repellency and contact irritancy response of female *Aedes aegypti* to the leaf extracts of *Parthenium* sp. in different solvents, 3rd International Conference on *Parthenium*, IARI, New Delhi, 8-10 December 2010.

**Radhika Warikoo, Naim Wahab and Dr. Sarita Kumar:** Laboratory Evaluation of the larvicidal efficiency of *Parthenium* sp. against an Indian strain of *Aedes aegypti*, 3rd International Conference on *Parthenium*, IARI, New Delhi, 8-10 December 2010.

**Dr. Vikrant Atri:** 2nd International exhibition and Conference on 'Scientific and Laboratory Instruments (Second India Lab Expo)', Pragati Maidan, New Delhi, 10-12 December 2010.

**Dr. Sarita Kumar:** Indo-European Conference on 'Quality assurance in Higher Education', organized by University of Delhi, 6-7 May 2010.

**Dr. Monisha Khanna:** International Conference on 'Biotechnology for Better Tomorrow Department of Microbiology, Dr. Babasaheb Ambedkar Marathwada University, Sub-campus, Osmanabad, Maharashtra, 6-9 February 2011.

International Conference on 'Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) and other chlorinated contaminants', Department of Zoology, University of Delhi, 9-11 February 2011.

**Pankaj Khanna and Subhash C. Jain:** Synthesis of some coumaryl-spiroindoles of pharmaceutical interest, 13th CRSI National Symposium in Chemistry, National Institute of Science Education and Research, Bhubaneswar, 4-6 February 2011.

**Monisha Khanna, Renu Solanki and Rup Lal:** Two novel species of *Streptomyces* isolated from a sanitary landfill soil, National Symposium on 'Biotechnology', Delhi Technological University, 29-30 October 2010.

**Renu Solanki, Monisha Khanna and Rup Lal:** Antimicrobial activities of an actinomycete isolated from pesticide contaminated site in Lucknow, 51st Annual Conference of AMI 'International Symposium on recent advances in cross disciplinary Microbiology: Avenues & Challenges', Birla Institute of Technology, Mesra, Ranchi, Jharkhand, 14-17 December 2010.

**Amit Garg, Ankit Mittal, Reena Sharma and Vishal Dhingra:** Measuring Noise Levels in Delhi, The 11th International Conference on Public Communication of Science & Technology (PCST-2010) Science Communication Without Frontiers, New Delhi, 6-10 December 2010.

**Amit Garg, Ankit Mittal, Reena Sharma, Vishal Dhingra, Aritra Chatterjee and Pratik Chakravarty:** Investigating recycling methodologies adopted by Photovoltaic industry, National Conference on sustainable management of e-waste, Bhaskaracharya College of Applied Sciences, Dwarka, New Delhi, 14-15 December 2010.

**Amit Garg, Avdesh Kumar Singh, Deepak Joshi, Kanika Sandhu, Pratik Chakravarty, Praveen Kumar, Purnima Wadhawan, Reena Sharma, Vaibhav Sharma, Vishal Dhingra, Zameer Khan and Ankit Mittal:** Promoting Science at School Level through hands-on Experiments, The 11th International Conference on Public Communication of Science & Technology (PCST-2010) Science Communication Without Frontiers, New Delhi, 6-10 December 2010.

**Amit Garg, Ankit Mittal, Reena Sharma and Vishal Dhingra:** Understanding Global Warming through Physical Parameters Measurement, International Conference on Global Warming, Climate Change, Sustainable Development and Secular Spirituality-2010, Santhigiri Ashram, Thiruvananthapuram, 9-11 September 2010.

**Sandeep Goel:** Capital Gains Taxation under Direct Tax Code, 63rd All India Commerce Conference organized by Faculty of Commerce, Goa University, 1-3 October 2010.

**Chaman Singh:** Optimal Ordering Policy for Two-Warehouse Model with Power-form Stock-Dependent Demand, 3rd National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences, Organized by D.N. College, Meerut, 5-6 Feb. 2011.

**Sunita Jetly, Ravi Toteja, Sarita Kumar and Archana Pandey:** National Workshop on RNAomics: Isolation to Interference, Shivaji College, New Delhi, 25-29 October 2010.

**Sandeep Goel:** National Seminar on 'Indian Financial Sector: Thrust and Challenges' organized by Department of Financial Studies, S.P. Jain Centre Auditorium, University of Delhi South Campus, 30 October 2010.

National Workshop on 'Data Analysis using SPSS' organized by Department of Commerce, Kirori Mal College, University of Delhi, 13 November 2010.

National Conference on 'Issues in International Trade during Globalisation Era' organized by Shri Ram College of Commerce, University of Delhi, 19-20 November 2010.

National Seminar on 'Business and Economics' organized by Shivaji College 25 Feb. 2011.

**Monisha Khanna:** National Symposium on Biotechnology, Delhi Technological University, Delhi, 29 -30 October 2010.

51st Annual Conference of AMI 'International Symposium on recent advances in cross disciplinary Microbiology: Avenues & Challenges', Birla Institute of Technology, Mesra, Ranchi, Jharkhand, 14-17 December 2010.

**Amit Garg:** National Instruments One Day Seminar 'HOD Conclave on Experiential Education - An approach for enhancing engineering and science education', Park Plaza, 11 June 2010.

**Dr. Seema Gupta:** International Conference on Education in Chemistry-2010, Organized by Indian Association of Chemistry Teachers and HBCSE, Homi Bhabha Centre for Science Education, Mumbai, 12-14 November 2010.

**Sadanand Prasad:** 3rd National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences, Organized by D.N. College, Meerut, 5-6 February 2011.

**Sarita Agarwal:** National Workshop on Computational Science, Department of Physics & Astrophysics and Delhi University Computer Centre, 1-7 July 2010.

## Publications

### Books

**Johri, S., Tyagi, P. and Chopra, P. 2010.** *I Explore: A Science Textbook for Class 8* (ISBN: 978-0-521-18602-5) (with CD ROM), New Delhi: Cambridge University Press.

**2010.** *I Explore: A Science Textbook for Class 7* (ISBN: 978-0-521-18600-1) (with CD ROM), New Delhi: Cambridge University Press.

**2010.** *I Explore: A Science Textbook for Class 6* (ISBN: 978-0-521-18597-4) (with CD ROM), New Delhi: Cambridge University Press.

**Toteja, R. 2010.** *Textbook of Biotechnology for undergraduate students*, Ane Books Pvt Ltd. ISBN 9789380156804.

### Research Articles

**Lee, C.H., Dahms, H.U., Cheng, S.H., Souissi, S., Schmitt, F.G., Kumar, R. and Hwang, J.S. 2010.** Predation on *Pseudodiaptomus annandalei* (Copepoda: Calanoida) by the grouper fish fry *Epinephelus coioides* under different hydrodynamic conditions, *Journal of Experimental Marine Biology and Ecology*, 393: 17–22 (I.F. 2.36). [www.elsevier.com/locate/jembe](http://www.elsevier.com/locate/jembe)

**Hwang, J.S., Kumar, R., Dahms, H.U., Tseng, L.C. and Chen, Q.C. 2010.** Interannual, seasonal, and diurnal variation in vertical and horizontal distribution patterns of 6 *Oithona* spp. (Copepoda: Cyclopoida) in the South China Sea. *Zoological Studies*; **49**(2): 220-229. <http://zoolstud.sinica.edu.tw/492.htm> (I.F. 0.8).

**Kaur, R., Chaujar, R., Saxena, M. and Gupta, R.S. 2010.** Hot Carrier Reliability Monitoring of DMG ISE SON MOSFET for Improved Analog Performance, *Microwave and Optical Technology Letters* 52(3), 770-775.

**Kaur, R., Chaujar, R., Saxena, M., Gupta, M. and Gupta, R.S. 2010.** Design Considerations and Impact of Technological Parametric Variations on RF/Microwave Performance of GEWE-RC MOSFET, *Microwave and Optical Technology Letters* 52(3), 652-657.

- Gupta, R., Kaur, R., Aggarwal, S.K., Gupta, M. and Gupta, R.S. 2010.** Metal Insulator Gate Geometric HEMT: Novel Attributes and Design Consideration for High Speed Analog Applications, *Journal of Semiconductor Technology and Science* 10(1), 66-76.
- Garg, A., Sharma, R. and Dhingra, V. 2010.** Computer Assisted Magnetism Studies, *Latin American Journal of Physics Education* 4 (3), 523-528.
- 2010.** Automating Energy Band-Gap Measurements in Semiconductors Using LabVIEW, *European Journal of Physics Education* 1(1), 5-17.
- Agarwal, S. and Chaudhury, M.P. 2010.** Jordan Ideal in Non-Commutative Rings, *Global Journal of Science Frontier Research*, 10 (4), 9-11.
- Singh, R. and Tripathi, V.K. 2010.** Raman upshifted third harmonic generation of a laser in a plasma, *Physics of Plasmas* 17, 112103.
- Kumar, S. and Singh, H.P. 2010.** Magnetohydrodynamic waves in the presence of relative motion between two populations of a plasma system, *Physics of Plasmas* 17, 092104.
- Singh, U., Jha, N., Singh, T.K., Kapoor, A. and Perrone, A. 2010.** Investigation of transmittance property of Palladium thin film fabricated by pulsed laser deposition with polarization using single layer model, *Optics and Laser Technology* 42, 1128-1133.
- Kumar, S., Warikoo, R. and Wahab, N. 2010.** Larvicidal Potential of Ethanolic Extracts of Dried Fruits of Three Species of Peppercorns Against Different Instars of an Indian Strain of Dengue Fever Mosquito, *Aedes aegypti* L. (Diptera: Culicidae), *Parasitology Research* 107, 901-907.
- Kumar, S. and Pillai, M.K.K. 2010.** Correlation between the Reproductive Potential and the Pyrethroid Resistance in an Indian Strain of Filarial Vector, *Culex quinquefasciatus* Say (Diptera: Culicidae), *Bulletin of Entomological Research*, doi:10.1017/S0007485310000131
- Kumar, S., Singh, A.P., Nair, G., Batra, S., Seth, A., Wahab, N. and Warikoo, R. 2010.** Impact of *Parthenium hysterophorus* leaf extracts on the fecundity, fertility and behavioural response of *Aedes aegypti*, *Parasitology Research*, L. DOI: 10.1007/s00436-010-2126-1.
- Kumar, S. and Pillai, M.K.K. 2010.** Reproductive Disadvantage in an Indian Strain of Malarial Vector, *Anopheles stephensi* Liston on selections with deltamethrin/synergized deltamethrin, *Acta Entomologica Sinica* 53, 1111-1118.
- Kumar, S., Wahab, N. and Warikoo, R. 2011.** Bioefficacy of *Mentha piperita* essential oil against dengue fever mosquito, *Aedes aegypti* L. *Asia Pacific Journal of Tropical Biomedicine* 2, 90-93 .
- Haridas, D., Chowdhuri, A., Sreenivas, K. and Gupta, V. 2010.** Fabrication of SnO<sub>2</sub> thin film based electronic nose for industrial environment, *IEEE Sensors Applications Symposium, SAS 2010 - Proceedings*, art. no. 5439413, pp. 212-215.

**Verma, M., Chowdhuri, A., Sreenivas, K. and Gupta, V. 2010.** 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, Thin Solid Films 518 (24 SUPPL.), e181– e182.

**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 catalyst for H<sub>2</sub>S gas, Sensors and Actuators B 145 (1), 155-166 (2.934).

**Chowdhuri, A., Sreenivas, K. and Gupta, V. 2010.** Influence of nanosized catalysts on trace level H<sub>2</sub>S sensing characteristics of SnO<sub>2</sub> thin film based novel heterostructures, Proc. of 7<sup>th</sup> National Conference on Physics (PANE 2010), Manipur University, Imphal, pp. 81.

**Tyagi, P., Misra, R.K., Mehra, N.C. and Vedeshwar, A.G. 2010.** 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, Integrated Ferroelectrics, 122(1), 52 -62 .

**Gaur, V. and Soni, A. 2010.** An Integrated Approach to Prioritize Requirements using Fuzzy Decision Making, International Journal of Engineering and Technology 2(4), 320-328.

**Singh, C. 2010.** Two Echelon Supply Chain Model with Imperfect Production for Weibull distribution deteriorating items under Imprecise and Inflationary Environment, Intl. Journal of Operations Research and Optimization 1(1), 9-25.

**2010.** Supply Chain Model with Stochastic Lead Time under Imprecise Partially Backlogging and Fuzzy Ramp-Type Demand for Expiring Items, Intl. Journal of Operational Research 8(4), 511-522.

*Patent*

**Ravindranath, V., Gupta, A., Sehgal, N., Jain, S.C., Thakur, S. and Khanna, P.** Withania somnifera plant extract and method of preparation thereof. PCT/IN2009/000430, Pub. No.: WO/2010/013254 <http://www.wipo.int/pctdb/en/wo.jsp?WO=2010013254>

## ATMA RAM SANATAN DHARMA COLLEGE

### Seminars/Conferences attended

**Dr. Jyotika Jogi:** IEEE Tencon 2010 held in Fukuoka Japan, 21-24 November 2010.

11th International Conference on Public communication in Science and Technology, New Delhi, 6-10 December 2010.

### Publications

**Rathi, S., Jogi, J., Gupta, R.S. and Gupta, M. 2010.** ‘An Analytical charge-based Drain Current Model for Nano-scale InAlAs-InGaAs separated Double gate HEMT’, Semiconductor Science and Technology, Vol. 25(11).



**Bhattacharya, M., Jogi, J., Gupta, R.S. and Gupta, M. 2010.** 'Impact of Doping concentration and Donor-layer thickness on the dc characterization of symmetric Double-gate and Single-gate InAlAs/InGaAs/InP HEMT for nanometer gate dimension – A comparison'. IEEE TENCN, Fukuoka, Japan, pp. 134-39.

**2010.** An Analytical study of Enhanced Microwave performance of symmetric Double-gate InAlAs/InGaAs/InP HEMT over Single-gate InAlAs/InGaAs/InP HEMT for nanometer gate dimension', ICMARS (International Conference on Microwave, Antennal and sRemote Sensing) Jodhpur, Rajasthan.

**2011.** 'Analytical Modeling of Intrinsic Y-parameters to study the enhanced microwave performance of symmetric tied-gate InAlAs/InGaAs/InP DG-HEMT', International Conference on Signal, Systems and Automation (ICSSA-2011), Gujarat.

**Jogi, J. 2010.** 'Researcher or Attention Grabber? Is Intellectual property a means to communicate scientifically', 11<sup>th</sup> International Conference on Public Communication in Science and Technology, New Delhi.

## ADITI MAHAVIDYALAYA

### New Course Introduced

Application Course in Physical Education (B.A. Programme)

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Anamika	B.A. (Hons.) Geography	II
Ms. Poonam	B.A. (Hons.) Geography	II
Ms. Soni Khatri	B.A. (Hons.) Social Work	I

### Special Grants/Assistance/Projects

**Awarded to the College:** From UGC regarding Development Grant of College - ₹ 28,60,000/- (includes 14 merged schemes)

### Awarded to Individual Teacher:

Dr. Anita Ghosh	:	₹ 96,745.00
Dr. Punyatoya Patra	:	₹ 76,103.00

(Management of Forests Lands in the Kendujhar District Orissa).

### Library Development

Total Budget	:	₹ 3,50,000.00
Books	:	550
Journals	:	86

### **Honours/Distinctions**

**Dr. Neelam Rathi, Dr. Nalini Singh, Dr. Ruby Choudhary, Dr. Upasna Seth and Dr. Manju** Awarded Ph.D. Degree.

### **Publications**

**Arora, M.** Published an article on Spatial pattern of Urban Agriculture in NCT of Delhi.

**Bhatia, L.** Published an article titled, 'Continuity and Change in the Fringes of North West Delhi in P. Patra (Ed.), 2011. Fringe Dynamism in Delhi Metropolitan City, Ghaziabad: Globe Publishing House.

**Malik, N.** Published a research paper entitled, 'Disaster Preparedness Among Women in NCR' in an Indian Geographical Journal published from Jodhpur.

*Research Paper*

**Lakra, P. and Sehgal, S. 2010.** 'Influence of processing on total and extractable mineral content of products prepared from potato flour'.

**Punyatoya, P.** Edited a book – 'Fringe Dynamism in Delhi Metropolitan City'.

**Sawshilya, A.** Co-authored a book 'Disaster Management- Pre-During--Post'.

**Kaur, R.** Authored a text book titled, 'Basic Financial Management'.

Published second revised edition of 'Fundamentals of Financial Management'.

## **AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY**

### **Library Development**

Total Budget	:	₹ 1,44,483.00
Books added	:	82
Journals subscribed to	:	8

### **Seminars/Conferences attended**

**Dr. Hemant Juneja:** Delivered a lecture on 'Patellofemoral Pain syndrome', National Conference on 'Current Practices In Knee Rehabilitation' at Sitaram Bhartia Institute of Medical Science and Research, New Delhi, 11 September 2010.

Delivered a lecture on 'Diabetes and Exercise' at the Indian Association of Physiotherapists Annual Conference 2011, Pune, India, 7-9 January 2011.

Attended a National Conference on Multiple Sclerosis, Fortis Hospital, NOIDA, 14 Nov. 2010.

**Dr. Parminder Kaur:** Attended the National Conference on Multiple Sclerosis, Fortis Hospital Noida on 14 November 2010 and delivered a lecture on 'Physiotherapy needs of a Multiple Sclerosis patient'

**Dr. Sakar Sharma:** Attended Indian Association of Physiotherapists Annual Conference 2011, at Pune India, 7-9 January 2011 and presented a Scientific Paper on ‘The combined effect of US therapy & ischaemic compression technique on Myofascial trigger points in upper trapezius muscle ‘

## BHASKARACHARYA COLLEGE OF APPLIED SCIENCES

### Major Activities

The college was approached by The India Office of the USFDA, United State Embassy in New Delhi to train the manufacturers of acidified foods and low acid canned foods regarding safety regulations of USFDA.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Seep Manchanda	B.A. Sc. (Hons.) Electronics	I
Ms. Ananya Das	B.Sc. (Hons.) Food-Technology	III
Ms. Divy Nahata	B.Sc. (Hons.) Polymer Science	I
Ms. Sandhya	B.Sc. (Hons.) Polymer Science	II
Mr. Bhupender Kumar	B.Sc. (Hons.) Polymer Science	III

### Special Grants/Assistance/Project

#### Awarded to the Individual Teachers:

Dr. Uma Chaudhry, UGC project of ₹ 7.5 lakh have been granted

### Library Development

Total Budget	:	₹ 8,23,111
Books added	:	1,283
Journals subscribed to	:	28

### Seminar/Conference held

The Departments of Electronics and Instrumentation jointly organized National Conference on ‘Sustainable Management of e-Waste’ on 14-15 December 2010.

### Seminar/Conference attended

**Dr. Anil Kumar Bali:** Participated in the International Conference (Indo-Swiss collaboration in Biotechnology) on ‘Recent trends in Developing Bioremediation strategies for Hexachlorocyclohexane (HCH) & other chlorinated contaminants’ at University of Delhi, 9-11 February 2011.

**Dr. Meenakshi Garg:** Attended International Workshop on ‘sustainability and water quality’ sponsored by American Chemical Society organised by GCNC, 17-20 January 2011.

**Dr. Ramesh Kataria:** Attended 98th Indian Science Congress held at SRM University, Chennai, 3- 7 January 2011.

**Dr. Anil Kumar Bali and Dr. Uma Choudhary:** Attended the Indo-European Conference on 'Quality assurance in Higher Education' at the University of Delhi, 6-7 May 2010.

**Sh. Avneesh Mittal:** Attended the 7th International Conference TIMA 2011 (Trends in Industrial Measurements and Automation) organized by CEERI Chennai, Madras Institute of Technology and International Society of Instrumentation at Chennai, 6-8 January 2011.

**Dr. Rizwana:** Attended the National Seminar on 'New Trends in Packaging of Fresh and Processed Foods for Domestic and Export Market' organized by All India Food Processors Association, at IIC, New Delhi, 9 April, 2010.

**Dr. Shalini Seghal:** Attended National Seminar on 'Food Safety and Standards Act – The Step Forward' organized by AIFPA at New Delhi in July 2010.

**Dr. Madhulika:** Attended a National Seminar on 'Organization and Change: Leverage People, Processes and Technology'.

**Dr. Saroj Kumar Shukla:** Attended the 16<sup>th</sup> National Seminar on Physics and Technology of Sensors, Department of Physics, Lucknow University, 11-13 February 2011.

Attended Indo-European Conference on Quality Assurance in Higher Education, University of Delhi, 6-7 May 2010.

**Dr. Ranjeet Singh Thakur:** Attended the National Seminar on 'Ranganathan's Vision for Academic Libraries' organised by the Department of Library and Information Science, University of Delhi on 12 August 2010.

## BHIM RAO AMBEDKAR COLLEGE

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Preeti	B.A. (H) Social Work	II

### Library Development

Total Budget	:	₹ 5,97,000/-
Books added	:	1,282
Journals subscribed to	:	34

### Seminars/Conferences held

Organised a National Seminar on 'Inclusive Social Development: An Inter Disciplinary Perspective', 4 February 2011.

### **Seminars/Conferences attended**

**Dr. Sangeeta Sharma:** Presented a paper 'Corporate Social Responsibility in the Age of Sustainable Economics', International Conference, IIM, Shillong, 8-10 December 2010.

**Dr. Harish:** Presented a paper 'Bank-Based Financial Deepening and Economic Growth in India. An Application of Toda Yamamoto Causality Test', in National Conference organized by Saintgits Institute of Management, Kottayam, Kerala, 3-4 September 2010.

**Dr. R. Thakur:** Presented a research paper, 'Resource Potential and Its Prospects in Chotanagpur Region', Seminar at National Association of Geographers India, Chandigarh, 19-21 November 2010.

**Dr. R.N. Dubey:** Presented a research paper 'Sustainable Development of Towns and Villages in India', Seminar Indian Geographic Congress, National Association of Geographers India at Chandigarh, 19-21 November 2010.

**Dr. Monica Ahlawat:** Presented papers 'Environmental Education and Rural Women', National Conference organized by All India Foundation for Peace and Disaster Management, New Delhi, 28-29 May 2010.

'Women in Agriculture - The Invisible Farmers: A Case Study of Rural Delhi', Seminar, National Association of Geographers India at Punjab University, Chandigarh, 19-21 November 2010.

**Dr. Navin Kumar:** Presented papers 'Role Expectations and Strain of the Elderly from Perspective of Intergenerational Dynamics' in International Congress on Geriatric Care, 14 November 2010.

'Understanding Expectations and Fulfillment of Gap Dynamics of School Education. A Psycho-social-economic and Technological Perspective', International Conference at Chandigarh 16 November 2010.

'Emerging Role of Psychological Skills for Medical Profession', NAOP Conference, 19 December 2010.

**Dr. Richa Chowdhary:** Presented papers 'Women Development and Ambedkar', National Seminar, organized by Department of Social Work, M.S. University, 13-14 December 2010.

'Field Work Practices: Inclusion of Contemporary Domains', International Seminar, organized by Department of Social Work, University of Lucknow, 20-21 December 2010.

**Dr. Atul Pratap Singh:** Presented papers 'Empowerment of Adolescent Girls in India through Social Work Practice', National Seminar, organized by B.L. Centre for Development Research & Action and ANANYA at Lucknow, 6-7 June 2010.

'Inclusive Growth in India. An Overview', in International Seminar organized by Department of Social Work, University of Lucknow, 20-21 December 2010.

**Dr. Om Mishra:** Presented papers 'Parampara Tatha Adhunikta Ke Beech Fasi Nari: Badlaw Tatha Chunautiyan', National Conference organized by Shivaji College, 9-10 November 2010

'Human Rights and Disability with Special Reference to Hindi Literature', National Seminar organized by Swami Shukdevanand College, M.J.P. Rohilkhand University, UP, 15-16 November 2010.

**Dr. Arvind Yadav:** Presented a paper 'Dilemmas of Indian Democracy: Major Concerns in 21st Century' in National Seminar at Kalindi College, 3-4 February 2011.

### **Publications**

**Chowdhary, R. 2010.** *Vikasatmak Manovigyan*, Naman Prakashan, New Delhi

**Singh, A.P. 2010.** *Social and Human Development*, New Royal Book Company, Lucknow.

**2010.** *Handbook of Field Work Practice Learning in Social Work*, New Royal Book Company, Lucknow.

**Mohd. Shahid, 2010.** *Beyond Contraceptives: Demystifying Family Planning Dynamics in UP*, New Delhi: Alter Note Press,

**Mishra, O. 2010.** *Ambedker Ke Desh Mein*, Delhi: Manish Publication.

**2010.** *Adhunik Hindi Nibandh*, Vol. 1, Delhi: Manish Publication.

### *Research Articles*

**Arora, G.K. 2010.** 'Popularizing Cooperative Model of Development Amongst Youth: Some Important Issues' *Indian Cooperative Review*, Vol. 47, No. 4.

**Anand, M. 2010.** 'Practicing Social Work in Schools: Reflections from Delhi', in an International journal, *Practice: Social Work in Action*, Vol. 22, Issue 4, University of Edinburgh, UK.

## **BHAGINI NIVEDITA COLLEGE**

### **Library Development**

Total Budget	:	₹ 3,39,769.00
Books added	:	823
Journals subscribed to	:	52

### **Seminars/Conferences attended**

**Mr. Vikas Chaudhary:** Presented a paper entitled 'Watermarking of Grayscale Images in DCT Domain using Least-Squares Support Vector Regression' in the 3rd International Conference on Machine Learning and Computing (ICMLC 2011), Singapore, 26-28 Feb. 2011.

**Dr. Charru Sharma:** Presented a paper entitled 'Appreciating Diversity among Children in the Primary School Classrooms' and conducted a Workshop at the 7<sup>th</sup> World Congress of IDEA 2010, Brazil, 17-25 July 2010.

**Dr. Charru Sharma:** Presented a paper entitled 'Creative Drama for Human Development: An Indian Experience' at the Cultural Performances International Symposium, Brazil, 28-29 July 2010.

**Dr. Alokka Dutta:** Presented a paper entitled 'Understanding Korean Political Culture' at a two day International Conference organized by the Department of East Asian Studies, University of Delhi, 18-19 February 2011.

Presented a paper entitled 'Media and Politics' in the International Seminar on Role of Media in Globalized World held in PGDAV College, University of Delhi, 24-25 February 2011.

Presented a paper entitled 'Status of Older People and Sustainable Development in India' at a National Seminar organized by ICSSR at JNU, 7-8 October 2010.

**Dr. Charru Sharma:** Presented a paper entitled 'Enhancing Creativity among Children through Creative Drama: Going Praxis in Primary Schools' at the International Conference on Mind, Culture and Human Activities, JNU, 12-15 December 2010.

**Dr. Raj Bhardwaj:** Presented a paper entitled '*Prayogdharmi kavi Agyeya ki Prasangikta*', at a National Seminar on 'Agyeya: Prabhav Aur Prasangikta' organized by R.G. (PG) College, Meerut, 19 February 2011.

**Dr. Geeta Kaushik:** Presented a paper entitled 'Agyeya Karit Sekhar ek Jiواني ki Prasangikta', at a National Seminar on 'Agyeya: Prabhav Aur Prasangikta' organized by R.G. (PG) College, Meerut, 19 February 2011.

**Dr. Hemvati Sharma:** Presented a paper entitled '*Kavi Agyeya aur Unki Prasangikta*', at a National Seminar on 'Agyeya: Prabhav Aur Prasangikta' organized by R.G. (PG) College, Meerut, 19 February 2011.

**Dr. Vandana:** Co-presented a paper titled 'Internet Mediation: Impact on Intercultural, Interpersonal Communication', National Seminar on Functional English held at BLJS P.G. College, Tosham, 1-2 October 2010.

## **Publications**

**Mehta, A. and Beniwal, A. 2011.** Communalism and the Poetic Imagination: A Study of Indian English Women's Poetry. *Intersections: Gender and Sexuality in Asia and the Pacific*. 25, February 2011 (Electronic Refereed Journal) ([http://Intersections.anu.edu.au/issue25\\_contents.htm](http://Intersections.anu.edu.au/issue25_contents.htm))



## BHARATI COLLEGE

### Honours/Distinctions

**Mrs. Vinay Bharadwaj:** Awarded the National Women Excellence Award 2010.

### Appointments of faculty members to higher Posts/Assignments

**Dr. Nandini Sen:** Appointed Fellow at the Indian Institute of Advanced Study, Shimla.

### Seminars/Conferences held

Bharati College, in association with IAS, Shimla and the Sahitya Academy organized a Seminar on Indian and African Women Writers titled, 'Women Writing/Writing Women'

A National Seminar was organized on 'Criticism and Environmental Praxis: An Academic Approach towards Ecological Humanism'.

### Seminars/Conferences attended

**Dr. Nandini Chaudhury Sen:** Read a paper 'The Voice of Dissent in Sufi Atta's Novels'. American Chapter of the Common Wealth Studies Conference at Cyprus, Greece.

'The Wasted Genes: A Study of Mahashweta Devi's 'Seeds' at the Chotro 3rd Conference organized by the Bhasha Research Centre and the European Chapter of ACLALS.

Presented a paper titled 'From the Margins: A Study of Mahashweta Devi and J.M. Coetzee' at International Seminar on Diaspora Studies at JNU

**Dr. Kumudini Sudhir:** Presented a paper, All India Oriental Conference at Tirupati on 'Judicial Concepts in Brihaspati Smriti' and 'The Scientific Basis of Vastu Vignyan'.

Read a paper 'Cosmic Energy and Vastu', International Conference at Banaras Hindu University.

**Dr. Anupama Mahajan and Prof. Sanjay Jain:** Presented a paper 'Code of Ethics among Indian Business Firms: A Cross Sectional Analysis of its Incidence, Role and Compliance' at an International Conference on Business Ethics and Human Values at Panjab University, Chandigarh.

Read a paper 'Ethical Values in Advertising' at an International Conference on 'Management of Environmental Risks and Uncertainties' at GGS Indraprastha University.

**Dr. Shivani Jha:** Presented a paper 'A Return to the Roots: Addressing the Environmental Crisis' at a Conference organized by the Literary Association of Nepal. Her paper 'From Evaluation to Integration: An Ecocritical Study of Human Growth and Development' was presented at the International Conference on 'Science, Spirituality and Humanity: Transcending Disciplinary Barriers' organized by Shivaji College, DU.

**Ms. Deepti Srivastav:** Presented a paper titled 'Reinvigorating Relations through Nuclear Co-operation' and paper titled 'Corruption as a Factor in the Crisis of Governance in India' at the National Seminar on Ethical Dimensions of Business' organized by Shyamlal College, International Seminar on 'Canada-India Relations' organized by the Banaras Hindu University

**Ms. Nidhi Shukla:** Read a paper titled 'Future – History, Culture and Environment in Australia and India', International Seminar on 'Depletion of Mangrove Forests in India and Australia' organized by the ISAER at Kolkata.

### **Publications**

**Chaudhury, N.S.** 'Women and War', *Africa Quarterly*, Vol. 51.

**Bharadwaj, V.** *Manavadhikar: Ek Parichay*. Delhi: Raj Kamal Publications.

**Bhatia, S.** 'Call to Youth' in *The Life and Ideas of Bhagat Singh*, Vir Singh (ed.)

Europe mei rudhiwadi pratikriya – Vienna Congress in *Adhunik Europe Ka Itihas*, Devesh Vijay (ed.)

**Srivastava, D. 2010.** Nuclear Fuel and Emerging Dynamics of Kazhakistan - India Relations, *Mainstream*.

**Jain, S. and Mitrachi, G.** A Psychoanalytic Study'. *Modern Indian Drama*. Delhi: OUP.

## **COLLEGE OF VOCATIONAL STUDIES**

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Bhavna Arora	B.A. (VS) MMI	I

### **Library Development**

Total Budget	:	₹ 7,00,000.00
Books added	:	1,574
Journals subscribed	:	65

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

**Dr. Harjendra Choudhary:** Appointed Visiting Professor Osaka University, Japan.

**Dr. Pratap Mohanty:** Appointed Consultant, IIFT, New Delhi.

**Dr. Pradeep Bishwas:** Appointed Scientist IV in INSTDS, New Delhi.

### **Honours/Distinctions**

**Dr. Inder Jeet:** Honoured with 'Amity Excellence Award for outstanding contribution in Education' by Amity International Business School.

**Dr. Prem Janmejaya:** Awarded Prestigious 'Niranjan Nath Samman' at Raj Saumud and Hindi Urdu Samman at Lucknow for his contribution in the field of Satire.

Presided over the inaugural session of Seminar on Hindi satire at Rajasthan Academy, Kota.

Editor of ICCR's Journal, Gaganachal.

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

National Seminar on 'Kavita Ki Parshangikta' Sandarbh Agnai, Kedar Nath Aggrwal, Samsher & Nagaarjun'Sponsored by UGC.

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

**Dr. Inder Jeet:** Attended International Conference and Workshop on Emerging directions on Global Education at India Habit Centre, 6-8 March 2011.

'Indo European Conference on quality assurance in higher education'University of Delhi.

**Dr. Inder Jeet:** Co-chaired a session of National Conference organized by H.N.B. Central University, UK. He chaired and delivered Key note address on Changing Role of HRM in Globalized World at LLDIMS, GGSIP University.

**Dr. Kumar Ashutosh:** Attended International Conference on 'Tourism Promotion' at Victoria University Wellington, New Zealand.

**Dr. Veenu Bhalla:** Attended National Conference on Global Media aur Hindi Patrikarita at PGDAV, University of Delhi.

**Mr. R.K. Chopra:** Bouncing of Cheques. Paper presented in National Seminar on Financial Sector Reforms in India. SBS College, Delhi University, 2011.

**Mr. Ashutosh Kumar:** Paper presented Role of HRD in promotion of Tourism in International Conference, Waikato University, New Zealand, 2010.

**Ms. Veenu Bhalla:** Paper presented Hindi Sahayata Ka Itihash: Mulyankan Aur Punarlakhan in National Seminar at Dyal Singh College, Karnal, 2010.

**Mr. Prem Janmejaya:** Paper presented on 'Hindi teaching' at International Conference Birmingham, Nottinghamshire & London, 2011.

**Mr. Raman Kumar:** Paper presented 'Women as Managers', National Seminar at Ambedkar College, Delhi University, 2011.

**Ms. Rekha Rani:** Paper presented 'Empirical Study of Green Marketing in NCR Area', National Seminar at Bharti Vidyapeeth, New Delhi, 2011.

## COLLEGE OF ART

### Major Activities

Newly admitted students of BFA and MFA were welcomed to the College to attend the 'Induction Ceremony' along with their parents to meet the Faculty, Staff and students on 25th July, 2010.

Samitha Annual National Level Seminar cum Workshop was hosted by the College from 25-30 October, 2010.

The 'Graduate Show' Padmashri Shri Manu Parekh, Eminent Artist inaugurated the event on 30<sup>th</sup> November, 2010, which continued upto the 3<sup>rd</sup> December, 2010. The groupshow carried the works of the batches of BFA and MFA who received their Degrees in the Convocation Ceremony on Friday, 3<sup>rd</sup> December, 2010.

Annual art exhibition the Exhibition selected works of BFA and MFA students) was inaugurated by Dr. Kiran Walia, Hon'ble Minister for Social Welfare, Women and Child Developments & Languages, Govt. of NCT of Delhi on 9-11 March, 2011. Shri Anand Prakash, IAS, Principal Secretary, DTTE, Shri Ved Nayar and Smt. Gogi Sarojpal, eminent Artists and Dr. Anupam Mahajan, Dean, Faculty of Music & Fine Arts, University of Delhi were the guests of Honour.

### Ph.D. degree awarded

Ph.D. - 1

## DAULAT RAM COLLEGE

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Rodrigue Harshani	B.A (Hons) Music	I
Ms. Poorva Mehra	B.A. (Hons) Psychology	I
Ms. Shweta Sahani	B.Sc. (Hons.) Bio-Chem	I
Ms. Neetu Sain	B.Sc. (Hons.) Bio-chem	II
Ms. Bhavya Rajpal	B.A. (Hons.) Psychology	III
Ms. Chetna Gupta	B.A. (Hons.) Philosophy	III
Ms. Sudeept Ranjan	B.Sc. (Hons.) Bio-chem	III

### Special Grants/Assistance/Projects

The College has been selected for 'Star College Award' project by the Department of Biotechnology, Government of India and has got a special grant of ₹ 28,00,000/-.

### **Library Development**

Total Budget	:	₹ 12,42,950/- recurring grant and ' 5 lakh as OBC grant.
Titles were added	:	2,273
Journals subscribed to	:	49

### **Seminars/Conferences attended**

**Dr. Gayatri Prakash** : Presented a paper in International Conference on Women Scientists in Changing World on 'Women and Care of the Earth', Beijing, China, 27-30 June 2010.

**Dr. Manisha Jaiswal**: Participated in National Conference on 'Changing headwinds in the Global Financial Landscape' organized by Department of Financial Studies at Hotel Imperial, Janpath, New Delhi, 18 September 2010.

Participated in National Conference on 'Indian Financial Sector: Thrust and Challenges': organized by Department of Financial Studies, 30 October 2010.

Participated in National Workshop on 'Data Analysis using SSS' organized by Department of Commerce, KM College, 13 November 2010.

Participated in National Conference on 'Issues in International Trade during post Globalization Era' organized by Shri Ram College of Commerce, 19-20 November 2010.

Participated in National Conference on 'Financial Sector Reform: A Road Ahead' organized by SBS College of Business Studies, 21-22 January 2011.

## **DELHI INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH**

### **Library Development**

Total Budget	:	₹ 11.63 Lacs
Books added	:	66
Journals subscribed	:	19

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

**Prof. B.P. Srinivasan**: Appointed as Zonal Co-ordinator for Delhi Zone for GPAT examination, 8 May 2011 under the aegis of AICTE.

### **Seminars/Conferences held**

DIPSAR in collaboration with Analytical Instruments Consortium organized a 'National Seminar on Microwave Synthesis' at G.K. Narayanan Auditorium, DIPSAR, 16 December 2010.

A Conference on Clinical Research and Pharmacovigilance, organized at DIPSAR, New Delhi, 10 February 2011.

## **Seminars/Conferences attended**

**S.K. Gupta, Binit Kumar, B.P. Srinivasan, Sushma Srivastava and T.C. Nag:** 'Hesperetin protects diabetic retinopathy through its Antioxidant, Anti-inflammatory and Anti-angiogenic pathways in STZ-Induced Diabetic Rats', Asia Pacific Academy of Ophthalmological Congress Sydney 2011 Congress, Darling Harbour, Sydney, Australia, 20-24 March 2011.

**S.S. Agrawal:** H2 - Receptor Antagonists as Anti-fertility Agents in EPS - Global First International Biomedicine Forum Programme, Shanghai, China, 10-11 September 2010.

Evaluation of strychnine a plant alkaloid for in-vitro anti-angiogenesis, apoptosis and antioxidant potential in MCF-7 cells in EROTC-NCI-AACR Symposium 'Molecular Targets and Cancer Therapies' Berlin, Germany.

**S.K. Gupta, G. Niranjana, S. Srivastava, S.S. Agrawal and R. Saxena:** Intra-Ocular Pressure (IOP) lowering activity of polyherbal formulation in experimental models of glaucoma in Asia Pacific Academy of Ophthalmological Congress, Sydney, Australia.

**S.K. Gupta, S. Kumar, R. Agarwal, S. Srivastava and S.S. Agrawal: 2010.** Curcumin prevents retinal oxidative stress and delays the onset and progression of retinal vascular changes in experimental diabetes in 24th Annual Scientific Meeting of Malaysian Society of Pharmacology and Physiology, Malaysia.

**Prof. B.P. Srinivasan:** Attended International Conference on Pharmacology and Translational Research held at Hyderabad, December 2010.

**Mrs. Amrita Parle:** Attended International Conference on Pharmacovigilance and rational Use of Medicines: An Integrated Approach held at LHMC, Delhi, 26-28 November 2010.

Attended International Conference on 'Patient Safety' organized at AIIMS, New Delhi, October 2010.

**Prof. B.P. Srinivasan and Prof. S.S. Agrawal:** Attended National Symposium on 'Epilepsy: Recent Advances in Drug Discovery and Treatment' held in Department of Pharmacology, Jamia Hamdard, New Delhi.

**Prof. D.P. Pathak:** Attended National Seminar on 'Recent trends in Pharmacy Education and Practice' organized by PCI at Vigyan Bhawan, New Delhi, 9-10 July 2010.

**Dr. D.K. Majumdar:** Attended XVII Ranbaxy Science Foundation Symposium on 'New Frontiers in Drug Design, Discovery and Development' at NII, New Delhi, 11 February 2011.

## **Publications**

### *Books*

**Agrawal, S.S., Keshari, M.K. and Gupta, M. 2011.** (4th Edition). GPAT- Made Easy. New Delhi: Ahuja Publishing House.

**Sharma, A.K., Munajjam, A., Vaishnav, B., Sharma, K. Kishore, Sharma, A., Sharma, A., Sharma, D., Kumari, R., Tiwari, A., Srinivasan, B.P. and Agarwal, S.S. 2011.** Remote preconditioning by aortic constriction: Does it afford cardioprotection similar to classical or other remote ischaemic preconditioning? Role of inducible nitric oxide synthase. *CVD Prevention and Control*, 6, 15-33.

**Kirana, H. and Srinivasan, B.P. 2010.** 'Aqueous extract of *Garcinia indica* choisy restores glutathione in type-2 diabetic rats'. *Journal of Young Pharmacists*. 2: 265-8.

**Seerapu, S. and Srinivasan, B.P. 2010.** 'Development and Validation of RP-HPLC Method for the Estimation of Ivabradine Hydrochloride in Tablets'. *Indian Journal of Pharmaceutical Sciences*. 72: 667-71.

**Rao, R.P., Jain, A.K. and Srinivasan, B.P. 2011.** 'Dual therapy versus monotherapy of trandolapril and telmisartan on diabetic nephropathy in experimentally induced type 2 diabetes mellitus rats'. *Journal of Renin-Angiotensin-Aldosterone System*. XX: 1-7.

**Kirana, H., Jali, M.V. and Srinivasan, B.P. 2011.** 'The study of aqueous extract of *Ficus religiosa* Linn. on cytokine TNF- $\alpha$  in type 2 diabetic rats'. *Pharmacognosy Research*. 3: 30-4.

**Agrawal, S.S. 2010.** 'Quality improvement programme (QIP) in Pharmacy (AICTE): An overview of achievements. 2010'. *Indian Journal of Pharm. Educ. Res.* 44: 197-205.

**Agrawal, S.S. and Jose, M.A. 2010.** 'Roxatidine, an H<sub>2</sub> Receptor Bloker, is an Estrogenic Compound-Experimental Evidence'. *Systems Biology in Reproductive Medicine*. 56: 286-91.

**Agrawal, S.S. and Sibi, P.I. 2010.** Role of cytokines in anti-implantation activity of H<sub>2</sub> receptor blockers in albino wistar rats, *Immunopharmacology and Immunotoxicology*. 32: 92-8.

**Agrawal, S.S. and Ittiyavirah, S.P. 2010.** 'Effect of intra - uterine injection of H<sub>2</sub> blockers on implantation in albino Wistar rats'. *Journal of Pharmacy and Pharmacology*. 4: 735-44.

**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: 155-61.

**Agrawal, S.S. and Balamurugan, M. 2010.** 'High performance thin layer chromatographic method for estimation of Lisinoril in rat plasma', *The Pharmacist*. 5: 35-8.

**Gupta, S.K., Kumar, B., Nag, T.C., Agrawal, S.S., Agarwal, R., Agarwal, P., Saxena, R. and Srivastava, S. 2011.** 'Curcumin prevents the onset and progression of experimental diabetic retinopathy in rats through its hypoglycemic, antioxidant and anti-inflammatory mechanisms'. *J. Ocul Pharmacol Ther.* DOI:10.1089/jop.2010: 0123.



- Agrawal, S.S., Gupta, S.K., Srivastava, S., Saxena, R. and Kalaiselvan. 2010.** 'Evaluation of anticataract potential of Triphala in selenite-induced cataract: In vitro and in vivo studies', *Journal of Ayurveda and Integrative Medicine*. 1(4).
- Agrawal, S.S. and Chahal, H.S. 2010.** 'Safety evaluation of *Gymnema sylvestre* and *Terminalia bellerica*'. *International Journal of Green Pharmacy*. 30-2.
- Agrawal, S.S. and Aggarawal, A. 2010.** 'Randomised, cross-over, comparative bioavailability trial of matrix type transdermal drug delivery system (TDDS) of carvedilol and hydrochlorothiazide combination in healthy human volunteers: A pilot study'. *Contemporary clinical trials*. 00444: 1-7.
- Agrawal, S.S. and Ray, R.S.** 'Nicotine content detected in various dant manjan and tooth powders'. *Communicated*.
- Agrawal, S.S. 2011.** Cytotoxic and antitumour effects of brucine on Ehrlich ascite tumour and human cancer cell line. Accepted in Lifescience (Manuscript No. LFS-D-10-01006R1).
- Agrawal, S.S., Kumar, R. and Bansal, S. 2011.** 'Lead and arsenic content in cosmetic products sold in various parts of NCR Delhi'. *Communicated*.
- Ahuja, M., Dhake, A.S., Sharma, S.K. and Majumdar, D.K. 2011.** 'Diclofenac-loaded Eudragit S100 nanosuspension for ophthalmic delivery'. *J. Microencapsul*. 28(1): 37-45.
- Vijay, S., Sati, O.P. and Majumdar, D.K. 2011.** 'Acrylic acid-methyl methacrylate (2.5:7.5/2:8) enteric copolymer for colon targeted drug delivery'. *J. Mater Sci Mater Med*. 22(1): 125-35.
- Kaithwas, G., Sharma, S.S. and Majumdar, D.K. 2010.** 'Abattoir-sourced isolated ileum from *Gallus gallus domesticus* as an experimental tool'. *Altern Lab. Anim*. 38(5): 361-6.
- Kaithwas, G., Mukerjee, A., Kumar, P. and Majumdar, D.K. 2011.** 'Linum usitatissimum (linseed/flaxseed) fixed oil: antimicrobial activity and efficacy in bovine mastitis'. *Inflammopharmacology*. 19(1): 45-52.
- Thakral, N.K., Ray, A.R. and Majumdar, D.K. 2010.** 'Eudragit S-100 entrapped chitosan microspheres of valdecoxib for colon cancer'. *J. Mater Sci Mater Med*. 21(9): 2691-9.
- Vijay, S., Sati, O.P. and Majumdar, D.K. 2010.** 'Acrylic acid-methyl methacrylate copolymer for oral prolonged drug release'. *J. Mater Sci Mater Med*. 21(9): 2583-92.
- Kaithwas, G. and Majumdar, D.K. 2010.** 'Evaluation of antiulcer and antisecretory potential of *Linum usitatissimum* (Flaxseed or Linseed) fixed oil and possible mechanism of action'. *Inflammopharmacology*. 18(3): 137-45.
- 2010.** 'Therapeutic effect of *Linum usitatissimum* (flaxseed/linseed) fixed oil on acute and chronic arthritic models in albino rats'. *Inflammopharmacology*. 18(3): 127-36.

- Suman, S. and Chauhan, M.K. 2011.** 'Asymmetric Membranes Capsule: New prospects in osmotic delivery'. *International Journal of Drug Delivery*. 3:185-93.
- Sheer, A. and Chauhan, M.K. 2011.** 'Ethosomes as vesicular carrier for enhanced transdermal delivery of Ketoconazole-Formulation and evaluation'. *Journal of Pharmaceutics and Cosmetology*. 1(3): 1-14.
- Maharana, M., Kawadkar, J. and Chauhan, M.K. 2011.** 'Nanobiotechnology: Application of nanotechnology in Diagnosis, Drug Discovery, and Development, A Review'. *Asian Journal of Pharmaceutical and Clinical Research*. 4(1): 23-8.
- 2010.** 'Effect of Process Variables on Size Distribution of AlCl<sub>3</sub> Cross-linked Sodium Alginate Microspheres'. *Journal of Pharmacy Research*. 3(12): 2879-83.
- Kawadkar, J. and Chauhan, M.K. 2010.** 'Evaluation of Potential of Zn-pectinate gel (ZPG) Microparticles Containing Mesalazine for Colonic Drug Delivery'. *DARU*. 18(3): 211-20.
- 2010.** 'The Potential of Thiolated Polymers for Peptide Drug Delivery, A Review'. *International Journal of Pharmaceutical Biological Archives*. 1(3): 209-18.
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- Agnihotri, S. and Wakode S.R. 2010.** 'An overview on anti-inflammatory properties and chemo-profiles of plants used in traditional medicine, A Review'. *Indian Journal of Natural Products and Resources*. 1(2): 150--67.
- Agnihotri, S. and Wakode, S.R. 2010.** 'Antimicrobial Activity of Essential Oil and Various Extracts of Fruits of Greater Cardamom'. *Indian Journal of Pharmaceutical Sciences*. 75(5): 657-59.

**Agnihotri, S. and Wakode, S.R. 2010.** 'Antimicrobial potential of *Adhatoda vasica* (L.) Nees, Short Communication'. *Indian Drugs*. 47(9): 61-4.

**Gupta, J., Kanojia, G., Yadav, V. and Wakode, S.R. 2010.** 'Development and validation of a UV spectrophotometric method for the estimation of torsemide in bulk and in tablet dosage form'. *J. Chem. Pharm. Res.* 2(4): 513-17.

## DEEN DAYAL UPADHYAYA COLLEGE

### Major Activities

The Department of Business Studies organized its Annual Convention titled 'Tracking the Trends, a Corporate Enigma' which was inaugurated by the Hon'ble Chief Minister of Delhi, Smt. Sheila Dikshit and Prof. Dinesh Singh, Vice-Chancellor, University of Delhi at Hotel Le Meridien.

The college also started the Model United Nations Club (MUN Club) and organized A G20 – Model UN Summit during the Annual Fest. The dramatics club Yavanika produced a play 'Soi Subah Ki Khoi Dastan' which depicted the inadequacies and predicaments of the present education system.

### New Courses Introduced

B.Sc. (Hons.) Chemistry

B.Sc. (Hons.) Botany

B.Sc. (Hons.) Zoology

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Preeti	B.Sc. (Hons.) Physics	II
Varsha Gupta	PGDCA	II
Sneh	PGDCA	III
Pawan Kumar	B.Sc. (Hons.) Electronics	III
Roopsee Mehan	B.Sc. Appl. Phy. Sc.	III

### Special Grants/Assistance/Projects

College received a Special Grant of Rs. 17.30 lakhs under Merged Scheme and ₹ 5 lakhs under Development Assistance from UGC under UGC XI Plan.

Non-Recurring Grant of ₹ 90 lakhs for purchase of equipments, upgradation of office and other departments from the Govt. of NCT of Delhi.

**Dr. Manoj Saxena Manoj:** Co-project Investigator in a DRDO sponsored Project entitled Physics Based Modeling and Simulation of Sub-100 nm recessed channel (RC) and insulated shallow extension (ISE) MOSFET.

## Library Development

Total Budget	:	₹ 17,00,000/-
Books added	:	2979
Journals subscribed	:	60

## Honours/Distinctions

**Dr. S.K. Garg:** Conferred with 'Amity Excellence Award for Outstanding Contribution in the Field of Education' by Amity University, Noida.

**Dr. Deepak Jain:** Recognized Meritorious Teacher by the Govt. of NCT of Delhi, based on evaluation comprising of Student Evaluation, Result Evaluation, Self Appraisal and Evaluation by the Principal. He will get a Cash Award of Rs. 75,000/- along with a Certificate in a function to be organized by the Govt. of NCT of Delhi.

**Dr. Anek Goel:** Worked on deputation as Director (Venue Operations) in the Commonwealth Games, Delhi – 2010.

**Ms. Renu Aggarwal and Ms. Poonam Garg:** Awarded the degree of Doctor of Philosophy by the University of Delhi.

**Dr. Manoj Saxena:** Reviewer of Journal of Physics D: Applied Physics, Institute of Physics (IOP) Semiconductor Science Technology, Institute of Physics (IOP)), Journal of Electrical and Electronics Engineering Research (JEEER), MAPAN-Journal of Metrology Society of India, International Journal of Science and Technology Education Research, 8th International

Conference on Computing, Communications and Control Technologies : CCCT 2010, Jointly with the 16th International Conference on Information Systems Analysis and Synthesis: ISAS 2010, In the Context of The International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC 2010, 6-9 April 2010 Orlando, Florida USA, National Conference on Recent Trends in Exotic materials (NCRTEM 10), Sharda University Greater Noida, 7<sup>th</sup> International Conference on Distributed Computing and Internet Technologies (ICDCIT-2011), Bhubaneswar, 9-12 February 2011.

Expert Member - Directory of researchers working in the country in the area of Nano Science and Technology, Nano Mission, Department of Science and Technology, Govt. of India.

## Seminars/Conferences held

Second National Workshop on *Recent Trends in Semiconductor Devices and Technology*, jointly organized by FiDAS, Deen Dayal Upadhyaya College, University of Delhi and IEEE EDS Delhi Chapter, New Delhi, supported by DRDO, Govt of India and Integrated Microsystem, Gurgaon, 17-18 September 2010.

Second National Workshop on Quantum Mechanics: Theory and Application Organized by FiDAS, Deen Dayal Upadhyaya College, University of Delhi, sponsored by CSIR, Govt of India and supported by IEEE EDS Delhi Chapter, New Delhi and The National Academy of Sciences, India, - Delhi Chapter 22-23, and 29-30 October 2010.

First National Workshop on Numerical Methods and Differential Equations in Computational Science, Organized by FIDAS, DDU College, Sponsored and Supported by UGC, 1-5 February 2011.

### **Seminars/Conferences attended**

**Dr. R.M. Bhardwaj:** Chaired the Session 'Reflections on Historical Narratives (India)' in the XX IAHR Quinquennial World Congress of the International Association for the History of Religions on 'Religion-A Human Phenomenon', Toronto, Canada, 15-21 August 2010.

**Dr. S.K. Garg, Dr. Nisha Rana and Dr. V.K. Gautam:** Attended a Indo-European Conference on 'Quality Assurance in Higher Education' organized by University of Delhi on 6-7 May 2010.

**Dr. Anurag Mishra:** Delivered an Invited Talk on Soft Computing Tools for Digital Image Watermarking at Computer Society of India (CSI) sponsored International Conference on Reliability, Infocom Technology and Optimization (ICRITO 2010) held at Lingaya's University, Faridabad, 1-3 November 2010.

**Dr. Manoj Saxena:** Member for The Seventh International Conference on Distributed Computing and Internet Technology, Bhubaneswar, 9-12 February 2011.

**Dr. V.K. Gautam:** National Seminar on 'Role of Analytical Techniques in Biological & Environmental Sciences' organized by Kirori Mal College, University of Delhi, 27-29 January 2011.

**Dr. Veena Jain:** Attended a National Conference on Sustainable Management of E-Waste organized by Bhaskaracharya College of Applied Sciences, University of Delhi, 14-15 Dec. 2010.

**Dr. Yogeita Mehra:** Presented a paper at 13<sup>th</sup> Conference on Money and Finance at IGIDR, Mumbai.

**Mr. Aggarwal Sikander,** Administrative Officer, attended a Training Programme on Educational Administration, University Management, Accounts & Finance etc. conducted by Human Resource Development Cell of the University of Delhi at the Institute of Lifelong Learning, University of Delhi, 11 May-4 June 2010.

### **Publications**

**Bhardwaj, R.M. 2010.** 'The Methods and the Stages of the Preservation of Scriptures in Ancient India: Oral Tradition' in Dipti S. Tripathi (ed.), *Tattvabodha*, Volume III, National Mission for Manuscripts-Indira Gandhi National Centre for the Arts, New Delhi, pp. 87-108. (ISBN 978-81-904029-3-4 Vol. III).

**2010.** 'The Vratas and the Women : A Literary Enquiry into the Position of Women in the Vrata System of Brahmanical Religion:5<sup>th</sup>-12<sup>th</sup> Centuries A.D.', *Anusandhanika*, Vol. VIII, Number II, PP.1-7. ( ISSN 0974-200X).

**Kumar, R. and Dhankar, R.S. 2011.** 'Distribution of Risk and Return in Indian Stock Market--A Test of Normality' *South Asian Journal of Management*, Vol. 18 (1).

**Singh, H., Kumar, S. and Arora, C.K. 2010.** 'Emerging Paradigms of E-Supply Chain Collaboration', *Journal of Global Information and Business Strategy*, Vol. 2, Number 1, January-December, pp.71-83.

**Yogeita, M.** Presented a Paper titled 'Operational Risk Management in Indian Banks : Evaluation of Applicability of the RCSA method under Advanced Measurement Approach' published in *Indian Journal of Finance*, Vol. 4, No. 11, Nov., 2010 (ISSN No.: 0973-8711).

**Goel, S., Sharma, A. and Panchal, V.K.** 'Biogeography Based Optimization, an Evolutionary Technique or a Swarm Based Approach', 5<sup>th</sup> International Multi Conference on Intelligent Systems, Sustainable New and Renewable Energy Technology and Nanotechnology, pp. 220-225.

**2011.** 'A hybrid algorithm for Satellite Image Classification', *Advances in Computing, Communication and Control, Communications in Computer and Information Science*, Vol. 125, Part 2, 328-334, Springer.

**Gaur, V. and Anuja, S.** An Integrated Approach to Prioritize Requirements using Fuzzy Decision Making, August, 2010, IACSIT *International Journal of Engineering and Technology*, Vol. 2, No. 4, ISSN: 1793-8244.

#### *Books*

**Chhabra, T.N. 2011.** *Industrial Management*, (1<sup>st</sup> Edn) New Delhi: Sun India Publications, pp. 324.

*Management Process and Organizational Behaviour*, (1<sup>st</sup> Edn) pp. 532. New Delhi: Sun India Publications.

#### *Communication to Symposia/Seminars/Conferences*

**Bhardwaj, R.M.** 'Acculturation of the Tribals in North India during the British Colonial Period : An Ethnographic perspective', Paper presented at XXth I.A.H.R Quinquennial World Congress of the International Association for the History of Religions, on 'Religion-A Human Phenomenon', Toronto, Canada, 15-21 August 2010.

**Kumar, R.** Presented a paper entitled 'International Oil Price Volatility and World Equity Markets' Behaviour-An International Evidence' at International Conference on Empirical Issues in International Trade & Finance at IIFT, New Delhi, 16-17 December 2010.



**Kumar, R. and Dhankar, R.S. 2011.** 'Non Linearity and Heteroskedasticity Effect on Stock Returns Volatility: A Case of U.S. Stock Market', *Global Business Review*, Vol. 12 (2).

**Kumar, S.** Presented a paper titled 'Post-Acquisition Companies Performance: Empirical Analysis' at International Conference on Evolving Frontiers: Business-Society-Nation Interfaces organized by Indus Business Academy, Bengaluru, 10-12 March 2011.

**Gautam, V.K. and Gautam, N. 2010.** Differentiation of multiple roots and shoots in callus cultures of *Antirrhinum majus* L. 12<sup>th</sup> IABP Congress, St. Louis, Missouri, US., pp. 234.

Role of women in minimizing harmful effects of climatic changes in India at the proceedings of National Conference on Environment Management and Challenges for Sustainable Development, Mumbai, pp. 53, 2-3 February 2011.

Some effects of environment degradation in Delhi and adjacent areas and possible measures to control at the proceedings of National Conference on Environment Management and Challenges for Sustainable Development, Mumbai, pp. 54, 2-3 February 2011.

Management of Pollution using Plant Biotechnological approach, National Conference on Ecology and Environment Management Indian Scenario, 24-26 February 2011.

**Agarwal, C. and Mishra, A.** A Novel Image Watermarking Technique Using Fuzzy-BP Networks at the proceedings of Sixth IEEE International Conference on Intelligent Data Hiding and Multimedia Signal processing (IIH-MSP-2010) held at Darmstadt, Germany, 15-17 October 2010.

**Mehta, R., Mishra, A., Singh, R.P. and Rajpal, N.** Digital Image Watermarking in DCT Domain Using Finite Newton Support Vector Regression at the proceedings of Sixth IEEE International Conference on Intelligent Data Hiding and Multimedia Signal processing (IIH-MSP-2010) held at Darmstadt, Germany, 15-17 October 2010.

**Chaudhry, V., Mishra, A., Mehta, R., Singh, R.P. and Rajpal, N.** Watermarking of Grayscale Images in DCT Domain Using Least-Squares Support Vector Regression, published in proceedings of the Third IEEE International Conference on Machine Learning and Computing (ICMLC 2011) in Singapore, 26-28 February 2011.

**Kumari, V., Saxena, M., Gupta, R.S. and Gupta, M.** Effect of temperature variation on various parameters in Insulated Shallow Extension Silicon On Nothing (ISE-SON) MOSFET: A simulation study, National Conference and Workshop on Recent Advances in Modern Communication Systems and Nanotechnology (NCMCN – 2011), 6-8 January 2011.

**Narang, R., Saxena, M., Gupta, R. S. and Gupta, M.** Performance Comparison of Silicon and SiGe based Double Gate Tunneling Field Effect Transistor with gate stack architecture, National Conference and Workshop on Recent Advances in Modern Communication Systems and Nanotechnology (NCMCN – 2011), 6-8 January 2011.

**Gautam, R., Saxena, M., Gupta, R.S. and Gupta, M.** Impact of Localised Charges on the performance of the Si Nanowire Surrounding Gate MOSFET, National Conference and Workshop on Recent Advances in Modern Communication Systems and Nanotechnology (NCMCN – 2011), 6-8 January 2011.

**Kumari, V., Saxena, M., Gupta, R.S. and Gupta, M.** Simulation Study of Stack Gate Insulated Shallow Extension Silicon On Nothing ISE-SON MOSFET for RFICs design, 2011 IEEE Students' Technology Symposium held at IIT Kharagpur, 14-16 January 2011.

**Gautam, R., Saxena, M., Gupta, R.S. and Gupta, M.** 'A Unified Two Dimensional Analytical Model of optically Controlled Silicon On Insulator MESFET ( OPSOI ) for advanced channel materials', The International Conference on Fiber Optics and Photonics – PHOTONICS, IIT Guwahati, 11-15 December 2010.

**Mahajan, G., Narang, R., Saxena, M. and Chaubey, V.K.** 'A 2-D Subthreshold Analytical model for Short Channel Effects in Nanowire MOSFETs (Si, Ge)', Nirma University International Conference on Engineering (NUiCONE) 2010, Nirma University, Ahmedabad, 9-11 December 2010.

**Singh, K. and Saxena, M.** 'Fabrication and Time degradation study of mercuric iodide (Red) single crystal X-Ray detector, International Symposium on Semiconductor Materials and Devices (ISSMD), M.S. University Vadodara, Gujarat, 28-30 January 2011.

**Narang, R., Saxena, M., Gupta, R.S. and Gupta, M.** Modeling and Simulation of multi layer gate dielectric Double Gate Tunnel Field-Effect Transistor (DG-TFET), 2011 IEEE Students' Technology Symposium at IIT Kharagpur, 14-16 January 2011.

**Gautam, R., Saxena, M., Gupta, R.S. and Gupta, M.** Analysis and Simulation of Si/ GaAs/GaN MESFET to study the impact of Localised charges on device performance, 2011 IEEE Students' Technology Symposium at IIT Kharagpur, 14-16 January 2011.

**Mahajan, G., Narang, R., Saxena, M. and Chaubey, V.K.** Mixedmode Circuit Simulation of Silicon and Germanium Nanowire MOSFETs - A Comparative Study, 2011 IEEE Students' Technology Symposium at IIT Kharagpur, 14-16 January 2011.

## **DELHI COLLEGE OF ARTS & COMMERCE**

### **Major Activities**

Around 65 students from the college have been placed under Job Placement Cell and offered attractive pay packages by renowned National and multi-National companies like Futures First, Google, Deloitte, Haskins and Sells, KPMG, Capital IQ, Genpact, IBM, Wipro, India Bulls Power limited, Protriviti, Flour Daniel, Cains Analytics and Facebook when visited the College campus.

In 2010 DCAC offered Add-on Certificate Courses in Spanish, German and French language for the 5<sup>th</sup> year in succession. The Advanced Diploma Course in Spanish was also offered to the students of Diploma Course in the language. Furthermore, Add-on Certificate Courses in Japanese and Korean language were also introduced in 2010.

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Manas Srivastav	B.A. (Hons.) History	I
Abhishek Tyagi	B.A. (Hons.) Journalism	III

### **Special Grants/Assistance/Projects**

*Awarded to the college*

Infrastructural expansion etc.: ₹ 5.88 crore for OBC

### **Library Development**

Total Budget	:	₹ 5,19,301/-
Books added	:	933
Journals subscribed to	:	28

### **Seminars/ Conferences held**

The college organized a UGC sponsored National Seminar on 'Changing Dynamics of Governance: A Road Ahead', 23-25 March 2011.

### **Seminars/Conferences attended**

**Dr. M.S. Rawat:** Presented paper at 10<sup>th</sup> International Conference on 'Emerging Global Trends and Future Challenges in Economic Development, Accounting & Finance, Information & Communication Technology, Business and Management' organized by Research Development Research Foundation, Jaipur on 22-23 January 2011.

Chaired a Session on 'Social Media for user Empowerment' at International Conference at the India International Centre, New Delhi on 15 February 2011.

Attended and participated in Workshop and International Conference on 'Shaping the Future of Indian Higher Education', at India Habitat Centre, New Delhi on 9-11 March 2011.

**Mr. I.A. Qureshi, Mr. I.C. Jain, Mr. S.P.S. Chauhan and Dr. Bijaya Thakur:** Attended a National Seminar on 'India Financial Sector: Thrust and Challenges' organized by the Department of Financial Studies in association with India Accounting Association at South Campus, October 2010.

**Mr. I.A. Qureshi, Mr. I.C. Jain, Mr. S.S.Bawa, Dr. Bijaya Thakur and Ms. Richa Bhanot:** Attended a National Conference on 'Paradigm Shift from Accounting Standards to International Financial Reporting Standards (IFRS)' organized by Shri Ram College of Commerce, in November 2010.

**Dr. V.B. Singh** et. al. 'A Generalized Reliability Growth Model for Open Source Software' published in proceedings of 2nd International Conference on Reliability Safety and Hazard, organized by Bhabha Atomic Research Center, Mumbai, pp. 523-528, published by IEEE society, USA., 14-16 December 2010.

**Dr. Shalini Saksena:** Presented a paper on 'Natural Resources Accounting' at the International Conference on Environmental Education Agra, July 2010.

**Deepti Taneja:** Presented a paper in the 93<sup>rd</sup> Annual Conference of the Indian Economic Association, held at Punjab University, December 2010.

Rapporteur in the key note session in the 93<sup>rd</sup> Annual Conference of the Indian Economics Association.

Participated and was the Conference Coordinator for the Indian delegates in the International Conference organized by International Food Policy Research Institute, Washington D.C., at Hotel Taj Palace, February 2011.

**Mr. Bir Singh:** Presented a paper entitled 'Relevance of NREGA in Open Indian Economy' at a UGC-sponsored Seminar in Venkateshwara College on September 2010.

Presented a paper entitled 'Development Cost of 'Market-Fundamentalism' Few lessons for India' at a UGC sponsored National Seminar organized by DCAC in 2011.

**Dr. Anita Bhela:** Participated and presented paper on 'Linguistic Human Rights and Mother-Tongue Education in India' at the 3<sup>rd</sup> Annual International Conference on Philology, Literatures and Linguistics, Athens, Greece, July 2010.

Participated and presented paper on Religious Narratives: Transmitters of Culture, Tradition, Values and Ideals, at International Conference on Storytelling, Memories and Identity Constructions, Mexico July 2010.

Participated and presented paper on "Teaching English to Heterogeneous Groups: Issues and Challenges" at 5<sup>th</sup> International and 41<sup>st</sup> ELTAI Annual Conference, August 2010.

Participated and presented paper on 'Clowns, Fools and Jesters in Shakespeare: A Postmodern Perspective' at UGC sponsored International Seminar on Scholars in Shakespeare: A Postmodern Scrutiny, Chandigarh, September 2010.

Participated and presented paper on 'The Cultural Implications of Translation' at International Conference on Role of Translation in Nation Building, Nationalism and Supra-Nationalism, New Delhi, December 2010.

**Dr. Devika Narula:** Presented papers 'The Feminine as Harbinger of Social Change' at the International Conference on 'Women's Memory Work: Gendered Dilemmas of Social Transformation', University of Limerick, Ireland, 24- 26 August 2010. 'Writing the Conflicts: Projections of the Other in Diasporic Literature' at the 19th Congress of International Comparative Literature Association, Seoul, Korea, 15-21 August, 2010. 'Negotiating

Patriarchal Constructs: A Study of Mridula Garg's Kathgulab and Indira Goswami's Dantal Hathir Une Khowa Howdah' at the CLAI Biennial International Conference on Social Imagination in Comparative Perspectives: Languages, Cultures and Literatures, Central University of Gujarat, Gandhi Nagar, Ahmedabad, Gujrat, 3-6 March 2011.

**Ms. Smita Banerjee:** Presented a paper 'Scandalous Love-Suchitra Uttam and Romance in Popular Bangla Cinema' at an International Conference-Architecture of Erotica-JNU November 2010.

Presented a paper entitled 'Writing the Star: The Little Magazine Discourse and Popular Bangla Cinema' at a National Workshop on Stardom JNU, November 2010.

**Ms. Renu Singh:** Presented a paper entitled 'Role of Media in Governance: A reflection through Peepli Live' at a UGC Sponsored National Seminar organized at DCAC.

**Dr. Amrit Kaur Basra:** Participated as group leader in National Seminar on 'Policy for Pro-Active and effective use of Mass Media and different Communication channels for Gender Equality and Sensitization', organized by Draupadi Trust in association with women's studies and Development Centre, DU. and India Institute of Mass Communication at IIMC, New Delhi on 5 August 2010.

Wrote and presented Report of the proceedings of International Seminar on 'Pluralistic vision Guru Granth Sahih' organized by Bhai Vir Singh Sahitya Sadan at Vigyan Bhawan and Sadan from 16 -18 December 2010.

Presented paper on 'Jat Identity: Past and Present', in International Seminar on in the Name of Honour: A Dialogue on Androcentric Matrimonial Practices and Women's subjugation in South Asia, organized by WSDC, D.U. at Centre, WSDC, DU., 16-18 February 2011

**Dr.Surbhi Dahiy:** Attended and presented a paper at an International Conference on 'Strategies and Innovation for Sustainable Development in Organization', organized by University School of Management Studies, GGSIPU, New Delhi, March, 2011.

**Dr. Anuradha Gupta:** Presented a paper entitled 'BW property and Weyl type theorem' at the 23<sup>rd</sup> International Conference on Operator Theory held at West University Timisoara, Romania, 28 June 04 July 2010.

Presented a paper entitled 'Relevance of Vedic Mathematics in the present era' at an International Conference on Science Spirituality and Humanity: 'Transcending Discipline Barriers' at New Delhi, February 2011.

**Dr. Mukesh Bagoria:** Attended International Conference on 'the Indo-European Conference Quality Assurance in Higher Education' at Conference Centre, University of Delhi, 6-7 May 2010.

Presented a paper entitled 'Training the Historical Migration of Indian to the Untied States' at the Indian History Congress at University of Delhi, Delhi May, 2010. This was subsequently published in the proceeding of the Indian History Congress 2010.

**Mr. P.C. Rathore:** Attended a National Seminar organized by Department of Library and Information Science, University of Delhi on 12 August 2010.

Attended a National Conference at Birla Institute of Management technology, Noida.

### **Publications**

**Rawat, M.S.** 'Dynamics of Public Private Partnership in Higher Education – Indian Perspective' published in the *World Journal of the Universities Forum*, Vol.3, Issue 3, Illinois U.S.A., May 2010.

'Global Holistic Approach of Higher Education Indian Perspective' published in proceedings of International Conference Internationalization of Higher Education with Special Reference to Management Education by Symbiosis International University, Pune, 2010.

'A Knowledge Management Model for Universities' virtual presentation at the Fourth World University Forum, Hong Kong, 14-16 January, 2011.

'Integrated Application of Human Resource Information System (HRIS) in Higher Education Institutions' published by Research Development Research Foundation, Jaipur, Jan, 2011.

**Kapoor, N.** 'Advertising - It's Cultural and Social Effects', for Language Literature & Culture, the Institute of Life Long Learning, University of Delhi, South Campus.

Published a Bibliography on the 'Influence of Television Advertising on Children and their Buying Response', in NICE Journal of Business, Shobhit University Publication, Vol.5, No.1, January-June, 2010.

**2010.** Published a Book-Review of 'Media Planning and Buying: Principles and Practices in the Indian Context', in NICE Journal of Business, Shobhit University Publication, Vol. 5, No.1, January-June, 2010.

**Singh, V.B.,** et. al. 'Measuring Reliability Growth of Software by Considering Fault Dependency, Debugging Time Lag Functions and Irregular Fluctuation' published in May issue, 2010 Vol. 25, No. 3 ACM SIGSOFT, NY, USA.

et. al. 'A Reliability Growth Model for Object Oriented Software Developed under Concurrent Distributed Development Environment', published in proceedings of 2nd International Conference on Reliability Safety and Hazard, organized by Bhabha Atomic Research Center, pp.479-484, published by IEEE society, USA, Mumbai, 14-16 December 2010.

et al. 'Measuring Reliability Growth of Open Source Software using Stochastic Differential Equations' published in the proceedings of Second World Congress on Software Engineering (WCSE) ,Vol. 2, pp. 115-118, at Huwan, China, published in IEEE Xplore, USA, 14-16 December 2010.

et al. 'A Generalized Reliability Growth Model for Open Source Software' published in proceedings of 2nd International Conference on Reliability Safety and Hazard, organized by Bhabha Atomic Research Center, Mumbai, pp. 523-528, published by IEEE society, USA,' 14-16 December 2010.

**Bhela, A.** Published paper on 'Globalization, Religion, Culture and Identity: The Indian Context'. Published paper on Preserving India's Intangible Cultural Heritage: Issues and Challenges.

**Narula, D.** 'The Feminine as Harbinger of Social Change Women's Memory Work: Gendered Dilemmas of Social Transformation', at the International Conference University of Limerick, Ireland, 24-26 August 2010.

'Writing the Conflicts: Projections of the Other in Diasporic Literature' at the 19th Congress of International Comparative Literature Association, Seoul, Korea, 15- 21 August 2010.

'Negotiating Patriarchal Constructs: A Study of Mridula Garg's Kathgulab and Indira Goswami's Dantal Hathir Une Khowa Howdah' at the CLAI Biennial International Conference on 'Social Imagination in Comparative Perspectives: Languages, Cultures and Literatures', Central University of Gujarat, Gandhi Nagar, Ahmedabad, Gujrat, 3- 6 March 2011.

**Ailawadi, N.** Contributed a chapter on Hitler and Nazi Germany in text Book published in Hindi on History of Europe.

**Taneja D.** Co-Edited the Book '*Global Economics Crisis and Impact on India Economy*', released by the then UGC Chairman Prof. Sukhadeo Thorat.

Paper titled 'Climate Change: Impacts and Measurement' was published in the Indian Economics Journal, Special Issue, December, 2010.

**Sabharwal, T.** Published an article 'Human Rights-A Selective Right?' in International Journal of Communications Studies-*Mass Communicator* January-March, 2011.

**Dahiya, S.** 'Line of Control' was published in the Journal of the Press Institute of India 'Vidura' April-June, 2010.

## DYAL SINGH COLLEGE

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Zeba Ahran	B.Sc. (Hons.) App. Zoology	1
Shikha Yadav	B.A. (Hons.) Geography	1

### Library Development

Total Budget	:	₹ 11,10,000
Books added	:	1,804
Journals subscribed to	:	18 Newspapers and Magazine/Periodical-54



## DYAL SINGH COLLEGE (EVENING)

### Special Grants/Assistance/Projects

**Dr. Abha Singh:** Awarded grant of £1500 from International Shakespeare Association, Stratford, Avon to present paper at IX World Shakespeare Congress 2011, 17-22 July 2011.

### Library Development

Total Budget	:	₹ 7,85,340
Books added	:	1518
Journals subscribed	:	26

### Honours/Distinctions

**Deepak Malhotra:** Received Golden Jubilee Award by Kendriya Punjabi Sahit Sammelan, in 2010.

**Dr. P.R. Thapar:** Received Punjabi Bhasha Samman by Punjabi Academy Delhi in 2010, Honoured by Kendriya Punjabi Sahit Sammelan, in 2010.

Dr. Lakha Singh Memorial Award by *Sache Patshah* Magazine 2011.

### Seminars/Conferences attended

**Poonam Gupta:** National Seminar on Indian Financial Sector organized by Department of Financial Studies, South Campus in association with Indian Accounting Association at Delhi, October 2010.

Conference on 'Paradigm Shift from Accounting Standards to International Financial Reporting', organized by SRCC, University of Delhi at Delhi, November 2010.

**Ms. Brati Biswas:** Paper presented on the topic 'The Body Politics of Caste and the Dalit Body' at National Seminar on Ambedkar, organized by IIDS at JNU on 26-27 February 2011.

Paper presented on the topic 'Nature, Narrative and Nurture: Eco-criticism in the Class Room' at National Seminar on 'Criticism and Environmental Praxis: Academic Approach towards: Ecological Humanism', organized by Bharti College, Univ. of Delhi, Delhi, 24-25 February 2011.

Paper presented on the topic 'The Politics of Translating the Dalit' at National Seminar organized by All India English Teacher's Association at JKC College, Guntur, A.P., 10-12 January 2011.

**Ms. Madhulri Chawla:** Paper presented on the topic '*Bangla Dalit Poetry : The Politics of Language in Post Colonial Era*' at National Seminar on Post Colonialism and Indian Literature : Experience , Texts, Theories organised by A S College Khanna, Punjab, 18-19 November 2010.

**Ms. Madhulri Chawla and Ms. Brati Biswas:** Attended a UGC sponsored National Workshop SAM : Capacity Building of Women Managers in Higher Education., organised by Shri Guru Nanak Dev Khalsa College, New Delhi, 27-31 December 2010.

**Ms. Madhulri Chawla:** Paper presented on the topic 'Negotiating Space Within Patriarchy : Response of Women of Punjabi Diaspora in Veena Varma's Short Stories ' at National Seminar on Post Colonialism and Indian Literature : Experience , Texts, Theories organised by A S College Khanna, Punjab, 18-19 November 2010.

**Ms. Sumita Puri:** Paper presented on the topic 'Discourse on Science Fiction: An Analysis of Rohini Gupta's 'The Green Button' at National Seminar on 'Indian Writing in English', organized by Govt. P.G College at Gurgaon, 19 Nov. 2010.

**Dr. Abha Singh:** Participated in International Seminar on Theory at Work: Text, History and Culture organized by Dept. of English, BHU at Varanasi, 9-11 November 2010.

Paper presented on the topic 'Celebrating Seasons in Literature' at National Seminar organized by the Kalidasa Academy of Sanskrit, Music and Fine Arts at NCERT, New Delhi on 13-15 March 2011.

**Dr. Alka Tyagi:** Participated & presented a paper 'Dreams for Awakening' in International Seminar on 'Dream Catchers: Creativity, Analysis and Criticism' organized by Sahitya Akademi and University of Delhi at Udaipur, India on December 2010.

**Jnanendra Narayan Singh:** 'National Seminar on 'Ranganathan's Vision for Academic Libraries 'organized by Department of Library and Information Science, University of Delhi on 12 August. 2010.

**Dr. Mani Bhushan:** Paper presented on the topic 'From Internal Colonialism to Secessionism: Response of the Indian State' at National Seminar on Emerging Centers and Peripheries in South Asia, organised by Punjab University, Chandigarh, 25-26 May 2010.

Papers presented on the topic 'Identification of Research Problem 'and 'Content Analysis' at five day Residential National Workshop on Research Methodology, organized by the Indian Social Institute, New Delhi on 21-25 February 2011.

Chaired a session at a National Workshop on 'Identity, Alienation & Violence' organized by Indian Social Institute, New Delhi, on 26 March 2011.

**Ms. Shivani Singh:** Papers presented on the topic 'Lohia on Democracy-Relevance in the Era of Globalization' in the UGC Sponsored National Seminar on Contextualizing Democracy in 21st Century:: Perspectives and Challenges organized by the Department of Political Science, Kalandi College, Universotu of Delhi, New Delhi on 3-4 February 2011.

### **Pulications**

**Gupta, P. 2011.** *Financial Management*, Delhi: Flair Publications.

**2011.** *A Simplified Approach to Financial Management*, Delhi: Flair Publications.

- Tyagi, A. 2011.** *Healing Tales*, Delhi: Yash Publications.
- 2010.** *Punjabi Media*, Delhi: Manprit Prakashan.
- 2010.** *Punjabi Sahit De Sarokar*, Delhi: Manprit Prakashan.
- Jagadeesan, U. 2010.** *Panch Bootha Lingath Thala Puranam*. (2nd ed). Prema Prasuram, Chennai.
- 2010.** *Jyothi Lingath Thala Puranam*. (3<sup>rd</sup> ed). Prema Prasuram, Chennai.
- 2010.** *Mukthith Thalanga*. Manivasaghar Padhippagham, Chennai.
- 2010.** *Sabtha Vidangath Thiruth Thalanga*. L K M Publication, Chennai.
- 2010.** *Astha Veerrattath Thirvth Thalanga*. L K M Publication, Chennai.
- 2011.** *Niraindha Aavvdaiyaar Koil*. Manivasaghar Padhippagham, Chennai.

#### Articles

**Singh, A. 2011.** Racial and Gender discrimination in India Dalit and Afro American Literature – A cross cultural study published in *Georgian Electronic Journal of Literature 'LITINFO'* Vol. 5.

- Jagadeesan, U.** Vilva Ilaiyin Magimai, *Tamilar Thiru Neri*, 9-11, April 2010.
- Sundhararin poyyadimai illaadha pulavar, *Tamilar thiru neri*, 4-5 May 2010.
- Sundhararin poyyadimai illaadha pulavar, *Tamilar thiru neri*, 2-3 June 2010.
- Thiruvembaavaith thiruvilaa, *Tamilar thiru neri*, 11-13 July 2010.
- Unmaiyaana udaiamaigal, *Tamilar thiru neri*, 17-18 August 2010.
- Adhisaya theivak kulandhai, *Tamilar thiru neri*, 6- 8 September 2010.
- Mooththa pillaiyaaraip potriya aaludaip pillaiyaar, *Tamilar thiru neri*, 6-7 October 2010.
- Aadhi Sangaraaccaariyaar aaru samayangalai undaakkinaaraa? *Tamilar thiru neri*, 9-11 November 2010.
- Artha naareswararum umaiyuru paaganum, *Tamilar thiruneri*, 11-13 December 2010.
- Theivangal tholum thillai ambalam, *Tamilar thiru neri*, pages, 15-16 January 2011.
- Madhuraiyil Thirunjaana sambandhar, *Tamilar thiru neri*, 6-8 February 2011.
- Mahaa Sivaraaththiri magimai, *Tamilar thiru neri*, pp. 7-8 March 2011.

## DESHBANDHU COLLEGE

### Major Activities

Deshbandhu College was ranked 28 in top 50 colleges (in Science) of the country and 8th in the city of Delhi as per India Today Nielsen Survey published in *India Today*, 28 June 2010.

## Library Development

Total Budget	:	₹ 6 Lakhs
Books added	:	800
Journals subscribed to	:	70

## Seminars/ Conferences Attended

**Dr. G.C. Pant:** Presented a paper on 'Abhinava Kavyasastranam Samiksha' in National Conference organized in Shri Lal Bahadur Shastri Sanskrit University, Delhi, 9-11 March 2011.

**Dr. Bajrang Behari Tiwari:** Presented a paper: 'Samkaleen Sanskrit Kavita Men Prem, Shringar aur Stri-Prashna' organized by All India Oriental Conference (AIOC) and Rashtriya Sanskrit Vishvavidyalay, Tirupati, 2-4 June 2010.

**Dr. Kumar Shantanu:** Presented a poster on 'Assessment of Heavy metal copper (cu) pollution through Mosses' in 4th International Conference on Plants and Environment Pollution (ICPEP-4) Organised by International Society of Environmental Botanists & National Botanical Research Institute Lucknow, 2010.

**Dr. Aparna Nautiyal:** Attended an International Conference on 'Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) and other chlorinated contaminant from February 9-11, 2011 Organised by Department of Zoology, University of Delhi.

**Dr. Irengbam Rocky Mangangcha:** Attended a National Workshop 'Introduction to Bioinformatics' organized by the Bio-Medical Informatics Centre, Department of Biophysics, All India Institute of Medical Sciences, New Delhi, 21-23 April, 2010.

**Dr. Indrakant Kumar Singh:** Participated in 'The 7<sup>th</sup> Indo-Australia Biotechnology Conference Queensland Medical Research Institute (QIMR), Brisbane, Australia, 25-27 October 2010.

**Dr. Mahesh Chandra:** Presented the paper, 'Photochemical study of Rose Bengal with Reductants for Solar Energy Conversion in 'International Conference on Renewable Energy 2011, University of Jaipur, Rajasthan, 17-21 January 2011.

**Dr. Rana P. Bahal:** Presented the paper entitled 'Planted, Coolies and the State Assam Valley Tea Plantation during Colonial Rule' in the International Conference on 'Work and Human Lifecycle in Global History', Humboldt University, Berlin, 1-2 July 2010.

**Dr. P. K. Mukherjee:** Participated in National Workshop for developing educational e-material in Hindi organised by Homi Bhabha Science Education Centre, Mumbai at Vigyan Parishad, Prayag, Allahabad, 26-28 November 2010.

**Dr. Krishnan Unni P.:** Presented a paper entitled 'Hey, are you there? I am knocking. autodafes of fiction and madness' in an International Conference Madness, Medicines, Literature and Language organised by Nottingham University, U.K., 6-8 August 2010.

**Ms. Anjum Padyal:** Presented a paper 'Pregnancy related Pelvic Pain in Women Gymnast: Pilot Study' in 14<sup>th</sup> Commonwealth International Sports Science Congress 2010, at Manav Rachna International University, Faridabad, Haryana.

### **Publications**

**Barua, A. 2010.** Ed. *Gandhi and Grant: Their Philosophical Affinities*, Academic Excellence, New Delhi.

Ed. *West meets East: Schopenhauer and India*, Academic Excellence, New Delhi, 2011.

## **GARGI COLLEGE**

### **Major Activities**

Gargi College is the recipient of a grant under the Star College Scheme from the Union Ministry of Science and Technology. A new computer laboratory with 75 computers with the DU facilitated Wi-Fi connectivity has been inaugurated. A new state of the art auditorium with a seating capacity of 750 has just become functional.

### **Library Development**

Total Budget	:	₹ 5,22,900.00
Books added	:	2,059
Journals subscribed	:	42

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

**Dr. Anjana Neira Dev:** Appointed Fellow in The Institute of Lifelong Learning, Delhi University.

### **Honours/Distinctions**

**Dr. Pradeep Kumar:** Awarded Young Investigators Symposium award by International Brain Research organization and Neuroendocrine Federation.

**Dr. Radha Chakravarty:** Appointed member of National Advisory Council for Tagore's 150th birth anniversary celebrations worldwide.

**Dr. Sutapa Dutta and Dr. Sandhya Rai:** Awarded Ph.D. Degree.

**Ms. Manisha Priyam:** Appointed Member Advisory Group of the Planning Commission and member of Delhi Government's Social Protection Programmes.

### **Seminars/Conferences held**

The Department of Commerce of the College organized a Seminar on The Globalization of Higher Education: Challenges and Opportunities. Minister of State for HRD, Dr. Purandeswari was the Chief Guest.

## **Seminars/Conferences attended**

**Dr. Usha Prasad:** Attended an International Conference 'The next 10 years: A decade of Innovation, advancement and Sustainability' by South East and South Asia and Taiwan Universities, Taiwan.

**Dr. Kiran Prabha:** Attended an International Conference 'Molecular Biology Techniques in Cancer Diagnosis and Treatment'.

**Ms. Rajkumari:** Attended an International Conference 'Issues in International trade during Globalization Era', Delhi University.

**Dr. S. Bhanumati:** Attended an National Conference 'Women, Environmental Education and Climate Change by All India Foundation for Peace and Disaster Management', New Delhi.

**Dr. Kavita Vasudev:** Attended an International Conference 'Molecular Biology of cancer recent trends', New Delhi.

**Dr. Deepika Chatterjee:** Attended an International Conference 'Understanding Schopenhauer through the Prism of Indian Culture', JNU, New Delhi.

**Dr. Pallavi Vaid:** Attended an International Conference 'Understanding Schopenhauer through the Prism of Indian Culture'.

**Dr. Neelam Sachdeva ,Dr. Paramjit Khera, Dr. Simran Jit, Dr. Sandhya Rai, Dr. Shivani, Dr. Surabhi Shrivastava, Dr. Rekha Gupta and Dr. Shashi Chawla:** Attended an International Conference 'Recent Trends in Developing Bioremediation Strategies for hexachlorocyclohexane and other Chlorinated contaminants', Delhi University.

**Dr. Mohanty Aparajita:** Pomegranate Genetic Resources and Germplasm Conservation: A Review. Fruit, Vegetable, Cereal Science and Biotechnology 4 (Spl. Issue 120-125).

**Suman Lata:** Attended International Conference on Education and New Learning Technologies, Spain.

**Majumdar Atreyi:** International Conference on Socio-Economic Implementation of International Movement of Freeman Resources, Netherland.

**Dr. Chakravarty Radha:** Bodymaps: Stories by South Asian Women, International Conference, Delhi University.

**Dr. Navneet Rekha:** Love and Madness in Plato's Phaedrus Global Conference, Oxford.

## **Publications**

### *Book/Chapters*

**Mohanty, A.** Wrote a Chapter New Potential forage / fodder crops for India; Delhi: Daya Publishing House, pp. 45-50.

**Jain, M.** The India They saw: Foreign accounts of India from the 18th and 19th Century.

**Mishra, S.** two chapters a) Democratization, Decentralization and Social Security b) Citizens, Policy and Administration.

**Pant, P.** Two chapters a) Personality Development b) Management Skills.

## HINDU COLLEGE

### Major Activities

In its effort to get the students placed in bluechip companies, the placement Cell (DISHA) of the College secured offer letters for around 70 students through on-campus placements in the last academic session.

### Honours/Distinctions

**Bhutani, N.** Awarded Doctor of Philosophy in Agriculture and Resource Economics by the University of Maryland, College Park..

**Dr. Harish Naval:** Awarded 'Saraswat-Samman-2010, by Woman Authors guild 'Lekhika-Sangh' of Bareilly, UP.

**Dr. Harish Naval:** Awarded Ph.D. Degree by H.N.B. Bahuguna University, Srinagar.

### Special Grants/Assistance/Project

*Awarded to Individual Teachers*

Dr. (Ms.) Soma M. Ghorai, Assistant Prof.	:	₹ 4,23,000.00
Dr. Sanjay Chauhan, Assistant Prof.	:	₹ 1,85,000.00

### Library Development

Total Budget	:	₹ 7,54,000.00 Annual Budget
		₹ 731500.00 Lib. Dev. fund
Books added	:	2095
Journals subscribed	:	58

### Seminars/Conferences attended

**L. Gupta.** Received the best paper award 'Regulating the Regulator: Need for Superregulator', at National Seminar on Financial Sector Reforms in India - the Road Ahead organized by Shaheed Bhagat Singh College, Delhi University, 21-22 January 2011.

**G. Singh.** Participated in 'National Seminar on Financial Sector Reforms in India - The Road Ahead', organized by Shaheed Bhagat Singh, Delhi University, and also attended 'National Seminar on Financial Sector Reforms in India, organized by Department of Financial Studies, South Campus, Delhi University, Delhi.



**R. Basu, 2010.** Panelist in a Seminar organized by the Centre for Philosophy, JNU in November 2010 on 'Reading of Discourse on Consciousness'.

**Dr. Monika Ram:** Attended the National Symposium on 'Frontiers & Avenues in Plant Sciences', organized by the Department of Botany, Shivaji College, University of Delhi, 20-21 January 2011.

**Dr. Rajesh Kumar:** Participated in Seminar on 'Methodology and Procedures for Popularizing ENVIS Network among the Stakeholders: A Study of Delhi ENVIS Centers' at TERI, New Delhi, 26 November 2010.

**Barua, A.** Presented a paper 'Disembodiment and its critique' at Sigmund Freud University, Vienna, Austria, 27-29 August 2010.

**Dr. Monika Ram:** Attended the National Symposium on 'Frontiers & Avenues in Plant Sciences', organized by the Department of Botany, Shivaji College, 20-21 January 2011.

Participated in a Seminar on 'Methodology and Procedures for Popularizing ENVIS Network among the Stakeholders: A Study of Delhi ENVIS Centers' at TERI, New Delhi, 26 Nov. 2010.

**Dr. Anju Srivastava:** Participated in National Seminar on 'Role of Analytical Techniques in Biological & Environmental Sciences' organized by KMC-ISAS-Petrotech Society of India, 27-29 January 2011.

**Dr. Anita Rajpal:** Presented a paper on 'Rights as against the insult and abuse in scriptures' in National Seminar held at Amritsar and another paper presented on 'Concept of Women Empowerment in Kumar Sambhav as Kalidass' in National Seminar at Chandigarh in January 2011.

### **Publications**

**Srivastava, V.K. 2010.** Museum at an anthropology department. *The Eastern Anthropologist*, 60 (3-4): 487- 499. (with Kumkum Srivastava). Also published in Kishor K. Basa (ed.) Multiple. Heritage: Role of Specialized Museums in India. New Delhi: Serials Publications, (pp. 210-17).

On tribal economy and society. *The Eastern Anthropologist*, 61 (4): 533-48. [Also published in M.C. Behera and Jumyir Basar (eds.) Interventions and Tribal Development, Challenges before Tribes in India in the Era of Globalization. New Delhi: Serials Publications, 2010, pp. 467-489.] [Also published in S.N. Chaudhary [ed.] Tribal Economy at Crossroads. Jaipur: Rawat Publications, 2010, pp. 14-32].

**Saksena, H.S., Hasnain, N., Chaudhury, S.K. and Maiti, S.** Edited Anthropology in India. New Delhi: Serials Publications.

In **Saksena, H.S. et. al.** (eds.). The impact of anthropology. Anthropology in India. New Delhi: Serials Publications, pp. 399-430.

Edited Issues in Contemporary Society (A Festschrift in Honour of Professor B.N. Borthakur) (with Joyenta Borbora). Guwahati: DVS Publishers. {Wrote Introduction and the article 'A Critical Reading of the Draft of 'The National Tribal Policy (A Policy for the Scheduled Tribes of India)' [pp.191-238]}.

On the Concept of Tribe: A Reading of the Report of the High Powered Committee on Gurjar's Demands. In Danda, A.K. and Danda, D.G. (eds.), *Anthropology in India, Current Epistemology and Future Challenges*. Jhargram: Indian National Confederation and Academy of Anthropologists; and Bhopal: Indira Gandhi Rashtriya Manav Sangrahalaya, 2010, pp. 176-77.

Foreword to Humaira Showkat, *Sociology of Marriage Payments among Shias of Srinagar*. Hyderabad: Centre for the Study of Social Exclusion and Inclusive Policy (CSSEIP), Maulana Azad National Urdu University (MANUU), and New Delhi: Icon Publications, Pvt. Ltd., p. VII-X.

Obituary - Claude Levi-Strauss. *The Eastern Anthronologist* 62(4): 541-5.

Socio-economic characteristics of tribal communities that call themselves Hindu. Religion and Development Research Programme, Working Paper Series, 1(3). New Delhi: Indian Institute of Dalit Studies.

Reprinted 'Religion and environment, some insights from the case of the Bishnoi' (originally published in 2001), in Sharma, A.K. (ed.), *Religion and Culture in Indian Civilization, Essays in Honour of Professor C.N. Venugopal*. Delhi: D.K. Printworld (P) Ltd. (pp. 137-52).

A note on the interview schedule. *Man in India*, 90(3-4), July. December 2010, pp. 637-48.

Review of Shereen Ratnagar, *Being Tribal*. *The Hindu*, 18 January 2011.

**Dhamija, N.** Published a book titled 'India's Financial Liberalization and Efficiency in Credit Deployment' and articles like 'Dynamics of Poverty in India: A Panel Data Analysis' in *Economic and Political Weekly*, 'Foreign Institutional Investment in India: An Exploratory Analysis of Patterns across Firms' in *Margin -The Journal of Applied Economic Research* and 'Dynamics of Chronic Poverty -Variations in Factors Influencing Entry and Exit of Chronic Poor' as Working Paper of Chronic Poverty Research Centre to name a few.

**Singh, G.** Published a research paper entitled 'Extent, Incidence and Severity of Indebtedness among Rural Households in India' in *Political Economy Journal of India* (National Journal).

**Basu, R. 2010.** Published an article in a book entitled 'Applied Ethics and Human Rights: Conceptual Analysis and Contextual Applications'. The book has been edited by Shashi Motilal and published by Anthem Press, London.

**Devasia M. 2010.**Published four research articles in the recently released two-volume ACPI Encyclopedia of Philosophy (Asian Trading Corporation, Bangalore): Vedanta (2500 words); Advaita (2000 words); Upanishads (2000 words) and Om (1500 words).

**Barua, A.** Published an article titled 'An Attempt at understanding-Terrorism from Buddhist Perspective' in Philosophical Pathways, An U.K. based e-journal; ISSN2043-0728 23/02/2010; Issue No. 150.

**Pathak, K.M.** 'Gandhi, Gandhism, and the Principle of Non-violence: A Philosophical Reflection', Philosophy for Business e-journal (ISSN 2043-0736), Issue 61, September 2010, Published by International Society for Philosophers, UK.

The Universalizability of the Categorical Imperative: Re-examining Kant's Maxim of Duty, HeiDOK: Der Heidelberger Dokumentenserver [Universitätsbibliothek Heidelberg]. (Dissertation).

**Dr. K.K. Koul:** Carried out detailed studies in Rhoen and based on the work done a paper has been sent for publication to Caryologia (Italy).

**Mr. Pramod Kumar,** 'Armendariz and Quasi Armendariz semi-rings and p. & semi-rings' in Journal 'Asian European Journal of Mathematics'.

'Ps Quasi Gaussian semi-rings and Quasi symmetric semi-rings' in South East Asian Bulletin of Mathematics.

'On weak Armendariz semi-rings' in Advanced Research in Pure Mathematics'. Research is an integral part of the Physics Department. Many teachers are involved in active research and projects.

**Dr. M.C. Jain.** Published a book Engineering Physics Part II, Publisher:- PHI Learning.

**Goirala, S.P., Verma, V., Kumar, L., Abdulla, M., Dar, S. Annapoorni and Kotnala, R.K. 2010.** Synthetic Metals, Volume 160, Issues 21-22, November, 2010, pp. 2315-18.

**Verma, V.K.** Published eight papers in International Journals in 2010.

Nanograins dependent dielectric constant, tunability, phase transition, impedance spectroscopy and leakage current of  $(\text{Pb}_{1-x}\text{Sr}_x)\text{TiO}_3$  thin films.

**Verma, K.C., Kotnala, R.K., Verma, V. and Negi, N.S. 2010.** Thin Solid Films, Vol. 518, Issue 12, 2 April 2010, pp. 3320-25.

**Kotnala, R.K., M. Abdullah Dar, Verma, V., Singh, A.P. and Siddiqui, W.A.** Minimizing of power loss in Li-Cd ferrite by nickel substitution for power applications Journal of Magnetism and Magnetic Materials, Volume 322, Issue 22, November 2010, pp. 3714-19.

**Verma, V., M. Abdullah Dar, Pandey, V., Anterpreet Singh, S. Annapoorni and Kotnala, R.K.** 'Magnetic properties of nano-crystalline  $\text{Li}_{0.35}\text{Cd}_{0.3}\text{Fe}_{2.35}\text{O}_4$  ferrite prepared by modified citrate precursor method'. *Materials Chemistry and Physics*, Volume 122, Issue 1, 1 July 2010, pp. 133-37.

**Gairola, S.P., Verma, V., Kumar, L., M. Abdullah Dar, S. Annapoorni and Kotnala, R.K.** 'Enhanced microwave absorption properties in polyaniline and nano-ferrite composite in X-band'. *Synthetic Metals*, Volume 160, Issues 21-22, November 2010, pp. 2315-18.

**Mohapatra, J., Mishra\*, D.K., Kamilla, S.K., Medicherla, V. R. R., Phase, D. M., Verma, V. and Singh, S.K. 2010.** Ni-doped ZnO: Studies on structural and magnetic properties, *Phys. Status Solidi B*, 1-8 (2011) / DOI 10.1002/pssb.201046513.

**Pandey, V., Vermal, V., Bhalla, G.L., Kotnala, R.K. and Shri Chandrachur Singh,** Increased low field magnetoresistance in electron doped system  $\text{Sr}_{0.4}\text{Ba}_{1.6-x}\text{La}_x\text{FeMoO}_6$  *J. Appl. Phys.* 108, 053912; doi:10.1063/1.3481085 (5 pages).

**Dr. Sudhir Kapoor,** jointly published a paper entitled 'Testing Weak Form Efficiency for Indian Stock Market' in *Finance India*, Vol. XXIV No.3.

**Nain, K. 2010.** Published research paper entitled 'Recurrence Relations for Single and Product Moments of Ordinary Order Statistics from Pth order Exponential Distribution' in, *International Mathematical Forum*.

*Author of Books/Chapters/Articles*

**Jain, R.** Synthesis, Spectral and Antibacterial Studies of some Organotin (IV) complexes with Semi-synthetic Penicillins, *Main Group Metal Chemistry*, 33, 1-2, 2010.

'Chemistry for Class XI'-Textbook, Cambridge Press-recommended as textbook by Govt. of J&K.

Author CBSE- International PAT Question Bank, under preparation for International schools in India and abroad following CBSE-International Curriculum.

**Ghorai, S.M.** Published a research paper in Internationally acclaimed journal 'General and Comparative Endocrinology' entitled 'â-endorphin inhibits phagocytic activity of lizard splenic phagocytes through  $\mu$  receptor-coupled adenylate cyclase-protein kinase A signaling pathway' in January 2011.

**Neetu,** Published a review article entitled 'Allergen Immunotherapy: Current approaches for management of Allergic rhinitis and Asthma' in 'Immunotherapy': activation, suppression and treatments by NOVA publishers.

## HANS RAJ COLLEGE

### Major Activities

Hans Raj College is currently adding a second floor to the existing building along with complete renovation of the existing structure. Renovation work is nearly complete and by the new session i.e. July, 2011, the additional floor will be have been added with 80 new computers and the whole college complex is being connected through a Wi-Fi network in collaboration with Airtel India. Science laboratories including Physics, Botany, Chemistry and Zoology were renovated to accommodate the additional students. An air-conditioned Reading Room in the main Library is ready for use by the students.

## New Course Introduced

M.Sc. Earth Science

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Chitra	M.Sc. Anthropology	I
Prerna Bhasin	M.Sc. Anthropology	II
Nency Dawman	M.Sc. Anthropology	III
Shradha Shukla	M.Sc. Geology	I
Tushar Kaushik	M.Sc. Geology	II
Pooja Grover	M.Sc. Geology	III
Somya Rastogi	M.Sc. Operational Research	I
Monika Goel	M.Sc. Operational Research	II
Pooja Sachdeva	M.Sc. Operational Research	III
Aditi Mittal	B.Sc. (Hons.) Comp. Sc.	I
Urvashi Tomar	B.Sc. (Hons.) Botany	III
Poornima Bhushan	B.Sc. (Hons.) Physics	III
Garima Chawla	B.Sc. (Hons.) Electronics	I
Sugandha sharma	B.Sc. (Hons.) Electronics	II
Rupali Kapoor	B.Sc. (Hons.) Mathematics	I
Jyoti Bala	B.Sc. (Hons.) Anthropology	I
Himanshu Gautam	B.Sc. (Hons.) Anthropology	II
Chongloi Lhunkhohao	B.Sc. (Hons.) Anthropology	III
Shraddha Chatterjee	B.Sc. (Hons.) Geology	I
Tarini Bhatnagar	B.Sc. (Hons.) Geology	II
Tushar Bishnoi	B.Sc. (Hons.) Geology	III
Nitish Goel	B. Com. (Hons.)	I
Neha Arora	B.A. (Hons.) Mathematics	I
Shweta Aggarwal	B.A. (Hons.) Sanskrit	I
Raj Kishore Arya	B.A. (Hons.) Sanskrit	III
Nisha Bhawani	B.A. (Prog.)	II
Dhruv Chowdhary	B.Sc. (Prog.) App. Physical Sciences	III
Abhay Mishra	B.A. (Hons.) Hindi	I

### Special Grants/Assistance/Projects

*Awarded to the College*

Hostel Grant	:	₹ 34,27,000.00
M. Grant	:	₹ 26,51,34,000.00
XI Plan	:	₹ 13,37,000.00

### **Awarded to individual teachers**

Sh. A.K. Goyal : ₹ 3,10,000.00 (Research Grant)

### **Library Development**

Total Budget : ₹ 15,17,350.00  
Books added : 2,611  
Journals subscribed to : 20

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

**Dr. Rajinder Kumar:** Offered post Doctoral position from Ben-Gurion University of Negev, Israel.

**Dr. Prakash Burgoin:** Joined IRS, Govt. of India.

### **Seminar/Conferences attended**

**Dr. Bijendra Singh:** Participated in the National Seminar on 'Frontiers of Fundamental & Industrial Electro-Chemistry: A Challenge for a Better World' in the Department of Chemistry, Delhi University.

Attended the National Seminar on Role of Analytical Techniques in Biological & Environmental Sciences at KMC, Delhi University.

**Ms. Reetika Jain:** Attended International Conference held at Hotel Taj Mansingh, New Delhi, organized by the Academy of Indian Marketing from 16-18 December 2010.

**Dr. Manjit Singh Saggi:** Attended a National Seminar held by Shaheed Bhagat Singh College, University of Delhi at VPC Institute.

**Ms. Manisha Verma:** Attended 63<sup>rd</sup> All India Commerce Conference organized by Faculty of Commerce, Goa University, Goa.

**Dr. Kanchan Batra:** Attended an International Conference organized by Indo-Swiss at University of Delhi, Delhi.

### **Publications**

**Rani, S.** 'Trends in working Capital Management of Small Scale Industries' – International journal of Management *Rivulet*, Vol. I, No.1, July-December 2010.

Review of Professional Management, Vol. 8, Issue -1, January-June 2010.

**Jain, C. 2010.** Paper 'Spectral and Temporal Changes Associated with Flux Enhancement in 4U 1626-67' in MNRAS, Vol. 403.

Paper New Measurement of Orbital and Spin Period Evolution of the Accretion Disk Corona Source 4U 1822-37' in MNRAS (2010) Vol. 409.

- Singh, N.K.** Physics Status Solidi A (2010) Vol. 207  
 - Applied Surface Science (2010) Vol. 257  
 - Vacuum (2011) Vol. 85.
- Jain, R.** Published research paper in Business Analyst, September 2010.
- Bhola, J.** A research paper published in International Journal of Contemporary Mathematical Sciences, Hikari Ltd., Bulgaria.
- Singh, N.** Four research papers published in journal of Optics.
- Singh, S.** Rait 4 research papers published in different journals.
- Verma, M.** Presented two papers at the Seventh Asian Meeting in Korla.
- Singh, S. and Kapur, H.** *Micro Economic Theory & Applications.*
- Kaul, M.** Published a paper in Current Science (2010) Vol.99, No. 10.
- Jain, N.K.** *How to Invest in Shares & Mutual Funds* in joint authorship with Dr. L.C. Gupta
- Kaur, H.** A research paper published in the Proceedings of 3<sup>rd</sup> International Conference on Computer Modeling and Simulation, Mumbai in collaboration with Bhavna Gupta, Punam Bedi.
- Kumar, M.** Research paper in Journal of the *Indian Chemical Society* (2010) No.87.
- Pandey, P.** *Application of some Nanomaterials to Glucose Biosensors* in collaboration with Monika Datta and B.D. Malhotra.
- Mittal, A.** *Managerial Economics, Text and Cases* meant for MBE, MBA and M.Com. students.
- Sharma, N.** Published a research paper in a volume *'Hindi Natak: Nayi Parakh'*.

## INDIRA GANDHI INSTITUTE OF PHYSICAL EDUCATION & SPORTS SCIENCE

### Major Activities

In addition to the academic & sports achievements, Institute is full filling its social responsibility by organizing a Blood Donation Camp in the Institute every year. This year, the Blood Donation Camp was organized on 18th February, 2011 and a record number of 150 students, teachers & non-teaching staff donated their blood.

### Seminar/Conference held

The Institute organized a National Seminar on 'The Role of Physical Education & Sports Sciences in Nation Building' in collaboration with the Department of Physical Education & Sports Sciences, at the Institute, University of Delhi, 18 March 2011.



The Institute has also collaborated with the Department of Physical Education & Sports Sciences in organizing an International Conference on 'Physical Activity & Sports for Global Peace & Development' at Sir Shankar Lal Hall, North Campus, in collaboration with I.G.I.P.E.S.S. All necessary communications are in progress for the same, University of Delhi, 18-21 October 2011.

### **Seminars/Conferences attended**

**Dr. Sarita Tyagi:** Organizing Secretary for National Seminar on 'Role of Physical Education and Sports in Nation Building' and was a Coordinator of Refresher Course in Physical Education. She also participated and presented papers in National Conference organized by Gurukul Kangri Vishwavidyalaya, Haridwar, UK.

**Dr. Vijay:** Invited as Resource Persons for In-service Teacher Training Programme organized by State Council of Educational Research and Training at DIET Rajinder Nagar, Dhaura Kaun and Pitampura. He was also invited as Resource Persons on First-Aid for ETE Diploma Course by DIET, Darya Ganj, New Delhi.

**Dr. Dinesh P. Sharma:** Attended UGC sponsored National Seminar, National Conferences and is a visiting Faculty in Education, JJT University. He also participated as an Athlete in Mavana Marathon in 3rd consecutive year.

**Dr. Sanjeev Kaushal:** Participated International and National Seminars and presented papers in them and also a Staff Council Secretary.

### **Honours/Distinctions**

**Dr. Devinder K. Kansal:** Appointed Expert in the Subject Committee of Physical Education by University Grants Commission.

### **Library Development**

Total budget	:	₹ 106159/-
subscribed journals	:	₹ 50000/-

### **Publication**

**Singh, R.** Associate Professor, published a book *Khel Samaj Shasthra in four parts*.

## **INDRAPRASTHA COLLEGE FOR WOMEN**

### **Major Activities**

In its 87th year Indraprastha College forged ahead with the agenda of 'Raise the Bar'. Infrastructural expansion projects in this phase were completed well in time. The College hosted five National level Conferences in its state-of-the-art Conference Room. It also held its first Invitational Tournaments in its Multi Facility Sports Centre inaugurated by Shri Rahul Gandhi. With full power back-up and enhanced load, the College became the pilot

for the University's ICT Centre with 80 computers and was wi-fi enabled. The College ensured barrier-free access along with an elevator in its two-floor library. It also set up its Enabling Unit.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Vibhuti Gupta	M.A. Psychology	I
Priyanka Gera	M.A. Psychology	II
Tanya Khullar	M.A. Psychology	III
Gunjan Chandak	M.A. (Previous) Psychology	I
Shivani Vij	M.A. (Previous) Psychology	III
Suyasha Saha	M.A. (Previous) psychology	III
Shikha Verma	B.A. (Programme) Part III	I
Ambar Shamsi	B.A. (Programme) Part III	III
Akshuna Bakshi	BMMMC Part III	I
Maumita Sengupta	BMMMC Part III	II
Shubhda Chaudhary	BMMMC Part III	III

### Research Scheme

**Dr. Harsh Bala:** Awarded major research project from UGC on the topic 'Hindi Naatko ke Adyayan, Adhyapan aur Anushasan', Anusandhan ka Samaaj Manobhashavaigyanik Vishleshan.

### Library Development

Total Budget	:	₹ 9,12,800/- + 1,57,055 (OBC Fund)
Books added	:	2,195
Journals subscribed	:	57
Newspaper	:	23

### Appointments of faculty members to higher Posts/Assignments

**Dr. Babli Moitra Saraf:** Invited as Faculty to the NIDA School of Translation Studies, Istituto San Pellegrino, Misano – Adriatico, Italy.

**Dr. Meenakshi Khanna:** Invited 'Annemarie Schimmel Profesur' by the Institute of Asian and Oriental Studies, University of Bonn, Germany.

### Honours/ Distinctions

**Dr. Babli Moitra Saraf:** Invited by Saudi Arabia, as part of the first all-women delegation on a people to people contact programme, envisaged under the Delhi and Riyadh Declarations, and represented the education sector on the six-member delegation; Member, Review Committee on Youth Policy of the Ministry of Youth Affairs and Sports and Member, Governing Council, International Award for Young People (formerly, Duke of Edinburgh

Award): Received the Amity Women Achiever Award for Education, from the Amity International Business School and Amity Global Business School.

**Dr. Debjani Sengupta, Dr. Anita Swami, Dr. Mandakini Meena and Dr. Seema Singh:** Awarded Ph.D. degree.

### **Seminars/Conferences held**

Department of Mathematics organized a National Conference on the topic 'Mathematics Beyond Formulas and Theorems' on 22-23 February 2011.

Department of English organized a National Seminar on the topic 'the game's afoot': Sports, Literature and Culture', 10-12 March 2011.

Department of History organized a National Seminar on the topic 'Gendered Pasts, Masculinist Frames' on 9 February 2011.

Indian Association for Women's Studies and Indraprastha College for Women, organized a National Seminar cum Workshop on 'Cultures of Resistance: The Women's Movement as Performance' on 8-10 September 2010.

### **Seminars/Conferences attended**

**Mr. Gaurav Saxena:** Chaired two sessions in 2010 IEEE International Conference on Intelligent Computing and Intelligent Systems (ICIS2010), Xiamen, China, October 2010.

**Dr. Mita Bose:** Participated in the 7<sup>th</sup> Annual SECCLL (Southeast Coastal Dr. Conference on Languages and Literatures) held at College of Liberal Arts and Social Sciences, Georgia Southern University, Statesboro, Georgia, U.S.A., April, 2010 and presented 'Building upon Basics: Fleshing out the Bare Bones of the English Sentence'.

Participated in the 55th Annual Conference of BAAS (British' Association for American Studies), University of East Anglia Norwich, Norfolk, United Kingdom, April 2010 titled 'Henry James- the Perspicacious American'.

**Dr. Poonam Trivedi:** Participated in the East Asia Conference, held by the Shakespeare Forum, National Taiwan University, Taipei, November 2010.

Invited as a speaker for the International Shakespeare Conference and presented 'Shakespeare as Cultural Catalyst'. The Shakespeare Institute, Stratford-upon-Avon, UK, August 2010.

**Dr. Vinita Sinha:** Presented a paper titled 'Ben Jonson's Comedies in the Light of Sanskrit Dramaturgy' in 7<sup>th</sup> Annual SECCLL (Southeast Coastal Conference on Languages and Literatures) at the College of Liberal Arts and Social Sciences, Georgia Southern University, Statesboro, Georgia, USA, April 2010.

**Dr. M.M. Yogi:** Participated in the International Philosophy Conference organized by Athens Institute for Education and Research, Athens, Greece, in May 2010.

**Ms. Sonali Aggarwal:** Presented a paper at an International Conference titled 'Fables of Fear' organized by the Centre for performance Research and Clinical Studies, Thrissur, Kerala, August 2010.

**Dr. Meenakshi Khanna:** Presented a paper titled 'The Kashf al Mahjub and the Inception of the Indo-Muslim Identity' at the International Seminar on Shaikh Ali Hujaveri: His Life and Contributions organized by Faculty of Humanities and Languages at the Jamia Millia Islamia in collaboration with the ICCR, the Urdu Academy, and the Embassies of Iran, Afghanistan and Turkey at New Delhi, December 2010.

**Dr. Veena Gupta:** Presented a paper on the titled, 'Motivation and Memory: The Zeigarnik Effect' at International Conference on Mind, Culture and Humanities Activities: Psychological Sciences in Twenty First Century, XXth Annual Conference of National Academy of Psychology, at JNU, December, 2010.

**Dr. Chitra Joshi:** Presented a paper titled 'Mail runners, Roads and the Re-ordering of Communication Networks in Nineteenth Century India' at the International Research Centre on Work and Human Lifecycle in Global History, Humboldt University, Berlin, 29 June 2010.

**Dr. Nitoo Das:** Invited participant and speaker at the National Seminar on 'Celebrating Women's Literature' organized by the Chandigarh Sahitya Akademi, November 2010.

**Ms. Sonali Aggarwal:** Presented a paper titled 'Politics in Hindi Film, Lyrics: Gulaal and the Postcolonial state' at the Indian Association of Commonwealth Languages and Literatures Conference on 'Image, Word and Music in the age of New Media: Postcolonial Readings'.

**Ms. Lianboi Vaiphei:** Presented a paper titled 'The Concept of Human Rights in Northeast India: A case study of the Vaiphei community' at a Conference on Chotro 3, Shimla, September 2010.

**Dr. Chitra Joshi:** Presented a paper titled 'Palanquin Bearers Travellers and the Rules of the Road' at Seminar on 'Space Capital and Social History in South east Asia' organized by Centre for Modern Indian Studies, Goettingen, 24-26 June 2010.

Participated as the coordinator, Sub Theme 10 'Women, Labour and Questions of Marginalization', XIII National Conference of the Indian Association Women's Studies, Wardha, 21-24 January 2011.

### **Publications**

**Bhargava, M. 2010.** ed., *Exploring Medieval India, Sixteenth to Eighteenth Centuries: Politics, Economy, Religion*, Vol. I, Orient Blackswan, New Delhi, September 2010.

**2010.** ed., *Exploring Medieval India, Sixteenth to Eighteenth Centuries: Culture, Gender, Regional Patterns*, Vol. II, Orient Blackswan, New Delhi.

**Kinra, C. 2010.** Ed. *Jeevan Rekha* Collection of Poems.

**Mahajan, S.** *British Foreign Policy, The Role of India, 1874-1914*, Routledge, London/ NY, 2002 issued as e- Book by Taylor and Francis, London.

**Trivedi, P. 2010.** *Re-playing Shakespeare in Asia*, Co-edited with Ryuta Minami. Routledge: New York and New Delhi.

#### *Articles*

**Bhargava, M. 2011.** 'Visibility through Resistance: The Malangis and Salt Making in Eighteenth Century Bengal', in Biswamoy Pati (ed.), *Adivasis in Colonial India, Survival, Resistance and Negotiation*, Orient Black Swan, New Delhi, January 2011.

**2010.** 'Delhi Under The Mughals', in Swapna Liddle and Annabel Lopez (ed.), Delhi, *A Living Heritage*, IGNCa and INTACH, December 2010.

**Sengupta, D. 2010.** 'Sadhanbabu's Friends: Science Fiction in Bengal from Third world', eds. Ericka 1882 to 1974' in Science Fiction, Imperialism and the Hoagland and Reema Sarwal, London, Macfarland.

**2010.** 'The Wondrous Traveler: Leela Majumdar and Science Fiction in Bengal' in Extrapolation, in The University of Texas Southmost College. Vol. 51, No. 1, Spring.

**Sharma, H.B.** 'Sanskritik Samrajyavad ka Virodh aur Sumkaleen Hindi Natak, *Samved*: July 2010.

'Natak: Paath se Pradarshan Tak' : February 2010 Hindi Bhasha Vibhag Delhi University (UGC) (Grants) ke tehat.

**Swami, A. 2010.** 'Ayurveda Mein Yoga' in the XXVII Volume in a Research Journal '*Anusilana*' of the Department of Philosophy and Religion, Faculty of Arts, Banaras Hindu University, Varanasi.

**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* 31 May 2010.

**Vaiphei, L. 2010.** 'The Modern Nation States and Tribes of the Kuki Mizo Chin in Northeast India' in an edited book titled as *KUKI Society: Past, Present and Future*: published by Maxford Publishers, Delhi 2010.

**Yogi, M. 2010.** 'Tools of Advertising and its Ethical Implications' in Media and Communication Research: Changing Paradigms, Book ed. By Om Gupta and Sudesh Sharma, November 2010.

## INSTITUTE OF HOME ECONOMICS

### Major Activities

The college established in 1961, has stepped into its Golden Jubilee this year. To commemorate 50 years of its glorious existence, the year 2011 is being celebrated as the 'Golden Jubilee Year'. The Golden Jubilee Celebrations started with two days exhibition organized by various departments of the Institute on 28-29th January, 2011 to give an insight to the students particularly school students and their parents to the subject curriculum, different departmental activities, and various job opportunities available for them. The pioneering and innovative skills of various departments were put to display in the exhibition. In addition, to mark the occasion, lectures by eminent speakers were arranged on different issues by all the departments as departmental activity. Different competitions sponsored by various industries were organized for the students.

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsorship Organization</i>
'Development of Heart Healthy Recipes using Oats'	Dr. Seema Puri,	PepsiCo
'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
'Reducing maternal stressors and improving nutrition practices during pregnancy to enhance birth weight and infant survival: Designing An Innovative Intervention Package.'	Dr. Seema Puri, Dr. Geeta Chopra	World SARDM
'Children's anthropometric profile and design of school furniture : A Study in public schools in Delhi'	Dr. Renu Arora Mrs. Meghna	UGC
'Assessment, Awareness and Action against Female Feticide for Achieving Gender Equality and Women's Human Rights'	Dr. Parveen Pannu, Mrs. Yuki Azad Ms. Neeti Vaid	UGC
'Climate Change and Women: Communicating Strategies for enhancing adaptive capacity of urban poor women to climate change'	Dr. Savita Aggarwal Dr. Geeta Punhani	UGC

### **Appointments Faculty members to higher Posts/Assignments**

**Dr. Kumud Khanna:** Chairperson of the Project Review Group for Nutritional Sciences of ICMR; Member of Project Advisory Committee of 'Centre for Promotion of Nutrition Research and Training with Special focus on North-East, Tribal and Inaccessible Population; Expert Member of Scientific Advisory Committee of NIN, ICMR; Chairperson of Home Science Committee of the Indian Social Science Congress, 2010.

**Dr. Renu Gulati:** Member of the Advisory Committee on 'Early Childhood Education' of DPS society; Vice President of 'Varisht Nagarik Kesari Club' NGO working for elderly.

**Dr. Seema Puri:** Indian Dietetic Association – Elected Member of the National Executive; Sub Committee on Health and Disability, Review of National Policy on Older Persons. Ministry of Social Justice and Empowerment, Government of India; Nominated Member International Journal of Home Economics. Associate Editor; International Journal of Epidemiology and Community Health –Reviewer.

**Mrs. Jyoti Dalal:** Availing ICSSR fellowship from IEG, (Institute of Economic Growth).

### **Honours/Distinctions**

**Dr. Charu Gupta, Nitika Nagpal and Prerna Jain:** Won the best poster award at the International Conference on Apparel and Home Textile Clusters in September 2010 at Delhi.

**Dr. Renu Arora:** Invited Resource person at a training programme for TGT Homes Science Teachers organized by SCERT, December 2010.

**Dr. Parveen Pannu:** Jury Member for the coveted Manthan Award for Digital Inclusion for Development South Asia, organized by Department of Information Technology, Ministry of Communication & IT, Government of India and Digital Empowerment Foundation, October 2010.

Participated in Regional Consultation on Food-Based Dietary Guidelines for Countries in the Asian Region, New Delhi, 6-9 December 2010.

**Ms. Shipra Gupta:** Invited speaker for a session on 'Nutrition Promotion through Nutrition and Health Education: Communication Techniques' at the Sensitization Training Programme for Instructors of AWTCs/ MLTCs on Prevention of Micronutrient Malnutrition organized at NIPCCD, New Delhi, December 2010.

Invited speaker for a session on 'Nutrition for Infants and Preschoolers' for students of certificate course in ECCE at Mirambika Research Centre, New Delhi in November, 2010.

**Ms. Shipra Gupta** - Member, Evaluation Committee, Food Safety and Standards Authority of India for 'Proposal on designing educational packages on food safety for school children and housewives by IGNOU', December, 2010.



**Dr. Rajni Chopra and Dr. Neeru Bhagat:** Awarded the Ph.D. degree in Food Technology and Microbiology respectively.

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

**Dr. Seema Puri:** Chaired the Plenary session on 'Asian Dietetic Professional Practice-Making it a Reality' at 5th Asian Congress of Dietetics, Bangkok, Thailand, 10-12 Nov. 2010.

**Dr. Parveen Pannu:** Presented two papers at 19<sup>th</sup> AMIC Annual Conference 'Technology and Culture: Communication Connectors and Dividers' at Singapore entitled, 'Public Service Announcements related to Health on Mobile Phones: Emerging Paradigms for Poverty Reduction and Development', and 'Challenges in using ICTs against Female Foeticide and reducing Gender Violence', June 2010.

Presented a paper entitled, 'Meeting Globalization and Glocalization Challenges with ICTs' at a Conference by International Communication Association, at Suntec City, Singapore 2010 and a paper on, 'Role of ICTs in Governance' at the Tenth Foundation Training Programme for Scientists and Technologists at IIPA on 10 November 2010.

**Dr. Geeta Chopra:** Presented the work accomplished on the World Bank Project the South Asia Region Development Marketplace Implementers Workshop at Kathmandu, November 2010.

**Dr. Seema Puri:** Invited speaker for 'Nutritional care of Indian Elderly: Amalgamation of Tradition and Modernity' at Symposium on What We Do When Our Elderly Are Not Eating Well, 5<sup>th</sup> Asian Congress of Dietetics, Bangkok, Thailand, 10-12 November 2010.

**Seema Puri, Manmeet Kaur and Raman Marwaha:** Presented a paper on 'Bone Health of Older Persons: Relation to Diet and Lifestyle', 5th Asian Congress of Dietetics, Bangkok, Thailand, 10-12 November 2010.

**Namita Nadar and Seema Puri:** Presented a paper on 'Development of a Nutrition Screening and Assessment tool for Hospitalised Adult Patients.' 5th Asian Congress of Dietetics, Bangkok, Thailand, 10-12 November 2010.

**A. Vohra and T. Satyanarayana:** Poster presentation at 51st Annual AMI Conference. International Symposium on recent advances in cross-Disciplinary Microbiology: Avenues and challenges at Ranchi.

**Yuki Azaad and Neeti Vaid:** Presented a paper on 'Social Networking Sites: A Tool for Democracy' in International Conference on 'Changing Paradigms of Media Landscape in the Digital Age – Issues and Perspectives', Amity University, Rajasthan, 4-5 March 2011.

Presented a research paper 'Translating Media Programs for Social Change' at an International Conference 'Role of Translation in Nation Building, Nationalism and Supra-Nationalism' at New Delhi, 16-19 December 2010.

**Ms. Ruchira Das:** Presented a paper on 'Continuity or Disjuncture: Exploring Tribal Negotiations with Formal Learning in a Globalising World' in the International Conference on 'Globalisation, Educational Change and Reforms: Comparative Perspectives' at Jawaharlal Nehru University, 15-17 November 2010.

**Mrs. Jyoti Dalal:** Presented paper 'Identity and Inclusive Education in the Contemporary Society' in the 2nd International Conference on Excellence in School Education organized by IIT, Delhi, 26-28 October 2010.

**Dr. S.J. Passi:** Presented a paper on 'Red Palm oil – a natural nutrient antioxidant rich replacement for trans- fatty acids containing partially hydrogenated oils' at Symposium on Trans fats: Global and Indian perspective, organized by Diabetes foundation (India) Delhi, April 2010.

Presented a paper on 'Soy protein should be included in everyday diet' at a Conference organized by N-DOC, November 2010.

**Dr. Seema Puri:** Invited speaker 'Geriatric Malnutrition: Economic, Sociological and Psychological Influences', 42nd National Conference of Nutrition Society of India, Mumbai, 18-20 November 2010.

**Deepika Pahwa and Seema Puri:** Assessment of quality of life of HIV- Positive people receiving ART in Orissa, India. 20th IUHPE World Conference on Health Promotion, Geneva, Switzerland, 11-15 July 2010.

**Seema Puri:** Life style, Ageing and Nutrition: Working towards preventing falls and fractures. International Federation on Ageing 10th Global Conference, Melbourne, Australia, 3-6 May 2010.

**Dr. Tejmeet Rekhi:** Participated in Healthy Breakfast Patterns: Conference organized by ILSI at Le Meridian, November 2010.

**Ms. Shipra Gupta:** Research paper entitled 'Food Labelling: Awareness, Usage and Preferences of Women Consumers' by Renu Arora and Shipra Gupta presented at National Seminar on Consumer Protection and Food Safety, Maharaja Sayaji Rao University of Baroda at Vadodara in October 2010.

Research paper entitled 'Impact of Marital Status on Dietary Practices and Nutritional Profile of Working Women' presented at 42<sup>nd</sup> National Conference of the Nutrition Society of India at Mumbai in November 2010.

**Dr. Poonam Magu:** National Workshop on 'Green Buildings, Townships & Campuses : Sustainable Development for Tomorrow' organized by NAREDCO and supported by Ministry of New and Renewable Energy, Government of India, 12 August 2010.

Symposium on 'Sustainable Development' organized by Department of Resource Management and Design Applications, Lady Irwin College and supported by Ministry of New and Renewable Energy, Government of India, 13 November 2010.

**Ms. Pratima Singh:** National Conference on Green Design: Buildings and Habitats, organized by TERI at India Habitat Centre, 7-8 January 2011.

**Ms. Meghna:** Consumer Protection and Food Safety With Regard To Adulteration, National Seminar On Consumer Protection and Food Safety organized by the Department of Family and Community Resource Management, Faculty of Family and Community Sciences, MSU, Baroda. Sponsored by Centre for Consumer Studies, IIPA, 8-9 October 2010.

**Ms. Neeti Vaid:** Attended a National Conference on 'Trapped between Tradition and Modernity: Changes and Challenges faced by Women in India' organized by Women Development Cell at Shivaji College, 9-10 November 2010.

**Mrs. Nidhi Gulati:** Participated in the National Workshop on whole school development planning' under SSA, New Delhi, 5-7 August 2010.

Presented a paper in the National Conference on 'Action Research: Role and Influence of Education Resource Centres on the Professional Practice of Teachers', Tata Institute of Social Science, Mumbai, 26-28 July 2010.

**Ms. Ruchira Das:** Participated in the National Conference on 'Action Research: Role and Influence of Education Resource Centres on the Professional Practice of Teachers', Tata Institute of Social Science, Mumbai, 26-28 July 2010.

**Dr. Geeta Chopra:** Participated in National Seminar childhood, culture and development organized by Lady Irwin College, New Delhi, February 2011.

**Dr. Arti Nigam and Dr. Rachna Kapila:** Paper 'Microbial Diversity of vermin compost prepared from different types of wastes using *Eisenia foetida*' for presentation at 51<sup>st</sup> AMI, Ranchi, 2010.

## **Publications**

**Pannu, P. and Azaad, Y. 2010.** 'ICT4D' (2010). I.K. International, New Delhi.

**Rekhi, T. and Bhagat A. 2010.** '*Institutional Food Management: A Practical Manual*'.

**Chopra, G.** 'Stimulating development in children with disabilities at school and at home: a practical guide'.

### *Chapters in books*

**Khanna, K. and Puri, S. 2011.** Nutrition for the Aged. In *Public Health Nutrition in Developing Countries* (ed. Sheila Vir), Woodhead Publishing India Pvt. Ltd., Delhi.

**Puri, S. 2010.** Nutrition for Healthy Ageing. In *Health and Ageing in the World's Largest Democracy* (ed. Shanthi Johnson), Nova Science Publishers, USA.

**Puri, S. and Anand, D.P. 2010.** Nutritional Care in Cancer. In *Sahayata: A hand book for persons touched with cancer*. Cancer Patients Aid Association, New Delhi.

- Puri, S. 2010.** Food technologies for healthy diets for senior citizens. In *Assistive Technologies for Healthcare* (ed. Sujan Bhatia and Vinita Sharma), Associated Book Service.
- Azad, Y. 2010.** M- Governance for Development. In *Media and Communication Research Changing Paradigms*, ISBN: 978-81-212-1096-6, New Delhi: Gyan Publishing House.
- Walia, A. 2010.** Sui Dhaga- crossing boundaries through the needle and thread. In *Embroideries in Asia*, published by India International Centre.
- Vaid, N. 2011.** *Media Programs in My Language: Step towards National Integration*. (ed. Om Gupta and Sudesh Sharma), New Delhi: Gyan Publishing House.
- 2011.** *SNS: New Public Sphere for Good Governance* (ed. Om Gupta and Sudesh Sharma), New Delhi: Gyan Publishing House.
- Das, R. 2010.** Development and Disruption: Problematizing Tribal Education in Independent India. In *Equity and Education in India: Policy, Issues and Challenges* (ed. D. Parimala), New Delhi: Kanishka Publishers and Distributors.

#### *Research Articles*

- Vohra, A., Kaur P. and Satyanaryana, T. 2011.** 'Production, characteristics and application of cell bound phytase of *Pichia anomala*. Anton'. *Van Leeuwenhoek Int. J. Gen. Mol. Microbiol.* 99(1): 51-55.
- Bhagat, N. and Virdi, J.S. 2010.** 'The Enigma of *Yersinia enterocolitica* biovar 1A'. *Crit. Rev. Microbiol.* 37: 25-39.
- Misra, A., Nigam, P., Hills, A.P., Chadha, D.S., Sharma, V., Deepak, K.K., Vikram, N.K., Joshi, S., Chauhan, A., Khanna, K., Sharma, R., Mittal, K., Passi, S.J., Seth, V., Puri, S., Devi, R., Dubey, A.P. and Gupta, S. 2011.** 'For Physical Activity Consensus Group-Consensus Physical Activity Guidelines for Asian Indians'. *Diabetes Technol. Ther.*
- Misra, A., Sharma, R., Gulati, S., Joshi, S.R., Sharma, V. and Puri, S. et al.** For The National Dietary Guidelines Consensus Group. Consensus Dietary Guidelines for Healthy Living and Prevention of Obesity, the Metabolic Syndrome, Diabetes.
- Marwaha, R.K., Tandon, N., Agarwal, N., Puri, S., Agarwal, R., Grewal, K., Reddy, D.H.K., Singh, S. and Mani, K. 2010.** Impact of two regimens of vitamin D supplementation on Calcium – Vitamin D- PTH axis of school girls of Delhi (India). *Indian Ped* 47 (9): 761-769 (Sept.2010); epub 15.01.
- Puri, S. 2010.** Recommendations on HIV and Infant Feeding: An Update. Nutrition in Disease Management, Update Series 25, Centre for Research on Nutrition Support Systems.
- Arora, R. and Singh, S. 2010.** 'A Comparative study of banking services and customer satisfaction in Public, Private and Foreign Banks'. *Journal of Ergonomics*. ICS NO.976-5239.

**2010.** 'Ergonomic Intervention for averting Musculo-Skeletal disorders'. *Journal of Agricultural Sciences*. ICS NO.976-6898.

**Tuli, M. and Chaudhary, N. 2010.** 'Elective interdependence: Understanding individual agency and interpersonal relationships in Indian families'. *Culture and Psychology*. 16: 477-496.

**Chauhan, G., Mahna, R. and Khanna, K. 2010.** 'Role of rural women in agriculture'. *Journal of Eco-Friendly Agriculture*. 5: 139-142.

**Dalal, J. 2011.** George Herbert Mead: A Social Psychologist. *Contemporary Education Dialogue*. 8 (1): 85-103, Sage.

**Gulati, N. 2010.** Abstracts 'Demystifying the notion of activity in resource room.' 17<sup>th</sup> International Conference on Learning, Hong Kong.

**Mahna, R. and Sharma, M.** 'A study of metabolic syndrome and physical activity in urban adults' at the annual meet of the International Society of Behavioral Nutrition and Physical Activity Minneapolis, USA, June 2010.

Paper on 'Metabolic Syndrome in urban adults' presented at the Annual meet of the National Institute of Nutrition at Mumbai in November 2010 by Dr. Ranjana Mahna.

**Raman, K., Marwaha, R.K., Puri, S., Tandon, N., Dhir, S., Agarwal, N., Bhadra, K. and Saini, N. 2010.** 'The effects of sports training and nutrition on bone mineral density in young Indian healthy females'. *Indian J. Med. Res.*

## INSTITUTE OF HUMAN BEHAVIOUR & ALLIED SCIENCES

### Library Development

Total Budget	:	₹ 20 Lakhs
Books added	:	310
Journals subscribed to	:	54 online resources journals

### Honours/Distinctions

**Prof. Nimesh G. Desai:** State Level Health Award conferred.

Selected by a jury consisting of nine eminent personalities from different fields for Swastha Bharat Samman Award for distinguished work in the field of Psychiatry.

**Dr. Rima Kumari:** Received E.K. Zavoisky stipend from ISMRM-2010, International Society for Magnetic Resonance in Medicine.

**Dr. C.B. Tripathi:** Winner of Conference Award for Scientists of International Society for Clinical Biostatistics at the 31<sup>st</sup> Annual Conference of the ISCB in Montpillier, France, 29 August 2010.

### **Seminars/Conferences attended**

**Dr. Kiran Bala:** Attended 4<sup>th</sup> World Congress on Controversies in Neurology at Spain, 28-31 October 2010.

**Dr. Sujata Chaturvedi:** Attended the Oncology Society Conference, Glasgow, 23-25 June 2010.

**Dr. Anshu Gupta:** Guest speaker International Conference Fine needle aspiration of a huge pelvic mass involving iliac bone in EPS Global International Cancer Symposium, China, 9-10 July 2010.

**Dr. Sangeeta Sharma:** Attended 'Procurement and Supply Chain Management' an orientation Workshop organized by Grant Management Solutions and Management Sciences for Health, Arlington, USA, 20-24 September 2010.

**Dr. Nimesh G. Desai, Dr. Deepak Kumar and Dr. Om Prakash:** Attended the International Conference-cum-Workshop on Asia Pacific Community Mental Health Development at NIHF, New Delhi, 17-19 February 2011.

**Dr. Nimesh G. Desai:** Attended the Seminar Banyan Academy of Leadership in Mental Health at Chennai, 1-3 July 2010.

Participated as Guest Speaker in the Scientific Session-I in Annual Conference of IPS, Gujarat State Branch at Hotel Mappel Abhay, Paota Circle, Jodhpur, 3-5 September 2010.

**Dr. Kiran Bala and Dr. Aldrin Anthony:** Attended the 13<sup>th</sup> Annual Conference of Delhi Neurological Association (DNACON-2011) and Conference on Tropical Neurological Disorders & CNS Infection, Tropicon, 2011 and 7<sup>th</sup> Delhi Nurses Update (DNNA 2011), G.B. Pant Hospital, 29-30 January 2011.

**Dr. Kiran Bala:** Chaired sessions in International Headache Conference 2010 at G.B. Pant Hospital, 26-28 November 2010.

**Dr. Suman Kushwaha:** Presented a paper 'Cognitive Dysfunction in Parkinson's Disease' - An Indian Study in the European Federation of Neurological Sciences at Switzerland, 23-28 September 2010.

**Dr. Aldrin Anthony:** Attended International Headache Conference at G.B. Pant Hospital, New Delhi, 26-28 November 2010.

Attended the International Workshop on 'Nerve Muscle Disorders-2011' at G.B. Pant Hospital, 18- 20 February 2011.

**Dr. Pankaj Upadhyay:** Attended International- National Conference of Neurocon – CNS (word neurological association) at Jaipur.

Attended International - National Conference on Paediatric Neurosurgery and hands on Workshop at Hyderabad.

Attended National neurotrauma Conference and cadaveric dissection Workshop on neuroendoscopy and cervical fixation technique at Chennai.

**Dr. V.K.S. Gautam:** Attended 19<sup>th</sup> Annual Conference of Neurotrauma Society of India at Chennai, 20-22 August 2010.

Attended 19<sup>th</sup> Annual Conference of Indian Society of Pediatric Neurosurgery - 'Neuropedicon-2010' and CME of International Society of Pediatric Neurosurgery at Hyderabad, 17-21 November 2010.

Presented a paper on 'Brainstem Tuberculoma Presenting as Stroke' Joint 13th Annual Conference of Delhi Neurological Association (DNAICON-2011) & Conference on Tropical Neurological Disorders (CTND) & CNS Infections (CNSI)-TROPICON-2011.

Chairperson Video Session on Movement disorders, Epilepsy & Endoscopic 3rd Ventriculostomy on 29 January, 2011 at G.B. Pant Hospital, Joint 13th Annual Conference of Delhi Neurological Association (DNAICON-2011) & Conference on Tropical Neurological Disorders & CNS Infections (CNSI)-TROPICON-2011.

**Dr. Tej Bahadur Singh:** Attended the National Seminar on Spiritual Psychology at Aligarh, UP, 28-30 October 2010.

Attended the XVII National Conference of Indian Association of Social Psychiatry at Kochi, Kerala, 19-21 November 2010.

**Dr. Vibha Sharma** Presented a paper on 'Spiritually augmented Cognitive Behaviour Therapy: It's Relevance and Efficacy in Indian Context' at National Seminar on Spiritual Psychology at AMU, Aligarh, 28-30 October 2010.

Presented 'Positive and Spiritual Psychology to Address Public Mental Health: Need of the Day' in the XVII National Conference of Indian Association of Social Psychiatry, IMA House, Cochin, Kerala, 19-21 November 2010.

Presented a paper on 'Depression, Anxiety and Quality of Life of Infertile Women' in the XXth Annual Conference of National Academy of Psychology at JNU, New Delhi, 12-15 December 2010.

Presented a paper on 'Perceived Stress, Family Burden and Coping among the spouses of Alcohol Dependents', 63rd Annual National Conference of Indian Psychiatric Society, 16-19 Jan. 2011.

Symposium and presented 'Therapeutic and Rehabilitative Services for Offenders', Symposium 'Clinical and Cognitive Psychology in Forensic Set-ups', 37th National Annual Conference of the Indian Association of Clinical Psychologists at IBS, GFSU, Gandhinagar, 21-23 January 2011.

Participated in International Conference-cum-Workshop on Asia Pacific Community Mental Health Development, held at NIHFWS, 17-19 February 2011.



**Dr. Naveen Grover:** Chaired Multimodal Interactive session on Health and Psychology and on Application of CBT in *Conference 'Mind, Culture And Human Activities: Psychological Sciences In Twenty First Century'* held in The 20th Annual Conference of NAOP, JNU, New Delhi, 12-15 December 2010.

**Dr. Mukul Jain:** Attended Annual Conference of ISA-Delhi Chapter- 2010 at New Delhi, 3-4 April 2010.

Attended XI HISICON 2011, Eleventh National Conference of Hospital Infection Society – India at Indian Habitat Centre, Delhi, 9-12 February 2011.

Attended 2<sup>nd</sup> Conference of Asian Society for Neuroanaesthesia and critical care and 12<sup>th</sup> Annual Conference of Indian Society of Neuroanaesthesiology and critical care organized by AIIMS, Delhi, 25-27 February 2011.

**Dr. Arvind Arya:** Attended 48<sup>th</sup> Annual Conference of ISA Delhi Chapter, organized by Department of Anaesthesiology and Critical Care, organized by Department of Anaesthesiology and Critical Care, MAMC & LN Hospital, Delhi, 3-4 April 2010.

Attended NABH Conference and Workshop on internal counsellor programme on NABH Standards, conducted by Quality Council of India at IHBAS, Delhi, 18-20 July 2010.

Attended DNACON-TROPICON 2011, Annual Conference of Delhi Neurological Society held at G.B. Pant Hospital, 29-30 January 2011.

Attended XI HISICON 2011, 11th National Conference of 'Hospital Infection Society – India' at India Habitat Centre, Delhi, 9-12 February 2011.

Attended and presented a paper on 'Evaluation of the effect of different doses of Clonidine on haemodynamics and recovery profile in patients undergoing modified ECT' in 58th Annual Conference of Indian Society of Anaesthesiologists, ISACON-2010 organized by Department of Anaesthesiology and Critical Care, organized by Department of Anaesthesiology and Critical Care, SGPG Institute, Lucknow, 26-29 December 2010.

Attended and presented a paper on 'Evaluation the role of Bi-spectral index in patients undergoing modified ECT' in 2<sup>nd</sup> Conference of Asian Society for Neuroanaesthesia and critical care & 12<sup>th</sup> Annual Conference of Indian Society of Neuroanaesthesiology and critical care organized by AIIMS, Delhi, 25-27 February 2011.

**Dr. Naveen Kumar:** Attended the International Conference & CME cum Workshop on Pharmavigicvigilance & Ration use of Medicines, on Integrated approach (PHARMAVIGICON-2010) at Lady Hardinge Medical College, 26-28 November 2010.

**Dr. Sujata Chaturvedi:** Attended the Oncology Society Conference, Glasgow, 23-25 June 2010.

**Dr. Anshu Gupta:** Guest speaker in an International Conference Fine needle aspiration of a huge pelvic mass involving iliac bone. In the EPS Global International Cancer Symposium in Nanjing, China, 9-10 July 2010.

Attended XVI Indo-US International CME in Surgical Pathology, Cytology and Hematology, at Allahabad, 11-13 February 2011.

**Dr. Pant:** Attended 51st Annual Conference of Indian Society of Haematology and Transfusion Medicine (ISHTM) 2010; EZCC, Kolkata, 18-21 November 2010.

**Dr. Renu Goyal:** Attended the 11<sup>th</sup> National Conference of the Hospital Infection society India held at India Habitat Centre, 10-12 February 2011.

Attended the Conference on Safe and effective Biomedical Waste Management held at India Habitat Centre, 30-31 October 2010.

**Dr. Neelam Chhillar:** Attended and Thyroid Function Tests in children with epilepsy. 48<sup>th</sup> Annual Conference of Indian Academy of Pediatrics, Jaipur, 19-23 January 2011.

**Dr. Rachna Agarwal:** Attended 23rd Annual Conference of the Indian Society for Atherosclerosis at UCMS & GTB Hospital, Delhi, 13-14 November 2010.

Attended International Conference on Health Infrastructure & Medical Technology, 2011 at AIIMS, New Delhi, 2-5 February, 2011.

**Dr. C.B. Tripathi:** Presented a paper in '31st Annual Conference of International Society for Clinical Biostatistics', held at Montpellier, France, 27 August-3 September 2010.

Presented a paper in '28th Annual Conference of Indian Society for Medical Statistics on Medical Statistics in Improving Health and Hospital Management' organized by National Institute of Health and Family Welfare & National Institute of Medical Statistics, New Delhi, 11-13 November 2010.

**Dr. Jahanara M. Gajendragad:** Attended the XXIX Annual Conference of ISPSW and International Conference on 'Social Work and Environmental Justice' at Cochin, Kerala, 7-9 January 2011.

**Dr. Ravinder Singh:** Presented a paper titled as Anthropology of Care: Patients with Neurological Diseases by Ravinder Singh, V.Sharma and Upmesh K. Talwar (2011). National Seminar Globalization, Urbanization And Migration: Anthropological Dimensions of Trends And Impacts, Department of Anthropology, University of Punjab, Chandigarh, 27-28 January 2011.

### **Publications**

**Sinha, U.K. and Kumar, D. 2010.** Mindfulness-based cognitive therapy with emotionally disturbed adolescents affected by HIV/AIDS in Journal of Indian Association of Child & Adolescent Mental Health; 6: 19-30.

**Devi, M.G., Singh, V. and Bala, K. 2010.** 'Knowledge, attitude and practices among patients of epilepsy attending tertiary hospital in Delhi, India and a Review of Indian Studies'. *Neurology Asia*; 15(3): 225-23.

**Grover, S., Talwar, P., Devi, G.M., Gupta, M., Bala, K., Sharma, S., Baghel, R., Kaur, H., Sharma, A. and Kukreti, R.** Genetic polymorphisms in sex hormone metabolizing genes and drug response in women with epilepsy. *Pharmacogenomics*. 2010 Nov., 11(11): 1525-34.

**Grover, S., Talwar, P., Baghel, R., Kaur, H., Gupta, M., Devi, G.M., Bala, K., Sharma, S. and Kukret, R.** 'Genetic variability in estrogen disposition: Potential clinical implications for neuropsychiatric disorders'. *Am J. Med Genet B Neuropsychiatr Genet*. 2010 Dec. 5; 153B(8):1391-410.doi:10.1002/ajmg.b.31119. Epub 2010 Sep 30.

**Grover, S., Bala, K., Sharma, S., Devi, G.M., Baghel, R., Kaur, H., Gupta, M., Talwar, P. and Kukreti, R.** 'Absence of a general association between ABCB1 genetic variants and response to antiepileptic drugs in epilepsy patients'. *Biochimie*. 2010 Sep; 92(9):1207-12. Epub 2010 Apr. 24.

**Grover, S., Bala, K., Sharma, S., Devi, G.M., Baghel, R., Kaur, H. and Gupta, M. Narayanasamy, K.,Varma, B., Gupta, M., Kaur, K., Talwar, P., Kaur, H., Giddaluru, S., Sharma, A. and Brahmachari, S.K.** 'Indian Genome Variation Consortium, Kukreti R. Genetic profile of patients with epilepsy on first-line antiepileptic drugs and potential directions for personalized treatment'. *Pharmacogenomics*. 2010 Jul; 11(7): 927-41.

**Kushwaha, S.** Role of Vitamin B<sub>12</sub>, Folate, Thyroid stimulating hormone in dementia: A hospital-based study north Indian population. Rachna Agarwal, Neelam Chillar, Suman Kushwaha, et. al. *Annals of Indian Academy of Neurology* 2010; 13, 257-62.

**Raval, M., Kumari, R., Dung, A.A.D., Guglani, B., Gupta, N. and Gupta, R.** 'Departments of Neuroradiology and Neurology, Institute of Human Behaviour & Allied Sciences (IHBAS), Delhi. MRI Findings in Hirayama Disease'; *Indian Journal of Radiology and Imaging*; 2010 Nov; 120/4.

**Agarwal, R., Kalita, J., Pandey, S., Agarwal, S.K. and Misra, U.K.** 'Evaluation of cognitive function and P300 in patients undergoing cardiac surgery'. *Electromyogr Clin Neurophysiol*. 2010 Sep-Oct; 50(6): 259.

**Upadhyay, P. 2010.** Real time intra operative ultrasonography in the neurosurgical resection of brain lesion: a cheap, effective, and quick alternative, *Journal of Neurosurgery* in rural practice.

**2011.** A review of Medical ethics & clinical Ethics in medical practice & Doctor-patient relationship in new millennium, *JAMS*.

**2011.** Use of Real time intra operative ultrasonography (USG) in the surgical lesion is economical, fast, accurate and portable, *JAMS*.

**2010.** An overview of Medical ethics & clinical Ethics in present perspective of Doctor-patient relationship. publication in *JIMA*.

- Kumari, R. 2010.** MR findings in Hirayama disease. Raval, M., Kumari, R., Drug et. al. *Indian Journal of Radiology & Imaging*; 20(4): 245-49.
- Chaturvedi, S., Gupta, S. and Kumari, R. 2010.** 'Meningioma with metastasis from follicular carcinoma thyroid'. *Indian J. Pathol Microbiol.* 53: 316-18.
- Pant, I. and Chaturvedi, S. 2010.** 'Immunohistochemistry on Squash Smears. A Diagnostic Aid'. *Diagnostic Cytopathology.* 38: 780-81.
- Gupta, A., Sen, R., Batra, C., Banerjee, D., Gupta, A. and Jain, M. 2011.** 'Hemophagocytic Syndrome secondary to cytomegalovirus in an infant: a case report'. *J. Cytol.* 28: 36-8.
- Pant, I. and Chaturvedi, S. 2010.** 'Immunohistochemistry on Squash Smears. A Diagnostic Aid'. *Diagnostic Cytopathology.* 38: 780-81.
- Pant, I., Joshi, S.C., Kaur, G. and Kumar, G. 2010.** 'Pilomatricoma as a diagnostic pitfall in clinical practice: report of two cases and review of literature'. *Indian J. Dermatol.* 55: 390-92.
- Chhillar, N., Khurana, S., Agarwal, R. and Singh, N. 2011.** 'Effect of preanalytical errors on quality of laboratory medicine at a Neuropsychiatry Institute in North India'. *Ind. J. Clin Biochem* (Jan-Mar) 26(1): 46-49).
- Singh, R., Khurana, S., Bala, K. and Bhargava, M. 2011.** Social, Cultural and Ethical Issues in Dementia; Chapter-24; In *Clinical Neuropsychology (Assessment and Rehabilitation: A Practical Approach)* edited by Vibha Sharma and Shazadi Malhotra; Published by Harprasad Institute of Behavioral Sciences, Agra.
- Agarwal, R., Chhillar, N., Kushwaha, S., Singh, N.K. and Tripathi, C.B. 2010.** 'Role of Vitamin B<sub>12</sub>, Folate and Thyroid stimulating hormone in Dementia: A hospital-based study in north Indian population'. *Annals of Indian Academy of Neurology*; 13(4): 257-262.
- Goyal, R., Kaur, N. and Thakur, R. 2011.** 'Shewanella algae soft tissue infection: an emerging health threat'. *J. of Infection* in developing countries. 5(4): 310-312.
- Thakur, R., Goyal, R. and Smita, S. 2010.** 'Laboratory diagnosis of Tuberculous meningitis-is there a scope of further improvement'. *J. Lab Physicians.* 2: 21-24.
- 2010.** 'The Existence of Metallo beta lactamases in carbapenem susceptible gram negative bacilli: a cause for concern'. *J. of Clin and Diagn Research*; 4: 2679-2684.
- Misra, A., Aggarwal, A., Singh, O. and Sharma, S. 2010.** 'Effect of Carbamazepine Therapy on Vitamin D and Parathormone in Epileptic Children'. *Pediatr Neurol.* 43: 320-324.
- 2010.** 'Genetic polymorphism in sex hormone metabolizing genes and drug response in women with epilepsy'. *Pharmacogenomics.*

'Genetic variability in estrogen disposition – potential clinical implications for neuropsychiatric disorders'. *The International Journal of Neuropsychopharmacology* (Int JNP-10-0082).

**Grover, S., Devi, M.G., Baghel, R., Sharma, S., Bala, K., Gupta, M., Narayanasamy, K., Varma, B. Gupta, M., Kaur, K., Talwar, P., Kaur, H., Giddaluru, S., Sharma, A., Brahmachari, S.K. and Kukreti, R. 2010.** 'Indian Genome Variation Consortium Genetic profile of patients with epilepsy on first-line antiepileptic drugs and potential directions for personalized treatment'. *Pharmacogenomics*; 11(7), 927-941.

**Grover, S., Talwar, P., Baghel, R., Kaur, H., Gupta, M., Devi, M.G., Bala, K., Sharma, S. and Kukreti, R.** 'Genetic variability in estrogen disposition-potential clinical implications for neuropsychiatric disorders'. *American Journal of Medical Genetics Part B. Neuropsychiatric Genetics* article id NPG-10-0075-R1. 2 July 2010.

**Sharma, S., Khurana, R. and Chaudhury, R.R. 2010.** 'Attitude and Opinion of Users towards Delhi State Essential Medicines Formulary'. *Indian J. Pharmacology*; 42: 150-152. Reply 2011, Vol. 43: 94.

**Jain, M., Arya, A., Jha, D.K., Mehrotra, S., Sharma, U. and Mehra, A. 2010.** 'Aggravated spinal cord compression following Electroconvulsive therapy': *J. Anaesth Clin Pharmacol*, 26(4): 572. (Letter to editor).

**Jain, M.K. and Singh, R. 2010.** 'Relevance of Modified ECT in managing Psychiatric Patients': *Delhi Psychiatry Journal*, 13 (2): 247-253 (Review Article).

**Arya, A. 2010.** Research article entitled as '*Femorosciatic nerve block for lower limb orthopedic surgeries*' has published in *Journal of Clinical Orthopaedics and Trauma – JCOT/ Vol. 1/No. 1/08* in August 2010.

Research article entitled as 'Evaluation of Midazolam for Electroconvulsive therapy, a comparative study with Propofol' has published in indexed journal '*Asian Archives of Anaesthesiology and Resuscitation*' – Vol. 70, No. 1, January 2011.

Research article entitled as 'Comparison of efficacy of Epidural Fentanyl and Pentazocine for lower limb orthopedic surgeries' has published in indexed journal '*Journal of Clinical Orthopaedics and Trauma*' – JCOT/Vol. 1/No. 1/08 in January 2011.

## JANKI DEVI MEMORIAL COLLEGE

### New Course Introduce

Three months Certificate Course in Peace and Conflict Resolution.

### Special Grants

**Awarded to the College:** XIth PDA ₹ 29,00,000/-  
OBC Networking System ₹ 2,25,000/-

## Library Development

Total Budget	:	₹ 8,42,500/-
Books added	:	1,346
Journals subscribed to	:	68

## Honours/Distinctions

**Dr. Indu Anand:** Recipient of the Amity Women Achiever Award on the occasion of the Twelfth International Business Horizon - INBUSH 2010 held at Amity International Business School.

**Ms. Abha Jain:** Secured gold, silver and bronze in 800m, 200m and 1500m respectively at Delhi Master's Athletic Meet, November 2010.

**Ms. Sneha Chakradhar:** Awarded the 'Shastriya Kala Ratna Samman' in September 2010 at the Swami Haridas Samaroh, in Vrindavan. She was also recognized as a graded artiste by the Doordarshan in December 2010.

## Appointments of faculty members to higher Posts/Assignments

**Dr. Jitener Gill:** Awarded the Fulbright Visiting Lecture Fellowship 2010-2011 and taught at Pitzer College, Claremont University Consortium, California, USA for a semester.

## Seminars/Conferences attended

**Dr. Rajshree Chandra:** Presented paper titled 'Biotechnology and the Changing Architecture of Property and Rights' Workshop at the Institute for Global Law and Policy (IGLP), Harvard Law School, USA.

**Ms. Marjorie Fernandes:** Presented a paper on 'Education for Sustainable Development (ESD) in India – towards broad-based teaching, learning and evaluation of students' in an International Conference on Learning and Community Enrichment (ICOLACE 2010) Traders Hotel, Singapore, 26-29 July 2010.

**Dr. Sanju Gupta:** Presented the paper 'Regime Instability in Iraq and the Geo-Politics of Oil: Fall out for Asia's Energy Security', at the Cambridge Gulf Research Meet, University of Cambridge, UK, 7-10 July 2010.

**Dr. Rajshree Chandra:** Presented a paper titled 'Biotechnology and the Changing Architecture of Property and Rights' Workshop at the Institute for Global Law and Policy, Harvard Law School, USA, 31 May – 10 June 2010.

**Dr. Indu Anand:** Delegate and participant at the International Conference on 'Shaping the Future of Indian Higher Education' held at India Habitat Centre organized by the EDGE Forum 2011.

**Dr. Deepali Bhanot:** Presented a Paper on 'Violence Against Women: Exploring Religious and Traditional sanctions' at the International Seminar on, 'In the name of Honour: A Dialogue on Androcentric Matrimonial Practices and Women's Subjugation in South Asia' organized by the WSDC, University of Delhi, 16-18 February 2011.

Presented a paper on, 'The Concept of Ethics in Hinduism' at the International Seminar on 'Peaceful Co-Existence in Religions: Basics of Ethics in Islam and Indian Religions' organized by Al-Mustafa International University, Qom, Iran in collaboration with Al- Mustafa Islamic Research Society, New Delhi at India Islamic Cultural Centre, Lodhi Road, 5-6 March 2011.

**Ms. Deepshikha:** Participated in an International Conference on 'The Global Crisis and Hegemonic Dilemmas' at India International Centre, 8-10 November 2010.

Participated in the International Symposium on 'Globalization, Justice and Democracy' at Conference Centre, Delhi University, 11 November 2010.

**Dr. Deepali Bhanot:** Presented a paper on, 'Status of Women in the Dharmashastras' at the UGC (SAP) Seminar organized by Department of Guru Nanak Studies, Amritsar, on the Theme, 'Status and Role of women in World Religions', at Amritsar, 10-11 March 2011.

**Ms. Marjorie Fernandes:** Presented a paper on 'Full employment in the context of NREGA' at the 52nd Annual Conference of the Indian Society of Labour Economics at Karnataka University, Dharwad, 17-19 December 2010.

Presented a paper on 'Climate Change, Environment and Economic Development – the Role of Education' in 93rd Annual Conference of the Indian Economic Association at Punjab University, Chandigarh, 27-29 December 2010.

**Ms. Shubhra Dey:** Participated in the 'American Studies Pedagogical Workshop' at American Center, 13-14 December 2010.

**Dr. Prerna Arora:** Attended a National Seminar at Vigyan Bhawan on the occasion of Swami Vivekananda's 150th birth anniversary

Attended Seminar on Education held at Ramkrishna Mission on 12-13 February 2011.

**Dr. Sanju Gupta:** Participated in the 'Asia Security Conference', organized by the Institute for Defense Studies and Analyses, New Delhi, 16-18 February 2011.

**Dr. Rajni Bala Anuragi:** Presented a paper on 'Aupniveshik Mansikta Aur Bhasha ki Rajniti' at National Conference at Indraprastha College.

**Ms. Amita Charan:** Presented a paper on 'Technological reforms and Mobile Banking in India' in a National Conference on 'Financial sector reforms in India', organized by SBS, University of Delhi, 21-22 January 2011.

**Ms. Savita Chaudhury:** Presented a paper 'Jain Precepts on Philosophy in Padmapurana', at the Indian History Congress, held in Malda, West Bengal, 11-13 February 2011.



**Ms. Sangeeta Kumar:** Presented a paper 'Development of Women's Education in Delhi (1911-1947)', at the Indian History Congress, held in Malda, West Bengal, 11-13 February 2011.

## **Publications**

### *Books*

**Chandra, R, 2010.** *Knowledge as Property: Issues in the Moral Grounding of Intellectual Property Rights.* Delhi: Oxford University Press.

### *Articles*

**Pal, S. 2010.** 'Theatre and Activism: The Agit Prop Theatre way' in *Music and Arts in Action*, Vol. 3, Issue 1, November 2010.

**Chandra, R. 2010.** 'The role of reconciling National laws in reconciling constitutional right to health with TRIPS obligations: an examination of the Glivec patent case in India'. In Thomas Pogge, Matthew Rimmer, Kim Rubenstein (eds), *Incentives for Global Health.* Cambridge: Cambridge University Press.

**Gupta, S. 2010.** 'Energy Cooperation for Energy Security: Exploring the South Asian Potential'. In S. Soz and R.N. Srivastava (ed.) *SAARC: Emerging Challenges*, New Delhi: Foundation for Peace and Sustainable Development.

**2010.** 'The TAPI Gas Pipeline and Energy Geo-Politics: Implications for India', in the *Eurasia Critic*, February 2011, pp.15-21.

**Upadhyaya, S. 2010.** 'Role of SAARC in Media' in *SAARC Emerging Challenges* published by Ministry of External Affairs, Government of India.

**Charan, A. 2010.** 'Carbon Trading' in *Journal of Management 'Efulgence'*, Vol. 8.

**Charan, A. and Dahiya, S. 2010.** 'Carbon Crediting, Emission trading and Carbon Market an emerging opportunity for India' in *DIAS TIMES*, Journal of Delhi Institute of Advanced Studies, Vol. 10.

**Deepshikha, 2010.** 'Bharat Mein Nirvachan: Rajneeti Aur Matdaan Vyavhaar'. In B.N. Chaudhary and Yuvraj Singh (eds.) *Bhartiya Shasan Aur Rajneeti*, Orient Blackswan, Delhi.

**Singh, R. 2010.** 'Confronting and Combating Terrorism: SAARC's Role' in Saifuddin Soz and R.N. Srivastava (eds.) *SAARC – Emerging Challenges*, Foundation for Peace and Sustainable Development, pp. 383-398.

## JESUS AND MARY COLLEGE

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Sejal K. Parikh	English (Hons.)	III
Smita Bhatia	Economic (Hons.)	II
Sukriti Prabhdyal	Economic (Hons.)	III
Karuna Mamtani	Mathematics (Hons.)	II
Neera Gopa Kumar	Pol. Science (Hons.)	II
Misha Mary Kumar	Psychology (Hons.)	I
Madhavi Lahari	Psychology (Hons.)	II
Akansha Chandale	B.A. Programme	III
Priyeshu Jain	B.Com.	I
Meenu N.C. Thomas	B.El.Ed.	I
Priyanka Gautam	B.El.Ed.	II
Jaspinder Kaur	B.El.Ed.	III

### Special Grants/Assistance/Projects

**Awarded to the College** : ₹ 19,350,000.00  
XI Plan grant

### Library Development

Total Budget : ₹ 98,25,000/-  
Journals subscribed to : 108

### Appointments of faculty members to higher Posts/Assignments

**Dr. (Ms.) Anita Ghai:** Fellow Nehru Memorial Museum & Library.

### Honours/Distinctions

**Dr. Preeti Singh:** Awarded prize for best paper at the National Seminar: Does SEBI Require a Super Regulator for Capital Market Stability? An appraisal jointly with Richa Dani at Shahid Bhagat Singh College, Delhi University, January 2011.

### Seminars/Conferences attended

**Dr. S. Bhattacharji:** 'Cold File: The Story of Constance Prem Nath Dass, or Christian Educators and Education in India.' Sixth Galway Conference on Colonialism: Education and Empire, Galway, Ireland.

**Ms. R. Subbu:** Postfeminist Postmortems? International Seminar, Department of English, Delhi University, Vice Regal Lodge Convention Hall.

**Dr. Preeti Singh:** Women in Entrepreneurs: Issues and Perspectives International Seminar at BHU, Varanasi on October 2010.

**Dr. Reena Marwaha:** Presented a paper titled : Public Diplomacy : Towards a credible India at the Department of South Asian Studies, Rajasthan University, Jaipur, at a Conference titled Impact of domestic politics on foreign policy, organized by Association of Asia Scholars in collaboration with Rajasthan University, 5 February 2011.

**Dr. Sushila R:** 'Globalization versus Isolationism: To be on the right or wrong side of history in Globalization II – Market Economy and Gandhian Ethics – XXXIII Annual Conference of Indian Society of Gandhian Studies, IGNOU, 29-30 October 2010.

**Ms. Sunita Narain:** Indo-European Conference on quality assurance in higher education. Attended Conference on General Equilibrium Trade Models – Canada – India.

**Ms. Suparna Bakaya:** Abstract of paper entitled 'Theory of Mind & Peer Relationships' published during International Conference on Mind, Culture & Human Activities at NAOP (National Association of Psychology), JNU, 14-15 December 2010.

**Ms. Bandana Rekhi:** International Conference on Positive Psychology, Jaipur, Research Article: 'Preditors of functional outcome in burn injured patients', August 2010.

International Conference on Music Therapy, Vishakhapatnam, Conceptual Article: Music: The New Psychosocial Therapeutic Tool for Schizophrenia, December 2010.

Conceptual Article: Adjustment following Spinal Cord Injuries, 49th ISCOS, 10th SCS, 9th ASCON International Conference, Delhi, November 2010.

37th NACIACP Conference at Gujarat, January 2011.

**Dr. Sunita Kaistha:** National Seminar on Gender and Development in the World of Work and Health with focus on Women Workers in the Agrarian Sector, Kumaon University, supported by the Planning Commission. Paper Presentation at Nainital on 19-20 November 2010.

**Dr. Mani A. Nandi:** Microfinance Researchers Alliance Programme Seminar Two Research Papers presented 'Savings Behaviour of the Urban Poor' and 'Proportion of Defaulter Clients to Repayment Clients'. Centre for Microfinance Chennai on 6 August 2010.

National Conference at College of Agricultural Banking in collaboration with Centre for Microfinance, Chennai. Microfinance-Translating Research into Practice at College of Agriculture Banking, Pune BIRD Campus, Lucknow, UP on 12-13 January 2011.

2nd National Seminar on Microfinance in India-Issues and Challenges' 'Migrant Remittances and Financial Inclusion – A Study of Rickshaw Pullers in Delhi' paper presented at National Inst. For Rural Devl., Ministry of Rural Devl., Hyderabad on 12-13 February 2011.

**Ms. Richa Dani:** 'Does SEBI Require a Super Regulator for Capital Market Stability (An Appraisal)' in National Seminar on 'Financial Sectors: The Road Ahead' hosted by S.B.S. College on 21-22 January 2011.

**Dr. Archana Sharma:** National Seminar: Written two papers 'Bhasha Se Bhasha teetki or Agheyavishesh Sandarbh – Asadhya Veena' in a National Seminar at Chandigarh organization by Chandigarh Sahitya Academy, Punjab, 29-30 January 2011.

'Agheya Ka Bhashik Rahasyavad' in a National Seminar at College of Vocational Studies, University of Delhi on 29-30 March 2011.

**Ms. Shefali Mishra:** Conference of the National Association of Psychology (NAOP) JNU, New Delhi, 14-15 December 2010.

National Conference on 'Indian Psychology' at IIC, New Delhi on 4-5 February 2011.

**Ms. Suparna Bakaya:** Conference of the National Association of Psychology (NAOP) JNU, New Delhi, 14-15 December 2010.

## **Publications**

### *Books*

**Singh, P. 2011.** *Financial Management*, Ane Books Third Edition.

**2010.** *Investment Management*, Himalaya Publishing House (Applied Economics Group Department of Higher Education Government of M.P.) 1<sup>st</sup> edition.

**2010.** *Fundamentals of Investment Management*, Himalaya Publishing House.

**Kaistha, S. 2010.** Gender and Development Eds. Amita. Sahaya, Dr. Sunita Kaistha & Prof. Vibhuti Patel (Published by The Women Press, New Delhi).

### *Research Articles*

**Bhattacharji, S.** 'Naming the Karakoram: The Debate of the 1930s', Article, Mountain Travel Writing.

Mountains Figured and Disfigured in the English-Speaking World, ed. Françoise Besson, pp. 532-541.

New Castle Upon Tyne, UK: Cambridge Scholars Publishing.

'Writing About the Mountains of the Indian Subcontinent in the 1930s.' Article, Mountain Travel Writing, *Indian Travel Narratives*, ed. Somdatta Mandal, pp. 165-180, Jaipur: Rawat Publishers.

### *Review*

Rick Riordan, *The Red Pyramid*; *The Book Review Children's Special*, Vol. XXXIV, No.11, The Book Review Literary Trust.

Nine Books of *The 39 Clues* series by Gordon Korman, Peter Lerangis, Jude Watson, Patrick Carman, Linda Sue Park, and Margaret Peterson Haddix, *The Book Review Children's Special*, Vol. XXXIV, No. 11, The Book Review Literary Trust.

Hardwari Lal, *Understanding Politics and Society (1910-1997)*, Ed. Prem Choudhry, *Biblio: A Review of Books*, Biblio Charitable Trust.

*Research Article*

**Pillai, S.** Back to the Future: Tracking the Moral Imperative in, of and through *Samskara*, Refereed International Journal: *College Literature* In affiliation with West Chester University, Pennsylvania.

Gender Representation in U.R. Anantha Murthy's *Samskara*' Refereed International Journal: *South Asia Research* 31.2 (SOAS). Sage Journals.

Configuring a New Swaraj: Vaasanthi's Birthright and a Woman's Search for Self-Validation, Refereed International Journal: *South Asia Research* 31.2 (SOAS).pp. 37-61, South Asia Literary Association, an Allied Organization of the Modern Language Association (MLA) In affiliation with University of Pittsburgh, Johnstown.

Review of *The Indian English Novel: Nation, History, and Narration* by Priyamvada Gopal, International Journal: *Notes and Queries*, Oxford Journals.

Other Tongues: Rethinking Language Debates in India edited by Nalini Iyer and Bonnie Zare, Refereed International Journal: *Contemporary South Asia*, pp. 460-61, Routledge Journals.

*Understanding Indian Movies: Culture, Cognition and Cinematic Imagination* by Patrick Colm Hogan, International Refereed Journal: *College Literature*, pp. 210-213, In affiliation with West Chester University, Pennsylvania.

Review of *The Modernity of Sanskrit* by Simona Sawhney, Refereed International Journal: *Contemporary South Asia*, pp. 236-238, Routledge Journals.

Timothy Bewes, *The Event of Postcolonial Shame*, Eli Park Sorensen, *Postcolonial Studies and the Literary*, and Sten Pultz Moslund, *Migration Literature and Hybridity*, Commissioned Review essay around these three books, International Refereed Journal *Studies in the Novel*.

**Sharma, R.** 'Traumatic memories and communal identities: Witness accounts of the Partition', *Creative Forum: Journal of Literary and Critical Writings*, Vol. 23, No. 1-2, pp. 41-48, Bahri Publications.

**Singh, P.** Corporate Buy Back of Shares Indian Experience and International Comparison Jointly with Richa Dani, *Business Analyst*, SRCC Journal, India 2011.

Women Entrepreneurs: Issues and Perspectives, Women Entrepreneurship Development Issues and Perspectives, (Editors Usha Kiran Rai and Alok Kumar Rai) Conference Research Papers, Macmillan Publishers India Ltd., 2010.

**Dani, R. 2011.** Corporate Buy Back of Shares Indian Experience and International Comparison Business Analyst, SRCC Journal, India.

**Sushila, R.** Articles ‘Sociologist with a human face’ Daniel Bell, *The Statesman*, 2011.  
 Corruption thwarts progress – The Spreading Canker and the lack of Political Will’ *The Statesman*, 24 February 2011.  
 Articles: ‘Constitutional Monarchy: not an oddity but a rational choice’. *The Statesman*, 16 July 2010.  
 Review of Religion, Community and Development: Changing contours of Politics And Policy in India edited by Mahajan, G. and Swinder, S. Jodhka, *Economic and Political Weekly*, pp. 31-32, 19 March 2011.

**Giri, N.** *Indian Govt. and Politics:* Tripura University Distance Education Programme Study Material in association with Vikas Publishing House Pvt. Ltd., New Delhi.

**Bakaya, S.** Entitled ‘Theory of Mind & Peer Relationships’ Abstract of paper International Conference on Mind, Culture & Human Activities at NAOP (National Association of Psychology), JNU, 14-15 December 2010.

**Rekhi, B.** ‘Predictors of functional outcome in burn injured patients Published in International Conference on Positive Psychology, Jaipur, August, 2010.

‘Music’ The New Psychosocial Therapeutic Tool for Schizophrenia Published in Conference proceedings in the International Conference on Music Therapy, Vishakhapatnam, December 2010.

Narrative Therapy for Psychosis Conference proceeding of NAOP Conference, JNU, December 2010.

Adjustment following Spinal Cord Injuries 49th ISCOS, 10th SCS, 9th ASCON International Conf., November 2010.

## **KESHAV MAHAVIDYALAYA**

### **Special Grants/Assistance/Projects**

₹ 22,50,000 from UGC for XIth five year plan.  
 ₹ 1,00,000 Non-Recurring GIA from Govt. of NCT of Delhi  
 ₹ 5,05,000 Recurring GIA from Govt. of NCT of Delhi  
 ₹ 10,000 GIA for Environment from Govt. of NCT of Delhi  
 ₹ 50,000 sports grant from Govt. of NCT of Delhi

Awarded to Individual Teachers: The following teachers have been granted Travel Assistance for presenting papers at International Conferences by UGC and CSIR.

Dr. Jagneet Kaur Anand (Department of Electronics)	-	₹ 1,07,746
Dr. Divya Haridas (Department of Physics)	-	₹ 82,864
Mr. Jasmeet Singh (Department of Physics)	-	₹ 95,817

## Library Development

Total Budget	:	₹ 13,61,000
Books added	:	2,601
Journal Subscribed	:	24

## Appointments of faculty members to higher Posts/Assignments

**Mr. Subodh Pandit:** Appointed Consultant to Department of International Development for the project 'Regression Analysis and Sensitivity Analysis on Causes of Under-3 Malnutrition in India based on NFHS data' in June-July 2010.

## Honours/Distinctions

**Mr. Jasmeet Singh:** Awarded with 'Best Poster Prize' in the National Conference 'DAE-BRNS Symposium on Atomic, Molecular and Optical Physics' at Karnataka University, Dharwad, 22-25 February 2011.

## Seminars/Conferences attended

**Ms. Amanjot Sachdeva and Ms. Sonu Mehta:** Attended a National Seminar on 'Globalisation and Indian Economy', Sri Guru Tegh Bahadur Khalsa College, University of Delhi, 9-10 March 2011.

**Dr. Priti Sehgal and Ms. Roli Bansal:** Communicated a paper titled, 'Using PSO in Image Hiding Scheme based on LSB Substitution' at First International Conference on Advances in Computing and Communication in March, 2011.

**Ms. Anjali Thukral:** Participated and presented a paper titled, 'Automatic Organization of Web Resources in Ontologies for Learning Purpose' at 2nd International Conference on e-Education, e-Business, e-Management and E-Learning held on Mumbai, India.: IEEE on 7--9 January 2011.

Participated and presented a paper titled, 'Social Semantic Retrieval and Ranking of eResources' at Second International Conference on Advances in Recent Technologies in Communication and Computing, Kerela, 16-18 October 2010.

**Ms. Richa Sharma:** Presented a paper titled, 'Social Support Based Multi-Agent Framework for Designing an e-Learning Course' on IEEE International Conference on Information and Education Technology (ICIET 2011) at Guiyang, China.

**Ms. Bhawna Gupta:** Presented a paper titled, 'An Agent based Reputation System for Unreliable Grid Environment' at the 3rd International Conference on Computer Modeling and Simulation held at Bombay, 7-9 January 2011.

**Ms. Manjari Singh:** Presented a paper titled 'Adrienne Rich's Poetry: An Ecofeminist Perspective' in the National Seminar 'Criticism and Environment Praxis: An Academic Approach towards Ecological Humanism' organised by Bharati College, 24-25 Feb. 2011.



Participated in the International Seminar on 'Postfeminists Postmortems? Gender, Sexualities and Multiple Modernities'. Organised by the Department of English, University of Delhi, 14-16 February 2011.

**Dr. Jagneet Kaur Anand:** Participated and presented a paper at an International Conference 'PHOTON 10' held at University of Southampton, Southampton, UK., 22-26 August 2010.

**Dr. Rubina Mittal:** Attended International Congress on Productivity, Quality, Reliability, Optimization and Modelling held at New Delhi, 7-8 February 2011.

**Dr. Dhanpal Singh:** Presented a paper titled 'Reliability Evaluation of Series Parallel System under Head Line Repair Policy' with reference no. C084 in Third National Conference on Mathematical Techniques (MATEIT) held at New Convention Centre, University of Delhi, New Delhi, 30-31 January 2010.

Participated in the National meet on History of Mathematical Sciences held at Conference Centre, University of Delhi, 7-9 January 2010.

**Dr. Hemant Kumar Singh:** Attended International Conference of Mathematicians, 2010 held at Hyderabad, 19-27 August 2010.

**Mr. Ashish Bansal:** Attended National Workshop on Differential equations, Computing and Modeling organised by Department of Mathematics, University of Delhi, 20-24 December 2010.

**Dr. Dimpay Mahanta:** Abstract titled 'Stress in Police Personnel in terrorist driven districts of Assam' got selected for Paper Presentation at the 9th Conference of the European Academy of Occupational Health Psychology which was held at the Pontifical Urbaniana University, Rome, 30-31 March 2010.

**Dr. Kanupriya Goswami:** Participated in the 'Indo-European Conference on Quality assurance in Higher Education', 6-7 May 2010.

**Dr. Divya Haridas:** Participated and presented a paper titled 'Enhanced Response Characteristics of SnO<sub>2</sub> Thin Film Loaded with Nanoscale Catalytic Clusters for Methane Gas' held in Boston, US from 30th November-3rd December 2010.

Presented a paper titled '*Effect of thickness of thin film SnO<sub>2</sub> based LPG sensors*' held in Boston, US from 30 November-3 December 2010.

**Mr. Jasmeet Singh:** Presented a paper titled, '*Electron-impact study of the NH radical using the R-matrix method*' as poster in International Conference '10<sup>th</sup> European Conference on Atoms, Molecules and Photons (ECAMP10)', University of Salamanca (Spain) 4-9 July 2010.

Presented a paper titled '*Electron-impact study of the B<sub>2</sub> molecule using the R-matrix method*' as poster in the National Conference 'DAE-BRNS Symposium on Atomic, Molecular and Optical Physics', Karnataka University, Dharwad, 22-25 February 2011.

**Dr. Rittu Sethi:** Attended National Conference on FLOSS based Library Software-Koha at BIMTECH during 17-19 September 2010.

Participated in International Conference on 'The Convergence of Libraries, Achieves and Museums' at India International Centre, 15-17 February 2011.

Presented a paper titled 'Digital Preservation: Need, Strategies, Benefits & Challenges' at National Conference 'On Managing Libraries in New Information & Environment', 7-8 Jan. 2011.

### **Publications**

**Arora, A. 2010.** 'Credit risk management practices: Indian banking experience'. *Journal of Social and Management Sciences*. National Institute of Bank Management, Pune.

**2011.** Construct of credit risk management index for commercial banks. *Bank and Bank systems*. 6.

**Kumar, M. and Arora, P. 2010.** 'Bank Efficiency Measurement Using Alternative Techniques of Frontier Analysis: Evidence from India'. *Afro-Asian J. Finance and Accounting*. 2, No.1: 40-69.

**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, 2, 71-85.

**Gupta, B., Kaur, H. and Bedi, P. 2010.** 'A Reputation based Service provider Selection for Farmers'. *Journal of Information Assurance and Security (JIAS)*, 5: 1554-1010, pp. 515.

**Sharma, R., Banati, H. and Bedi, P. 2011.** 'Analyzing User Interaction to Design an Intelligent e-Learning Environment'. *International Journal on E Learning (IJEL)*, Chesapeake, VA: AACE.

**Bedi, P., Banati, H. and Thukral, A. 2010.** 'Use of Ontology for Reusing Web Repositories for eLearning'. In *Technological Developments in Networking, Education and Automation* (pp. 97-101). Netherlands: Springer Netherlands.

**Kumar, V., Sharma, V.K., Kumar, Anil and Kapoor. A. 2011.** 'High Extinction radi metal-insulator-semiconductor waveguide surface plasmon polarizer'. *Optics Communications*. 284: 1815-21.

**Kumar, D., Sharma, V.K. and Tripathi, K.N. 2010.** 'Transverse electric and transverse magnetic mode selective filters in metal clad high index buffer layer optical waveguide: design and analysis'. *J. opt.*, 12: 015003-09.

**Sachdeva, A., Gautam, P., Luthra, V. and Tandon, R.P. 2010.** 'Structural and Electrical Properties of Lead Zirconate Titanate 0-3 Composite Films'. *Integrated Ferroelectrics*, 122(01) 134.

**Sachdeva, A., Gautam, P., Luthra, V. and Tandon, R.P. 2010.** ‘Dielectric and Ferroelectric studies on Sol Gel derived calcium modified Lead Zirconate Titanate Ceramics’. *Integrated Ferroelectrics*, 122(01) 74.

**Sachdeva, A., Kumar, M., Luthra, V. and Tandon, R.P. 2010.** Phase evolution studies of sol-gel derived lead zirconate titanate (PZT) nano powder using X-ray diffraction and X-ray photoelectron spectroscopy. *Applied Physics A*, DOI 10.1007/s00339-011-6301-8.

**Gautam, P., Sachdeva, A., Arora, M., Singh, S.K. and Tandon, R.P. 2010.** ‘Dielectric functions of Niobium doped  $\text{Bi}_{3.25}\text{La}_{0.75}\text{Ti}_3\text{O}_{12}$  thin films using spectroscopic ellipsometry’. *Integrated Ferroelectrics*, 122(01) 126.

**Arora, M., Sachdeva, A., Luthra, V., Tandon, R.P. and Pant, R.P. 2010.** ‘Sol-Gel Derived Nanocrystalline Lanthanum Doped Lead Zirconate Titanate Thin Films Studied for Solitary Waves Propagation’, *Integrated Ferroelectrics*, 122(01) 144.

**Rajvanshi, J.S. and Baluja, K.L. 2010.** Electron-impact study of the SO radical using the R-matrix method. *Physical Review A* (2010) (PRA) American Physical Society (APS)[Phys. Rev. A 82, 032706] 82: 032706.

**Rajvanshi, J.S. and Baluja, K.L. 2010.** Electron-impact study of the NH radical using the R-matrix method. *Physical Review A* (2010) (PRA) American Physical Society (APS)[Phys. Rev. A 82, 062710] 82: 062710.

## KIRORI MAL COLLEGE

### Major Activities

This year also three students from B.Sc. (Hons.) Physics along with staff advisor Dr. Sumitra Mohanty were invited to NASA Moonbuggy, held in April 2010. Again, they returned home with a lot of accolades and appreciation, making our college feel proud.

The college infrastructure include a fully computerised library, state-of-the art computer centre, two internet labs, an active placement cell, a spacious Seminar room, a well-equipped gymnasium, sports facilities International standard, attractive lawns, banking and ATM alongwith several other facilities.

### Students Academic Distinction

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Md. Aayatullah Ashraf	M.A. Urdu	I
Saurabh Anand	B. Sc. (Prog.) Life Science	II
Iram Khan	B.A. (Hons.) Urdu	II
Anjali Gupta	B.Sc. (Hons.) Stats.	II
Gajendra Singh Charan	B.A. (Hons.) Geography	III
Humera Noor	B.A. (Hons.) Urdu	III
Anjumon Sahin	B.A. (Hons.) English	III

## Library Development

Total Budget	:	₹ 16,07,500/-
Books added	:	2,209
Journal Subscribed to	:	64

## Appointment of faculty members to higher Posts/Assignment

**Dr. Seema M. Parihar:** Joint Director of Developing Countries Research Center (DCRC) in the University of Delhi in May 2010. She also was appointed as a Fellow (on Deputation) at the Institute of Life Long Learning (ILLL), University of Delhi (DU) in October, 2010.

**Dr. Seema Joshi:** Selected at Indian Institute of Public Administration as Associate Professor of Public Policy and Governance, October 2010.

## Seminars/Conferences held

A National Seminar on the 'Role of Analytical Techniques in Biological and Environmental Sciences' was held on 27-29 January 2011 at the Conference Centre, University of Delhi, and Kirori Mal College, Delhi.

International Seminar titled 'Toiling Muses: Cultures of the Working Class' on 26-27 November 2010.

## Seminars/Conferences attended

**Dr. Anita Kamra Verma:** Invited to speak on 'Polymer Drug Conjugates- A new paradigm' at the International Conference on Nanotechnology and Medical Sciences at D.Y. Patil University, Kolhapur, 21-23 October 2010.

**Dr. Rajni Gupta:** Presented a poster on Changing scenario of microbes in New Era at National Symposium organized by P.G. Govt. Degree College, Lensdown, Uttarakhand on April 2010.

Attended National Symposium on 'Frontiers and Avenues in Plant Science' organized by Department of Botany, Shivaji College, 20-21 January 2011.

National Symposium on 'Biological role in Analytical Chemistry' organized by Department of Chemistry, Kirori Mal College, 27-29 January 2011.

**Dr. Agam Kumar Jha:** Participated and presented a research paper in the 6<sup>th</sup> International Conference on physics & astrophysics of Quark Gluon Plasma on December 6-10-2010 in Goa, India. His paper titled 'Nucleation Rate of Quark Gluon Plasma at Small Finite Chemical Potential' has been communicated to *Pramana*-journal of Physics. His research paper titled 'A Model Density of States for Quarks and Gluons in QQP' has been uploaded on arXiv(arXiv:1103.5049v1) [hep-ph] (arXiv.org.in).

**Dr. Shiv Kumar Kaushik:** Gave a talk on 'Block Sequences and Feichtinger Conjecture' in the International Conference on Algebra, Topology and Topological Algebras at Veracruz,

Mexico from January 5-7, 2011. He also gave a talk on Frames and Related Concepts in the Seminar of Mathematical Analysis Research Group at BUAP, Puebla, Mexico on 12 January 2011.

**Dr. Dinesh Khattar:** Presented a paper in the Third International Symposium on Bifurcations and Instabilities in Fluid Dynamics held in Nottingham University, U.K. The paper got published in the prestigious *International Journal of Physics* published from USA.

**Dr. Seema M. Parihar:** Presented three research papers in International Academic Conferences including -- Conceptualising Space and Indigenous Knowledge: Articulations and Considerations for Natural Resource Management in Himalayas at CHOTRO 3-Local knowledge Global Translation (12 September.2010); Thinking Aloud for Enhancing Map Usability at XXX INCA International Congress on Cartography for Sustainable Environment (10-12 November 2010) and Geospatial Digital Learning : Reality checks in University of Delhi at OPEN 2011, 29-31 January 2011.

**Dr. Rakesh Kumar:** Delivered a lecture in the 18<sup>th</sup> International Conference on Organic Synthesis, ICOS-18, in Bergen, Norway, 1-6 August 2011.

**Dr. O.P. Hooda:** Presented a paper 'Outsourcing: New Trend in Financial Management' at 2<sup>nd</sup> International Symposium on Emerging Trends and Technologies in Libraries and Information Services held at Jaypee University of Information Technology, Wazirpur, Distt. Solan (H.P.) from 3-5 June 2010. He presented another paper, titled 'Linking Users to College Libraries' in with whom at International Conference on 'Convergence of Libraries, Archives and Museums: User Empowerment through Digital Technologies' hosted by National Institution of Fashion Technology, at India International Centre, New Delhi from 15-17 February 2011.

### **Publications**

**Pragya.** Continued her research in the field of street theatre and wrote a research paper titled 'Haashiye ka Samaj aur Haashiye ki Vidha' for research journal 'Punarlekhan' (Dept. of Hindi, University of Delhi). She published a research paper on noted Hindi Poet Muktibodh titled 'Muktibodh ki Katha Samvedna : Aatmsangharsh se Jansangharsh Tak' for a journal 'Samuchchay' (October 2010, University of Hyderabad).

**Sinha, V.** Published stories and research work in various magazines such as Aaj Kal, Hindustani Quarterly, and Srijan Path.

**Kulshreshtha, U.** 'Light front Hamiltonian, path integral and BRST formulations of the Chern-Simons Theory, under Appropriate Gauge firing' by Usha Kulshreshltha, D.S. Kulshreshtha and J.P. Vary *Journal of Modern Physics* 1, 2010 385-392 (Europe).

'Light front Hamiltonian, path integral and BRST formulations of the Chern-Simons Higgs Theory under appropriate Gauge-firing' by Usha Kulshreshltha, D.S. Kulshreshltha and J.P. Vary *Physics Scripta* 82 (2010) 055101 (Sweden).

'Light Front Quantization of the Chern-Simons Higgs Theory' by Usha Kulshreshltha, *Proceedings of Science* (LC 2010) 008. (Italy).

**Kaushik, S.K.** 'On a Generalization of Atomic Decompositions' in Albanian Journal of Mathematics and 'On unconditional atomic Decompositions' in *Banach Spaces*, Journal of Applied Functional Analysis (USA).

**Dr. Seema Joshi**, 'Hindu Rate of Growth' to 'Unstoppable India': Has the Services Sector Played a Role?, *The Service Industries Journal*, 30(8), First Published on : 2010 (i First)., Routledge, U.K, 'The Ageing Societies vis-a-vis the Workforce Bulge: A Window of Opportunity for India' in *Demographics, Employment and Old Age Security : Emerging Trends and Challenges in South Asia*, Moneer Alam and Armando Barrientos (Ed.), Macmillan India, New Delhi, Can IT and ITES be an Engine of Growth? An Empirical Analysis' in *World Sustainable Development Outlook, 2010*, Allam Ahmed (Ed.), World Association for Sustainable Development Publishers, U.K.

**Verma, A.K.** Got registered 2 patents (US) and over 20 publications in Nanobiotechnology to her credit and has published three International papers in the current Academic year 2010-2011.

## KALINDI COLLEGE

### Major Activities

The college, after years of hibernation, revived the Kalindi College Alumni Association to bring together the old and new members on one platform. The purpose was to link together, to learn from the past, plan the present and build the future of young students. The second Alumni meet was held on 5th February 2011.

'LEHREN' – The Annual Intercollege Cultural festival of Kalindi College was held with great enthusiasm during 3rd and 4th March, 2011 in the college premises this year also. The theme of LEHREN 2010-2011 was दिल्ली मेरी जान which depicted our 'Dilli' in various forms through all the events.

### Students Academic Distinctions

Name	Course	Position in the University
Swati Tanwar	B.Sc. Life Science	I
Prerna Jain	B.A. (Hons.) Journalism	II

### Library Development

Total Budget	:	₹ 6,96,000.00
Book added	:	1,611
Journal subscribed	:	60

### **Seminars/Conferences held**

National Seminar sponsored by the UGC. The theme of the Seminar was 'Contextualizing Democracy in 21st century: Perspectives and Challenges', on 3-4 February 2011.

### **Seminars/Conferences attended**

**Ms. Anita Tagore:** Presented paper on 'Gender Politics in India: Shifting Debates' in a National Seminar on Interrogating and Exploring Hindustan, British India and India (1556-2000) in University of North Bengal, Malda College, 8-10 September 2010.

**Dr. Sangita Dhal:** Presented paper on Enabling Democracy through Good Governance: A Study of E-Governance Initiatives in India, at the National Seminar, on 'Contextualizing Democracy in 21<sup>st</sup> Century: Perspectives and Challenges', Kalindi College, 3 February 2011.

Presented paper on Bridging Governance Deficit through Electronic Governance: Initiatives and Challenges in India, at the National Seminar on, The Changing Dynamics of Governance in India: A Road Ahead, Delhi College of Arts and Commerce, 23-25 March 2011.

**Dr. Pushpa Bindal:** 'Improved variational effective index approximation for photonic crystal slabs' in 18<sup>th</sup> International Workshop on optical wave guide theory and numerical modeling, Cambridge, UK, 9-10 April 2010.

'Effective index approximation for photonic crystal slabs: Modelling of out of plane losses' in International Conference on Photonic, IIT Guwahati, 11-15 December 2010.

**Dr. Punita Verma:** Presented research papers 'Exploration of overcritical fields by transiently formed superheavy quasimolecules', P. Verma et al. at the 7<sup>th</sup> SPARC – Stored Particle Atomic Physics Research Collaboration meeting at Lanzhou, China, 24-27 August 2010.

'Deceleration of H-like uranium ions in a crystal', D. Dauvergne, P. Verma et al., presented at the 'Channeling 2010' the '4th International Conference on Charged and Neutral Particles Channeling Phenomena', Ferrara (FE), Italy, 3-8 October 2010.

'Towards exploration of overcritical fields in superheavy quasimolecules- inner shell vacancy transfer investigated in heavy ion-atom collisions' at the Physics Prospects at the ESR and Hitrap-Hitrapser Workshop held at Eisenach, Germany, 27-30 June 2010.

'Validity limit of direct ionization theories for ion-atom collisions', P. Verma et al. presented at the '2nd DAE-BRNS Symposium on Atomic, Molecular and Optical Physics' This Symposium is the 18th in the series of the National Conference on Atomic & Molecular Physics (XVIII NCAMP) of ISAMP held at Karnatak University, Dharwad, Karnataka, 22-25 February 2011.



## KAMALA NEHRU COLLEGE

### Students Academic Distinctions

Name	Course	Position in the University
Mili Agarwal	Journalism (Hons.)	III
Rozita Singh	Journalism (Hons.)	III
Sweta Sharma	Hindi (Hons.)	III

### Library Development

Total Budget	:	₹ 714904.00
Books added	:	871
Journals subscribed	:	91

### Seminars/Conferences held

Commerce Department- National Workshop on 'Research & Data Analysis' on 11-12 Feb.2011.

### Seminars/Conferences attended

**Dr. Savita Hanspal:** '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, Syntec Business School in cooperation with Devi Ahilya University at IIM, Devi Ahilya University, Indore, M.P. Co authors: Nangia, Vinay, Savita Hanspal and Deepti Kumra.

**Ms. Sanam Khanna:** Co-presented a paper *CATE: Implications for Learning and Testing English* at the Third CELC Symposium at the National University of Singapore, 26-28 May 2010. The paper was co-authored with Anjana N. Dev, University of Delhi.

**Ms. Smita Meena:** Paper 'Financial implications on Indian Banking Sector (A case study on merger of SBI and its six subsidiaries in the First Annual International Conference organized by American college of Theisaloniki and Anatonina Institute of Management Leadership at Theisaloniki in Greece, 6-8 May 2010.

Paper 'Technological transfer and the changing aspect of unemployment (A case study of Metro train in New Delhi) in the International students Conference on Economics XIII, organized by EGE University, Faculty of Economics & Administrative science in Izmir, Turkey, 12-14 May 2010.

**Dr. Rita Malhotra:** Presented a poster at topic: Conflicting Objectives in Multi Decision Network Problems. ICWM, the International Conference on Women Mathematicians, at Hyderabad, August 2010.

Presented paper on 'Indian English Poetry' at the World Poetry International Festival at Vancouver, Canada in May 2011.

## **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) Bhatt, K.N., Mishra, S. and Sapna Chadah, S. centre for Consumer Studies IIPA and Abhijeet Publications. (ISBN 978-93-80031-55-2).

## **LAKSHMIBAI COLLEGE**

### **Library Development**

Total Budget	:	₹ 3,96,000.00
Books added	:	999
Journals subscribed	:	54

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

**Ms. Vibha:** Selected by University of Delhi for studying in the University of Birmingham, UK. for one year course 'International Accountancy and Finance'.

### **Honours/Distinctions**

**Dr. Pushpa Gupta:** Awarded 'Bharat Excellence Award' and 'Mahila Sree Award'.

**Dr. Asha G. Shankar:** Awarded 'Bharat Excellence Award', Gold Medal by FFI (Friendship Forum of India) and Shiksha Ratan Puraskar by India International Friendship Society in January 2011.

**Lt. (Dr.) Seema Kaushik:** Represented India in 16th Asian Masters Athletics Championship held at Kualalumpur, Malaysia, 6-12 December, 2010 to win Gold Medal in 4x400m. Relay; Bronze Medal in 400m; 4th position in 800m; and participated in 10 km. Road Race.

Secured three Gold Medals (200m., 400m., 800m.) in Delhi State Masters Athletics Meet in February 2011.

### **Seminars/Conferences attended**

**Prof. (Dr.) Karuna Kaushik:** Attended the Indo-European Conference on Quality Assurance in Higher Education, University of Delhi, 6-7 May 2010.

Attended 70th Session of the Indian History Congress, University of Delhi, 15-17 May 2010.

Attended a National Summit on Higher Education 'Discovering New Models of Increasing Private Participation' held at New Delhi, 2-23 December 2010.

**Dr. Pushpa Gupta:** Presented the key-note address on 'Modern Sanskrit Literature' at the National Seminar, Delhi Sanskrit Academy.

**Ms. Beena R. Gupta:** Attended a National Workshop on 'Differential Equations, Computing & Modelling' at University of Delhi, 20-24 December 2010.

**Dr. Anita Goel, Dr. Madhu Aggarwal and Dr. Vanita Aggarwal:** Attended a National Seminar, 'Financial Sector Reforms in India - The Road Ahead' in Shaheed Bhagat Singh College, 21-22 January 2011.

**Lt. (Dr.) Seema Kaushik:** Attended a National Seminar: 'Financial Sector Reforms in India- The Road Ahead' in Shaheed Bhagat Singh College, 21-22 January 2011.

**Mrs. Pramila:** Attended a National Seminar: 'Global Media and Hindi Journalism' , Feb. 2011.

**Mrs. Pramila:** Attended a National Seminar: 'Aupniveshik Mansikata Se Purn Samay Aur Samaj Ke Madhya Bhasha Ka Prashn' in I.P. College, 3-4 March 2011.

**Dr. Sabrina Sareen:** Attended an International Conference on apparel and home textile at India Habitat Centre.

## **Publications**

### *Books*

**Gupta, P. 2011.** Sanskrit Sahitya Ka Brihad Itihaas, Delhi: Eastern Book Linkern.

**2011.** Panchtantra Ka Aprikshit, Delhi: Vidheyaniidhi Prakashan.

**Gautam, V. 2011.** Hindi Natak: Ranganushasan Ke Sandarbh Mein, Delhi: K.K. Publication.

**Agarwal, V. 2010.** Macroeconomics-Theory and Policy, Pearson, New Delhi.

**Agarwal, V. and Deepashree, 2010.** Macroeconomics, (4th edn.) New Delhi: Ane books.

**Malhotra, A. 2010.** Food Preservation, New Delhi: Vikas Publishing House.

### *Journals/Edited Publications*

**Gupta, P. 2010.** Article 'Jain Sanskrit Mahakaavya Mein Ras Vivechan' published in Journal of Ganganath Jha, Allahabad.

**Mundeja, R. 2010.** Co-authored an e-introduction to Heart of Darkness (a prescribed text in the undergraduate English (Hons.) syllabi), as part of an ILLL (Institute of Lifelong Learning, Delhi University) project.

**Zafir, D. 2011.** Co-Authored a review entitled 'The Subaltern Speaks of Jatidansh ki Kahanian (Ed.) Kushwaha, S.C. published in 'The Book Review' Vol. XXXV, No. 1.

**Kanwar, A. 2010.** Edited 'Essays on Human Right' for Human Rights Law Network.

2010. Edited 'Bhopal Gas Tragedy: An Environmental Disaster' for HRLN.

2010. Edited 'National Consultation on Prison Reform' for HRLN.

## LADY SHRI RAM COLLEGE FOR WOMEN

### Students Academic Distinctions

Name	Course	Position in the University
Roop Preet Kaur	B.A. (Hons.) Hindi	I
Priyasha Rajan Singhi	B.A. (Hons.) History	III
Agrima Bhasin	B.A. (Hons.) Journalism	I
Akanksha Kochar	B.A. (Hons.) Mathematics	I
Harshita Rathore	B.A. (Hons.) Philosophy	I
Tejaswani Gautam	B.A. (Hons.) Political Science	I
Kavita Sharma	B.A. (Hons.) Sanskrit	II
Akanksha Baldawa	B.A. (Hons.) Sociology	I
Ritu Agarwal	B.Sc. Statistics	I
Sana Zehra	B.A. Programme	I

### Library Development

Total Budget:	-	₹ 14,38,000/-
Books added:	-	1397 Books
Journals subscribed to:	-	128 Journals

### Appointments of faculty members to higher Posts/Assignments

**Dr. Vasudha Pande:** Fellow Institute of Lifelong Learning at Delhi University.

**Dr. S. Rajashree:** Member Faculty Group at Azim Premji University, Bengaluru.

**Dr. Gopa Sabharwal:** Vice-Chancellor at Nalanda University.

### Honours/Distinctions

**Dr. Meenakshi Gopinath:** Recipient of several honours and awards including her recent appointment as Member, UGC; Member of the Governing Council, National Law University, Delhi; Member of the Board of Directors, Regional Centre for Strategic Studies, Colombo, Sri Lanka; Member, Board of Governors, Institute of Chartered Financial Analysts of India University, Uttarakhand, Deharadun; Nominated for peer review of the projects sanctioned under the National Mission on Education through Information and Communication Technology; Member of the Club of Rome, an International Think Tank on Development Issues; Visiting Senior Fellow, RSIS-MacArthur Associate Fellowship Programme at the Non Traditional Security (NTS) Studies Centre, S. Rajaratnam School of International Studies, Nanyang Technological University, Singapore.

**Dr. Anita Bagai:** Received the Shri T.N. Chaturvedi Award 2010 for the Best article 'Development Administration: Temporal and Spatial Dimensions' in the *Indian Journal of Public Administration* Vol. LV, No.1. The award was presented by the Vice President of India, Honourable Shri Hamid Ansari on 29 October 2010.

**Dr. Arvind Kumar:** Certified Entrepreneur Educator by the Stanford Technology Ventures Program, Stanford University, USA, 2010.

**Ms. Meenakshi Pahuja:** First Indian to successfully swim five lakes in five days at the Tex Robertson High Land Lakes Challenge, 2010.

**Ms. Subi Chaturvedi:** Received the Canon Panel Photographer, Title for Life in recognition of contribution to Photography, Writing in Visual Arts and Curation.

### **Seminars/Conferences held**

Mathematics Department organized a National Seminar on 'Differential Equations and Mathematical Modeling' on 23-24 September 2010.

Seminar on Ethics in the Corporate World. Organized by the Commerce Department. Panelists included Mr. Amit Luthra, Mr. T.V. Somanathan, Ms. Tripti Kochhar, Mr. Ajay Gupta and Mr. Ashok Kapoor. A talk by Mr. Arun Maira, author and member of Planning Commission was also organized on the above theme.

Seminar organized on 'Dilli and its Changing Faces' by the History Department in collaboration with INTACH. Speakers included Prof. Sunil Kumar, Prof. U. Singh and Dr. Swapna Liddle.

Prospects and Perspectives of Globalization--Seminar organized by the Political Science Department. Keynote Address by Prof. Pratap Bhanu Mehta. Panelists included Mr. Siddhath Vardharajan, Prof. Neera Chandoke, Dr. Amit Prakash, Dr. Shuddabrata Sengupta and Dr. Sanjaya Baru.

Seminar on 'Looking through the Lens of Stories: Possibilities in a Classroom' organized by the Department of Elementary Education. Keynote Address delivered by Ms. Paro Anand. Panelists included Dr. Ashish Ghosh, Dr. Vandana Saxena and Ms. Nabila Jamshed. Included a Lecture-Demonstration by Ms. Anurupa Roy.

A Conference on Literature and Visual Cultures was organized by the English Department. Keynote Address by Mr. Ashok Vajpeyi. Panel discussion on the Graphic Novel and Comic Strips by Mr. Sumit Ray and Ms. Kadambari Mishra. Discussion on the interface between films and novels by Prof. Subarno Chatterjee and Dr. Tapan Basu.

Exploring Statistics. A Seminar organized by the Statistics Department. Participants included Prof. Kanwar Sen, Prof. A. Nankana, Prof. Niladri Chatterjee and Prof. Bharatswamy.

'Media, Law, Society, Ethics and Governance', Conference and Lecture Demonstration conducted by Mr. Paranjay Guha Thakurta for the Journalism Department. A panel discussion on the critically acclaimed film *Peepli Live*, was also part of the event.

### **Seminars/Conferences attended**

**Dr. Meenakshi Gopinath:** Spoke on 'Building Institutions for Impact,' at a Symposium on 'Imagining Another Future for Asia: Ideas and Pathways' at the Asian University For Women (AUW), Dhaka, Bangladesh, January 2011.

Plenary Address, 'Gender Sustainable Development and Peacebuilding' as Visiting Senior Fellow, RSIS- MacArthur Associate Fellowship Programme Non Traditional Security Studies Centre, S. Rajaratnam School of International Studies, Nanyang Technological University, October, 2010, Singapore and was a participant in a Seminar Discussion on 'Non-Traditional Security and Gender and Some Methodological Concerns,' at the same venue. She made a Presentation 'The Value of Clusters: Effective Cooperation in Academic and Political Institutions' at the Indo-German Consultative Group meeting, October 2010, Berlin, Germany. Her presentations also included 'People-to-People Dialogue between India and Pakistan' at NEEMRANA 30 Indo-Pak Peace Initiative Meeting, April 2010.

**Ms. Smriti Sharma:** Presented a paper entitled, 'In-Service Teacher Education Programmes: A Constructivist Approach' at the 17th International Conference on Learning 2010 'Creative and Imaginative Futures for Schooling' at Hong Kong Institute of Education organized by the College of Education, University of Illinois, Urbana-Champaign. She also attended a three day International Conference, 'Let the Play Begin -- Conference on Children's Theatre Arts in Asia' jointly organized by the International Association of Theatre Critics Hong Kong (IATC) and Hong Kong Theatre Works Ltd., 10th-12th July 2010 at the Kwai Tsing Theatre, Hong Kong.

**Dr. Priti Prakash Prajapati:** Participated in International Conference on 'Science and Spirituality: The Growing Interface' organized by Sri Sathya Sai Centre for Human Values, New Delhi.

**Ms. Namita Dhankar:** Attended the International Congress of Women Mathematicians as well as the International Congress of Mathematicians held at Hyderabad University in August 2010.

**Ms. Meenakshi Pahuja:** Attended the 14th Commonwealth International Sports Science Congress (CISSC), held at Manav Rachna International University, October 2010 and designed a poster on, 'Swimming and Health' which was printed. She attended the Business Club Australia (BCA) 'Sports Education: Career and Partnership Opportunities' Seminar, held at the Australian High Commission, September 2010.

**Ms. Megha Dhillon:** Presented her paper at the International Conference on Mind, Culture and Human Activities in JNU, December 2010.

**Ms. Subi Chaturvedi:** Chair and Moderator for 'Ways of Seeing: Rhetoric and Reality,' at a Seminar for International Association of Women in Radio and Television IAWRT, 7th International Women's Film Festival.

**Dr. Priti Prakash Prajapati:** Attended a Seminar on 'Ismat Chughtai and Saadat Hasan Manto: Life, Times and Legacy' organized by India Habitat Centre and 'Rabindra Nath Tagore: The Man and the Universe' organized by the Sahitya Akademi and a three day National programme on 'Independent People's Tribunal on Land Acquisition, Resource Grab and Operation Green Hunt' at Constitution Club, New Delhi, jointly organized by Indian Youths Climatic Network and Navdanya.

**Dr. Dolly Menon:** Presented a paper titled 'Collections from Commons – A Crucial Component of Survival Strategy of the Poor: Experience from West Bengal' in a Conference under the auspices of the International Association for the Study of Commons held in Hyderabad between 10-14 January 2011.

Participated in a Seminar titled 'Climate Change and Markets: Opportunities, Challenges and Policy Concerns at TERI University, New Delhi on 11 February 2011.

**Ms. Namita Dhankhar:** Attended a National Workshop on 'Differential Equations, Computing and Modeling' at University of Delhi in December 2010.

**Dr. Uma Versha Kakkar:** Attended a National Conference on 'Mathematics beyond Formulas and Theorems', February 2011.

**Ms. Meenakshi Pahuja:** Vice Chairperson of a Seminar, 'The New Developments in International Sports Law and CAS Jurisprudence with Perspective of Sports Law in India' at the Indian Law Institute, on 26 February 2011.

National Seminar on the 'Role of Physical Education and Sports in Nation Building,' organized by the Department of Physical Education, University of Delhi, March 2011.

**Ms. Megha Dhillon:** Presented her paper 'Peer Conflicts and Theory of Mind: A Study Within the School Setting' at the XXth Annual Convention of NAOP.

**Dr. Priti Dhawan:** Attended the 20th Annual Convention of National Academy of Psychology (NAOP) held from 12-15 December, 2010 at JNU, New Delhi.

**Dr. Parul Bansal:** Presented a paper titled 'Narrative Study of Lives: Evolving an Alternative Methodological Approach' at the XXth Annual Convention of NAOP.

**Ms. Subi Chaturvedi:** Presented a paper 'Unspooling the Mahatma: A Textual Reading of the Imagery and the Icons that Make Gandhi,' as part of Media and Contemporaneity at an International Seminar 'Rethinking Gandhi – A Communication Perspective,' organized by the Centre for Culture, Media and Governance, Jamia Millia Islamia, New Delhi.

Presented a paper 'People Speak and Sometimes Tweet – Social Media and Public Diplomacy,' as part of Role of Media in Good Governance National Seminar 'Changing Dynamics of Governance In India: A Road Ahead' at DCAC, University of Delhi.

**Dr. Vartika Nanda:** Expert speaker at a National Seminar held at Rajasthan University on 'Social and Cultural Impact of Satellite and Cable Television' where she spoke on 'Ethics in Journalism'. She delivered a talk on 'Media in the New-Age' at the National Seminar on 'Media and the New World Order' organized by Shyam Lal College, Delhi University.



## Publications

**Verma, K. 2010.** Translation. *Bahar Ka Mausam*. Delhi: Prakashan Sansthan.

**Madan, S. 2010.** *Management Fundamentals and Information System*. New Delhi: Taxmann Publication.

**Nanda, V. 2011** – *Television aur Apraadh Patraakarita*, New Delhi: Rajkamal Prakashan.

### Research Articles

**Madan, S. 2010** . ‘Convalesce Optimization for Input Allocation Problem Using Hybrid Genetic Algorithm’. In the *Journal of Computer Science*, 6 (4): 413-416.

**Chaturvedi, S. 2010** . ‘Tipping Point- Leap from the Big to the Wide Picture’ in the book *Media and Communication Research; Changing Paradigms*, edited by Om Gupta and Sudesh Sharma, Gyan Books. New Delhi.

**Gopinath, M.** ‘Expanding Circles of Engagement: India and South Asia’ is to be published in the forthcoming book *Rewiring Regional Security in a Fragmented World*, United States Institute of Peace (USIP), Washington, D.C.

**Bagai, A. 2010.** ‘Development Administration: Temporal and Spatial Dimensions’ in the *Indian Journal of Public Administration*, Vol. LV, No. 1.

**Khandelwal, K. 2010.** ‘Media-portrayed Idealized Images, Body Dissatisfaction and Negative Affect in College Women’. In the *Indian Journal of Clinical Psychology*, 37(1), 46-59.

**Khandelwal, K. and Mohendra. N. 2010.** ‘Espoused Organizational Values, Vision, and Corporate Social Responsibility: Does it Matter to Organizational Members?’ In *Vikalpa: The Journal for Decision Makers*, Vol. 35(3), July-September, 19-35.

**Khandelwal, K. 2010.** ‘Debunking Myths about Terrorism: A Psychosocial Perspective’. In the *Journal of Psychosocial Research*, Vol. 5(1).

**2010.** ‘Effective teaching Behaviours in the College Classroom: A Critical Incidents Job Analysis from Students’ Perspective’ in the *International Journal of Teaching and Learning in Higher Education*, 21(3), 299-309.

**Kumar, K. 2010.** ‘Cost Benefit Analysis of a Biscuit Making System’ which was published in the *International Journal of Agricultural and Statistical Sciences*, Vol. 6, No. 1, pp. 307-318.

**2010.** ‘Profit Analysis of a Complex System with Correlation in Time to Preventive Maintenance and Time Taken in Preventive Maintenance’, was published in the *Journal of Reliability and Statistical Studies*, Vol. 3, Issue 1, pp. 95-103.

**Papneja, D. 2010.** ‘*Planning and Monitoring Units in Orissa: A Comparative Analysis*’ published by UNICEF in collaboration with KCCI (Knowledge Community on Children in India).

## LADY IRWIN COLLEGE

### Ph.D. Degrees awarded

Ph.D. - 6

**Dr. Bhawana Chanana** received 'Meritorious Invention for Societal innovations' of National Research Development Corporation of Ministry of Science and Technology.

### Students Academic Distinction

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Rachita Malik	B.Sc. Home Sc. (Pass)	I
Ms. Reema Chug	B.Sc. Home Sc. (Hons.)	I
Ishu Kataria	M.Sc. (Foods and Nutrition)	I
Ms. Shipra Suneja	M.Sc. (Human Dev. &	I
Ms. Namita Sharma	M.Sc. (Fabric & App. Sc.)	I

### Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
Conflict Resolution: Dealing with violence and aggression in school going children.	Dr. Renu Malaviya	UGC
Parent belief, socialization practices and Children's development in Indian families.	Dr. Nandita Choudhary	UGC
Food safety aspects of the JAN AHAR Yojana in Delhi.	Dr. Nandita Choudhary	F & N Deptt.
Microbiological quality of carbonated	Dr. Nandita Choudhary	F&N Deptt.
Microbiological Quality of Fruit Juices.	Dr. Nandita Choudhary	F&N Deptt.
Continuous and comprehensive Evaluation (CCE) – Implementing the Reform: a case study of Delhi.	Dr. Nandita Choudhary	CAS (Education Deptt.)
Development of Literacy Primer with Talking Pen Technology in DCE Deptt. association with Aadarsh Publications Bhopal; India.	Dr. Nandita Choudhary	DCE Deptt.
North Zone Coordinators for the Global Media Monitoring Project in association with WACC.	Dr. Nandita Choudhary	DCE Deptt.

Development of a prototype flipbook based Game on Life Skills for Adolescents of NYKS Teen Clubs, sponsored by UNFPA New Delhi. Dr. Nandita Choudhary DCE Deptt.

P G Collaborative Research with School of Planning, Design and Construction, Michigan State University, USA. Dr. Nandita Choudhary RMDA Deptt.

### **Library Development**

Total Budget : ₹ 14,54,000/-  
Books added : 858  
Journal Subscribed : 118

### **Honours /Distinctions**

**Dr. Neerja Sharma:** Invited member of International Reference Group (of 50 across the globe) on 'Higher Education – Education for All' (HEEFA) Project of International Association of Universities, UNESCO, Paris; UGC nominee to evaluate UGC/DSA project at Dept. of Home Science, University of Rajasthan, Jaipur.

**Dr. Vinita Bhargava:** Member, Central Adoption Resource Authority, Ministry of Women and Child Development, Sub-committee for Training and Development.

**Dr. Nandita Chaudhary:** Delhi High Court Mediation Centre. Consultant expert on child custody; Member, Expert Committee for revision of teacher training curriculum for Early Childhood Care and Education Programmes, State Council for Educational Training and Research, New Delhi. (2010).

**Dr. Vinita Bhargava:** Adolescence and young adulthood in adoptive families', a 10 year longitudinal follow-up of doctoral research.

**Dr. Bhawana Chanana:** National Award won for outstanding research work. On - Meritorious Invention for Societal innovations' of National Research Development Corporation of Ministry of Science and Technology.

### **Seminars/Conferences held**

National Seminar 'Childhood, Culture and Development' followed by Workshop funded by ICSSR. HDCS Department.

A Workshop and a talk on 'Mixed Methods' and 'Socially distributed care of children: theory, overview, and current circumstances' by Prof. Thomas Wesiner, Professor of Anthropology at UCLA, USA, HDCS Department.

Seminar by Devdutt Pattanaik talk on 'The Myth of the Storyteller', HDCS Department.

Seminar titled 'First steps in Human Rights: access, equity and quality in facilities for children', HDCS Department, 5 March 2011.

Sanjam Randhawa Memorial Seminar on 'Home Textiles', FAS Department, 9 Nov. 2010.

Eleventh Raushni Deshpande Memorial Oration and Symposium. Mr. Paolo Mefalopulos on 'Why Sound Technical Solutions are not Enough: The Role of Communication in Development Initiatives', DCE Department, 18-19 November 2010.

A symposium: 'Participatory Communications: A Dialogue on Challenges and Perspective'. Chaired by Mr. Paolo Mefalopulos, DCE Department.

National Seminar on 'Aging Women in 21<sup>st</sup> Century: Emerging Issues and Challenges, DCE Department, 27-28 January 2011.

Annual Symposium on Sustainable Built Environment and Green Buildings: in collaboration with School of Planning, Design and Construction, Michigan State University, USA, 13 November 2010.

### **Seminars/Conferences attended**

**Neerja Sharma:** As co-author: 'Children with disabilities and supportive school ecologies' at the Conference 'Pathways to Resilience: The Social Ecology of Resilience' held at Dalhousie University, Nova Scotia, Canada, 7-10 June 2010.

Paper 'Linking higher education institutions with the education of developmentally vulnerable children' at the 'IAU Experts' Conference on Higher Education and Related MDGs' at UNESCO, Paris, 2-3 December 2010.

Paper as co-author: 'School ecology as a source of resilience for children with disability' at the Seminar 'Social and Emotional Wellbeing of Children' at Bharati College, 10 February 2011.

Paper as co-author: 'Role of grandparents in the socialization of children with disability: Perceptions of parents & grandparents' at the XXth Annual Convention of NAOP & International Conference on Mind, Culture and Human activities, JNU, 12-15 December 2010.

**N. Chaudhary and P. Pillai:** Social conventions and conformity among young children. International Conference of the National Association of Psychology, India, JNU, December 2010.

**S. Shukla and N. Chaudhary:** Marked mother: A recognition of others by young children in rural and urban families. International Conference of the National Association of Psychology, India, JNU, December 2010.

**R. Tomar and N. Chaudhary:** Conformity in the preschool years: Impact of majority opinion and reciprocity. International Conference of the National Association of Psychology, India, JNU, December 2010.

**N. Chaudhary:** Mediation for the family: A perspective on childhood. Delhi High Court Mediation Centre training Workshop on Mediation, October 2010.

**S. Jain and V. Bhargava:** Paper on 'Subjective feelings of well being in women living with HIV/AIDS in families in Delhi, India' in an International Conference on HIV/AIDS in Nepal organised by Department of Microbiology, Conference-2010 Vienna, Austria, 3-9 September 2010.

**N. Sharma:** 'Children with disabilities and supportive school ecologies' at the Conference 'Pathways to Resilience: The Social Ecology of Resilience' at Dalhousie University, Nova Scotia, Canada, 7-10 June 2010.

'Linking higher education institutions with the education of developmentally vulnerable children' at the 'IAU Experts' Conference on Higher Education and Related MDGs' at UNESCO, Paris, 2-3 December 2010.

'School ecology as a source of resilience for children with disability' at the Seminar 'Social and Emotional Wellbeing of Children' at Bharati College, 10 February 2011.

'Role of grandparents in the socialization of children with disability: Perceptions of parents & grandparents' at the XXth Annual Convention of NAOP & International Conference on Mind, Culture and Human Activities, at JNU, 12-15 December 2010.

**Dr. Sarita Jain:** Participated in International Conference on 'User Empowerment Through Digital Technologies' organized by NIFT and IFLA, 15-17 February 2011.

Fabric and Apparel Science faculty participated in 6<sup>th</sup> International Conference.

## **Publications**

### *Books*

**Sekhri, S. 2011.** *Textbook of Fabric Science: Fundamentals to finishing.* PHI, New Delhi.

### *Research Articles*

**Sharma, N.** Children with disabilities and supportive school ecologies' In *The Social Ecology of Resilience* (ed. Michael Ungar). Springer, New York.

Special Education as a Career for Class XII NCERT textbook on Human Ecology and Family Sciences.

'Higher Education Opportunities for Students with Disability at the University of Delhi, India. IAU Horizons'. *J. International Association of Universities*, UNESCO, Paris.

**Chaudhary, N. 2011.** Peripheral lives, central meanings: Women and their place in Indian society. In, A.C. Bastos, K. Uriko, & J. Valsiner (Eds.), *Cultural dynamics of women's lives.* Book series, Mind, culture and development: Cultural psychology within the world (Vol. 1). Charlotte, NC, Information Age.

**2011.** Making sense of the *bindi*: Urban Indians' appraisal of a culturally valued symbol. In *Cultural psychology of human values* (ed. Branco, A. and Valsiner, J.). Charlotte, NC, Information Age.

- 2011.** Rethinking human development research and theory in contemporary Indian society. In *Contemporary Indian psychology* (ed. Misra, G.). New Delhi: Oxford University Press.
- 2011.** Affective networks: The social terrain of a complex culture. In *Oxford handbook of culture and psychology* (ed. Valsiner, J.). Oxford University Press, Oxford.
- 2011.** Negotiating with autonomy and relatedness: dialogical processes in everyday lives of Indians. Chapt 9. In *Handbook of Dialogical Self Theory* (ed. Hermans, H.H. and Gieser, T.). Cambridge: Cambridge University Press.
- Jain, S. and Bhargava, V. 2011.** Feelings of subjective wellbeing in women living with HIV/AIDS in families. *Asian Journal of Medical Sciences* (<http://nepjol.info/index.php/AJMS>) indexed in Directory of Open Access Journals Index Copernicus Google Scholar (eISSN: 2091-0576).

## **MAITREYI COLLEGE**

### **Major Activities**

A 3-day programme was hosted by the College for the 30 student visitors from various universities of UK under UKIERI-SIP 2010 (United Kingdom-India Education and Research Initiative – Study India Programme). College annual festival ‘Rhapsody’ was a resounding success with active participation from different Colleges of Delhi University. The College organized a talk by Magsaysay awardee, Ms. Aruna Roy a social activist, founder of Mazdoor Kisan Shakti Sangathan, a driving force behind the Right to Information Act and Mahatma Gandhi National Rural Employment Act, on ‘Democracy, the Obligation to Make it Work’ in February 2011.

### **New Course Introduced**

B.Sc. Physical Science with Computer Science

### **Special Grants/Assistance/Projects**

**Dr. Savita Datta**, Principal was given travel grant by UGC to travel to Bremen, German to present a paper in COSPAR, 2010.

### **Library Development**

Total Budget	:	₹ 15, 84,125/- (including Semester/OBC Grant)
Books added	:	2,791
Journals subscribed to	:	83

### **Honours/Distinctions**

**Dr. Shakuntla Kalra:** Honoured the National Award ‘Mayashree Puraskar’ and ‘Hindi Bhasha Bhushan Samman’.

**Dr. Mala Kapur Shankardass:** Nominated as Chairperson of the Gender Sub-Committee on Gender Perspectives on National Policy of Older Persons by Ministry of Social Justice and Empowerment, Government of India; Member of the Core Group on Protection and Welfare of the Elderly Persons Constituted by National Human Rights Commission, Government of India; Board Member of Godhuli; Social Scientist Member of the Ethical Committee, International Centre for Genetic Engineering and Biotechnology; Member of Centre for Policy Research Ethics Research Committee on Human Health and appointed; Member of the Committee to Select Members for the Maintenance Tribunals and Appellate Tribunals, Department of Social Welfare, Govt. of NCT of Delhi, New Delhi.

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

**Dr. Savita Datta:** Presented papers in the International education Conference, Going Global 2011 in Hong Kong in March 2011.

**Dr. Savita Datta:** Organized Workshop on 'Employability and Entrepreneurship' in partnership with the University of Birmingham, UK at the University of Delhi under UKIERI Programme, 3-4 February 2011.

**Dr. Veena Mishra:** Attended 'Indo-European Conference on Quality assurance in Higher Education' at University of Delhi, May 2010.

**Dr. Savita Datta and Dr. Veena Mishra:** Presented paper 'Impact of Blended Learning Quality Assurance' at the 'Virtual Global Conference on Technology for Blended and Distributed Education' in August in Christ University, Bengaluru.

**Mrs. Nidhi Chand:** Attended International Conference on 'Growth and Development' conducted by the Indian Statistical Institute, Delhi Centre.

**Dr. Saroj Rani:** Participated in an International Seminar organized by the Vivekanand International Foundation on Perspective on Transforming India-Central Asia Engagement Prospects and Issues in February 2011.

**Dr. Savita Datta and Dr. Veena Mishra:** Participated in the 'Virtual Global Conference on Technology for Blended and Distributed Education' in August in Christ University, Bangalore and presented a paper.

**Dr. Shalini Lumb:** Attended second National Workshop on 'Quantum Mechanics : Theory and Application' organized by Forum for Interdisciplinary Application in Sciences (FiDAS), Deen Dayal Upadhyay College, University of Delhi in October 2010.

**Dr. Ritu Dhingra:** Attended the National Seminar on 'Application of Nanomaterial for environment and technology development' organized by KTIIT College of Engineering Gurgaon in February 2011.

**Dr. Sadhana Pandey:** Attended second National Workshop on 'Quantum Mechanics : Theory and Application' at Deen Dayal Upadhyay College, University of Delhi in Oct. 2010.

**Dr. Rama Sisodia:** Attended the National Workshop 'RNAomics: Isolation to Interference' in October 2010 organized by Department of Biochemistry, Shivaji College, University of



Delhi. She attended the National Conference 'Advances in Plant Sciences' organized by Department of Botany, Shivaji College, University of Delhi.

**Dr. Saroj Rani:** Presented a paper titled 'Blending of Swami Vivekanand's Philosophy with Modern Management and Leadership' at a National Conference in October 2010 on 'Spirituality and Ethics in Management' organized by the School of Management, Varanasi. She presented a paper titled 'Regional Economics Integration in Central Asia : Prospects and Problem' on a National Seminar on Transition in Post Soviet Space : Political Economic, Social and Foreign Policy Dimensions' held in November in the School of International Studies, JNU organized by the Centre for Russian and Central Asian Studies.

**Dr. Swapna Ray Jain:** Attended the second National Workshop on 'Quantum Mechanics: Theory and Applications' held at Deen Dayal Upadhyay College, University of Delhi in October 2010. She also attended a National Seminar on 'Differential Equations and Mathematical Modelling' organized by Lady Shri Ram College, University of Delhi, September 2010.

**Ms. Sonal Babbar:** Participated in the National Conference on 'Issues in International Trade during Globalization Era' in November 2010 conducted by Sri Ram College of Commerce, University of Delhi. She participated in the National Seminar on 'Financial Sector Reforms in India – the Road Ahead' organized by Shaheed Bhagat Singh College, University of Delhi in January 2011.

Participated in a National Seminar on Contemporary Issues in Management held in February 2010 organized by Sri Guru Tegh Bahadur Khalsa College, University of Delhi, on September 2010.

**Savita Datta and Dr. Veena Mishra:** Presented paper 'Changes required and challenges encountered for quality education', International Education Conference, Going Global 2011 in Hong Kong from 10-12 March 2011.

**Savita Datta and David Hiddleston:** Presented paper eMATS Enhancing Media Animation Training Skills, International Education Conference, Going Global 2011 in Hong Kong from 10-12 March 2011.

**Savita Datta and Ms. Annie Rubienska:** Presented paper Employability and Entrepreneurship, International Education Conference, Going Global 2011 in Hong Kong from 10-12 March 2011.

**Savita Datta and Veena Mishra:** Presented paper 'Impact of blended learning on quality assurance' in 'Virtual Global Conference on Technology for Blended and Distributed Education' held at Christ University, Bengaluru, 18-20 August 2010.

**Savita Datta, S.K. Dhaka, A. Sharma and K.L. Baluja:** Presented paper 'Linkages of Solar and Lower Atmospheric Dynamics on the Temperature and Ozone Variability in the Upper Troposphere and Lower Stratosphere Region over India' in 38<sup>th</sup> COSPAR Scientific Assembly, Bremen, Germany, 18-25 July 2010.

## Publications

### Books

**Kalra, S.** Published various books viz. '*Mauritius Mein Bharat* (Yatravritant)', '*Maa Ka Uphaar* (Kahani Sangrah)', '*Baal Sahitya Vimarsh* (Sahityik Sakshatkar)' and '*Hanste-Mehkate Phool* (Bal Kavita Sangrah)'.

### Research Articles

**Datta, S. 2011.** Characteristics Global Analysis of Long-Term Trends in Total Ozone Derived from Dobson or Ground Based Instrument Data. Sharma, A.K., Datta, S. and Baluja, K.L. *Mausam*, 62(1), 103-107.

**Shankardass, M.K.** Publications during the year include Chapter: Concerns, Enabling Environmental Challenges and Policy Responses in Asia, with Special Reference to India, in the Book: *Issues of Ageing and Disability: International Perspectives*, published by NGO Committee on Ageing, New York, December, 2010, Article: Remembering Robert Butler, Gerontologist & Psychiatrist in Ageing & Society *The Indian Journal of Gerontology*, Vol. XIX No. III & IV, 2010, Chapter: Elder Abuse and Adult Protection in *Book: Ageing and Health in India*, published by Rawat Publications, 2010, Article: Elder Abuse Prevention in Asia: Some Challenges and Age Friendly Initiatives in Selected Countries in the AARP International Journal, *Summer 2010, USA*, Article: Ageing with Dignity in *The Hindu*, 7<sup>th</sup> August' 2010.

## MAHARSHI VALMIKI COLLEGE OF EDUCATION

### Students Academic Distinction

Name	Course	Position in the University
Anupma Dhingra	B.Ed.	III

### Library Development

Total Budget	:	₹ 3,27,973/-
Books added	:	245
Journals Subscribed	:	18

### New Addition

Mr. Vinod Kumar - Assistant Professor

### Honours/Distinctions

**Dr. Prabhjot Kulkarni:** Member Governing Council, Punjabi Academy, Govt. of NCT of Delhi; Member Management Committee, Mirambika Free Progress of School and Research Centre; Member Curriculum Committee - B.Ed. 5 years Programme, Indian Institute of Teacher Education (IITE), Gandhi Nagar, Gujrat; Member Curriculum Committee, Gujrat State Council of Educational Research and Training.

### **Seminars/Conferences attended**

**Dr. Prabhjot Kulkarni:** Seminar- 'Self Observation – A tool for Self Mastery', Sri Aurobindo Ashram, Delhi Branch, 17 October 2010.

National Conference on 'Individual and Collective Transformation- Perspectives from Indian Psychology', India International Centre, New Delhi, 5-7 February 2011.

**Dr. Sushil Dhiman:** Seminar organized by Army Institute of Education, Pathankoton 'Quality Education – Perspective Issues', 4 March 2011.

Paper in National Seminar on 'Current Issues in Teacher Education' organized by CASE, Faculty of Education and Psychology, M S University of Baroda, Vadodra, 14-15 March 2011.

Seminar on 'Social and Emotional well being in Children' organized at Bharati College, Janakpuri, New Delhi, 10 February 2011.

Talk in the Seminar held at Army Institute of Education, Delhi Cantt., 25 March 2011.

**Dr. Manjari Gopal:** Seminar on Education to commensurate the 150<sup>th</sup> Birth Anniversary of Swami Vivekananda at Ramakrishna Mission, New Delhi, 12-13 February 2011.

**Dr. Jyoti Kohli:** Seminar on Education to commensurate the 150<sup>th</sup> Birth Anniversary of Swami Vivekananda at Ramakrishna Mission, New Delhi, 12-13 February 2011.

**Dr. Gopal Rana:** International Conference on 'Global Perspective of HRM in Disability Sector' at Technical Institute of Advanced Studies, Rohini, Delhi, 28-29 January 2011.

**Dr. Ramjee Dubey:** The International Conference on Global Perspective of HRM in Disability Sector, 28-29 January 2011.

**Dr. Vandana Gupta:** Presented paper International Conference on 'Sustainable Development' at Bharati Vidyapeeth Institute of Management and Research, Deemed University, 19-20 February 2011.

International Symposium 'Popularisation of Science towards capacity building of teachers', 28-29 January 2011.

## **MATA SUNDRI COLLEGE FOR WOMEN**

### **Students Academic Distinction**

<i>Name</i>	<i>Courses</i>	<i>Position in the University</i>
Ms. Ruchi Garg	B.El.Ed.	II

### **Library Development**

Total Budget	:	₹ 7,21,972/-
Books added	:	1600 Books
Journals subscribed to	:	65

### **Seminars/Conferences attended**

**Dr. Garima Kumar:** Awarded the first prize at the International Conference on mind, culture and human activities, psychological sciences in 21<sup>st</sup> Century for presenting a paper entitled 'Consumed by the marketing logic? Targeting the employee and consumer subjectivity' at JNU.

### **Publications**

**Singh, M.J.** Published a paper entitled 'A study of Shashi Deshpande's contribution to the evolution of an indigenous feminism' in the journal, *the Quest*, Vol. 23, No. 2.

**Mathur, M.** Presented a paper entitled 'Writing from the margins: myriad shades of female experience' in the poetry of Hira Bansode' at a UGC sponsored National Seminar on Dalit Literature at the university of Uttarakhand.

**Sharma, B.** Published a book entitled '*Drijder Aur Unka Karya*'. Delhi: Sanjay Prakashan.

**Dr. Garima Tripathi:** Published a paper entitled 'Is Habermas Discourse Ethics Valuable for Present Day Societies' in a UGC sponsored book entitled 'Dimension of Human Value' (ed.) Veena Kapoor, April 2010.

**Dr. Mona Sedwal:** Published an article entitled 'Schedule caste children in elementary education: social equity concern in equity and education in India; policy issue and challenges' edited by D. Parimala, published by Kanishka Publishers, New Delhi, 2010.

**Mrs. Indu Mazaldan:** Published her twelfth book of translation from Hungarian Literature. '*Rani ka Lehenga and other stories*', New Delhi: Kamal Prakashan.

## **MIRANDA HOUSE**

### **Major Activities**

Miranda House kept up the fast pace of development and undertook several new projects for strengthening the infrastructure. One of the Chemistry Labs was renovated to exacting standards and global benchmarks. Created more facilities for undergraduate research under the aegis of our D.S. Kothari Centre for Research and Innovation in Science Education. Its educational outreach increased manifold as we launched capacity building programmes at all levels, seamlessly integrating those for school students and teachers, with undergrad volunteers and faculty as mentors. The college became a partner institution for the Open Source Drug Discovery Project (OSDD) of CSIR.

### **Students Academic Distinctions**

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Soumini Ghosh	B.A. (Hons.) Political Science	I
Ms. Amrita Sengupta	B.A. (Hons.) Sociology	I
Ms. Moumita Mukherjee	B.A. (Hons.) Bengali	I

Ms. Arpita Saluja	B.A. (Hons.) Economics	I
Ms. Aarti Tiwari	B.Sc. Life Science	I
Ms. A. Akshaya	M.A. Carnatic Music	I
Ms. Aditi Sharma	M.A. Hindustani Music	I
Ms. Reetuparna Basak	M.Sc. Zoology	I
Ms. Rosy Talukdar	B.A. (Hons.) Sociology	II
Ms. Anuja Khanna	B.A. (Hons.) Economics	II
Ms. Aruna Thampy	M.A. Carnatic	II
Ms. Alivia Roy	M.Sc. Zoology	II
Ms. Satakashi	B.A. (Hons.) History	III
Ms. Mansi Virmani	B.A. (Hons.) Political Sc.	III
Ms. Ipsita Pradhan	B.A. (Hons.) Sociology	III
Ms. Meenakshi Goldar	B.A. (H) Bengali	III
Ms. Swati Sulabh	B.A. (Hons.) H. Music	III
Ms. Kamiya Jain	B.Sc. (Hons.) Chemistry	III
Ms. Akanksha Nag	B.Sc. Life Science	III
Ms. Veena Samashekar	M.A. Carnatic Music	III
Ms. Vibhu	M.Sc. Anthropology	III

### **Special Grants/Assistance/Projects**

#### *Awarded to the College*

UGC Grant: ₹ 26.75 crore; Special Grant for OBC Category: ₹ 38.04 Lakh; Special Grant under Commonwealth Games from UGC: ₹ 147.2 Lakh; Grants under XI Plan: ₹ 19.5 Lakh, Grant for construction of Hostel Extension Block: Rs. 1.32 crore; DBT Star College Scheme: ₹ 35 Lakh; Scholarships: ₹ 6.46 Lakh; Delhi Kalyan Samiti: ₹ 26 Lakh; Endowments: ₹ 12.02 Lakh; State Bank of India: ₹ 1.87 Lakh.

### **Research Schemes**

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organization</i>
A Study of Certain Optimization Problems and Applications of Computer Aided Software.	Dr. Surjeet Suneja, Dr. Meetu B. Grover	UGC
Cloning & expression of selected intraphagosomal expressed genes of Mycobacterium tuberculosis.	Dr. Sadhna Sharma	OSDD, CSIR

## Library Development

Total Budget		
Books	:	₹ 10,92,100
Reading Room	:	₹ 84,688
Books added	:	1,700
Journals subscribed to	:	132

## Appointments of Faculty members to the higher Posts/Assignments

**Dr. Pratibha Jolly:** Selected for the prestigious 2009-2010 Fulbright New Century Scholars (NCS) Program on the theme The University as Innovation Driver and Knowledge Center. This enabled her to work collaboratively from May 2009 to April 2010 with a multidisciplinary group of 35 International scholars from 23 countries. Within this framework, her specific project is on Strengthening and Disseminating PHYSWARE: A collaborative project to promote hands-on physics education at the undergraduate level throughout the developing world.

**Dr. Nonica Datta:** Invited inaugural Visiting Professor in South Asian History, University of Toronto.

## Honours/Distinctions

**Dr. Pratibha Jolly:** Awarded 10th GR8! Women Awards, 2011, in the category of Education by The Indian Television Academy at Kingdom of Dreams, Gurgaon, on 7 February 2011.

**Awarded Dr. S. Radhakrishnan Smriti Rashtriya Shikshak Samman 2010** for contribution in the field of education by All India Freelance Journalist & Writer's Association in New Delhi on 4 September 2010.

## Seminars/Conferences attended

**Ms. Namrata Jain:** Presented a paper titled Folk-Urban, Mythic Contemporary Continuum in Girish Karnad's Naga Mandala at an International Conference on Myth, Literature and the Unconscious at the University of Essex, UK, 2 to 4 September 2010.

**Dr. Nisha Bala Tyagi and Ms. Anuradha Sinha:** Wrote a joint paper titled 'Knowledge: A study in Indian Philosophy and Technology' an International Conference at Harvard University, USA, 31 May to 3 June 2010.

**Dr. Nisha Bala Tyagi:** Presented a paper titled 'Human Trafficking in India' at an International Conference at University of California, LA, USA, 29 June to 2 July 2010.

**Dr. Namrata Singh:** Presented a paper on 'Bhagidari-citizen, government partnership' in the 33<sup>rd</sup> Annual Teaching Public Administration Conference (TPAC) at Grand Valley State University, Michigan, USA, on 15 May, 2010.

**Dr. Pratibha Jolly:** Participated in the final meeting of the New Century Scholars titled 'The University as Knowledge Center and Innovation Driver: Linking Campus to Community' held at the Georgetown University, Washington DC, 21-26 April 2010.

Chairperson, International Commission of Physics Education (ICPE), Commission 14 of the International Union of Pure and Applied Physics (IUPAP), delivered a talk titled 'International Commission on Physics Educations: Challenges and Opportunities' on 27 August 2010 at the GIREP-ICPE-MPTL International Conference Teaching and Learning Physics Today: Challenges? Benefits? held at the University of Reims Champagne-Ardenne, Reims, France, 22-27 August 2010. The talk was a part of the 50th Anniversary Celebration of the International Commission on Physics Education (ICPE).

**Ms. Anuradha Sinha:** Paper titled Knowledge Transfer and Services at Educational Institute at the International Conference on Knowledge and Information Society, organised by World Academy of Science, Engineering and Technology in Venice, Italy on 24-26 November 2010.

Paper titled 'Use of ICT & Review of E-governance in India' at an Annual Conference titled *International Journal of Arts and Science (IJAS)* in Rome, 28 November to 3 December 2010.

**Dr. Anita Sehgal and Dr. Sushma Moitra:** Attended the Third World Organization for Women in Science (TWOWS) Fourth General Assembly and International Conference on Women Scientists in a Changing World held in Beijing, China, 27-30 June 2010.

**Dr. Pratibha, Dr. Raj Verma Sinha and Dr. Shweta:** Attended an International Seminar on 'In the name of Honour: A Dialogue on Antrocentric Matrimonial Practices and Women's Subjugation in South Asia' organized by WSDC at Delhi University on 16-18 February 2011.

**Ms. Madhu Bala:** Presented research paper on the topic 'Vedo mein ausdhiye padap uttanparn ka swarup evm updyeta' in an International Seminar organized by Rajakiye Dungan Mahavidalaya, Bikaner, Rajasthan.

**Dr. Nonica Datta:** Presented a paper and chaired a session at a Seminar on 'Modernity and Changing Social Fabric of Punjab and Haryana' held at Indian Institute of Advanced Study, Shimla on 27-29 September 2010.

**Ms. Madhu:** Attended an International Conference on 'Christianity in History' organised by Centre for Historical Studies, JNU, 2-4 February 2011.

**Dr. Alka Saharan:** Presented paper on 'The ethical dilemma of culture and moral responsibility in the lieu of identity' in the National Seminar Philosophical Perspectives.

**Mr. Heni Francis Ariina:** Attended a lecture on '*Perception as Openness to the World – Merleau – Ponty and McDowell on the Nature of Perception*' by Rasmus Thybo Jensen, University of Copenhagen/ University College, Dublin in a National Seminar held at Centre for Philosophy, SSS – I, JNU on 10 December 2010.



**Ms. Punam Behari:** Participated in New Delhi International Conference on 'Cities and Climate Change at Vigyan Bhawan on 21 February 2011.

**Dr. Surjeet Suneja:** Participated in Satellite Conference on International Congress of Mathematicians 2010 (ICM 2010) on Mathematics in Science and Technology organized by ISIAM and Sharda University at India Habitat Centre, Delhi, 14-17 August 2010.

**Ms. K.V. Shantha and Ms. Meetu Bhatia Grover:** Participated in 'ICWM 2010, International Congress of Women Mathematicians 2010', held in Hyderabad from 17 to 18 August 2010.

**Ms. Meetu Bhatia Grover:** Participated in the International Workshop on 'Six Sigma, Lean Philosophy & Taguchi Methods' held at The Indian Statistical Institute Centre, Delhi on 4-5 February 2011.

**Dr. Pratibha Jolly:** Participated in the Workshop for organizers of the INSPIRE Internship Programme held at YASHADA, Pune on 23 September 2010.

Participated and gave an invited review talk titled 'Research and innovation in Physics education: Transforming classroom teaching and student learning' at an International biennial Conference epiSTEME-4, on Research on Science, Technology and Mathematics Education held at Homi Bhabha Centre for Science Education, Mumbai, 5-9 January 2011.

**Dr. Anita Sehgal, J. Subramanyan, Divya Rathi, Kalyani Tripathi, Meenakshi, Priyanka and Shagun Danda:** Presented a poster titled 'Comparison of Certain Properties of Soil and Organic manures Using Sensors' in an International Conference on Science, Spirituality and Humanity Transcending Discipline Barriers at Shivaji College, University of Delhi.

**Dr. Tanima Bose:** Participated in an International Conference on Open Paradigms in Education at the Indian International Centre, New Delhi, 31 January to 2 February 2011.

**Dr. Rekha Kumari:** Participated in International Conference titled 'Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants' at University of Delhi, 9-11 February 2011.

**Dr. Sadhna Sharma, Iti Saav and Navita Bharti:** Presented a poster titled 'Differential Expression of Toll like receptors and cytokine production by Mycobacterium tuberculosis strains' at the International Symposium on Tuberculosis Diagnostics, ICGEB, New Delhi 16-17 December 2010.

**Dr. Sadhna Sharma, Dr. Monika Sharma, Dr. Mridula Bose:** Presented a poster titled H37Rv infected autologous macrophages from pulmonary TB patients induce T cell death in coculture at the International Symposium on Tuberculosis Diagnostics, ICGEB, New Delhi, 16-17 December 2010.

**Dr. Monika Sharma:** Presented poster in International Symposium on 'Tuberculosis Diagnostics: Innovating to make an impact' held at International Centre for Genetic Engineering and Biotechnology, New Delhi on 16-17 December 2010.

**Ms. Upali Chakravarti:** Presented a paper titled 'Ethnographies of Care: Invisible Mothers, Invisible Work' at the XIII National Conference of the Indian Association for Women's Studies on theme Resisting Marginalizations, Challenging Hegemonies: Revisioning Gender Politics held at MGAHV, Wardha, 21-24 January 2011.

**Ms. Ashu Threja:** participated in the *epiSTEME 4, Fourth International Conference to Review Research on Science, Technology and Mathematics Education* organized by Homi Bhabha Centre of Science Education, Mumbai, 5-9 January 2011.

**Ms. Archana Kushwaha:** Presented a paper on 'What Tasks work and What Don't in an ESL Class' at a Conference organized by English Language Teacher's Association of India an Associate of the International Association of Teachers of English as a Foreign Language, UK, November 2010.

**Dr. Alka Saharan:** Attended International Conference on 'Between The Mainstream and The Fringe, Environmental Activism In A Globalized World' at Jamia Millia Islamia, 9-10 December 2010.

**Dr. Pratibha Jolly, Dr. Adarsh Gulati, Ms. PunamBehar and Ms. Lalita Dhar:** Participated in the 'Indo European Conference on Quality Assurance in Higher Education' jointly organized by the University of Delhi, Consortium of Erasmus Mundus External Cooperation Window-India (EMECW) and India-EU Study Centers Programme at Conference Centre, University of Delhi, 6-7 May 2010.

**Ms. Meera Sagar and Dr. Sunil Dua:** Presented a paper titled 'Harmonia Mundi: Harmony in the Renaissance' at a UGC National Seminar on A Note in Time: Music as Social Text organized by Sri Venkateswara College at Sahitya Akademi, New Delhi.

**Ms. Vandana Saxena:** Presented a paper in the 'Werewolves and narratives of disease in The Body in Culture', Conference organized by Jawaharlal Nehru University (JNU) from 3-4 March 2011.

**Dr. Rajni Disodia:** Participated in National Seminar on prominent poet 'Agyey' in Hindu College in December 2010.

**Dr. Meena Kumari:** Presented research paper on the topic 'Aushadhiye padap ark' in the National Seminar at Bikaner, Rajasthan.

**Ms. Seema Rani:** Presented research paper on the topic 'Atharvved mein prapt varun namak aushadhiye padap ki upyogita' in the National Seminar at Bikaner, Rajasthan.

**Dr. Nisha Bala Tyagi:** Attended a National Seminar on 'Philosophy and distance Learning: Innovations in Knowledge Learning' at IGNOU on 28 October 2010.

**Dr. Pratibha:** Attended a National Seminar on 'Philosophy and Distance Learning: Innovations in knowledge Infusion' at IGNOU on 28-29 October 2010.

**Ms. Simmi Valecha:** Participated in a National Seminar, 'Philosophy and Distance Learning: Innovations in Knowledge Infusion' at School of Interdisciplinary and Trans-disciplinary Studies and CBCI chair, IGNOU, New Delhi, 28-29 October 2010.

**Dr. Alka Saharan:** Presented a paper on 'The Concept of Atomism in Democritus and Vaicēeska's Philosophy and Cultural Pluralism' in the National Seminar on GREECE BEYOND GREECE with special reference to Vedic, Greek and Iranian Parallels: The Cultural Triangle organized by Greek Chair, School of Language, Literature and Culture Studies & Special Center for Sanskrit studies, Jawaharlal Nehru University on 17-19 April 2010.

Attended a National Conference on 'Women Entrepreneurship: Challenges and Opportunities' at India Habitat Centre, New Delhi on 16 December 2010.

**Mr. Heni Francis Ariina:** Participated in a National Seminar on 'Philosophy and Distance Learning Innovations in Knowledge Infusion' organised by School of Interdisciplinary and Trans-disciplinary Studies and CBCI Chair, Indira Gandhi National Open University at IGNOU on 28-29 October 2010.

**Dr. Reema Bhatia:** Guest Speaker on the topic 'Changing Mediascapes' at the National Summit on Transcending Boundaries - The Next Generation Business and Technology Summit organized by HCL Infosystems Limited, 16-18 September 2010.

**Dr. Pratibha Jolly:** Invited speaker at a panel discussion on the theme 'Reaching the teachers: Integrating Environmental Education into Teacher Education Programme at Colleges and Universities'. The discussion was a part of the School Educators Conference organized by TERI on the theme Participatory Approach towards Environmental Education: Special focus on Perception and Roles of various Stakeholders at the TERI Gram, Gurgaon on 28 October 2010.

**Dr. Sunita Dhingra:** Poster titled 'Adopting Greener Practices in Chemical Education: Economical and Safer Nitration of Aromatic Compounds' *3rd IUPAC Conference on Green Chemistry*, Ottawa, Canada, 15-18 August 2010.

Participated in an International Workshop on Sustainability and Water Quality, jointly organized by Green Chemistry Network Center, Department of Chemistry, ACS, 17-20 January 2011.

**Dr. Sunita Dhingra, Dr. Sharda M. Sonkar, Dr. Nutan Rani, Dr. Malti Sharma and Dr. Anita Kumari:** Participated in National Workshop on Renewable Energy and Environment organized by Department of Chemistry, Ramjas College, 28-29 January 2011.

**Dr. Kalawati Saini:** Participated in National Workshop on 'Computational Science' organized by Swami Shraddhanand College, University of Delhi, 1-7 July 2010.

**Dr. Smriti Sharma Bhatia:** Presented a paper on 'DFT study of Functionalization of Carbon nanotubes with carbenes at First National Conference on Recent Advances in Polymer Nanocomposites', organized by Department of Physics, Zakir Hussain College on 14-15 January 2011.

**Dr. Smriti Sharma Bhatia and Dr. Anita Kumari:** Attended the National Seminar on 'Role of Analytical Techniques in Biological & Environmental Sciences' at Conference Centre, Delhi University, 27-29 January 2011.

**Dr. Madhu Bajaj and Dr. Saloni Bahri:** Participated in National Symposium on 'Frontiers and Avenues in Plant Sciences' organised by Shivaji College, University of Delhi, 20-21 January 2011.

**Dr. Saloni Bahri:** Participated in the National Seminar on 'Role of Analytical Techniques in Biological and Environmental Sciences', organized by Kirori Mal College, Indian Society of Analytical Scientists (ISAS-DC) and Petrotech Society of India on 27-29 January 2011.

**Dr. Suchismita Dass:** Participated in National Workshop on 'RNAomics: Isolation to interference', Shivaji College, University of Delhi, 25-29 October 2010.

**Dr. Nisha Vashisht, Dr. Rekha Kumari and Dr. Jyoti Arora:** Participated in a National Symposium on 'Prevention is Better than Cure: Ways to Keep the Lifestyle Diseases at Bay' organized by the Department of Zoology, Hindu College, University of Delhi, from 8-10 September 2010.

**Dr. Jyoti Arora:** Participated in a National Workshop on 'RNAomics Isolation to Interference' organized by Department of Biochemistry, Shivaji College, University of Delhi, 25-29 October 2010.

**Ms. Neetu Rana:** Attended a Workshop on issues: 'How to make teaching in the classroom a joyful experience; Corporal Punishment; Child Rights; Difficulties faced by children with special needs; stress; Bullying etc.' organized by SCERT for pre service teacher's trainers in Delhi in January 2011.

**Ms. Sitalakshmi:** Participated in the International Conference on 'Education in Chemistry', organised by Association of Chemistry Teachers and Homi Bhabha Centre for Science Education at Homi Bhabha Centre for Science Education TIFR, Mumbai, 12-14 November 2010.

**Ms. Ashu Threja:** Participated in Discussion Seminar on 'Mathematics Education' organized by Homi Bhabha Centre of Science Education, Mumbai, India, 22-23 August 2010.

**Dr. Barnali Biswas:** Attended a Seminar on 'Development in the Face of Changing World: Challenges to Educational Development' organised by the Department of Geography, Miranda House on 25 January 2011.

## **Publications**

### *Books*

**Nag Purohit, Nisha.** Samvedana ka samaj. *Jansatta*, 5 October 2010.

**Nag Purohit, Nisha.** 23 November 2010, Utsavo ka shahar. *Jansatta*, 23 November 2010.

**Disodia, Rajni.** July-September 2010, Charpai. *Anbhai Sancha*, July-Sept. 2010.

- Disodia, Rajni.** 19 September 2010, Aalochana ke purugrah. *Jansatta*, 19 Sept. 2010.
- Yadav, Rama.** On Bhanu Bharti was published in *Alav*. July – August, 2010.
- Yadav, Rama.** Article Natak: Manch Par Aane Se Pahle in *Samayik Srijan*. July – August, 2010.
- Saxena, Vandana. 2011.** Adolescence, Magical Realism and Racial Encounters. *ALAN Review*, a journal of young adult literature. The article appears in Summer issue.
- Kannojiya, Reena. 2010.** *Hegel's Philosophy: Doctrine of Spirit*. Lap Lambert Academic Publishing, Saarbrücken (Germany).
- Verma Sinha, Raj. 2010.** *Female Foeticide in India: An Ethico Philosophical Perspective*, Abstract of Papers, *First Asian Philosophy Congress*, New Delhi. Macmillan Publishers India Ltd.
- Sarkar, A. 2011.** Turning Commons into Commodities: Socio Economic Cost of Privatization of Groundwater Aquifers in North-Western India in Abstracts: International Seminar International Perspectives on Water Resources and Environment (Singapore) 39-42, EWRI, ASCE and NUS, Singapore.
- 2011.** Groundwater Irrigation in Punjab: Issues of Proportionate Equity and Prior Appropriation in Abstracts National Seminar Globalization, Population and Regional Development (Chandigarh) 51-52, NAGI and Punjab University, Chandigarh.
- 2010.** Groundwater Mining in Punjab, India: Issues of Intra and Inter Generational Equity in Groundwater Irrigation in Seminar Proceedings: International Symposium *Environmental Degradation and Sustainable Development* (Dhaka, Bangladesh) 142 - 151, BUET, Dhaka, Bangladesh.
- Purva Yadav, 2011.** Impact of Globalisation on India: An Analysis of the Changing Patterns of Foreign Trade in abstracts: All-India Seminar on Population Growth and Sustainable Development in Uttar Pradesh, UGC, Jhansi.
- Datta, N. 2010.** 3<sup>rd</sup> Impression. *Violence, Martyrdom and Partition*. New Delhi: Oxford University Press.
- 2011.** *Memory and History: Crafting a Daughter's Testimony in Gender, Caste and Patriarchy in Colonial India: A Reader*. (ed. Charu Gupta) Orient Blackswan, New Delhi.
- Forthcoming. *Beyond Biography and Archives*. In *Biography and History* (ed. R. Gopinath) Primus Books, New Delhi.
- Sharma, S. 2011.** *Delivering Girls' Education in India - Making Panchayats Responsible*. Mosaic Books, New Delhi.
- 2011.** *Bharat aur Maanav Adhikaar in Bhartiye Shaasan Aur Raajniiti* (ed. Chowdhary and Kumar) 533-45. Orient Blackswan.
- Bhatia, M.,** *Higher Order Duality in Vector Optimization over Cones*. *Optimization Letters*. DOI: 10.1007/s11590-010-0248-0, available online.

**Gupta, N. and Aggarwal, S.** MIB: *Using mutual information for biclustering gene expression data*, Pattern Recognition, Vol. 43, Issue 8, August 2010, pp. 2692-2697.

**Jolly, P.,** ICPE Chair's Corner, *Newsletter of International Commission on Physics Education*, Vol. 59, May 2010.

**Jolly, P., Kapoor, K., Roy, B., Pathak, M., Saini, K. and Sharma, M.** *Comparative Spectrometric Estimation of Caffeine Content in Tea, Coffee and Soft Drinks*. Proceedings. *National Workshop on Renewable Energy and Environment* (Department of Chemistry, Ramjas College). 28 to 29 January 2011. A9/WS-2011,19.

**Sehgal, A., Jitendra, P., Khurana, Sethi, M. and Ara, H. 2010.** *Occurrence of unique three-celled megagametophyte and single fertilization in an aquatic angiosperm-Dalzellia zeylanica Podostemaceae-Tristichoideae*. Sexual Plant Reproduction- online.

**Dhiman, M., Sharma, V. and Moitra, S. 2010.** Somantic embryogenesis and plant regeneration in Ephedra Plant Tissue Culture & Biotech. 20: 133-134.

The following E-chapters based on the syllabus for B.Sc. Life Sciences Paper 18 LSPT 510 *Biochemistry and Immunology*, have been submitted to ILLS South Campus, Delhi University: Bose, T.K. 2010, Chapter 1. *Carbohydrate Metabolism*. 2. Bose, T.K. 2010, Chapter 2. *Lipid Metabolism*.

**Kumari, R., Tecon, R. and Van der Meer, J.R. 2010.** Development of New Bacterial Bioreporters for the Detection of Long Chain Alkanes Based on the Transcriptional Activator AlkS from the Marine Bacterium *Alcanivorax borkumensis* strain SK2. (Submitted).

#### *Research Articles*

**Nagpurohit, N.** *Uninde ka sapana. Bayaan* (Story). pp. 22-25, June 2010.

*Punarjanm-nirakh-parakh* (Story), pp. 11-15, June 2010.

**Bhatia, R. 2010.** Situating Declining Sex Ratio: Evidence from North India. In *Health Illness and Medicine* (ed. Arima Mishra) 6:155-189. Orient Blackswan Private Limited, New Delhi.

**Suneja, S.K., Khurana, S. and Bhatia, M. 2011.** 'Optimality and Duality in Vector Optimization involving Generalized type – I functions over Cones'. *Journal of Global Optimization*, 49: 23-25.

## MOTI LAL NEHRU COLLEGE

### Honours/Distinctions

**Mr. Suraj Shah:** Awarded Ph.D. Degree.

**Munish Tamang:** Chief Selector for All India Radio National Poetry Competition for Nepali Language.



Member of People's Tribunal for Telengana. Tribunal headed by Justice Sawant.

Internationally acclaimed author Patrick French's book 'India: An Intimate Biography of 1.2 billion people', has a section on Munish Tamang and his work.

### **Seminars/Conferences attended**

**Dr. Paramita Ghosh:** Presented research paper entitled 'Gap junction reconstituted proteoliposomes: modulation of the gating of the channels by self-phosphorylation - a nonstationary noise analysis' in the International Conference 'International Liposome Research Days and Lipids, Liposomes & Membrane Biophysics' at University of British Columbia, Vancouver, Canada, 4-8 August 2010.

**Dr. R.B. Pachwarya:** Presented a research paper in National ISAS Symposium Shimla organised in Shimla University, paper entitled 'Purification of Azo Dyes Polluted Wastewater of Textile Industries through Degradation Process by Applying Recently Developed Photo Catalyst-Methylene Blue Immobilized Resin Dowex-11', 12-14 April 2010.

Presented a research paper in DST-Workshop on WPPP-2010 water purification possibilities and prospects organised in Department of Chemistry JNV University Jodhpur. Paper entitled 'Development of a New Photo reactor with high efficiency of water purification', 4-5 December 2010.

Presented a research paper in National Conference on Role of Green Chemistry for Risk Free Environment-2010 (RGCREE-2010). Paper entitled 'Roll of resin based photo catalyst for purification of dye polluted water' organised by Poornima Group of Institution, Jaipur, 18 December 2010.

Attended a National Workshop on 'Renewable Energy: The hope of the Future' organised by Ramjas College, University of Delhi, 28-29 January 2011.

**Archana Chauhan:** Participated a National Seminar on 'Financial Sector reforms in India' - The Road ahead, organized by Shaheed Bhagat Singh College at V.P. Chest Auditorium on 21-22 January 2011.

**Divya Gupta:** National Seminar on 'Financial Sector Reforms in India - The Road Ahead' at Vallabhai Patel Auditorium, North Campus, organised by Commerce Department of Shaheed Bhagat Singh College, 21-22 January 2011.

National Conference on 'Issues on International Trade during Globalization Era' by Shri Ram College of Commerce in College auditorium, on 19-20 November 2010.

**Mr. Suraj Shah:** Attended a National Seminar on 'Financial Sector Reform in India - The Road Ahead' conducted by Shaheed Bhagat Singh College at Patel Chest Auditorium, 21-22 January 2011.

**Ms. Anu Pandey:** Presented paper entitled 'Women Entrepreneurship: Opportunities and Challenges' at the 63<sup>rd</sup> Annual Conference of Indian Commerce Association, at Goa University, Goa, 1-3 October 2010.



Presented paper entitled 'Problem of Women Entrepreneurs' at the National Conference on Women Entrepreneurship in India at Banaras Hindu University, Varanasi, during 22-23 October 2010.

Paper entitled 'Entrepreneurship and Gender' presentation at the Ninth Biennial Conference on Entrepreneurship at Entrepreneurship Development Institute, Gandhinagar, Gujrat, 16-18 February 2011.

**Dr. Seema Srivastava:** Participated in National Seminar organized by Department of Financial Studies, South Campus in association with Indian Accounting Association, Delhi Chapter - Topic - Indian Financial Sector: Thrust and Challenges, 30 October 2010.

Participated in the Conference organized by Shri Ram College of Commerce, Delhi - Topic - Paradigm Shift from Accounting Standards to International Financial Reporting Standards, on 28 November 2010.

**Dr. Omprakash Gusai:** A paper entitled - Perusal of Impact of Green advertising: Individual Responsibility and Collective Action has presented in the 63<sup>rd</sup> All India Commerce Conference (Annual Conference of Indian Commerce Association) organized by Faculty of Commerce, Goa University, Goa, 1-3 October 2010.

A paper entitled - Compliance of Business Ethics: A procedural Guide has presented in the XXXIII All India Accounting Conference and International Seminar on accounting education and research, Jointly organized by Deptt. of Commerce, University of Kerala and Indian accounting Association, Kerala Branch held at Thiruvananthpuram, 13-14 November 2010.

Participated in the National Conference on - Issues in International Trade during Globalization Era, organized by Shri Ram College of Commerce, University of Delhi, 13-14 November 2010.

Participated in the National Conference on - Paradigam Shift from accounting standards to International Financial Reporting standards organized by Shri Ram College of Commerce University of Delhi with Northern India Regional Council, ICAI, as knowledge partner held on 28 November 2010.

A paper entitled - MGNREGA: Technology for transparency and enforcing rights, has presented in the National Seminar on MNREGA: opportunities and challenges, organized by University Commerce College, University of Rajasthan, Jaipur (Rajasthan), 8-9 January 2011.

Participated in the UGC Sponsored National Seminar on Financial Sector Reforms in India - The road ahead, organized by Deptt. of Commerce Shahid Bhagat Singh College, University of Delhi, 21-22 January 2011.

**Monika Gupta:** Participated in the National Seminar on 'Indian Financial Sector: Thrust and Challenges' organised by the Department of Financial Studies, South Campus, in association with Indian Accounting Association, Delhi Chapter, 30 October 2010.

Participated in the UGC sponsored National Seminar on Financial Sector Reforms in India - The Road Ahead, organized by Shaheed Bhagat Singh College, University of Delhi, 21-22 January 2011.

**Kuntal Tamang:** Presented a paper on 'Natyashastra', National Seminar on Indian Aesthetics, organized by Pt. Jawaharlal Nehru College, Faridabad, February 2011.

Reading a paper: Regional Aspirations/Nationalist. Agenda: Narrating the Nation through sports, National Seminar: Sports Literature Culture at IP College, Delhi University, 10-12 March 2011.

**Dr. C.P. Mishra:** Presented a paper on 'Poonjivadi Pariprekshey Mein Stri Mukti', National Seminar in PGDAV College on the topic 'Naye Vimarsho Ka Yatharth' on 22 Dec. 2010.

Presented a paper on 'Media Ka Badalta Swaroop', National Seminar on 'Global Media and Hindi Patrakarita' in PGDAV College on 23-24 February 2011

Attended National Seminar on the topic 'Badalta Samaj Manovigyan Aur Hindi' organised by Nav Unnyan Sahityik Society in Arts Faculty on the 25 February 2011.

**Dr. Bhaskar Lal Karn:** Attended the National Seminar on the topic Mahatma Gandhi and his relevance in the modern context, Motilal Nehru College, 7 February 2011.

**Dr. Vipul Singh:** Invited to present a paper at Hawaii International Conference, USA in June 2010. He also visited University of Chicago.

Presented a paper titled 'Higher Education, Indian Tradition and Environmental Concerns' at Mumbai University.

**Dr. Kanta Khurana:** Attended a Seminar on 'Mathematica' organized by Wolfram Research for the India Mathematica Tour 2010, University of Delhi.

**Ritu Kathuria and Dr. Shashi Tiwari:** Attended National Workshop on 'Differential Equations, Computing and Modelling', Department of Mathematics, University of Delhi, 20-24 December 2010.

**Anupam Goel and Mukesh Aggarwal:** Attended a Workshop on Mathematica at the University of Delhi, South Campus, 8 December 2010.

**Mukesh Aggarwal:** Attended National Workshop 'Numerical Methods and Differential Equations in Computational Science (NUMDECS-2011) at DDU College, 1-5 February 2011.

**Dr. Suman Sharma:** Presented a paper on 'Empowerment of Poor' in Trivandrum in International Conference on 'Achieving Millenium Development Goals' organised by NAPSIPAG - December 2010.

**Dr. Vandana Mishra:** Presented a paper titled 'Crisis of Parties in Indian Democracy' at a UGC-sponsored National Seminar: 'Contextualising Democracy in 21<sup>st</sup> Century: Problems and Challenges' organized by Kalindi College, University of Delhi, 3-4 February 2011.

**Yogesh Gupta:** Presented a paper in ISA 2011 Annual Convention, Global Governance: Political Authority in Transition at Montreal, Quebec, Canada, 16-19 March 2011.

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

**Dr. Ramesh Sharma:** Recited poems in function at Uttarakhand Sanskrit University, Haridwar, organized by Sahitya Akademi, 25 April 2010.

Appointed Member of the Board to conduct Viva-voce Examination for awards of Ph.D. degree in Hindi at Annamalai University, 24-25 September 2010; Nominated Member of the UGC Expert Committee for evaluation of proposals under the scheme of Minor Research Projects/Seminar/Conferences/Workshop in the subject area: Hindi in the office of UGC, Central Regional Office Bhopal, 27 December 2010.

### **Publications**

**Ghosh, P.** Published a paper entitled 'Cadmium induced protein in wheat: characterization and localization in root tissue' in *Biologia Plantarum*, 52(2): 343-46.

**Agrawal, S.** Paper entitled 'Novel triblock conducting copolymer: A theoretical study' published in November issue of *Indian Journal of Chemistry, Section A*.

**Jarwal, D.** Published article on 'Reforms in Corporate Governance should penetrate into micro level' in the prestigious souvenir of 38<sup>th</sup> National Convention of Company Secretaries held at Kolkata, 2-4 September 2010.

**Gupta, Y.** Published an article 'Rise of India and China Prospectus and International Implications' in the *Journal South Asia Politics*, January 2011 edition.

#### *Books Published*

Waha Bhi Adami to Hota Hai - published by Granthlok Niketan.

Bolti Dibiya, published by National Book Trust.

Jadui Bansuri Aur Anya Koriyai Kathayen - published by National Book Trust.

## **MOTILAL NEHRU EVENING COLLEGE**

### **Library Development**

Total Budget	:	₹ 335057/-
(inclusive of Maintenance Grant, OBC Grant, XIth Plan)		
Books added	:	926
Journals subscribed to	:	24

### **Seminars/Conferences attended**

**Dr. Pradip Sharan:** Presented a paper entitled 'The Teaching of English in India: Problems and the probable solutions.' UGC sponsored National Seminar on 'The Teaching of English

as a Second Language: Past trends and future direction' organized by the Post Graduate Department of English, H.N.B. Government P.G. College, Khatima, Udham Singh Nagar, Uttarakhand, 10-11 March 2011.

### **Publications**

**Dahiya, H.**, An Early Scholar of Shakespeare in India. *Journal of Drama Studies*. Vol. 4, No. 2 (July 2010). 101-114.

**2010.** Paradoxes of Politics in Shakespeare's Julius Caesar. The critic Shakespear: Essays in appreciation (eds. Prahas, A. and Dahiya, S.P.S.) 145-157, The Shakespear Association, Kurukshetra (India).

## **NETAJI SUBHASH INSTITUTE OF TECHNOLOGY**

### **Major Activities**

Ranked 11<sup>th</sup> best engineering college in India by Dataquest -IDC T-School Survey in 2010. In the placement wise ranking of the survey NSIT stood at 4th place. NSIT was placed at 3rd place in North Zone of India in the Zone Wise Ranking (Excluding IITs) of the survey.

### **Library Development**

Total Budget : ₹ 2,1272822.00  
Books added : 2,381  
Journals subscribed to : Online - 1010, Print - 11(121)

### **Seminars/Conferences held**

India International Conference on Power Electronics, 28-30 January 2011.

### **Seminars/Conferences attended**

**Sarita Baghel, Ranjana Jha, Nikhil Jindal and Nisha Tanwar:** 'Organic Solar Cells: A Review' at National Seminar on 'Recent Trends in Advancement of Mathematical and Physical Sciences' organized by D.N. College, Meerut, 5-6 February 2011.

**Sarita Baghel, Ranjana Jha and Nikhil Jindal:** 'Recent Developments in Dye Sensitized Solar Cell' at the National Conference on 'Recent Advances in Polymer Nanocomposites' organized by Zakir Hussain College, University of Delhi, 14-15 January 2011.

**Ranjana Jha,** Prediction of Indoor Thermal Comfort Zone using U values of Opaque and Transparent Components of Buildings for Different Climatic Zones of India International Congress on Renewable Energy (ICORE), Chandigarh, 1-3 December 2010.

### **Publications**

#### *Research Articles*

**Gaur, P., Mittal, A.P., Agrawal, B. and Kumar, S.P. 2010.** 'Auto Pilot for Car using Fuzzy Logic and Laser Scanning Radar Sensor', *International Journal of MRCE*, Vol. 2.

- Kumar, V. and Mittal, A.P. 2010.** 'Architecture, Performance and Stability Analysis of a Formula - based Fuzzy I-Fuzzy-P-Fuzzy D Controller, Springer-veelag, Vol. 3 Issue 3.
- Meena, T. and Srivastava, S. 2010.** 'A new Kernelized hybrid c--mean Clustering model with optimized parameters', *Journal of Applied Soft Computing*, Vol. 10, Issue 2.
- Hote, Y.V., Gupta, J.R.P. and Choudhury Roy, D. 2010.** 'Kharitonov's Theorem and Routh criterion for stability margin of interval systems', *International Journal of Control, Automation and Systems*, Vol. 8, No. 3, pp. 647-54.
- Jaikla, W., Lahiri, A., Kwawsibsame, A. and Siripruchyanun, M. 2010.** 'High-input impedance voltage-mode universal filter using CCCCTAs', pp. 754-58.
- Jaikla, W., Lahiri, A. and Siripruchyanun, M. 2010.** 'Capacitance multipliers using tunable four terminal floating nullors', pp. 42--5.
- Rana, K.P.S., Singh, R. and Sayann, K.S. 2010.** 'A novel technique for acquisition and presentation of complex vibration waveforms', *IEEE Transactions on Instrumentation and Measurement*, Vol. 59, No.6, pp. 1652-62.
- 2010.** 'Correlation based novel technique for real time oscilloscope triggering for complex waveforms', *Measurement: Journal of the International Measurement Confederation*, Vol. 43, No. 3, pp. 299-311.
- Kumar, V. and Mittal, A.P. 2010.** 'Parallel fuzzy P+fuzzy I+fuzzy D controller: Design and performance evaluation', *International Journal of Automation and Computing*, Vol. 7, No. 4, pp. 463-71.
- Sharma, S.N. 2010.** 'A connection between multi-linear and Volterra systems', *Applied Mathematics and Computation*, Vol. 216, No. 7, pp. 1918-22.
- Srivastava, R. and Gupta, J.R.P. 2010.** A PDE-based nonlinear filter adapted to Rayleigh's speckle noise for de-speckling 2D ultrasound images.
- Srivastava, R., Gupta, J.R.P. and Parthasarthy, H. 2010.** 'Comparison of PDE based and other techniques for speckle reduction from digitally reconstructed holographic images', *Optics and Lasers in Engineering*, Vol. 48, No. 5, pp. 626-35.
- Tushir, M. and Srivastava, S. 2010.** 'A new Kernelized hybrid c-mean clustering model with optimized parameters', *Applied Soft Computing Journal*, Vol. 10, No. 2, pp. 381-89.
- Singh, S., Maheshwari, S., Pandey, P.C. and Dey, A. 2010.** 'Experimental results and analysis for electrical discharge machining (EDM) of aluminium metal matrix composites with power-mixed dielectric - the lenth's method' *International Journal of Manufacturing Technology & Management (UMTM)*, Inderscience Publishers, Vol. 21, Nos. A., pp. 67-82.

- Sharma, S. and Agrawal, N. 2010.** 'Multi-criteria decision making for the selection of a production control policy', *International Journal of Industrial and Systems Engineering*, Vol. 6, No. 3, pp. 321-39.
- Singh, J., Garg, P., Nath, A. and De, A. 2010.** 'Data hiding in audio using Random Orthogonal Matrices', *Information Security Journal: A Global Perspective*, 1939-3547, Vol. 19, Issue 5, pp. 273-81.
- Gupta, S.S., Sharma, R.K, Baskar, D.R. and Senani, R. 2010.** 'Sinusoidal oscillators with explicit current-feedback op-amps', *International Journal of Circuit Theory and Applications*, Vol. 38, No. 2, pp. 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)*, Vol. 97, No. 3, pp. 263--72.
- Gupta, M., Varshney, P. and Visweswaran, G.S. 2010.** 'Digital fractional order differentiator and integrator models based on first order and higher order operators', *International Journal of Circuit Theory and Applications*, John Wiley Publications DOI: 10.1002/cta.650, 2010.available on line.
- Arora, R. and Parthasarathy, H. 2010.** 'Optimal estimation and detection in homogeneous spaces', *IEEE Transactions on Signal Processing*, Vol. 58, No. 5, pp. 2623-35.
- Bhaskar, D.R., Senani, R. and Singh, A.K. 2010.** 'Linear sinusoidal VCOs: New configurations using current - feedback -op-amps', *International Journal of Electronics*, Vol. 97, No. 3, pp. 263-72.
- 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 Journal of Circuit Theory and Applications*, Vol. 38, No. 2, pp. 131-47.
- Jaikla, W., Lahiri, A., Kwawsibsame, A. and Siripruchyanun, M. 2010.** 'High-input impedance voltage-mode universal filter using CCCCTAs', pp. 754-58.
- Jaikla, W., Lahiri, A. and Siripruchyanun, M. 2010.** 'Capacitance multipliers using tunable four terminal floating nullors', pp. 42-5.
- Rawat, T.K. and Parthasarathy, H. 2010.** 'On stochastic modelling of linear circuits', *International Journal of Circuit Theory and Applications*, Vol. 38, No. 3, pp. 259-74.
- Kumar, P. and Senani, R. 2010.** 'New grounded simulated inductance circuit using a single PFTFN', *Analog Integrated Circuits and Signal Processing*, Vol. 62, No. 1, pp. 105-12.
- Kumar, Y., Sharma, A.K. and Agarwala, R.A. 2010.** 'Analytical investigations on crosstalk in fiber Raman amplification for WDM systems', *Optik*, Vol. 121, No. 1, pp. 50-3.

- Kumar, Y., Sharma, A.K. and Agarwala, R.A. 2010.** 'Investigation on interchannel crosstalk at ADM for an optical ring network', *Optik*, Vol. 121, No. 1, pp. 45-9.
- Majumdar, S. and Parthasarathy, H. 2010.** 'Perturbation approach to Ebers--Moll equations for transistor circuit analysis', *Circuits, Systems, and Signal Processing*, Vol. 29, No. 3, pp. 431-48.
- 2010.** 'Wavelet-Based Transistor Parameter Estimation', *Circuits, Systems, and Signal Processing*, pp. 1-18.
- Lahiri, A. 2010.** 'Resistor-less sinusoid generator also measures capacitance', *Electronic Design*, Vol. 58, No. 2, pp. 76-7.
- Lahiri, A., Jaikla, W. and Siripruchyanun, M. 2010.** 'Explicit-current-output second-order sinusoidal oscillators using two CFOAs and grounded capacitors', *AEU- International Journal of Electronics and Communications*.
- Purohit, R. and Sagar, R. 2010.** 'Fabrication and testing of Al-SiCp composite poppet valve guides', *International Journal of Advanced Manufacturing Technology*, pp. 1-14.
- Sengar, S., Joshi, S.D. and Prasad, S. 2010.** 'Transceiver Design and Performance Analysis of Space Time Coded Fractal Modulation', *Wireless Personal Communications*, pp. 1-18.
- Majumdar, S. and Parthasarathy, H. 2010.** 'Perturbation approach to Ebers--Moll equations for transistor circuit analysis', *Circuits, Systems, and Signal Processing*, Vol. 29, No. 3, pp. 431-48.
- Misra, S., Dhurandher, S.K., Rayankula, A. and Agrawal, D. 2010.** 'Using honeynodes for defense against jamming attacks in wireless infrastructure-based networks', *Computers and Electrical Engineering*, Vol. 36, No. 2, pp. 367-82.
- Singh, S.P. and Iyer, S. 2010.** 'Effect of SRS and FWM on performance of optical star WDM networks: A deterministic approach', pp. 1-4.
- Agarwal, S., Mishra, N.K., Bhatnagar, S. and Bhatnagar, R. 2010.** 'PemK toxin of Bacillus anthracis is a ribonuclease: An insight into its active site, structure, and function', *Journal of Biological Chemistry*, Vol. 285, No. 10, pp. 7254-70.
- Aral, A. and Gupta, V. 2010.** 'On the Durrmeyer type modification of the q-Baskakov type operators', *Nonlinear Analysis, Theory, Methods and Applications*, Vol. 72, No. 3-4, pp. 1171-80.
- Bansal, M., Lal, C., Srivastava, R., Kamalasanan, M.N. and Tanwar, L.S. 2010.** 'Comparison of structure and yield of multiwall carbon nanotubes produced by the CVD technique and a water assisted method', *Physica B: Condensed Matter*, Vol. 405, No. 7, pp. 1745--49.



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- 2010.** 'Change in conformation of polymer PFO on addition of multiwall carbon nanotubes', *Nanoscale*, Vol. 2, No. 7, pp. 1171--77.
- 2010.** 'Low electrical percolation threshold and PL quenching in solution-blended MWNT-MEH PPV nanocomposites', *Journal of Experimental Nanoscience*, Vol. 5, No. 5, pp. 412-26.
- Finta, Z. and Gupta, V. 2010.** 'Approximation properties of q-Baskakov operators', *Central European Journal of Mathematics*, Vol. 8, No. 1, pp. 199-211.
- Gupta, V. and Aral, A. 2010.** 'Convergence of the q analogue of Szász--Beta operators', *Applied Mathematics and Computation*, Vol. 216, No. 2, pp. 374-80.
- Gupta, V. and Duman, O. 2010.** 'Bernstein-durrmeyer type operators preserving linear functions', *Matematicki Vesnik*, Vol. 62, No. 4, pp. 259-64.
- Gupta, V. and Kim, T. 2010.** 'On the rate of approximation by q modified Beta operators', *Journal of Mathematical Analysis and Applications*.
- Himani, J. and Purnima, J. 2010.** 'Development of glass fiber, wollastonite reinforced polypropylene hybrid composite: Mechanical properties and morphology', *Materials Science and Engineering A*, Vol. 527, No. 7-8, pp. 1946-51.
- Singh, J.K. 2010.** 'Some bianchi type-V cosmological models in bransdicke theory', *International Journal of Modern Physics A*, Vol. 25, No. 18-19, pp. 3817-24.
- 2010.** 'Some cosmological models in scalar-tensor theories', *Modern Physics Letters A*, Vol. 25, No. 27, pp. 2363-71.
- Singh, J.K. and Sharma, N.K. 2010.** 'Some Bianchi type-II cosmological models in Brans-Dicke theory', *Astrophysics and Space Science*, Vol. 327, No. 2, pp. 293-98.
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- 2010.** 'Some Exact Solutions of String Cosmological Models in Bianchi Type-II Space-Time', *International Journal of Theoretical Physics*, Vol. 49, No. 11, pp. 2902-09.
- Bansal, A. and Garg, P. 2010.** 'Performance analysis of coded cooperation under Nakagami-m fading channels'.
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- Pawar, R., Saini, J.S., Gopal, M. and Mittal, A.P. 2010.** 'Towards generalized expression for schemata count', *Applied Soft Computing Journal*.

- Purohit, R. and Sagar, R. 2010.** 'Fabrication and testing of Al-SiCp composite poppet valve guides', *International Journal of Advanced Manufacturing Technology*, pp. 1-14.
- Sodhi, A. and Gandhi, G. 2010.** 'Circuit mimicking tio2 memristor: A Plug and play kit to understand the fourth passive element', *International Journal of Bifurcation and Chaos*, Vol. 20, No. 8, pp. 2537-45.
- Upasana and Chakravarty, S. 2010.** 'A survey of text classification techniques for e-mail filtering', pp. 32.
- Dubey, A.K., Bharadwaj, P.R., Varghese, J.N. and MacReadie, I.G. 2009.** 'Alzheimer's amyloid- $\beta$  rescues yeast from hydroxide toxicity', *Journal of Alzheimer's Disease*, Pawar, R., Saini, J.S., Gopal, M. and Mittal, A.P. 'Towards generalized expression for schemata count', *Applied Soft Computing Journal*, 2010.
- Kumar, A. and Chakraverty, S. 2010.** 'Fault-Tolerant Embedded System Co-design'. *Journal of Computing*, 2, No. 9, pp. 132-37.
- Pandey, U., Chakraverty, S., Mihani, R., Sharma, R., Arya, R. and Rathore, S. 2010.** 'A fuzzy approach for context driven document classification', Proc. 2nd Intl. Conf. on Advances in Computer Science ACS-2010, Trivandrum, Kerala, India.
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- Pandey, U., Chakraverty, S. and Jain, R. 2010.** 'Context Driven Technique for Document Classification', *International Journal on Network Security*, Vol. 2, No. 2, pp. 23-7.
- Aggarwal, A., Bhatia, G. and Chakraverty, S.** 'A state model for scheduling built in self testing and scrubbing in FPGA to maximize system availability in space applications', Proc. IEEE India Intl. conf. on Power Electronics-IICPE-2010, Jan. 28-30, 2011, NSIT, New Delhi, India.
- Sharma, U. and Chakraverty, S. 2011.** 'A novel approach for providing fault tolerance to FPGA based reconfigurable systems', Proc Intl. conf. on Digital Convergence (ICDC-2011), Hyderabad, India.
- Kumar, A. and Chakraverty, S. 2011.** 'Service Availability Driven Re-configurable Embedded System Design' Book Chapter in *Information Intelligence, Systems, Technology and Management*, Dua, S., Sahni, S. and Goyal, D.P. (eds), pp 265-76 and in Proc. 5th Communications in Computer and Information Science, Vol. 141, Springer, Berlin Heidelberg.
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- Kumar, A. and Chakarverty, S. '2011.** 'Reliable Hardware software codesign', Mobysys 2011, Ph.D. Forum, Proc. of 9th Annual International Conference on Mobile Systems, Applications and Services, Washington DC, USA.

- Virmani, D. and Jain, S. 2011.** 'Real Time Communication Capacity for Data Delivery in Wireless Sensor Networks', *International Journal of Computer Science Issues*, Vol. 8, Issue 4, No. 1, pp. 655-64, ISSN: 1694-0814.
- 2011.** 'Real Time scheduling with Virtual Nodes for Self Stabilization in Wireless Sensor Networks', *International Journal of Information Technology and Knowledge Management* July-December 2011, Volume 4, No. 2, pp. 477-83, ISSN: 0973-4414.
- 'Reliable Robust and Real-Time Communication Protocol for Data Delivery in Wireless sensor Networks' *International Journal of Information Technology and Knowledge Management*, Vol. 4, No. 2, pp. 595-601, ISSN: 0973-4414.
- 2011.** 'Performance analysis of lifetime maximizing trees for data aggregation in wireless sensor networks' *International Journal on Computer Science and Engineering*, Vol. 3, No. 1, pp. 276-85, ISSN: 0975-3397.
- 2010.** 'Stable Routing for achieving Quality of Service in Wireless Sensor Networks' *International Journal of Computer Application special issue on Mobile Ad-hoc Networks*, DOI 10.512/1010-47, pp. 30-4, ISSN: 0975- 8887.
- 2010.** 'Fault Tolerant Optimal Path for Data Delivery in Wireless Sensor Networks', ACM Digital Library 10.1145/1858378.1858424, pp. 35-41.
- 'Robust and Real Time Data Delivery in Wireless Sensor Networks', LNCS Springer's, Book series CCIS, DOI 10.1007/978\_3-642-15766-9\_19/2010, ISSN -1865-0937, pp. 129-35.
- 'Virtual nodes for self-stabilization in wireless sensor networks', LNCS Springer's, Book series CCIS, DOI 10.1007/978\_3-642-15766-0\_57/2010, ISSN -1865-0937, pp. 371-75.
- 2010.** 'Quality of Service On-Demand Power Aware Routing Algorithm For Wireless Sensor Networks', LNCS Springer's, Book series CCIS, DOI 10.1007/978\_3-642-12214-9-46, ISSN -1865-0937, pp. 281-89.
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- Gupta, A. and Goel, P.** *ST-GAIT: A Framework for Human Identification based on Structural and Transitional Characteristics in GAIT*, In Proceeding of International Conference on Control, Robotics and Cybernetics (IEEE-ICCRC 2011), New Delhi, India, 21-23 March 2011.
- Gupta, A., Bedi, H., Don Bosco, M.S. and Vinay Shashidhar, V. 2010.** Simulation to track 3D location in GSM through NS2 and real life, *International journal on applications of graph theory in wireless ad hoc networks and sensor networks (GRAPH-HOC)*, Vol. 2, No. 1, pp. 18-29.

**Gupta, A., Gupta, S.K., Gupta, P., Isha, M.G., Sabharwal, S. and Goyal, V. 2010.** 'Suspicion Model: Standardizing Synthetic Information in Context Honeytrap for a Suspected User', *In Proceeding of International Journal of Computing & Information Technology (IJCIT)*, Vol. 2, No. 2, pp. 219-35.

**Gupta, A., Gupta, S.K., Isha, M.G., Gupta, P., Goyal, V. and Sabharwal, S. 2010.** 'Opacity Characteristic of Context Honeytrap System', *In Proceeding of Information Security Journal: A Global Perspective, Taylor and Francis*, Vol. 19, No. 3, pp. 142-52.

**Kumar, S. and Chand, S. 2011.** 'New Pixel based Approach for Reverse Play of MPEG Video for Streaming System', *Signal Processing: Image Communication Journal*, Elsevier, 26, pp. 182-92.

**Chand, S. 2011.** 'Live Video Services using Fast Broadcasting Scheme', *Circuit and Systems Journal*, Scientific Research Publishing, Vol. 2, pp. 151-61.

**2010.** 'Live Video Services using Fast Broadcasting Scheme', *Communications and Network Journal*, Scientific Research Publishing, Vol. 2(1), pp. 79-85.

**Kumar, S. and Chand, S. 2010.** 'Extraction of Desired Partial Block of a Frame from MPEG Video Stream', *International Journal of Computer Applications (0975 – 8887)*, Vol. 1(2), pp. 85-8.

**Chand, S. and Hari Om, 2010.** 'Efficient Staircase Scheme with Seamless Channel Transition Mechanism', *Computer Networks, Elsevier*, Vol. 54(3), pp. 462-74.

**Dev, K. and Chand, S. 2010.** 'Layered Mixed Media Painting', *International Conference on Computer and Communications Technology (ICCCT-2010)*, pp. 242-47.

**Sibal, R.** Prioritisation of Test Case Scenarios Derived From Activity Diagram Using Genetic Algorithm', pp. 481-85, *Proceedings of Int'l. Conference on Computer and Communication Technology*, Motilal Nehru National Institute of Technology (MNNIT), Allahbad, 17-19 September 2010.

**Kumar, B.** 'Adaptive channel allocation algorithm for video delivery', *Intl. Conf. on Computer and Communication Technology ICCCT-2010, NIT, Allahabad, 17-19 September 2010.*

## NEHRU HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL

### Library Development

Total Budget	:	₹ 1,00,000.00
Books added	:	176
Journals subscribed	:	6

### **Seminars/Conferences attended**

**Dr. Anu Kapoor:** Participation as speaker of a paper 'Evaluation of Boriand children types in prescribing' at the XVII All India Homoeopathic Conference of Homoeopathic Medical Association of India at Hotel Hilton, 18-19 December 2010.

Participation in scientific paper presented at International Homoeopathic Conference (AHML) at IDSA 2010.

**Dr. Sapna Gupta:** International Conference on Pathology of Environmental long diseases organization by VPCI, Delhi, 30 November 2010.

## **P.G.D.A.V. COLLEGE**

### **Library Development**

Total Budget : ₹ 797684.00  
Books added : 2,836

### **Research Work:**

**Dr. Arpita Aggarwal:** Awarded Ph.D. on Evaluation of Adaptive Hyper-Media by the University of Delhi.

**Dr. Mini:** Awarded Ph.D. by Jamia Milia Islamia University.

### **Seminars/Conferences attended**

**Ms. Ravish Sharma:** Presented paper on Adaptive link Sequence Recommendation at the International Seminar ACS-2010.

**Ms. Payal Malik:** Participated in the Seminar IC Statistics in India organized by ITU and UNSD at Seoul, in July 2010.

Invited to speak on 'Innovative System and Rise of Asia in ICTRD in Seminar at Brussels, 16-17 February 2011.

### **Publications**

**Pahuja, S.** Wrote an article on need for environmentally sensitive accounting in corporate sector in India which was published in the journal published by Indian Institute of Finance.

## **P.G.D.A.V. COLLEGE (EVENING)**

### **Library Development**

Total Budget : ₹ 3,31,200.00/-  
Books added : 746  
Journals subscribed to : 22

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

**Dr. Ramesh Chandra Sharma:** Selected as Visiting Professor of Hindi at University of Ghent, Belgium, September 2010.

### **Seminars/Conferences held**

National Seminar on 'Hindi Sahitya: Naye Vimarshoan Ka Yatharth' on 21 December 2010.

National Conference on 'Global Media Aur Hindi Patrakarita' on 23 February 2011.

**Sh. Anil Swadeshi:** Presented a paper entitled 'Examining the Use of the Monitor in L2 in a Community Where Comprehensive Input is not present' at an International Conference held at the Centre of Behavioral and Cognitive Sciences, University of Allahabad in December 2010.

**Dr. Meena Sharma:** Presented a paper entitled 'Violence Against Woman' at an International Seminar held at Women's Studies and Development Centre, University of Delhi.

**Jyotsna Prabhakar:** Presented a paper entitled 'Rationale & Implication of Study Skills in Colleges in Haryana' at a National Seminar sponsored by the Haryana Education Council at DAV College, Yamuna Nagar.

**Dr. Asha Rani:** Presented a paper entitled 'Aaj Ke Prashan Aur Agey' at a National Conference on 'Nagarjun Aur Agey Ka Sahitya' held at Hansraj College Delhi in March 2011.

**Dr. Anil Kumar Singh:** Presented a paper entitled 'Nagarjun Ki Bhasha' at a National Conference on 'Nagarjun Aur Agey Ka Sahitya' at Hansraj College, Delhi, March 2011.

**Dr. Meena Sharma:** Presented a paper entitled 'Nagarjun Ke Sahitya Mein Samajik Tatva' at a National Conference on 'Nagarjun Aur Agey Ka Sahitya' at Hansraj College Delhi, March 2011.

Presented a paper entitled 'Bhoomandalikaran Ke daur mein Hindi' at a National Conference at S.D. College Palwal in October 2010.

**Dr. S.R. Raj:** Presented a paper entitled 'Representation Rights in Era of Liberalization' at a National Seminars held at the Centre for Federal Studies, New Delhi in February 2011.

### **Publication**

**Sharma, M. 2010.** *Maharashi Dayanand Saraswati Aur Stree Vimarsh.* Kitam Ghar, Delhi.

## **PANDIT DEEN DAYAL UPADHYAYA INSTITUTE FOR THE PHYSICALLY HANDICAPPED**

### **Library Development**

Total Budget	:	₹ 10,00,000.00
Books added	:	190
Journals subscribed	:	10 professional foreign journals.

### **Seminars/Conferences held**

Seminar conducted on Pneumatic Knee in collaboration with P&O International.

Seminar conducted on casting of AE in collaboration with endolite.

### **Publications**

Research Articles in Books or Scholarly Journals

**Singh, N. and Arya, K.N. 2010.** ‘Controlled trial of Occupational Therapy based education program in the management of stress urinary incontinence in women’, *Indian Journal of Occupational Therapy*.

**Batra, M., Batra, V. and Sharma, V.P. 2010.** ‘Multi variant tone influencing positioning system (MVTIPS) to maximize Task specific functional abilities in cerebral palsy’, *Indian Journal of Occupational Therapy*, Vol. XI II issues 2, 15-16.

**Batra, M., Batra, V., Shurma, V.P. and Malik, G.K. 2010.** ‘Targeting postural reaction deficits in children with cerebral palsy; a case report’, *Sri Lanka journal of child health*, 40, 78-9.

**Batra, V., Batra, M., Sharma, V.P. and Sharma, V. 2010.** ‘Context specific proprioceptive retraining technique and its implication on functional disability status in Early knee osteoarthritis’, *Indian Journal of Occupational Therapy*, Vol. XI II issues 3, 13--22.

**Aggarwal, A., Kumar, S. and Kumar, D. 2010.** ‘Effect of core Stabilization Training on the lower trunk endurance performance’, *JMR*; 13(4): 167-76.

## **RAMANUJAN COLLEGE**

### **Major Activities**

The college has signed an Agreement with Association of International Accountants, London, U.K. to start the International Professional Accounting course.

### **Special Grants/Assistance/Projects**

**Awarded to the College:** ₹ 1.50 lac for National Seminar by UGC ₹ 2.50 lac for Foundation course in the scheme of Human Rights Education under XIth Plan.

₹ 1.35 lac for Promotion of Ethics and Human Values under XIth Plan.

### **Library Development**

Total Budget	:	₹ 4,55,100.00
Books added	:	499
Journals subscribed	:	20



### **Seminar/Conference held**

National Seminar on '*Socialist Philosophy and Socialist Politics after Lohia: Chasms and Bridges*' was organized by college at Conference Centre, University of Delhi on 28-30 March 2011 to mark the birth centenary of Dr. Rammanohar Lohia.

### **Seminars/Conferences attended**

**Dr. S.P. Aggarwal:** Chairperson in technical session at International Conference on 'Emerging Trends in Management' at Bharti Vidyapeeth University.

**Mrs. Rachna Gupta:** Attended the National Seminar on 'Financial Sector Reforms in India - The Road Ahead' at Shaheed Bhagat Singh College.

**Dr. A.L. Dubey:** Attended All India Commerce Conference and presented paper on 'Direct Tax Code' at Goa University with Indian Commerce Association.

**Dr. Meena Sharma:** Attended International Conference on 'In the Name of Honour: Androcentric Matrimonial Practices and Women's Subjugation in South Asia' at Women's Study & Development Centre, University of Delhi.

**Mr. Bipin Kumar Tiwary:** Presented a paper on 'Climate change and human rights' in a National Seminar at Centre for Federal Studies, Jamia Hamdard, New Delhi.

### **Publications**

#### *Articles*

**Aggarwal, S.P. 2011.** 'Rural Marketing Initiatives in India: Challenges, Opportunities & Strategies'. Discovery Publication.

**2011.** 'Swot Analysis and use of nanomaterial in the automobile industry' commerce Journal - Anusandhanika, Ranchi University.

**Kumar, A.** 'Somalia Crises Peace Process: An Uncertain Future?' In Contemporary Arica Issues and Concerns.

'Global Governance and Social Responsibility of Business' in book 'Ethics in Governance'.

**Aggarwal, S.P., Mishra, T.K. and Tiwary, B. 2010.** edited books 'Ethics in Governance'. K.K. Publication.

## **RAMJAS COLLEGE**

### **Major Activities**

'India Today' in its Best College Surveys has placed Ramjas College at 6<sup>th</sup> rank in Sciences and 5<sup>th</sup> rank in Arts and 23 in Commerce in its All India Survey.

Ramjas College has been selected for financial support under Star College Scheme by the Department of Biotechnology. This grant may be extended to the next three to four years based on yearly evaluations. Dr. Sukanya Lal and Dr. Hardeep Kaur represented Ramjas College as coordinators.

## **New Course Introduced**

Certificate courses in Chinese, Japanese, Spanish, French, German and Italian languages.

## **Honours/Distinctions**

**Dr Rajendra Prasad:** Invited to South Asian Exchange Students Meet (SAESM) held at Colombo, Sri Lanka in November 2010 and launched SAESM website.

**Dr. Amit Kumar Sharma:** Received the Young Scientist Award (Shree B.M.L. Bhasin Memorial Award) for presenting research paper in the Convention of Chemists and International Conference on Recent Advances in Chemical Sciences organized by Indian Chemical Society, Kolkata, December 2010).

**Dr. Bimlesh Lochab:** Awarded first prize in Poster Competition in National Workshop on Renewable Energy & Environment (NREE), organized by Ramjas College, January 2011.

**Dr. Sonia Goel and Dr. Amit Bhattacharya:** Awarded with Ph.D. degree by University of Delhi.

## **Seminars/Conferences held**

Seminar on 'Gita and Gandhi – in modern perspective' which highlighted the importance of Bhagavadgita in the contemporary age along with its impact on the thought of Gandhiji, December 2010.

Seminar on 'Indian Theater' conducted by Department of Sanskrit, ₹, March 2011.

Department of Chemistry, Ramjas College organized a National Workshop on Renewable Energy and Environment at Conference Centre, University of Delhi in January 2011.

## **Seminars/Conferences attended**

**Dr. Sonia Goel:** Presented a paper entitled 'Testing for Market Integration of the Money Market in India' in International Conference on Applied Economics and Time Series Econometrics organized by the IBS, Hyderabad, April 2010.

Presented a paper entitled 'Financial Liberalization: Efficiency of Indian Money Market' at the Annual Conference on Money and Finance organized by the IGIDR, Mumbai, February 2011.

**Dr. Sukanya Lal, Dr. Hardeep Kaur and Dr Amit Bhattacharya:** Participated in 'International Conference on Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane (HCH) & Other Chlorinated Contaminants' organized by Indo - Swiss Collaboration in Biotechnology (ISCB), Department of Zoology, University of Delhi, February, 2011.

**Dr. Mohan Chand:** Participated in National Seminar on 'Nation and Society' organized by Centre for Advanced Study, Philosophy Department, Rajasthan University, Jaipur, and presented a research paper entitled 'The Concept of Bharata Rastra and its Social and

Political relevance in Modern Context'. He has Presented a Research paper on 'Water Management and Harvesting techniques in Ancient India in a Seminar on 'Jal Vigyan 'in Sanskrit Literature' organised by Delhi Sanskrit Academy.

**Mrs. Manisha Chakravorty:** Presented papers on 'Sports Technology' at National Conference organized by Noida College of Physical Education (U.P) and National Seminar organized by Government College Chandigarh.

**Dr. Manoj Kumar Arora:** Participated and presented research paper in an International Conference organized by the University of Michigan, U.S.A in October, 2010.

**Dr. Bimlesh Lochab:** Participated in 'International Workshop on Advances in Asbestos Free Composites -III (IWAFFC-III)' at I.I.T., Delhi.

### **Publications**

**Kaushik, M.** Published 4 International publications in high impact factor journals such as Biopolymers, Biochimie, Current Molecular Medicine, Biochemistry in the academic year 2010-11.

**Kumawat, L.** Published a paper entitled 'Modeling Changes in Seasonality in Indian Manufacturing Production: An Application of the STAR Model' in the *Journal of Economic Policy Reform* published by Routledge, UK.

**Arora, M.K.** Published few research publications in International journals - one in International Journal *Physica Scripta* (IOP Publication, UK.) and two in the International Journal 'Integrated Ferroelectric', UK.

**Chand, M.** Published Many articles on Indian Culture and traditions in National newspaper 'Rastriya Sahara'.

**Sharma, A.K.** published one research paper in the International Journal 'Spectrochimica Acta A' Elsevier, UK.

**Lochab, B.** Published an article in International Journal of Thermal Analysis and Calorimetry and a Chapter in Book entitled 'Design and Synthesis of Different Types of Poly Lactic Acid' published by John Wiley & Sons.

## **RAM LAL ANAND COLLEGE**

### **Library Development**

Total Budget : ₹ 8,11,000/-  
Books added : 919  
Journals subscribed to : 70

### **Publications**

**Sharma, V.K. and Tandon, N. (ed.) 2011.** *Kiran Desai and her Fictional World*, New Delhi: Atlantic Publishers.

**Sharma, V.K.** Gave 4 keynote addresses at various institutions in India on topics, such as Communication Skills, Soft Skills, Curriculum Design in English for Language Students and Marginalisation in Indian Literature.

**Raj, T. 2010.** Three articles in three different journals.

**Khare, G., Gupta, V., Nangpal, P., Gupta, R.K., Sauter, N.K. and Tyagi, A.K. 2011.** Ferritin Structure from Mycobacterium tuberculosis: Comparative Study with Homologues Identifies Extended C-Terminus Involved in Ferroxidase Activity, *Plos One* (International Journal) Vol. 4, Issue 6, e18570.

## RAM LAL ANAND COLLEGE (EVENING)

### Special Grants/Assistance/Projects

Awarded to Individual Teachers : ₹ 54936/-.

### Library Development

Total Budget : ₹ 3.5 lakh  
Books added : 662  
Journals subscribed to : 31

### Seminars/Conferences attended

**Dr. Manoj Sinha:** Attended National Workshop of Community Colleges organized by National Center for Innovation in Distance Education hosted by IGNOU.

Presented a paper on 'Ethics and Sustainable Development' in National Seminar on 'Ethics Human Rights and Science' organized by Center for Federal Studies, Jamia Hamdard, New Delhi.

**Dr. B. Mangalam:** Presentation on '*Identity Politics*' – Resistance to Assimilation at the International Conference hosted by Comparative Studies Center, University of Kerala, Trivandrum. She also read a paper on 'Translation and Dalit Studies' at a Conference on Post-Colonial Translation organized by Leverhulme Trust, New Castle University (UK) at India International Center.

**Dr. Surajit Deb:** Presented a paper 'Can Trade Liberalisation Promote Growth in Agriculture : Evidence from India and China' at the 13<sup>th</sup> GTAP Annual Conference on Global Economic Analysis, organized by UNESCAP, and GTAP (Center for Global Trade Analysis, Purdue University) and ADB (Asian Development Bank) held in Penang, Malaysia. Another paper Agricultural Terms of Trade and Rural Out-Migration in India was presented at the Trans-Nationality of Migrants Workshop on Frontiers of Migration Research, organized by Institute for Employment Research (IAB) and Hamburg Institute of International Economics held in University of Bamberg, Germany.

**Dr. Suvojit Lahiri Chakravarty:** Presented a paper titled 'Globalization & Monetary Policy Independence' at the Conference on Empirical Issues in International Trade & Finance held at Indian Institute of Foreign Trade. He also presented a paper titled 'Capital Flows & Monetary Policy Independence—the Indian Experience' at the National Seminar on 'Globalisation and Indian Economy' at SGTB Khalsa College, Delhi University. This paper received the best paper award.

### **Publications**

**Deb, S.** Grain Management in Andhra Pradesh : Scope for Reforms. *Indian Journal of Agricultural Economics*, Vol. 65, No. 2, April-June 2010.

**Singh, J.K.** Comparative Study of Structural Shift in Venture Capital Flows Among USA, India and China. *AIMA e-journal* Vol.4, No. 2/4, May 2010.

**Sinha, M. ed.,** *Prashasan avam Lokneeti*, New Delhi : Orient Blackswan, 2010.

**Dash, C.S.** *Group Dynamics And Work Performance*, AK Publication, ISBN No. 9789380164304.

*Dynamics of Leadership And Decision Making*, AK Publication, ISBN No. 9789380164298.

## **RAJDHANI COLLEGE**

### **Special Grants/Assistance/Projects**

**Awarded to the College:** ₹31,00,000/-

#### **Awarded to the Individual Teachers:**

1. ₹ 1,02,500/- to Dr. R.D. Sharma, Department of Mathematics (UGC).
2. ₹ 3, 30,300/- to Dr. S.K. Dhaka, Department of Physics & Electronics (ISRO).
3. \$ 61,335/- to Ms Anubha Anushree, Department of English (FLTA).

### **Library Development**

Total Budget : ₹ 20,57,900/-(Inclusive of ₹ 1.5 L for OBC)  
Books added : 4413  
Journals subscribed to : Journals 54, Newspapers 19

### **Appointments of Faculty members to higher Posts/Assignments**

**Dr. Vijay Laxmi Pandit:** Nominated member on the District Level Monitoring Committee by the West District, Directorate of Health Service, Government of NCT of Delhi; Nominated as a member for the Social Sciences Courses Admission Committee by the Vice-Chancellor, University of Delhi, for the academic year 2011.

**Ms. Anushree, Anubha:** Served as a Member, Selection Committee for Fulbright-Nehru Teaching Assistant (American Students) and Fulbright Language Teaching Assistant (Indian

Students) hosted by United-States India Education Fund (USIEF); Served as a Fulbright Representative to the dinner meet hosted by USIEF in honor of Ms Ellen McKey, Director, Foreign Fulbright Programmes Division, Institute of International Education on 1st February, 2011 and Adam J. Grotsky, Executive Director, USIEF on 25th February, 2011 for the 61st Foundation Day celebrations; Served as a reporter for the International Conference organized by WSDC, University of Delhi, 16-17 February 2011.

### **Honours/Distinctions**

**Mr. Ambagudia, Jagannath:** Member, Editorial Board, *The Journal of Alternative Perspectives in the Social Sciences* (<http://japss.org/>), Published by the Guild of Independent Scholars.

**Dr. Mahendra Singh, Dr. Priyanka Kaushik, Dr. Arun Chaudhary, Dr. Amit Sarwal, Dr. Sarangthem Santinath Singh and Dr. Surendra Singh:** Awarded Ph.D. Degree.

### **Seminars/Conferences attended**

**Dr. Vijay Laxmi Pandit:** Attended Indo-European Conference on 'Quality Assurance in Higher Education,' on 6-7 May 2010 at the Conference Centre of the University of Delhi organized by the Consortium Mundus External Cooperation Window-India, (IESCP) and University of Delhi.

Chaired Technical Session-VII UGC sponsored National Conference on The Changing Dynamics of Governance on India: A Road Ahead, organized by College of Arts & Commerce, 23-25 March 2011.

**Ms. Agarwal, Megha:** Presented 'Impact of Index Features on the Index Spot Market: An Empirical Study at the National Stock Exchange,' at the 2<sup>nd</sup> International Conference on Data Analysis, Business Analytics and Intelligence at IIM, Ahmadabad, 8-9 January 2011.

Attended Conference on 'Rural India: Potential Hub for FDI', organized by Assocham, 1 Nov. 2010.

Attended Conference on 'Resurgent PSUs – Vibrant India' organized by Assocham, 16 Nov. 2010.

Attended Conference on 'Intellectual Property Rights', organized by Vaish Associates, 10 Dec. 2010.

Attended Hong Kong Guangdong Business Conference, organized by India Attitude, 27 Oct. 2010.

Attended Conference on 4th Doctoral Colloquium IIM, Ahmadabad, 3-4 January 2011.

Attended 2nd International Conference on Data Analysis, Business Analytics and Intelligence, organized by IIM, Ahmadabad, 8-9 January 2011.

**Ms. Mohini Aggarwal:** Participated in the Indo- European Conference on 'Quality Assurance in Higher Education' at the Conference Centre, University of Delhi, 6-7 May 2010.

Participated in the National Conference on 'Issues in International Trade during Globalization Era' organized by Shri Ram College of Commerce, University of Delhi, 19-20 Nov. 2010.

Participated in the UGC sponsored National Seminar on 'Financial Sector Reforms in India – The Road Ahead' at Shaheed Bhagat Singh College, University of Delhi, 21-22 Jan. 2011.

Participated in a National Seminar on 'Business and Economics' at Shivaji College, 25 Feb. 2011.

**Mr. Alam Shafiqul:** Attended rapporteur in the International Seminar – ‘In the Name of Honour: A Dialogue on Androcentric Matrimonial Practices and Women’s Subjugation in South Asia’, organized by WSDC, University of Delhi, 16-18 February 2011.

Attended National Conference, ‘A Note in Time: Music as Social Text’ organized by Sri Venkateswara College in collaboration with the UGC, Sangeet Natak Akademi, Department of English, University of Delhi and Goethe-Institute, Max Mueller Bhavan, at S.P. Jain Auditorium, Sri Venkateswara College, University of Delhi on 12-14 January 2011.

**Mr. Ambagudia Jagannath:** Paper presented ‘Tribal Rights, Dispossession and the State in Orissa’ at the National Seminar on Militant Left Radicalism, State and Civil Society: The Centrality of Tribal Land Rights, organized by the Council for Social Development, New Delhi, 10-11 December 2010.

**Ms Anushree Anubha:** Participation International Seminar on ‘Global Empowerment for Peace (GEP)’, a two-tiered Seminar in New York City, USA and Dakar, Senegal on Human Trafficking and Illegal Immigration. Presentation due on ‘Fanon and Gandhi: Racist Configurations of Modernity’.

Presented a paper ‘Re-membling the Memory: Hazari Prasad Dwivedi’s *Banabhatta ki Atmakatha* and *Anamdas ka Potha*’ at an International Conference organized by Department of Germanic and Romance Studies, University of Delhi on Figuring the Past: Literary and Historical Imaginations, 3-5 March 2011.

Presented a paper ‘In Quest of the Global Irony: The Shadows of Market in Amitava Ghosh’s *The Shadow Lines*’ at a UGC sponsored National Seminar at Bhagalpur University, 7 -9 February 2011.

Presented a paper ‘The Queer and the Progressive: Ahmed Ali and Delhi, Radical Protagonists of The Progressive Writers Movement’ at the International Student Conference organized by South Asian Department, Stanford University, USA and also served as a panelist for the session, 6-8 May 2010.

**Ms. Rakhi Arora:** Participated in National Conference on ‘Issues in International Trade during Globalization Era’ at SRCC, University of Delhi on 19-20 November 2010.

Participated in UGC sponsored National Seminar on ‘Financial sector reforms in India-the Road Ahead’ held at Sri SBS College, University of Delhi on 21-22 January 2011.

Participated in National Seminar on ‘Business and Economics’ in Shivaji College, University of Delhi on 25 February 2011.

**Ms. Enakshi Sinha Ray Chaudhary:** Participated in a National Seminar on ‘Public Policy and Delivery in the Post Reform India: Challenges Ahead’ at S.V. College on 20-21 Sept. 2010.

Participated in National Seminar on ‘Business and Economics’ at Shivaji College on 25 Feb. 2011.

Participated in UGC-CAS sponsored National Conference on ‘Accumulation, Immiserisation and Development’ organized by JNU, New Delhi on 7-9 March 2011.



**Mr. Harish Dahiya:** Presented 'Awareness of Legal Rights in Women,' at the UGC sponsored National Seminar on Women Empowerment: Issues & Challenges, at CRM Jat College, Hisar, Haryana, 29 January 2011.

**Dr. S.K. Dhaka:** Attended International Conference at Indian Institute of Tropical Meteorology, Pune.

Acted as Convener and Session Chairman in an International Conference: Oceanic Geosciences Society (AOGS) at International Convention Centre, Hyderabad.

**Dr. N.K. Gautum:** Participated in the National Seminar 'Role of Analytical Techniques in Biological and Environmental Sciences' hosted by Kirori Mal College in association with Indian Society of Analytical Scientists and Petrotech Society of India on 27-29 January 2011.

**Dr. Rajesh Kumar Jha:** Participated as Resource Person in a UGC funded National Workshop on 'Promotion of Ethical Values' organized by Dyal Singh College, Karnal on 12-13 March 2011.

**Dr. Priyanka Kaushik:** Participated in National Seminar on 'Financial Sector Reforms in India- the Road Ahead' organized by the SBS College on 21-22 Jan.2011.

**Mr. Banty Kumar:** Participated in the National Symposium on 'Challenging Areas in Forensic Science' in SGTB Khalsa College on 5 February 2011.

Attended the First Indo-Italian Workshop, on 'Frontiers of Fundamental and Industrial Electrochemistry: A Challenge for Better World in the Department of Chemistry, University of Delhi 30-31 August 2010.

Participated in the National Workshop on 'Renewable Energy and Environment' in Department of Chemistry, Ramjas College, University of Delhi on 28-29 January 2011.

**Dr. Sushil Kumar:** 'Data Hiding techniques based on Wavelet-like Transform and Complex Wavelet Transform', in IEEE Explore, International Symposium on Intelligence Information Processing and Trusted Computing, IPTC 2010, Huanggang, China, 28-29 October 2010.

'Image Steganography based on Complex Wavelet Transform', at 2<sup>nd</sup> National Conference on Software Engineering and Information Security, Acropolis Institute of Technology and Research, Indore, 23-24 December 2010.

'Image Steganography based on Complex Double Dual Tree Wavelet Transform' in IEEE Explore, The 3<sup>rd</sup> International Conference on Signal Acquisition and Processing, Singapore, 26-28 February 2011.

**Dr. Amit Sarwal:** Presented, 'Aussies Go Bolly': Australian Journeys through Indian Cinemascape,' (with Reema Sarwal), in International Conference on Australian Studies: Indian Perspectives, organized by UGC-SAP DRS-II Centre for English Studies, SLL & CS, JNU, New Delhi, 28-29 October 2010.

Served as Coordinator, at the International Workshop on 'Enriched Relations: Cultural Diplomacy in Australian-Indian Relations – Past, Present and Prospective', for Alfred Deakin Research Institute (ADRI), Deakin University, Australia at Le Meridian, New Delhi, 2 Dec. 2010.

Presented, 'Bollywood's Scariest Import: Bob Christo,' (with Reema Sarwal), in International Workshop on Enriched Relations: Cultural Diplomacy in Australian-Indian Relations – Past, Present and Prospective, organized by Alfred Deakin Research Institute, Deakin University, Australia at Hotel le Meridian, Janpath, New Delhi, 2 December 2010.

**Ms Sethi, Rachna:** Served a panelist at the Seminar on 'Managing Diversity: Oral Cultures as Resource in Indigenous Communities in Canada and India' at India International Centre, New Delhi on 29 October 2010.

Attended the National Seminar organized by Sri Venkateswara College, University of Delhi on A Note in Time: Music as Social Text, 12-14 January 2011.

Participated in International Conference organized by Dept, of English, DU on Postfeminist Postmortems? Gender, Sexualities and Multiple Modernities, 14-16 February 2011.

**Dr. Awadesh Kumar Shah:** Presented a paper 'The Role of Ashoka in Spread of Buddhism' at Indian History Congress, University of Delhi, 15-17 May 2010.

Participated in a Santigiri conducted and UNESCO, TERI and American Centre sponsored International Conference on 'Global Warming, Climate Change, Sustainable Development and Secular Spirituality' at Trivandrum, 9-11 September 2010.

**Dr. Bharti Sharma:** Presented 'Political Empowerment of Women: A Literary Reflection,' at a Northern Regional Centre, ICSSR, Govt. of India sponsored National Seminar on Gender Issues in India : A Pragmatic Approach for its Resolution, organized by Younker Scientific and Social Science Research Foundation at Saraswati Institute of Medical Sciences, Hapur, UP on 28 April 2010.

Presented 'Rabindra Nath Tagore's Poetry World,' at an International Seminar on Sharing Mind Between India and Korea through Poetry: Comparison between Tagore's Gitanjali and Cho Oh-Hyun's Manak Gathas, organized by Younker Scientific and Social Science Research Foundation, at Hapur, UP on 14 July 2010.

**Dr. R.D. Sharma:** Presented Connectedness in 'Generalized Fuzzy Topological Spaces', organized and chaired a session in the 19<sup>th</sup> International Conference on Interdisciplinary Mathematical and Statistical Techniques at Patna University, 18-19 December 2010.

**Mr. Ved Mitra Shukla:** Presented, 'India as a Nation in Dalitbahujan Writings: Reading Kancha Ilaiah's *The Weapon of the Other*' in UGC and ICSSR sponsored National Seminar on Dalit Literature: Past Trends and Present Concerns at Govt. P.G. College, Lansdowne (UK), October 2010.

Presented, 'Reading an Interracial, Cross-Cultural Sisterhood in Jhmpa Lahiri's *Hell-Heaven*' in a UGC sponsored International Conference on Postcolonial Literatures and the TransNational at Chaudhary Charan Singh University, Meerut, UP, April 2010.

Presented, 'A Thematic Analysis of Salman Rushdie's *Luka and the Fire of Life* (2010)' in UGC sponsored National Conference on 21<sup>st</sup> Century Indian English Novel at Mahatama Gandhi Kashi Vidyapith, Varanasi, UP, 5-6 February 2011.

Presented, '*Macbeth* (2006): a Re-reflexion of Shakespeare's *Macbeth* in an Era of Globalization' in a National Seminar on Reassessing World Drama: Visions, Experiments, Traditions at Punjabi University, Patiala (Punjab), 17-18 February, 2011.

Participated in a UGC, Sangeet Natak Akademi and Goethe-Institute (Max Mueller Bhavan) sponsored National Conference on 'A Note in Time: Music as Social Text' at Sri Venkateswara College.

### **Publications**

**Jagannath, A.** Published an article titled 'Tribal Rights, Dispossession and the State in Orissa', *Economic and Political Weekly*, Vol. XLV, No. 33.

Published a research work titled 'Combating Social Exclusion in Education: Re-Examining the 'Inclusive' Framework' in Yagati Rao and Sudhakar Karakati (eds.), *Exclusion and Discrimination: Concepts, China Perspectives and Challenges*, New Delhi: Kanishka Publishers and Distributors.

'Development or Destitution: Rethinking Tribal-State Relationship in Orissa' in Debal K. Singh Roy (ed.), *Interrogating Social Development: Global Perspectives and Local Initiatives*, New Delhi: Manohar Publishers and Distributors.

**Anubha, A.** Published (ed. volume, OUP) a collection of excerpt translations (from Hindi to English) of various essays, speeches and a play respectively by Bhartendu Harishchandra namely '*Nataak*', '*Vir Hindu*', '*Hindi Bhasa ki Vikas Kaise ho?*' and '*Ratnavali*'.

Published an article titled '*Yeh Safar Bahut hai Kathin Magar...*' in *Surubhi*, supplement to the Hindi National daily *Prabhat Khabar* on 22 January 2011.

**Dhaka, S.K.** Acted as a Reviewer of the International journal, *Journal of Atmospheric and Solar Terrestrial Physics* (UK), *Annales Geophysicae* (France) and *Journal of Met Soc of Japan* (Japan).

**Jha, S.K.** Contributed an article on 'Nature of Public Administration', in the book *Administration and Public Policy*, Publisher: Orient Blackswan.

Contributed an article on 'Party System and Coalition Politics in India' in the book *Contemporary India*, Publisher: Orient Longswan.

**Kapai, Y.** A book entitled *Naga Folktales: Analysis and Cultural Reflections* based on M. Phil dissertation is under publication with Anmol Publications.

**Kumar, Deo.** Co-authored a book titled *Visthapan - Vikas aur Virender Jain ke Upanyas*, August, 2010.

**Kumar, V.** Published a collection of short stories titled *Apne-Apne Kurukshetra* in the year 2010-11.

**Mishra, V.** Co-published a paper in journal *European Physical Letter: IOP Science* Direct Micro-imaging of Point Defects in Bulk SiO<sub>2</sub> Applied to Vacancy Diffusion and Clustering in 2010.

**Mohanty, S. 2010.** Published an article on 'Contribution of Indian Diaspora in Mozambique and Madagascar' in Ajay Dubey's edited book on *Contribution of Indian Diaspora in Africa*, New Delhi: MD Publications.

Written a Book Review on 'Tracing an Indian Diaspora: Contexts, Memories and Representations, edited by Parvati Raghuram, Ajay Kumar Sahoo, Brij Maharaj and Dave Sangha. Los Angeles, London, New Delhi, Singapore: Sage Publications, 2010, ISBN: 978-81-7829-833-7 (HB).

Contributed to *ASA News*, African Studies Association of India, Vol. II, No. 2, May-August-2010, ISSN-09745796.

**Dr. Raina, Ruchi Jain:** Published an International paper titled 'Evaluation of Blends of Alternative Gelling Agents with Agar and Development of Xanthagar, A Gelling Mix, Suitable for Plant Tissue Culture Media' in the *Asian Journal of Biotechnology*, 2010.

**Sarwal, A.** Co-edited 'Australian Made: A Multicultural Reader', with Sonia Mycak (Sydney: Sydney University Press, 2010). ISBN No. 978-1-920899-36-3.

**Sharma, R.D.** Published two research papers in the journal, *International Journal of Mathematical Sciences*.

Published a survey article, Frontiers of Topology in the *Journal of Informatics and Mathematical Sciences*.

**Dr. Shukla, Sidheswar Prasad,** published a research article titled 'A Brief History of Social Security Measures in India, from Earliest Times of Independence' in the Golden Jubilee volume of ESI-2011.

**Mr. Shukla, Ved Mitra:** Published a research-paper titled 'Reading an Interracial, Cross-Cultural Sisterhood in Jhumpa Lahiri's 'Hell-Heaven'. in *Journal of Teaching and Research in English Literature* 2.3 (ELTAI, Chennai, January-March, 2011), ISSN - 0975-8828. Web. 4 January 2011.

Published an article titled 'Mario Vargas Llosa: bahu-ayami sarjak.' *Dainik Jagran* 18 Oct. 2010, Literary sec.: 12. Print.

Published, 'Conditions and Contexts of Meaning: A Study of Bhart[hari's *Vākyapadīya*.' Abstracts: *First Asian Philosophy Congress*, 2010. Macmillan: New Delhi. 250, ISBN – 023-032926-8. Print.

**Singh, C.S.** Published a book titled *Pronominal System of Ladakhi: A Morpho-syntactic Analysis*. Delhi: Surjeet Publications.

Published an article titled 'Measurement of 'Tone': A Technical Aspect in *Journal of Informatics and Mathematical Sciences* (Vol. 2.1).

Published an article titled 'Acoustic Study of Persian Rhythmic Structure: Poetry vs. Prose' in *International Journal of Physics and Applications* (Vol.-2.1).

**Sethi, R.** Serves as the Secretary of FORTELL (Forum for Teachers of English Language and Literature) and has co-edited the January 2011 issue of FORTELL Journal (ISSN no. 2229-6557).

**Sharma, R.D.** Invited by Thomson Reuter, a member of the 'Council of American Survey Research Organization', Philadelphia, USA.

**Singh, C.S.** Participated in a National Seminar at the 'Centre of Advanced Studies in Linguistics', University of Delhi.

Paper presented at Malaysia International Conference on Foreign Languages (MICFL 2010): Languages and Construction of the Identities.

**Sinha, J.N.** Invited as Visiting Professor by Malda College, Gaur Banga University, Malda, West Bengal, under the UGC SAP Programme to deliver a series of lectures including a public lecture on aspects of history of science and social history.

Invited to deliver a talk 'Nehru and National Reconstruction in Pre-independent India,' at the National Seminar on Reassessment of Nehru's Role & Vision in the pre-Independence Period, at Nehru Studies Centre, Department of History & Indian Culture, University of Rajasthan, Jaipur, May 2010.

Presented 'British Scientific Opinion and India's Development: A Case Study of Professor A.V. Hill,' at the annual session of the Indian History Congress, Delhi, May 2010.

Presented 'National Concern for Environment in Colonial India: Post-Independence Reconstruction Agenda in Historical Perspective,' at the National Seminar on Environment, Development and Society held at the UGC Academic Staff College, Kumayun University, Nainital, Uttarakhand, October 2010.

Invited to deliver a talk 'Nehru's Role in the Modernization of India,' at a National Workshop held at the Nehru Studies Centre, Department of History & Indian Culture, University of Rajasthan, Jaipur, November 2010.

Invited to deliver a talk 'Science in Ancient India: Some Perspective for Future Research,' at the National Seminar on Ancient India – New Perspective, at the Department of History, BHU, Varanasi, November 2010.

Invited to deliver a talk 'Anti-Colonial Revolts in Bhojpuri-Speaking Region: Revolts of Fateh Bahadur Shahi and Kunwar Singh in History and Public Memory,' at an International Seminar on 1857 – Veer Kunwar Singh: History versus Memory at BHU, Varanasi, February 2011.

**Mr. Saurabh:** Presented paper in the Seminar on 'India South Korea Economic Partnership' in the two days International Seminar on 'India Korea Relations Towards Progress' organized at India International Center on the 25<sup>th</sup> and 26<sup>th</sup> February 2011.

**Tiwari, D.S.** Participated in the 70<sup>th</sup> Session of the Indian History Congress held at Delhi University, Delhi, 15-17 May 2010.

Presented 'Alankaradhvani in the Dramas of Bhavabhuti', at the 45<sup>th</sup> All India Conference held at Rashtriya Sankshrit Vidyapeetha, Triupati, 2-4 June 2010.

Presented 'Impact of Architectural Science on Environment and its Maintenance', at an International Seminar on Vastu Shastra and Allied Sciences, held at Mavalankar Auditorium, New Delhi, 23-25 July, 2010.

**Tyagi, J.** Presented a paper titled '*Sufi Sahitya main Saundryanubhuti*' in an International Conference organized by the Hindi Department, Aligarh Muslim University on *Sufi Sahitya: Aitehasik Paripekshya*.

**Verma, M.** Participated in National Workshop on 22<sup>nd</sup> October, 2010 *Hindi Sahitya: Naye Vimarshon ka Yatharth* and also two-day National Workshop on Global Media Aur Hindi Patrakarita in PGDAV College, University of Delhi, 23-24 February 2011.

Participated in two-day National Workshop on *Agyeya Aivem Nagarjun ka Sahitya: Vividh Aayam*, 9-10<sup>th</sup> March, 2011 in Hansraj College, University of Delhi, 9-10 March 2011.

Participated in National Workshop on 'Media: Naye Aayam' in GTB Khalsa College, University of Delhi on 11-12 March 2011.

Participated in National Workshop in Shyam Lal College, Delhi University on 'Media and the New World Order' on 4-5 February 2011.

## SRI GURU GOBIND SINGH COLLEGE OF COMMERCE

### Library Development

Total Budget	:	₹ 6,36,195.00
Books added	:	1819
Journals subscribed	:	40

### Seminars/Conferences attended

**Mr. Om Parkash:** Presented a paper titled, 'Comparison of Modern Education System and Gandhian Philosophy', at the International Conference on Hind Swaraj organized by the Department of Economics, Banaras Hindu University, Varanasi in 2010.

**Dr. Kawai Gill:** Participated in the Indo-European Conference on Quality Assurance in Higher Education, held at University of Delhi, 6-7 May 2010.

**Dr. Rekha Sharma:** Attended a UGC workshop on, 'Capacity Building of Women Managers in Higher Education', organized by Sri Guru Nanak Dev Khalsa College, University of Delhi, 27-31 December 2010.

## **Publications**

### *Books*

**Chaturvedi, D.D. and Gupta, S.L. 2011.** *Business Economics: Theory and Application*. International Book House, New Delhi.

### *Research Articles*

**Debroy, D. 2010.** 'Rabindranath o Mahabharata' (Rabindranath Tagore and the Mahabharata). *Hindol*. 2.1: 40-5.

**2010.** 'Rabindranath o Ramayana' (Rabindranath Tagore and the Ramayana). *Hindol*. 2.2 : 57-64.

**2010.** 'Rabindranath Swadeshchintan' (Tagore's Thoughts on Nationalism). *Hindol*. 2.4 : 26-32.

**Dodrajka, S. 2009-10.** 'TQM - Based Global Quality Award Models: An Appraisal'. *Apeejay Business Review*. 10 : 65-70.

**Gill, K. 2010-11.** 'Internationalization of Chinese Multinationals'. *Journal of Business Thought*. 1: 52-65.

**Kaur, H. 2010-11.** 'Reservations in Private Sector'. *Business Horizon: A Journal of Commerce and Economics*. 1 : 89-105.

**Kaur, P. 2010.** 'Determinants of Acquisition: Evidence for India'. *The Indian Economic Journal* (Journal of the Indian Economic Association). 58 : 67-86.

**Parkash, O. 2011.** 'Direct Tax Reforms in India: a Comparative Study of Pre and Post Liberalization Periods'. *ICFAI Journal of Public Finance*. 9 : 54-76.

**Singh, G. 2010.** 'Use of E-resources in College Libraries of Delhi'. *Library Herald*. 48 : 363-75.

## **SWAMI SHRADDHANAND COLLEGE**

### **Seminars/Conferences attended**

**Dr. P.V. Khatri, Dr. Renu Sobti, Dr. L. R. Paliwal, Dr. Mohar Singh, Dr. D. R. Jalwani, Dr. M. P. Singh, Shri Samir and Shri Rakesh Chawla:** Participated in one-day Conference on 'Paradigm Shift from Accounting Standards to Financial Reporting Standards' organised by Shri Ram College of Commerce, Delhi University on 28 November 2010. The above teachers and Dr. J.S. Kadyan also participated in a two-day National Conference on 'Issues in International Trade During Globalisation Era' organised by Shri Ram College of Commerce, Delhi University on 19-20 November 2010.



**Dr. R.N. Garg, Shri O.P. Singhal, Dr. R.K. Joshi, Dr. D.R. Jalwani, Dr. Mohar Singh, Dr. L.R. Paliwal, Dr. Manmohan, Shri N.K. Oberoi, Shri G.R. Luthra and Dr. K.S. Jorasia:** Participated in a National Seminar on 'Indian Financial Sector: Thrust and Challenges' organised by Department of Financial Studies, Delhi University (South Campus) and IAA.

**Dr. R.N. Garg, Shri O.P. Singhal, Shri M.L. Bansal, Dr. R.K. Joshi, Dr. D.R. Jalwani, Dr. Mohar Singh, Dr. L.R. Paliwal, Dr. Manmohan, Shri N.K. Oberoi, Dr. P.V. Khatri, Sh. G.R. Luthra, Dr. M.P. Singh, Shri Himanshu Srivastava and Shri Rakesh Chawla, Ms. Aradhana Chaddha, Dr. J.S. Kadyan, Dr. K.S. Jorasia and Shri Samir:** Participated in a two-day UGC-sponsored National Seminar on 'Financial Sector Reforms in India' organised by Shaheed Bhagat Singh College, Delhi University, 21-22 January, 2011.

**Dr. Saudamini Das:** 13th International Conference of the International Association of the Study of the Commons (IASC) at Hyderabad in January 2011.

International Conference on 'Environment and Development' of South Asian Network. for Development and Environmental Economics at Kathmandu, Nepal, in December 2010.

**Dr. J.S. Kadyan:** Presented a paper on 'Indian Rural Entrepreneurship-Problems and Prospects' at a National Conference on Rural Business Management. Institute of Advanced Studies, in 2nd International Conference on Competition Law held at India Habitat Centre.

Congress on Environmental and Resource Economics 2010, University of Quebec, Montreal, Canada in July 2010.

**Dr. S.K. Srivastava:** Attended a National Seminar on 'Role of transgenics in Shaping Indian Agriculture' at IARI on 23 July 2010.

Attended an International Conference on 'Whitefly and Thrips transmitted viruses', organised by the Genetics and Plant Molecular Biology Departments held at University of Delhi, South Campus, 27-28 August 2010.

Attended a DBT sponsored talk by Prof. Venkat Ramakrishnan, Cambridge University, U.K., Nobel Laureate in Chemistry, 2009 at FICCI Auditorium, New Delhi, 31 Dec. 2010.

**Dr. A. Archana:** Attended a National Conference on 'Medical Biotechnology: Vision 2020' at Maharshi Dayanand University, Rohtak, 16-18 April 2010.

**Dr. Anjana Kapoor and Dr. A. Archana:** Attended a Colloquium on Biotechnology at Deen Bandhu Chhotu Ram University of Science and Technology, Haryana, 19 Nov. 2010.

**Dr. Anjana Kapoor:** Attended the launch of a food intolerance kit named Food Detectives by Thermo Fischer in February 2011.

**Dr. Mukesh Kumar Rana:** A National workshop on Computational Science was held at Swami Shraddhanand College, 1-7 July 2010.

## SHRI RAM COLLEGE OF COMMERCE

### Special Grant / Assistance/ Project

Awarded to the College: From UGC

₹ 1.5 lac for organizing national Conference from UGC.

- From University of Delhi

₹ 8.6 lac for salary to teachers appointed under OBC expansion.

₹ 2.25 lac for salary to System Administrator.

Awarded to the Individual Teachers: From UGC

₹ 1,07,625/- to Mr. Abhay Jain towards travel grant for presenting papers in the International Conference.

₹ 79,857/- to Dr. Gopalji towards travel grant for presenting papers in the International conference.

### Library Development

Total Budget	:	₹ 28,00,000.00
Books Added	:	2,000
Journals Subscribed	:	80

### Seminar/Conference held

'Issues in International Trade during Globalization Era' on 19-20 November 2010.

### Seminars/Conferences attended

**Ms. Astha Dewan:** The paper on 'Ethics and Governance' was presented at the International Conference on '*Science, Spirituality and Humanity: Transcending Discipline Barriers*', organized by Shivaji College, University of Delhi, 17-19 February 2011.

The paper on 'Scope of Technology in Higher Education in India: A Study' was presented at the International Conference on 'Technology for Education', organized by Indian Institute of Technology Bombay (IIT), Mumbai, June 30-July 3, 2010.

Presented paper on 'The Interrelationships between Exports and Output of MSMEs: Tests of Granger Causality' at the National Conference on 'Issues in International Trade during Globalization Era', at Shri Ram College of Commerce on 19-20 November 2010.

**Dr. Gauri Shankar:** Participated in International Congress on Productivity, Quality, Reliability, Optimization and Modelling: A Journey Towards Excellence, jointly organized by ISI, QCI, and DRDO at IHC, New Delhi, 7-8 February 2011.

Participated in International Workshop on Six Sigma, Lean Philosophy and Taguchi Methods organized by ISI, New Delhi, 4-5 February 2011.

**Dr. Mallika Kumar:** Presented a paper titled, '*Fast tracking Financial Inclusion through Innovative Cooperative Models*', at the International Cooperative Alliance - AP Research Conference at Beijing International Convention Centre in China, September 2010.

**Ms. Astha Dewan:** The paper on 'Self Help Group-Bank Linkage Model and Financial Inclusion' was presented at the National Seminar on 'Financial Sector Reforms in India: The Road Ahead', organized by Shaheed Bhagat Singh College, University of Delhi, 21-22 January 2011. Prof. T.S. Grewal Award for Best Paper was given to it.

**Ms. Kinneri Jain:** Paper presentation on 'WTO- Dispute Settlement Mechanism and Developing Countries' at the National Seminar in SRCC.

**Mr. Harendra Nath Tiwari:** Attended a National Seminar organized by Shaheed Bhagat Singh College, University of Delhi on 'Financial Sector Reforms: The Road Ahead'.

### **Publications**

**Deepashree, 2010.** Indian Economy, Mayoor Paperbacks.

**2010.** Managerial Economics, Ane Books Pvt. Ltd.

**2010.** Business Economics, Ane Books Pvt. Ltd.

**Tiwari, H.N.** Prepared study material on accounting education for PAN Africa project of Government of India.

Prepared e-quizzes on Financial Accounting for B.Com.(Hons.) Ist Year for ILLL, University of Delhi.

## **SHYAM LAL COLLEGE**

### **Library Development**

Total budget	:	₹ 2,99,746.96
Books added	:	677
Journals subscribed	:	33

### **Honours/Distinctions**

**Dr. M.K. Razdan:** Fellow of Society of Cytologists and Geneticists.

### **Seminars/Conferences attended**

**Mr. Satish Chandra:** Participated in an International Conference on 'Global Economic Downturn: Lessons and ways Ahead' and another Seminar on 'Facilitating Trade and Global Competitiveness' both organized by ICRIER.

**Dr. Ashu Gupta:** Attended an International Workshop on Water Sustainability organized by the Department of Chemistry, University of Delhi at Hotel Oberoi Maidens, New Delhi, 18-19 January 2011.

**Mr. Pawan K. Adewa, Mrs. Mukta Rohatgi and Ms. Kavita Arora:** Participated in a National Seminar on 'Globalization & Indian Economy' organized by the Department of Business Economics, Sri Guru Tegh Bahadur Khalsa College, University of Delhi, 9-10 March 2011.

**Mrs. Supriti Mishra and Mrs. Jyoti Chaudhary:** Participated in a National Conference on 'Issues in International Trade during Globalisation' organised by Shri Ram College of Commerce on 19-20 November 2010.

Participated in a National Seminar on 'Financial Sector Reforms in India: the Road Ahead' organised by Shaheed Bhagat Singh College on 21-22 January 2011.

Participated in a National Seminar on 'E-Waste Management and Recycling in India: Issues and Challenges' organised by Deptt. of Economics, JMI, Aligarh, 17-18 March 2011.

**Sh. V.S. Jaggi:** Attended a National Seminar titled '*Role of Physical Education & Sports in Nation Building*' held at IGIPSS College, Vikas Puri on 18 March 2011.

**Dr. Anil Thakur:** Attended a National Seminar on 'Media and the New World Order' organized by Shyam Lal College (E) on 4-5 February 2011.

## **SHYAM LAL COLLEGE (EVENING)**

### **Special Grants /Assistance /Projects**

Awarded to the College:

₹ 1,25,000/- (for organizing two-day National Seminar)

Awarded to Individual Teachers:

₹ 1,36,190/- (Travel Grant to Dr. V. K. Tyagi of Mathematics for attending International Seminar).

### **Library Development**

Total Budget : ₹ 4,25,000/-

Books added : 1,057

Journals subscribed to : 22

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

**Dr. Sunil Kumar:** Selected by Commonwealth Academic Staff Fellowship at the University of Oxford, England to pursue a project 'Indian Diaspora in British Politics' for a period of six months.

**Sh. Nehkholen Haokip:** Selected for Faculty Training Programme to pursue Master's in Economics and Financial Economics from Nottingham University, UK.

### **Seminars/Conferences held**

The college organized its 8th National Seminar on 'Media and the New World Order' on 4-5 February at Conference Centre, University of Delhi.

### **Seminars/Conferences attended**

**Dr. G. P. Agarwal:** Presented a paper on 'Canada's International Trade with India: Recent Trends and Perspectives' in the International Conference on 'India-Canada Trade and FDI Bilateral Flows: Performance, Prospects and Proactive Strategies' organized by Centre for Canadian Studies, M.S. University, Baroda.

**Dr. Ramesh Mishra:** Presented paper on 'Climate Change and Health: Comparative Study of India & Canada' in the International Seminar organized by CSDP and Department of Political Science BHU on Health Care in India & Canada; on 'Maoist Resurgence and Gandhian approach: A perspective in the International Seminar organized by VMOU Kota on Mahatma Gandhi and Non-violence: Towards a Better World; on 'Mapping Indo-Canadian party system' in the International Seminar organized by CSDP and Department of Political Science BHU on democracy and governance in India and Canada.

**Dr. V.K. Tyagi:** Presented a paper on '(b1,b2) Optimal Byte Correcting Codes' at 12th International Workshop on 'Algebraic and Combinatorial Coding theory (ACCT 2010)' held at Novosibirsk, Russia.

Invited for a talk at the 14th International Workshop on Multimedia Signal Processing and Transmission (MSPT 2010) by Chonbuk National University, Korea.

**Dr. Ashok Kumar Yadav:** Presented a paper in the National Seminar on 'Transport Infrastructure Development in India' organized by Department of Applied Economics, Lucknow University.

**Sh. Ashwani Jassal:** Presented a paper on 'Naxalism a Major challenge to Indian Democracy' in the National Seminar organized by Moti Lal Nehru College, Delhi.

**Ms. Ila Bhushan:** Presented a paper on, 'United Nations and Empowerment of Women' at the National Conference on 'Empowerment of Women in India' organized by Lajpat Rai Post Graduate College, Sahibabad, UP.

**Dr. Preeti Shukla:** Presented a paper on 'Social Networking Sites and Media' in the National Seminar on 'Media and the New World Order' organized by Shyam Lal College (Eve.) on 4-5 February 2011.

**Dr. Ramesh Mishra:** Presented paper on, 'Ambedkar, Constitution & Women Empowerment in India', in the National Seminar organized by D.D. (PG) Women's College, Ferozabad, UP.; on 'Climate Change & Human Rights' with Mr. B.K. Tiwary in the National Seminar organized by Jamia Hamdard, Delhi; on 'Gandhian Perspectives on Clash of Civilization and Culture' in the National Seminar organized by GRI & Dept. of Gandhian Thought & Peace Science, Madurai, Tamilnadu.

**Sh. Ritesh Bhardwaj:** Presented a paper 'Naxalism an Internal Threat to Indian Security' in the National Seminar organized by Moti Lal Nehru College.

**Dr. Sunita Saxena:** Presented a paper on 'Dalit Stri Vimarsh: Dastak Nayi Subah Ki' in the National Seminar, organized by P.G.D.A.V. (Eve.) College.

**Ms. Bharti:** Participated in the National Seminar on 'Differential Equations and Mathematical Modelling' organized by Department of Mathematics, Lady Shri Ram College for Women, University of Delhi, Delhi.

**Ms. Gauri Saxena:** Attended an International Seminar on 'Postfeminist Postmortems? Gender Sexuality and Multiple Modernities' organized by the Department of English, University of Delhi.

**Sh. Manu Umes, Dr. Shailendra Mohan Singh and Dr. Suresh Kumar:** Attended a National Seminar on 'Financial Sector Reforms in India – The Road Ahead' organized by Shaheed Bhagat Singh College.

**Dr. R.K. Malik:** Attended Seminar on 'Changing Scenario in Financial Markets' organized by Department of Financial Studies and a National Conference on 'Issues in International Trade during Globalisation Era' organized by Shri Ram College of Commerce.

**Dr. R.C. Bhatia** Attended a National Workshop on 'Self Instructional Learning Material Development' organized by Uttarakhand Open University, Nainital.

**Dr. Suresh Kumar:** Attended one day Seminar on 'Changing Scenario in Financial Markets' organized by Department of Financial Studies.

Attended National Seminar on 'Impact of proposed tax Reforms in India' organized by Department of Commerce, Lucknow University, Lucknow.

### **Publications**

**Jain, R.2011.** '*Housing Finance in India – Turning Dreams into Reality*', Delhi: A.K. Publications.

**Agarwal, G.P., Ohri, V.K., Tripathi, A.P. and Shukla, P.2011.** '*Global Economic Challenges: Implications for India*, (1<sup>st</sup> Edition). Delhi: Wisdom Publications.

**Bharti.2011.** 'Energy Variability and Chaos in Ueda Oscillator', *Science and Technology*, Issue 23, pp. 1-10.

**Verma, D, 2010.** 'Reshami Rumaal: Aadhi Zameen Ki Antar Katha', *Rang Prasang*, Jan-March 2010.

**Kumar, R.2010.** 'Mapping Gandhi's Hind Swaraj in Shah and Joshi (eds 2010)', *Hind Swaraj: 100 Years of Gandhian vision*, Haldwani, Ankit.

## SHYAMA PRASAD MUKHERJEE COLLEGE FOR WOMEN

### Major Activities

The College topical and important events were organized under the aegis of the Women Development Cell, Ecology Club and Gandhi Study Circle. UGC established the following Studies Centres in this College.

(i) Buddhist Studies Centre, (ii) Guru Nanak Studies Centre, (iii) Gandhi Studies Centre

### Student Academic Distinction

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Ruchi Gupta	Maths (Hons.)	III

### Library Development

Total Budget	:	₹ 7,92,500.00
Books added	:	1806
Journals subscribed	:	90

### Special Grants/Assistance/Projects

Awarded to College:

Gandhian Studies Centre	:	₹ 3.75 lac
Buddhist Studies Centre	:	₹ 6.75 lac
Guru Nanak Studies Centre	:	₹ 3.75 lac
Construction of Sythtic Basket ball & Tennis Court of Intl. Std.	:	₹ 19.81 lac

### Appointments of Faculty members to higher Posts/Assignments

**Dr. S.K. Jolly:** Member of Ethical Committee by Central Government of India; Member of Education Advisory Committee Minority Commission, Delhi Administration; Appointed Chairman, Kendriya Vidyalaya by the Kendriya Vidyalaya Sangathan.

**Dr. Nita Kumar:** Appointed Fellow in the ILLL (South Campus) for one year.

**Dr. Shobha Bagai:** Member of the Expert Group to formulate undergraduate programme Mathematics syllabus, Ambedkar University, Delhi; Mentor for one month long summer internship programme-inviting all young minds organized by mathematical science foundation;

**Ms. Manjeet Madan:** Presentation Officer during the 19<sup>th</sup> Commonwealth Games held at New Delhi.

### Honours/Distinctions

**Dr. S.K. Jolly:** Awarded Dr. S. Radhakrishnan Smriti Rashtriya Shikshak Award 2010 in recognition of services rendered in the field of education culture and social service by Akhil Bhartiya Swatantra Patrakar Avam Lekhak Sangh, Delhi.



Awarded by Punjabi Academy Delhi State cash prize and other honour by declaring her book '*Punjab da itihās te sikh virsa*' as Best Book of the year.

Bhartiya Tri-Ratna Award given by Samta Budh Vihar Prabhandak Sangh.

### **Seminars/Conferences attended**

**Dr. S.K. Jolly:** Presented a paper on 'Mysticism in World Religions' at the International Conference, Jamia Milia Islamia University, New Delhi.

Presented a paper titled 'Divisiveness in Indian Society in the Changing Global World' at the International Seminar held by ICLES, College of Arts, Science and Commerce, Mumbai.

Presented a paper on 'Marvels in Architecture: Golden Temple, Amritsar' at the International Conference held at Mumbai by the ICLES, College of Arts, Science and Commerce, Mumbai.

Presented a paper on 'Rise of Amritsar as an important Urban Centre in Medieval India' in International Conference organized by Lucknow University.

Presented a paper on '*Nirgun Bhakti Kavya Guru Nanak va kabirvani me tark aaj ke sandarbha mein*' at National Conference organized by Khalsa College, Amritsar.

**Dr. Manjeet Kaur Awasthi:** Presented a paper on 'Discrimination against the Girl Child in India' in International Conference organized by the Patiala University.

**Ms. Jyotsana:** Presented a paper on 'Social Security Provisions in India for unorganized sector's labour' at the International Seminar organized by Venkateshwar College.

**Dr. Vandana Kaushik:** Presented a paper on 'Hyderabad : A City of Cultural Synthesis' at International Seminar organized by ICLES College of Arts, Science and Commerce, Mumbai.

Presented a paper on 'Delhi in thirteenth century as described in contemporary sources' during the Annual Conference of History and Culture Society.

### **Publications**

**Jhamb, A.** Wrote an article on 'Gandhi and King on Non-violent resistance' in the book of 'Relevance of Gandhi in 21st Century'.

**Ara, Z.** Published a book on 'Citizenship and Globalization'.

**Mathur, S.** Composed the Composition of Rare Ragas (II Volume).

## **SRI AUROBINDO COLLEGE**

### **Special Grants/Assistance/Projects**

Dr. Amit Jha = ₹ 146800/- for project

Dr. Vipin Kuma Malhotra = ₹ 18000/- for assistance

XI Plan Merge Scheme = ₹ 2000000/- OBC Grant - For Lib. Books- ₹ 500000/- Post of System & Network Administrator = ₹ 2,25000/-

### **Library development**

Total Budget	:	₹ 410000/- (Recurring) ₹ 80000/- = XIIth Plan Total ₹ 490000/-
Books added	:	804
Journals subscribed to	:	14

### **Seminars/ Conferences attended**

**Dr. Sanjay Tyagi:** Presented a paper on 'Nano Technology' a International Seminar in Ottawa University, Canada. Mrs. Madhubala organized a workshop on 'Career Opportunities in Banking and Insurance Sector'.

**Dr. Hari Om:** Attended a Seminar on E-waste Management and recycling in India-issues and Challenges.

### **Publications**

**Rajput, N.** Published a book '*Advertising and Personal Selling*'.

**Bhatt, G.D.** Published a book '*Panchayati Raj and Women's Leadership*'.

### **SRI AUROBINDO COLLEGE (EVENING)**

Total Budget	:	₹ 2,09,095.00
Books added	:	399
Journals subscribed	:	04

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

**Dr. (Mrs.) Sumati Varma:** Consultant for the 'American Studies in Indian Universities' at the American Embassy at New Delhi.

### **Seminars/Conferences attended**

**Dr. Sumati Varma:** Presented a paper on 'Strategic Alliances in Changing Global Order - A Study in Pharmaceutical Industry' for the International Conference on Strategy and Organization, IMT Ghaziabad.

Presented paper on International Entrepreneurship - an Indian case study for the 2nd Copenhagen Conference on Emerging Multinational Outward Investment from Emerging and Developing Economics at Copenhagen Business School, Denmark.

Presented paper 'Community Radio in Gurgaon - An Entrepreneurial Venture Towards Creating in Inclusive City' for the 10<sup>th</sup> International Entrepreneurship Forum.

**Dr. Archana Agrawal and Dr. Vibha Batra and Dr. Rakesh Kumar Batra:** Participated in UGC National Seminar on 'Financial Sector Reforms in India - The Road Ahead', in January 2011.

**Dr. Anil Kumar Singh:** Presented paper 'Impact of the HRM Practices and Organization Culture on Managerial Effectiveness in Public Sector Organization in India' at 12<sup>th</sup> international Scientific Conference on Global Economy: Challenges and Perspectives at Nitra, Slovak Republic in May 2010.

**Dr. Vijaya Laxmi Singh:** Presented a paper at the Indian History Congress on 'Divinity and Femininity in Devi Mahatmya' in May 2010.

**Ms. Anisha Srivastava:** Presented a paper at the Indian History Congress on 'A Study of Historical Reality Through Fiction', Delhi in May 2010.

**Dr. Vivek Chaudhary:** Presented a paper on 'Coping Job Stress' at National Seminar organized by Marathwada University, Nanded.

### **Publications**

**Varma, S.2010.** Capital Mobility and growth in the Developing World: an Empirical investigation, Studies in Business and Economics, Vol. 15, No. 2, Qatar University.

International Venturing by Indian IT Firms – A Motive Analysis, Journal of Emerging Knowledge in Emerging Markets, Vol. 1(1), Indian China Institute, USA.

'The Global Start Ups from Indian IT – A Case Study', *Journal of Advanced Research in Management*, Vol. 1, Summer 2010, Issue 1(1), ISSN 2068-7532.

Published a Chapter in Book entitled 'Changes in Strategic Orientation – A Study of the Indian Pharmaceutical Industry in Thakur, R. and Singh, S.K. (Ed.) 'How of Strategy', Macmillan 2010, ISSN No. 978-0230-33062-7.

Published a Chapter 'Emergence of the Born Global Entrepreneur – An Indian Case Study, in 'Towards the Next Orbit – A Corporate Odyssey'. (Ed.) Verma, S. Response Books, Sage International ISBN: 978-81-0631-9 (HB).

**Singh, A.K. 2010.** Published papers 'A Study of HRM practices and Organisation Culture in selected private sector organizations in India'. *Acta Oeconomica Economica Pragensia* 18, No. 4, ISSN 0572-3043.

'Global Integration Global Meltdownj: A Paradigm Shift' (eds) Aggarwal, G.P. 'Global Economic Challenges: Implications for India', Delhi: Wisdom Publications, ISSN: 9788189547851.

**2010.** 'Impact of the HRM practices and organization culture on managerial effectiveness in Public Sector Organizations in India' *Agric. Econ. Czech* 56, ISSN 0139-570 X.

**Kumar, B.S. 2010.** Presented a paper entitled 'Politics of Agrarian Legislations in Decolonized Orissa, 1947-67', *Indian History Congress*, New Delhi. The summary of the paper has been published in the recent publications of Indian History Congress Proceedings.

**Gill, M.** Book Review of Ms. Mini Gill was published in an internal Journal 'Sabd'. \*

## ST. STEPHEN'S COLLEGE

### Major Activities

Education in St. Stephen's College has always been marked by an unapologetic emphasis on character-building and value-formation, the deepening of relationships among all constituents of College, and fostering national consciousness and the spirit of public service. This legacy continued to be fostered within the understanding that every great tradition needs to be safeguarded, renewed and re-articulated within an ever-changing milieu.

3<sup>rd</sup> Annual Vinod Chowdhury Memorial Debate

### Special Grants/Assistance/Projects

Awarded to College : XI Plan (from UGC)

Merged Scheme	:	₹ 25,85,000/-
Renovation of Principal House	:	₹ 3,80,500/-
Hostel Boundary wall	:	₹ 3,42,000/ -

Science Laboratory renovation ₹ 2,50,00,000/- (from Delhi University) Lib. Books of undergraduate Courses for New semester system ₹ 5,00,000/- (from Delhi University)

### Library Development

Total Budget	:	₹ 15,09,000.00
Books added	:	1458
Journals subscribed	:	20

### Honours/Distinctions

**Dr. Karen Gabriel:** Awarded the European Union's *Marie Curie International Incoming Fellowship* (IIF).

Visiting Scholar for the Lecture Series of the *Nordic Academic Tour* at Nordic Institute of Asian Studies (NIAS), 2011.

Visiting Scholar, Department of Film and Department of Women's Studies, College of William and Mary, Virginia, USA.

**Dr. Neelam Saxena:** Assigned as Visiting Professor of Hindi to the ICCR's Long Term Chair at JNCC, Moscow.

**Dr. Vijay Tankha:** Awarded Fellowship of the Indian Council of Philosophical Research.

**Dr. Rohit Wanchoo:** Awarded Nehru Memorial Museum Library Fellowship.

**Prof. C.N.R. Rao,** Scientific Adviser to the 'Prime Minister and founder, Jawahar Lal Nehru Centre for Advanced Scientific Research' Bangalore on "Chemistry -Glorious Past and Exciting Future". Inaugurated the celebrations for the International year of Chemistry in College.

### Seminars/Conferences attended

**Dr. S.V. Eswaran:** Delivered oral talk Analytical and Bioanalytical Techniques International Conference and Exhibition-Pharmaceutical R&D Summit, Hyderabad, Nov. 2010.

**Dr. Karen Gabriel** “Media, Democracy and Development” *National Seminar on Development --Maladies and Remedies*, India International Centre (IIC) and Speakers Hall, Constitutional Club, Rafi Marg, New Delhi, 18-19 October 2010. (Invited)

**Dr. Giti Chandra:** Music and War, at a National Conference in Sri Venkateswara College. “The Silence of the Sixties” in an International Conference in JNU.

### Publications

**Eswaran, S.V.** Published two research papers entitled “Improved device performance based on crosslinking of Poly (3-hexylthiophene)” and “Soluble Fullerenes for Photovoltaics” in the journal “Synthetic Metals”. He was granted an Indian patent on “High Ortho: Novolac Copolymers and Composition Thereof”.

**Gabriel, K. 2010.** *Melodrama and the Nation* New Delhi: Kali/Women Unlimited.

“Bombay Cinema in the Age of Globalisation and Convergence”, in *Representation and Media: Globalisation and After*, (eds) Bandhopandhyay, P.K.et. al., London: Antler 2012.

‘The Country in the City: The By-lanes of Identity’, *South Asian Journal*, Special Issue on Cinema in South Asia, Volume 29, July-September 2010.

**Chandra, G. 2010.** Published a well-received novel titled ‘The Fang of Summoning’ in September 2010.

**Kumar, S.** Department of Chemistry, published research papers on Calix (4) arenes. He also contributed a chapter to a book on Chemical Sensors.

**Ahmed,S.** Assistant Professor of Urdu & Persian translated a text book “Exploring Craft Traditions of India for class XI & XII from English to Urdu for NCERT. He presented a paper on “Ar-Raheeq-UI-Makhtoom” in an International seminar in Shibli College, Azamgarh.

**Thampu, V.** Translation of the Malayalam novel, *Othappu*, (Oxford University Press 2010), awarded the Crossword National Award for the best translation of the year from any language into English in November 2010.

## SCHOOL OF REHABILITATION SCIENCES

### Library Development

Total Budget	:	₹ 1,00,000.00
Books added	:	2,900
Journals subscribed	:	14

## SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN

### Major Activities

This year 30 students of the College were placed into reputed companies like Wipro Ways, iGate, Patni Computers, Capital IQ, TCS etc.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms.Swati Aggarwal	B.A.Sc.(H) Electronics	I
Ms. Kriti Verma	B.A.Sc.(H) Electronics	II
Ms.Chetali Gupta	B.A.Sc.(H) Instrumentation	I
Ms.Shubhangi Sood	B.A.Sc.(H) Instrumentation	II
Ms.Tanu Bhardwaj	B.A.Sc.(H) Instrumentation	III
Ms.Neelam Rawat	B.A.Sc.(H) Food Technology	I
Ms.Bindvi Arora	B.A.Sc.(H) Food Technology	II
Ms.Parul Tomar	B.Sc.(H) Biomedical	I
Ms.Sakshi Malik	B.Sc.(H) Biomedical	II

### Special Grants/Assistance/Projects

*Awarded to the College*

Department of Food Technology has started a project with Paharpur Packaging industries (ISO Certified) wherein students conduct complete assessment of sanitation every six months using 'Swab Techniques' and submit the report. This has enabled them to fulfill basic requirements of 'Food Safety Norms' under ISO.

### Library Development

Total Budget	Books	:	₹ 5,00,000/-
Journals		:	₹ 1,00,000/-
Non-recurring		:	₹ 1,10,000/-
Books added		:	1,371
Journals subscribed to		:	13

### Publications

*Research papers*

**Sodhi, G.S. and Kaur, J. 2010.** 'A novel method for detection of fingerprints on articles collected from arson sites'. *CBI Bulletin*, 18: 34-36.

**Sodhi, G.S. and Kaur, J. 2010.** Fluorescent small particle reagent. Part I: A novel composition for detecting latent fingerprints on wet non-porous items. *Fingerprint Whorld* 36: 150-153.

**Sodhi, G.S., Nigam, D., Monica, Ritu, Kaur, S and Kaur, J. 2010.** Fluorescent small particle reagent. Part II: Detection of latent fingerprints on compact disks. *Fingerprint Whorld* 36: 154-157.

**Sodhi, G.S. and Kaur, J. 2010.** Fixing constituents of sweat for detecting latent fingerprints at difficult crime scenes in International Conference on Biomedical Engineering and Assistive Technologies, at National Institute of Technology, Jalandhar, 17-19 December.

#### *Patent*

**Sodhi, G.S. and Kaur, J. 2010.** A spray formulation for detecting latent fingerprints on moist, non-porous surfaces and a method of preparation of the same. Indian Patent Filed on 28 July.

Bedi, P. and Chawla, S. 2010. High Scent Web Page Recommendation using Fuzzy Rough Set Attribute Reduction, LNCS Transactions on Rough Sets XIV. Berlin Heidelberg: Springer-Verlag.

**2010.** Agent based Information Retrieval System using Information Scent, *Journal of Artificial Intelligence, Asian Network for Scientific Information*, 1-19.

**Vatsa, A. and Bedi, P., 2010.** 'MPG-TAR: Mobile Process Groups Based Trust Aware Routing Protocol for MANETs,' International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom)', Kerala, pp.131-135.

**Kapoor, A., Sharma, E.K.** Wolfgang Freude and Juerg Leuthold. Saturation Characteristics of InGaAsP-InP bulk SOA, *Proc. of SPIE* 7597 (2010), 75971I, 2010.doi:10.1117/12.842350.

**Wolfgang Freude, Rene Bonk, Thomas Vallaitis, Andrej Marculescu, Amita Kapoor, E.K. Sharma.** Christian Meuer, Dieter Bimberg, Romain Brenot, Francois Lelarge, Guang-hua Duan, and Juerg Leuthold, Linear and nonlinear semiconductor optical amplifiers, *ICTON*, doi: 10.1109/ICTON.2010.5549097.

**Saxena, P. 2011.** 'Measuring Efficiencies in Indian Public Road Transit: A Data Envelopment Analysis Approach', *Opsearch*, Vol.47, Issue 3 :195-204.

## SCHOOL OF OPEN LEARNING

### Library Development

Total Budget	:	₹ 53 Lac
Books added	:	13,428
Journals subscribed to	:	98 Nos.

### Seminars/Conferences attended

**Prof. H.C. Pokhriyal:** Participated in Asia Pacific Quality Network (APQN) Conference and Quality Assurance in Dual Mode University at Bengaluru hosted by National Assessment and Accreditation COL.



**Dr. U.S.Pandey:** Participated Webinar on 'Mobile Learning – Easy, Effective, Affordable' organized by Emantras on 6 April 2010.

Seminar on 'Data Resilience' organized by Hitachi Data Systems and at Intercontinental Eros, New Delhi, Brocade, 28 May 2010.

'eIndia2010' Conference at Hyderabad International Convocation Centre, Hyderabad, 4-6 August 2010.

Seminar on 'Changing Headwinds in Global Financial Landscape', organized by Department of Financial Studies, University of Delhi, Hotel Imperial, New Delhi, 18 September 2010.

5th National Conference on 'Computing For Nation Development' at INDIACom-2011 at BVICAM, New Delhi, 10-11 March 2011.

## **Publications**

### *Books*

**Pandey, U.S. 2011.** *Introduction to Computers and Information System & Computer Applications in Business*, New Delhi: Shiksha Publications.

### *Research articles*

**Pandey U.S. and Raina, V.K.** 'Research objectives and overview of Wireless Technologies in Payment System', at International Conference on Reliability, Infocom Technology and Optimization at Lingaya's University, Faridabad, Haryana, 1-3 November 2010.

'Biometric and ID Based User Authentication Mechanism Using Smart Cards for Multi-Server Environment' at INDIACom-2011, 5<sup>th</sup> National Conference on 'Computing for Nation Development' at BVICAM, New Delhi, 10-11 March 2011.

**Pandey, U.S. and Kavita.** 'Multimedia and Digital Video--A Review', at International Conference on Reliability, Infocom Technology and Optimization at Lingaya's University, Faridabad, Haryana, 1-3 November 2010.

'Mobile Computing and Wireless Network' at INDIACom-2011, 5<sup>th</sup> National Conference on 'Computing for Nation Development' at BVICAM, New Delhi, 10-11 March 2011.

**Pandey, U.S. and Geetanjali.** 'Biometric Security Mechanism in Mobile Payments' at INDIACom-2011, 5<sup>th</sup> National Conference on 'Computing for Nation Development', at BVICAM, New Delhi, 10-11 March 2011.

**Pandey, U.S. and Shukla, S.** 'Security issues of e-commerce applications: SQL injection vulnerabilities, threats & solutions'. *Indian Journal of Mathematical & Computer Sciences*, Vol.I, 2011, pp. 1-16.

**Singh, K., Pandey, U.S. and Gupta, P.** Technological Innovation in Indian Banking Sector – Use of IT Products, *International Journal of Management and Strategy* <http://www.myresearchpie.com/> (IJMS) 2011, Vol. No.II, Issue II, January-June 2011.

## SHIVAJI COLLEGE

### Library development

Total Budget	:	Recurring Grant ₹ 20,00,000/- Semester Grant ₹ 5,00,000/-
Books added	:	2,814
Journals subscribed to	:	51

### Honours/ Distinctions

**Dr. Amarjiva Lochan:** Appointed Editor of the '*India Calling*' an International research based Newsletter in circulation at the universities and research institutes in South and Southeast Asia, April 2010.

Assigned the job as one of the editors on the 'Inscriptions of Southeast Asia' project by the K.J. Somaiya Centre for Buddhist Studies under University of Mumbai and the RS Sansthan, Govt. of India, April, 2010.

Executive Board Member to represent Asia for five years term (2010-2015) of the International Association for History of Religions under the UNESCO.

Honoured by Her Majesty the Queen of the Netherlands at the United Nations venue of the World Forum Convention Centre, the Hague, International City of Peace and Justice for the academic contribution in assisting and developing the 15<sup>th</sup> International Metropolis Conference, 4-6 October 2010.

**Dr. Anuradha Mal:** Awarded post-doctoral fellowship Erasmus Mundus to carry out research in cell and Molecular Biology group of Norwegian University of Science and Technology, 2011.

### Seminars/ Conferences held

As a part of the Golden Jubilee Celebrations, an International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers' was organized from 17-19 February 2011 in collaboration with the Department of Philosophy, University of Delhi, and NIDM, Ministry of Home Affairs, Govt. of India.

Botany Department organized a National Symposium funded by DBT-DST-CSIR-ICMR on 'Frontiers and Avenues in Plant Sciences', 20-21 January 2011.

The Department of Business Economics organized the 1st National Seminar on Business and Economics on 25 February 2011. An edited book *Emerging Paradigms in Business and Economics* containing selected research papers by the faculty was released on the occasion.

Hindi Sahitya Sangam, Hindi Department organized a Seminar on the topic 'Rachnakar ke Sau Baras' on the occasion of centenary year of great hindi poets (Aggeya, Nagarjun, Kedar Natha Aggarwal, Shamsher, Upender Nath Ashk).

## **Seminars/ Conferences attended**

**Dr. Amarjiva Lochan:** Organized and chaired a panel on 'Praying Priest: The Saga of the Brahmans in Southeast Asia' at the XXth IAHR World Congress, University of Toronto, Canada, 15-21 August 2010.

Presented a paper on 'Fading Sounds of Conch and Chanting: Unknown Brahmans in southern Thailand' at the XXth IAHR World Congress.

Presented paper on 'The Meditational Practices of Forest Monks' at the 6th International Conference in Buddhist Meditation: Texts, Traditions and Practice at Thailand.

Presented the Keynote Lecture on the 'Ayurveda: Ancient Wisdom for the Modern Usage' at the International Workshop on Ayurveda by the Embassy of India, Bangkok, 24-27 September 2010.

**Dr. Shashi Nijhawan:** Coordinated 'Science at the service of Humanity' in International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers' in collaboration with Department of Philosophy, DU and NIDM, Ministry of Home Affairs, 17-19 February.

**Dr. Darshan Malik:** Convened the Satellite Meeting on 'Disaster Risk Reduction: Role of Higher Education in International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers' in collaboration with NIDM, Ministry of Home Affairs on 18 February 2011.

Co-convened 'Science at the service of Humanity' in International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers' in collaboration with Department of Philosophy, DU and NIDM, Ministry of Home Affairs, 17-19 February 2011.

**Dr. Deepika:** Participated in International Conference 'Open Paradigms in Education (OPEN 2011)' 31 January–2 February 2011.

**Dr. Anuradha Mal:** Participated in International Conference on 'Recent Trends in Developing Bioremediation Strategies for Hexachlorocyclohexane and other chlorinated contaminants', 9-11 February 2011.

Presented a poster entitled 'Plants as Spiritual Messengers' in International Conference 'Science, Spirituality and Humanity: Transcending Discipline Barriers', 17-19 February 2011.

**Mr. Krishna Ram:** Presented a paper on 'Relationship between the Cereal Consumption and Real Income: Its implication in Context of Ongoing Poverty Debate in India' at International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers', 17-19 February 2011.

**Reetika Rana:** Presented a poster on 'Compressed Natural Gas: Option for the Green Future' at the International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers', 18 February 2011.

**Dr. Tejbir Singh Rana:** Presented a paper titled 'Disaster and Development: Utilization of Yamuna Flood Water' at the International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers', 17-19 February 2011.

**Jyoti Sharma:** Presented a paper titled 'Sahitya aur Media' at the International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers, February 2011.

**Ms. Khurshid Khan:** Presented a paper on 'Islam, Spirituality and the Pursuit of Knowledge in the Pedagogy of Christi Saints in 13<sup>th</sup> and 14<sup>th</sup> Century India' at the International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers, February, 2011.

**Dr. Manju Banerjee:** Presented a paper titles 'Truth Science and Spirituality: Common Man' and made a poster presentation on the theme 'Vigyan aur Adhatam, Ek Doosre ke Poorak' at the International Conference on 'Science, Spirituality and Humanity: Transcending Discipline Barriers, February, 2011.

**Dr. Poonam Singh:** Attended an International Conference on 'Postfeminist Postmortems? Gender Sexuality and Multiple Modernities' organized by the Department of English, University of Delhi, 14-16 February 2011.

**Ms. L. Gitarani Devi:** Presented a paper at an International Conference on 'Local Knowledge-Global Translations' organized by Bhasha Research and Publications Centre in association with Association for Commonwealth Literature and Language Studies, Delhi and Shimla, 11-16 September 2010.

**Dr. Shashi Nijhawan:** Coordinated the National Workshop on RNAomics: Isolation to Interference from 25-29 October 2010 in collaboration with Roche, Medox and TCGA.

**Dr. Darshan Malik, Dr. Neena Wadehra and Dr. Deepika:** Convened the National Workshop on RNAomics: Isolation to Interference in collaboration with Roche, Medox and TCGA, , 25-29 October 2010.

**Dr. Neena Khanna:** Participated in National Conference on 'Recent Advances in Pure and Applied Chemistry' organized by Dr. Ambedkar Centre for Bio-medical Research, University of Delhi from 28-29 December 2010.

Participated in the National Seminar on 'Role of Analytical Techniques in Biological and Environmental Science' at K.M. College, University of Delhi, 27-29 January 2011.

**Dr. Rashmi Wardhan:** Convened National conference on 'Trapped between tradition and Modernity: Changes and Challenges faced by Women' on 9-10 December 2010.

Participated in the National Panel discussion on Women Safety organized by Women Study Centre, University of Delhi, January 2011.

**Dr. Anuradha Mal and Dr. Prabhavathi:** Convened the National Symposium on 'Frontiers and Avenues in Plant Sciences' on 20-21 January, 2011.

**Mr. Rabinarayan Samantra, Mr. Rajinder Singh, Mr. Rajesh Kumar, Ms. Kiran Chaudhury and Mr. Ramesh Malik:** Participated in National Conference on 'Financial Sector reforms in India: The Road Ahead' organized by SBS College, 21-22 Jan. 2011.

**Mr. Rajinder Singh, Dr. Darshan Pandey and Mr. Rajesh Kumar:** Participated in National conference on 'Trapped between tradition and Modernity: Changes and Challenges faced by Women' on 9-10 November 2010.

**Mr. Ramesh Malik and Ms. Kiran Chaudhary:** Jointly presented paper titled 'The Retail Industries: A Sunrise Sector in India' in the National Seminar on 'Business and Economics' organized by Department of Business Economics, Shivaji College.

**Mr. Rajesh Kumar:** Participated in UGC sponsored National Conference on 'The Changing Dynamics of Governance in India- A Road Ahead' organized by Delhi College of Arts & Commerce on 23-25 March 2011.

**Mr. Rakesh Yadav and Ms. Preeti Sharma:** Attended a National Conference on 'ICT: An Engine for Inclusive Social Growth' organized by Computer Society of India at Constitution Club of India, New Delhi.

**Dr. Surender Singh:** Invited by Tejpur College, Tejpur (Assam) for chairing a session and delivering the Valedictory Address in a National Conference, 20-22 January 2011.

**Dr. Vikas Sharma:** Organized a Seminar on 'Rachnakar ke Sau Baras' on the occasion of centenary year of great hindi poets (Aggeya, Nagarjun, Kedar Natha Aggarwal, Shamsher, Upender Nath Ashk), 1-2 February 2011.

**Dr. Vikas Sharma, Jyoti Sharma and Dr. Darshan Pandey:** Attended a National Conference on 'Global Media aur Hindi Patarkarita' in PGDAV. College (eve), University of Delhi, 23-24 February 2011.

**Dr. Darshan Pandey:** Participated in the National Conference on 'Aaj ke Prashan aur Aggeya', Hindu College, University of Delhi, 23-24 February 2011.

**Dr. Darshan Pandey and Jyoti Sharma:** Participated in a Seminar on 'Aupniveshik Maansikta se Purna Samay aur Samaj ke Madhya Bhasha ka Prashna', Indraprastha College, University of Delhi, 3-4 March 2011.

**Jyoti Sharma:** Presented a paper titled 'Bhartiya Sanskriti aur Mahila Shashaktikaran' in a National Seminar on 'Mahila Shashaktikaran: Ayam, Disha aur Bhavisyaa', Ewing Christian College, Allahabad, 28-29 August 2011.

Attended a National Seminar on 'Aaj ke Prasan aur Aggey' at Hindu College, University of Delhi, 14-15 December 2010.

Attended a National Seminar on 'Media and the New World Order' organized by Shyam Lal College (Eve.), 4-5 February 2011.

Attended a National Seminar on 'Aggey aur nagarjun ke Sahitya: Vivid Ayam' at Hindu College, University of Delhi, 9-10 March 2011.

**Mr. Ashesh Kumar Jharwal:** Attended a National Workshop on 'Numerical Methods and Differential Equations in Computational Science' held in Deen Dayal Upadhyay College, University of Delhi, 1-5 February 2011.

Attended National Symposium on 'Application of Various Techniques in Fluid Dynamics' in BSNV, P.G. College, University of Lucknow, 10-12 February 2011.

**Dr. Mridula Budhraj and Mr. Vinod Chauhan:** Attended a National Workshop on 'Differential Equations, Computing and Modelling' organized by the Department of Mathematics, University of Delhi, 20-24 December 2010.

### **Publications**

**Chadha, P.R. 2011.***Emerging Paradigms in Business and Economics*.New Delhi: Excel India Publishers.

**Singh, S. 2011.***Geography*. Tata McGraw Hill Publishing Co.

*Articles in journals & Periodicals*

**Dass, B.K. and Madan, S. 2010.** Repeated Burst Error Locating Linear Codes. In *Discrete Mathematics, Algorithms and Applications*, 2(2): 181-188.

**Dass, B.K. and Madan, S. 2010.** Blockwise Repeated Burst Error Locating Linear Codes. In *Ratio Mathematica: Journal of Applied Mathematics* 20: 97-126.

**Dass, B.K. and Madan, S. 2010.** Syndromes of Shifts in Cyclic Codes. Information Theory and Optimization Techniques in Scientific Research 68-88. VDM Verlag, Germany.

**Kumari, P. and Singh, G.N.** Use of Imputation Methods in Two Occasion Successive Sampling. In *Journal of Indian Society of Agricultural Statistics*, 64(3): 417-432.

**Malik, D. et. al. 2011.** Insulin Induces Fatty Acid Desaturase Expression in Human Monocytes. In *Scandinavian Journal of Clinical & Laboratory Investigation*:1-10. Posted online on 17 March 2011 (doi:10.3109/00365513.2011.566350).

**Singh, R. 2010.**'CSR Practices of MNCs in India: An Empirical Study'. *Optimisation*, 3: 13-23.

**2010.** Managerial Perception of CSR: A Study of MNCs. In *Prabandhan*,3 (2): 44-45.

## **SRI GURU NANAK DEV KHALSA COLLEGE**

### **Library Development**

Total Budget : ₹ 6.8 lacs  
Books added : 1,305

### **Appointment of Faculty Members to Higher Posts/Assignments**

**Dr. Beant Kaur:** Nominated Member Committee constituted by Securities and Exchange Board of India.

**Dr. Gurdeep Kaur:** Elected President of 'Federation of Investor Associations'-- A National Body of SEBI registered Investor Associations.

**Dr. Harbans Kaur Sagoo:** Awarded Visiting Fellowship in Faculty of Theology, Catholic University, Leuven, Belgium.

Appointed Joint Secretary, National Institute of Punjab Studies, Bhai Vir Singh Marg, New Delhi.

Coordinator, National Commission for Minority Educational Institutions.

### **Honour/Distinction**

**Dr. Harbans Kaur Sagoo:** Appointed Fellow, Department of Punjab Historical Studies, Punjabi University, Patiala.

### **Seminars/Conferences held**

The College organized a National Seminar, sponsored by UGC, on the 'Life, Times and Achievements of Baba Banda Singh Bahadur' at its premises on 25-26 February 2011.

### **Seminars/Conferences attended**

**Dr. Vinod Kumar:** Presented paper '*Empirical Investigation of Prize Variability: Mechanism of Colombo ASPI*': 'International Conference in Global Finances', Kelaniya University, Colombo, August 2010.

### **Publications**

**Kaur, B. 2010.** *Sikh Dharam Shastre Da Tatt Saar: Postmodern Perspective*, Ludhiana: Chetna Parkashan.

**Kumar, D. 2011.** *Ramayana: Its Impact On Human Being*, New Delhi: Vidyanidhi Prakashan.

### *Articles*

**Kaur, J. 2010.** 'On a Theorem of Ankeny and Rioli' co-authored with Dr. Sunil Hans in *Journal of Interdisciplinary Math*, Vol. 13, No.2, pp. 163-166.

**Roy, M. 2011.** 'Federalism, Party System and Structural Changes in India', Paul Wallace & Ramashray Roy, (Eds.) *India's 2009 Elections: Coalition and Congress Continuity*, New Delhi: Sage Publications.

Contributed an article entitled, 'Cricket Unites But is There No World Beyond?', *The Hindu*, Delhi, 17th April, 2011.

'Federalism, Coalition Politics and Systemic Changes in India', G Gopa Kumar, (Ed.) *Towards an Inclusive India: Role of Parliament in Social Change*, New Delhi: Manak Publications, 2011.



'Bhartiya Nyaya Palika: Nyayik Samiksha Aur Nyayik Sakriyata' in Choudhary, B.N. (ed.) *Bhartiya Shasan Evam Rajniti*, New Delhi: Orient Blackswan, 2011.

**Singh, I.** 'Coalition Politics and Good Governance' in *Main Stream*, March 2011.

**Sood, G.S. 2010.** 'Developing an Investor Sentiment Index for India' co-authored with Sanjay Sehgal and Namita, R. *International Review of Business & Finance*, Vol.2, No.1, pp.87-96.

**Srivastava, P. 2010.** 'Dalit Autobiographies' *Creative Forum*, Delhi: Bahri Publications.

**Yadav, K.** 'Lohia's Feminist Reading of Mythology' in *Economic and Political Weekly (EPW)*, November 7, 2010.

#### *Translated/Edited Works*

**Grover, H.B.** Co-edited International Journals, *Creative Forum* and *Language Forum*, Vol. 1 & 2, 2010-2011.

**Kaur, A.** ed. *Baba Farid*, Sasta Sahit Prakashan Mandal, Rajasthan: February 2011. Trans. *Green Father* by Mitsumaru; '*Kutsa*' by Prem Chand; a case document based on Punjab Terrorism for NHRC; For CDAC under the Ministry of Information Technology and Broadcasting.

**Kaur, B.** ed. *Nari Kav Samvedna*, a text book prescribed for Under-graduate students of Delhi University. *DelhiKatha Jagat*, a text book prescribed for class XII students of CBSE.

**Kundra, B.** ed. Newspaper '*Media: Naye Âyâm*', printed by College students.

## **SRI VENKATESWARA COLLEGE**

### **Major Activities**

Under the auspices of the Golden Jubilee year activities of this year:

Trendy's – 17th Annual Biochemistry Meet – in association with School of Biotechnology, Jawaharlal Nehru University.

Apart from this Sri Venkateswara is having Academic Exchanges and collaboration with some of the Foreign Universities.

### **Honours/Distinctions**

**Dr.Saitya Brta Das:** Awarded with National Fellowship at IAS, Shimla.

**Dr.Ratna Raman:** Selected by the National Humanities Centre for a reading of the Golden Note book at Duke University.

**Ms.Nabanipa Bhattacharjee,** Nominated Fellow, United States Institute on Religious Pluralism, University of California, Santa Barbara.

## Students Academic Distinctions

Name	Course	Position in the University
Tanushree Mukherjee	B.Sc.(H) Biological Sciences	I
Avantika Lal	B.Sc.(H) Biochemistry	I

## Library Development

Total Budget	:	₹ 25,38,750/-
Books added	:	5,357
Journals subscribed to	:	70

## New Additions

Mr.Kanwar Singh - Sanskrit

## Seminars/Conferences held

The college conducted a National Conference on 'Public Policy and Delivery in Post Reform India Challenges Ahead', 20-21 September 2010.

The English Department of the college conducted a National Seminar 'A note in time : Music as Social Text' in association with the Department of English, University of Delhi, 12-14 January 2011.

The college conducted a National Conference on 'Ecology and Environment Management : Indian Scenario' sponsored by the Ministry of Earth Sciences, Government of India, 24-26 February 2011.

## Seminars/Conference attended

**Dr.K.Chandramani Singh:** Presented a paper 'Size effect on the electrical and piezoelectric properties of barium stannate titanate ceramics' in Xth International Conference on 'Nanostructured Materials – NANO 2010' in Rome, Italy.

Presented a paper 'Structure, electrical and piezoelectric properties of lead-free BaTiO<sub>2</sub> nanoceramics synthesized by high energy ball milling' in International Conference on Nanomaterials : Synthesis, Characterization and Applications–ICN 2010, in Kottayam, Kerala.

**Dr.Ratna Raman:** Discussant of Susan Visvanathan's Book 'The Children of Nature' on Raman Maharshi at JNU in September 2010. She attended a seminar 'A Note in Time'.

**Dr.Roopali Sircar Gaur:** Presented paper on 'Environment : Ecology', National Seminars on 'Disabilities & Challenges' and 'Environment – Ecology in India'

**Dr.Punam Sood:** Presented a paper at Indian Institute of Advanced Studies, a National Seminar on Equal Opportunities, Shimla.

**Dr.Kulbhushan Sharma:** Attended a National Seminar organized by Unnayan Sahityik Society on 25 February 2011.

**Dr.S.Seenivasan:** Attended a National Seminar on 'Tamil 2010' conducted by Delhi Tamil Sangam, 10-12 December 2010.

**Dr.Saba Ismail:** Presented a paper 'Trade Induced Technology Spillover and Economic growth : An Econometric Analysis'; an International Conference on 'Changing Structure of Trade and Investment : Implications for growth and Development' held at Jamia Millia Islamia in collaboration with CWS, IIFT and ICSSR, 2-3 March 2011.

**Mr.S.Krishna Kumar:** Presented a paper on 'Capital Flows and Development – a Comparison of the Brettonwoods Period with The Washington Consensus Period' at an International Conference on Changing Structure of International Trade and Investment: Implications for Growth and Development at Jamia Milia Islamia, 2-3 March 2011.

Participated as a discussant of the paper 'Exchange rate pass through and currency invoicing in Indian Exports' authored by Venkataramana Yanamandra at Second Research Conference on 'Empirical issues in International Trade and Finance, organized at Indian Institute of Foreign Trade, New Delhi, 16-17 December 2010.

**Dr.Rajender Kumar:** Attended a National Seminar on 'Financial Sector Reforms in India'.

**Ms.Nabanipa Bhattacharjee:** Attended All India Sociological Conference at Cuttack in December 2010; National workshop at JNU and National Seminar at Assam University, Silchar in March 2011 and presented papers in all three events.

**Dr.Rupini:** Attended UGC & CSIR sponsored National Symposiums conducted at Jaipur, February 2011.

**Dr.Brijesh Rathi.** Attended 7th Indo-Italian Workshop on 'Chemistry and Biology of Antioxidants', 4th Indo-Italian Seminar on 'Green Chemistry and Natural Products' at University of Delhi.

Attended a National Workshop on 'Role of Analytical Techniques in Industry' on 27-28 January 2011.

### **Publications**

**Das, S.B.** Authored a book '*The promise of Time : Towards a Phenomenology of Promise*'.

**Vivekananthan, S.** Published two books – *History of Jainism and History of Nagas*.

**Seenivasan, S.** Published a book '*Dalit Kathai Paadalkal*' a collection of Dalit Folk Ballads.

**Joshi, V.** edited anthology '*Themes in Modern European History : Social Movements and Cultural Currents*'.

**Singh, S.B.** Published a book '*Nature of Power transfer through Panchayat*'.

**Mukherjee, M.** Published a book '*A course in Real Analysis*'.

**Pandey, A.** Published a paper in an international journal – Nuclear Instruments and Methods in Physics Research B (Elsevier) Vol. 269 and a paper in national journal – *Indian Journal of Pure and Applied Physics*.

**Singh, K.C.** Published 7 research papers in International Referred Journals.

**Singh, R.P.** Published two research papers ‘Antioxidant and antibacterial evaluation of substituted thiols synthesised by a kinetically fast, economic and environment friendly approach’ and ‘Synthesis of 1,4 dihydroxypyridine derivatives and their biological activities evaluation against aspergillus fumigates’ in Journal of Pharmacy Research and Indian Journal of Chemistry respectively.

**Joshi, V.** edited anthology ‘Themes in Modern European History : Social Movements and Cultural Currents’ and her paper ‘Maternalism, Race, class and Citizenship in Nazi Germany’ was accepted as referred Article in *Journal of Contemporary History*, London.

## SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES

### Major Activities

The college organized the Global Business Foundation Skills Course along with ILL, University of Delhi. It placed 110 students with the highest package of ₹ 10 lakh and the average package of ₹ 5.6 lakh.

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Nishtha Anand	BBS	I
Vipra Dua	BBS	II
Tanvi Rohtagi	BBS	III
Priyanka Garg	BFIA	I
Priyanka Arora	BFIA	II
Somya Berry	BFIA	III
Pankhuri Jain	B.Sc.(H) Comp. Sc.	I
Himanshu Kansal	B.Sc.(H) Comp. Sc.	II
Richa Mahajan	B.Sc.(H) Comp. Sc.	III

### Library Development

Total Budget	:	₹ 4.20 lac Approx.
Books added	:	610
Journals subscribed to	:	38

### Honors/Distinctions

**Ms. Anuja Mathur:** Awarded the ‘Best Teacher Award’ by the Govt. of N.C.T. Delhi, Directorate of Higher Education.

**Ms. Jyoti Sikka:** Won the Faculty Advisor of the year – India award and was invited to the SIFE world cup held in Los Angeles, USA.

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

**Dr. Poonam Verma and Deepak Kukreja:** ‘Indo-European Conference on Quality in Higher Education’ at the Conference Centre, University of Delhi, 6-7 May 2010.

**Dr. Hamendra Kumar Porwal:** UGC Sponsored ‘National Seminar on Financial Sector Reforms in India - The Road Ahead’ organized by Shaheed Bhagat Singh College, University of Delhi, 21-22 January 2011.

#### **Publications**

**Singh, R. 2010.** The Three Factor Fama-French Model: Declining Importance in the Indian Stock Market. *Finance India*, Vol XXIV, No. 3.

**Anand S. 2010.** A Unified Approach for Developing Software Reliability Growth Models in the Presence of Imperfect Debugging and Error Generation. *IEEE Transaction on Reliability*, Vol. LX, Issue 1, pp. 331-340.

**2010.** Innovation Diffusion of Successive Generations of High Technology Products. *IEEE Proceedings of 2<sup>nd</sup> International Conference on Reliability, Safety and Hazards* at Bhabha Atomic Research Centre, Mumbai.

## **SATYAWATI COLLEGE**

#### **Special Grants/Assistance/Projects**

Under XIth Plan Scheme ₹ 29,67,000 (Merger Scheme)

₹ 17,5000 (Development Assistnace)

₹ 150,000 Dr. Aquil Ahmed for National Seminar on Urdu.

₹ 4,62,000 to Dr. R.L. Meena for Major Research Project.

#### **Library Development**

Total Budget : ₹ 7,96,500/-

Books added : 2,084.

Journal subscribed to : 22

## **SATYAWATI COLLEGE(EVENING)**

#### **Library Development**

Total Budget : ₹ 6,17,400/-

Books added : 1,840

Journals subscribed to : 14

### **Honours/Distinctions**

**Dr. Mayank Kumar:** Awarded the Nehru Memorial Museum and Library Fellowship, a Post Doctoral Fellowship.

### **Publications**

**Kumar, A. 2010.** 'Gandhi Ki Swaraj Ki Avdharana' in *Bharatiya Rajnitik Chintan* (ed. Ruchi Tyagi, Hindi Madhyam Karanawan Nideshalaya, University of Delhi, Delhi)

**2010.** 'Sthaniya Swashan' in *Bhartiya Shashan aur Rajniti*. Delhi: Orient Blackswan.

**Prasad, D. 2010.**ed. *Anbhai Sancha Quarterly Journal in Hindi*, 148, Kadambri, Delhi.

**Singh, B. 2010.** 'Economic Reform and Change in Skill Intensity in the Indian Manufacturing Industry' in *Indian Journal of Labour Economics*, October-December, 2010.

**Verma, R.K.** *Religion in Society, A Study of the Kalachuri Inscriptions*, Shakti Pub., Delhi.

English translation of Maithili novel *Naagphaans*, in 'Videha' (an international e magazine).

## **SHAHEED BHAGAT SINGH COLLEGE**

### **Honoures/Distinctions**

**Dr. S.S. Sareen:** Elected Joint Secretary (Sports) of Delhi and District Cricket Association (DDCA) for two years in September, 2010.

**Ms. Meera Mehta:** Awarded Ph.D. degree.

### **Seminars/Conferences attended**

**Dr. B.B. Goenka:** Delivered a Lecture in the International Seminar on '*Tax System in India : Structure, Procedure and Reforms*' organised by the Department of Commerce, Delhi School of Economics, University of Delhi, for the Foreign Study trip of University of Groningen, Netherlands.

**Dr. Harish Handa:** Presented papers on '*Retail Consumer of India – with special reference to Delhi Region*' at National Conference, on '*Retail Management in Indian Scenario: Issues and Challenges*' in Delhi, '*Corporate Governance and Audit Practices in India*' in National Conference on '*Creating High Performance Organizations*' at Delhi, '*Advancing Sustainable Prosperity*' in National Seminar on '*Ethical dimensions of Governance*' in Delhi and a case study on '*Economic Environment Sustainability and SEZ*', National Conference of Paristithi in Delhi.

Presented a paper entitled '*Recession and Stock Market*' at a National Conference on '*Challenges Arising from Global Recession: Strategies for Management*' in BVPU, Pune.

**Dr. Harish Handa and Amit Singh:** Presented a paper on '*Initial Public offering*' at All India Commerce Conference at Jaipur.

**Dr. Harish Handa and Dr. Meera:** Presented a paper '*Application of Exogenous Growth Model on Global Economic Meltdown*' at a National Conference at Institute of Management and Technology, Mohali, Chandigarh.

**Dr. Shivani Arora:** Presented a paper '*E-commerce-Marketers Perspectives*' at a Conference at Thompson Rivers University, Kamloops, Canada in June 2010.

Presented papers on 'A Study of Marketers Perceptions on Online Advertising' at the 3<sup>rd</sup> National Conference on Contemporary Management Research, NACCMAR 2010, at Apeejay School of Management, Dwarka and 'E-retailing-Marketers jigsaw' at 3<sup>rd</sup> International Research Conference on Retail 2010, DY Patil University, Navi Mumbai.

**Mr. Abdul Salam:** Participated in Conference on 'Commerce and Accountancy Education in India: Issues and challenges' organised by the Institute of Chartered Accountants of India at India Habitat Centre, Lodhi Road, New Delhi, 26 September 2010.

**Dr. V.K. Tyagi, Dr. V.A.V. Raman, Mr. Pankaj Kumar and Ms. Amrita Baja:** Attended the 32<sup>nd</sup> Indian Geography Congress of National Association of Geographers, India held at Panjab University, Chandigarh in November 2010.

**Dr. Poonam Sharma:** Attended National Seminar on 'Women Education on Environment & Climate Change' organized by AIFDM in May 2010.

**Dr. Vishwaraj Sharma:** Participated in an International Conference on 'Spirituality, Religion and Technology: Transcending the Barriers' organised by Shivaji College.

**Dr. Kamlesh Kumari:** Presented research papers on 'Naye vimarshon ka saahitya' in National Seminar, 'Aupniveshik mansikta se purn samay aur samaj ke madhya bhasha ka prashn' in National Seminar at Indraprastha University, New Delhi 'Hindi saahitya ka antar-rashtriya swarup' in International Seminar at Mumbai University, and 'Bhartiya saahitya ki awadharana' in National Seminar held at Pune University.

**Dr. Renu Gupta and Ms. Jyoti Varshney:** Attended a National Seminar on 'Differential Equations and Mathematical Modelling' held at Lady Shri Ram College in September 2010.

**Ms. Priyanka Goel:** Attended the Seminar on 'Globalization and India's Common Interest: Tax Reforms in a Federal Union' on November 11, 2010 and a talk on 'The Current Stage and Outlook for Federalism in Belgium and the European Union' by Professor Jan Wouters at the Centre for Multilevel Federalism, Institute of Social Sciences, New Delhi, 12 January 2011.

**Dr. Krishna and Ms. Simple Mohanty:** Attended a Conference organized by Dr. Achin Vanayak on 'The Global Crises and Hegemonic Dilemmas' at India International Centre, Delhi, 8-10 November 2010.

**Pritish Kumar Sahu:** Presented the paper 'Impact of Remittances on Poverty in Developing Countries: A Case study of India' in the International Conference on 'Science, Technology and Economy: Human Capital Development', IIT Bombay, 11-12 November 2010.



## Publications

**Handa, H.** Published various papers and articles ranging from 'Global Economic Meltdown and Relationship of Currency Movement and flow of capital: A Statistical Test' on Macro economic variables in portfolio selection in *Fortune Journal of International Management*, 'Parametric and Historical Estimation of Value at risk' in *PACE: A Journal of Research of Prestige Institute of Management*, 'Testing the efficiency of Indian Commodity Market', in *ELK: Journal of Finance and Risk Management*, 'Harry Markowitz theory in Practice' in *JIMQUEST*, 'Market Variables and Its Impact on Bond Yield' in *International Review of Business and Finance (IRBF)*, 'Dollar-Rupee Exchange Rate: A Fundamental Analysis' in *Journal of Management and Technology* and A Case study entitled 'ENVIRONMENTAL SUSTAINABILITY' in *Management Edge a Journal of BVIMR*.

**Shivani:** Published: 'Web Customers-What do they want?' in *SAARANSH* an International Journal listed in Cabel Directory, USA, 'E-Marketing-Optimization of Resources' in *Asia Pacific Journal of Research and Business Management*, 'Marketers Understanding of the Customers' in *Journal of Business Studies* and 'E-Commerce-Marketers Perspectives' in review of *Business & Technology Research*.

**Sahu, K.** Wrote a working paper on 'Impact of Remittances on Poverty in Developing Countries' published in *IDEAS* working paper series, research paper in Economics, University of Connecticut and also in Book format by United Nations (UNCTAD).

**Rajput, S.** Authored a chapter for NIOS in text book of Geography for class X<sup>th</sup>.

**Kumari, K.** Presented and published the paper, 'Addhyapak Shiksha Sankalpana aur Sandarbh' in International Conference organized by College of Education, Bilaspur, UP, 2010.

'Kamkaazi Mahilayen: Swasthya tatha Suraksha' in International Conference organized by National Commission for Women and UGC Centre for Women Studies, Mohanlal Sukhadia University, Udaipur, 2010.

'Uttarshati ke vimarsh aur hashiye ka samaj' in National Conference at Allahabad University (2011) and 'Aurat hone ki sajah: Ratinath ki chachi ke sandarbh mein' in National Seminar at Hansraj College, University of Delhi, 2011.

**Gulati, P.A.** Co-edited book 'Encyclopedia of Digital Library Design and Development' which is being published by IGI Global, a US based Publishing House.

**Jha, P.** Contributed a chapter entitled, 'Bharat ki Vikash Neeti' in a book '*Bhartiya Shasan evam Rajneeti*' edited by etal.

Contributed a chapter entitled 'Prashasnik Sidhant' in a Book '*Lok Neeti Aur Prashasan*' ed. by M.K. Sinha.

Contributed a chapter entitled, 'Gareebi, Berozgari, Kshetriya Asantulan Evam Khadya Surakha' in a book '*Samkaleen Bharat*'.

**Sangeeta:** Written a chapter on 'Vikas Prashasan' in a Hindi book on Public Policy edited by Dr. Manoj Kumar Sinha, published in October 2010.

**Krishna, K.K.** Published an article on the theme 'New Dimensions of Coalition Politics: The Indian Experience' in a journal '*South Asia Politics*' June 2010.

**Singh, S.K.** Published an article on the theme, 'International between Media and Democracy: An Analysis' in *Shree Prabhu Pratibha* in April-June 2010 issue.

## SHAHEED BHAGAT SINGH (EVENING) COLLEGE

### Library Development

Total Budget : ₹ 4,00,000/-  
Books added : 938  
Journals subscribed : 32 (Journals & Magazines)

### Honours/Distinctions

**Dr. B.W. Pandey:** Visited NASA and received a NASA Financial Grant in September 2010 at the open Science meeting Tempe Arizona, USA. He has also been elected as Deputy Executive representing India in International Geo Science Education Organization (IGEO) under UNESCO for 2010-2014.

### Seminars/Conferences held

**Dr. B.W. Pandey:** International Conferences on Urbanization, Global Environmental Change and Land Use System, Global Change and Sustainability at the Global Institute of Sustainability, Arizona State University, USA in October 2010.

**Dr. Anupama M. Hasija:** Participated in two National Seminars at the American Centre, New Delhi on 'Women, Environmental Education and Climate Change' in May 2010 and 'Youth Technology and Disaster Risk Reduction' in March 2011.

**Mr. Sunil Kumar, Mr. Sunder Singh and Dr. Kavita Yadav:** Participated in International Conference on Management (NICOM 2011) on 'Managing in Turbulent Times: Creativity, Innovation, Entrepreneurship, Leadership and Learnings' at Institute of Management, Ahmedabad, 6-8 January 2011.

**Dr. Poonam Chaudhary:** Presented a paper on 'Linking users to College Library resources' at the International Conference on the Convergence of Libraries, Archives and Museums organized by International Federation of Library Associations and Institution (IFLA) in February 2011.

## VIVEKANANDA COLLEGE

### New Subject Introduced

Mass Communication (Journalism) as an Application Course in B.A. (Prog.) 3rd Year

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Rachna Mishra	B.A. (Hons.) App.Psy.	I
Alisha Arora	B.A. (Hons.) App.Psy.	II

### Special Grants/Assistance/Projects

Awarded to the College : Promotion of Sports Facilities – Govt. of NCT : ₹ 46,000/-

Awarded to Individual Teachers : Travel Grant to Dr. Hina Nandrajog from UGC : ₹ 89,586/-

### Library Development

Total Budget	:	₹ 3,35,441.00
Books added	:	683
Journals subscribed	:	55

### Honours/Distinctions

**Dr. Yuthika Mishra:** Nominated as the Honorary Co-Ordinator of Documentation and Publication at the All India Women's Conference, the Historic Women's Organization which was established in 1927.

### Seminars/Conferences attended

**Dr. Hina Nandrajog:** Attended an International Conference 15<sup>th</sup> Triennial ACLALS (The Association for Commonwealth Literature and Language Studies) Conference 'Strokes Across Cultures' held in Nicosia, Cyprus, 6-11 June 2010 and presented a Paper 'The Homeland and the Homeless : Refugees of the Partition of India Trauma and Strategies of Recovery'.

**Dr. Yuthika Mishra:** Presented a Paper entitled 'Family in Colonial India Equalizing Forces - Unequal Consequences' at the 21<sup>st</sup> International Congress of the Historical Sciences held in Amsterdam in August 2010.

**Dr. Meera Sood:** Presented a paper entitled 'Physical Activity - The Key to Longer Lifespan' on the topic 'Physical Activity on Holistic Personality Development' in National Conference at Indira Gandhi College of Phy. Education & Sports Science, University of Delhi, in 2010-2011.

### Publications

**Nandrajog, H.** English Translation of a biography: Ghadar Party Hero: Kartar Singh Sarabha written by Prof. Chaman Lal Published by National Book Trust in 2011 under the National Biography Series.

**Mishra, Y. 2010.** Article in Hindi entitled Family, Gender and the process of Industrialization in Europe was included in the book on Modern European History in Hindi published in Hindi Madhyam Kaaryanvay Nideshalaya, University of Delhi.

**Suri, S.** Wrote two Books Food Processing for M.Sc. and (ii) Food Sc-Experiments and applications.

**Purnima Vir,** Wrote two Books Bakery and Confectionery for M.Sc. and (ii) Baking and Confectionery for B.Sc.

## ZAKIR HUSAIN COLLEGE

### Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Shamim Ahmad	B.A. (Hons.) Arabic	I
Bima Shaw (w)	B.A. (Hons.) Bengali	II
Amreen (w)	B.A. (Hons.) Persian	I
Gulshan	B.A. (Hons.) Urdu	I

### Special Grants/Assistance/Projects

*Awarded to the College*

This year, in addition to the regular grants, the UGC provided us a grant under XI Plan and Merged Schemes.

### Awarded to Individual Teachers:

**Dr. Devesh Vijay:** UGC sponsored Major Research Project, From Colonial Rule to Panchyati Raj: A Study of Changing Social Relations in a North Indian Village circa 1900-2000, for two years (2010-2012).

### Library Development

Total Budget	:	₹ 16,15,000/-
Books added	:	3,000
Journals subscribed to	:	40

### Appointments of faculty members to higher Posts/Assignments

**Dr. Anubha Das:** Selected ILLL Fellowship, University of Delhi.

### Honours/Distinctions

**Dr. M.A. Beg:** Won the First Prize and a cash award for his article 'Financial Meltdown: A Case study of SAARC Countries' in a contest among Directors of Management working in UP, Delhi and NCR.

**Ravi Ranjan:** Invited by Indian Social Institute as Consultant Project Director to carry out a research project on, 'Development, Democracy and Conflict: A Study of Chhattisgarh and Jharkhand.'

**Ms. Simin Akhtar Naqvi:** Inducted as Editor-in-chief of the International quarterly *Manifest* and the Editor of *Economy and Finance*, Furtherance an International fortnightly published at New Delhi.

**Dr. Devesh Vijay:** Selected Fellow in History at the ILLI, University of Delhi.

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

'Conference on Democratisation in Myanmar: Implications for World Today in collaboration with Institute of Social Sciences, Insaf and Burma Centre Delhi.

National Conference on 'Recent Advances in Polymer Nanocomposites' with support from CSIR, UGC and DRDO. on 14-15 January 2011.

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

**Reeta Khosla:** Participated in the International Conference on Environment at the University of Delhi and presented a poster, 'Ecological Footprint and Sustainability.'

**Dr. Vikas:** Presented a paper at the 'Global Congress on Plant Reproductive Biology' at Agra.

**Dr. Abdul Wahid Farooqi:** Presented a paper on Commerce Education at the International Conference at Nagin Das Khandwala College, University of Mumbai.

**Ms. Reeta:** Presented a paper at the International Conference on Business Ethics and Human Values on 'Social Responsibility and Ethics in Marketing' at University Business School, Chandigarh, Panjab University, Chandigarh on 22-23 December 2010.

**Ms. Shivani Abrol:** Presented a paper, 'Environment Ethics and Business Practices – Need of the Hour', at International Conference organised by the University Business School, Punjab University.

**Ms. Shraddha Adityavir Singh:** Presented a paper, 'Aboriginal Language Loss and Revitalisation in Canada' at an International Seminar at India International Centre, New Delhi.

**Jameel-ur-Rehman:** Presented a paper, 'Literary Importance of the Manuscript of *Tarikh-i-Shakir Khani*' in the International Seminar on 'Persian and Arabic Manuscripts in India: National Textual Heritage of Composite Culture' at Department of Persian, University of Delhi, 9-11 December 2010.

**Mohd. Aftab Alam:** Participated in an International Conference on 'Relevance of Policy Reform on Development: Challenges before Emerging Economies' and presented a paper on 'RTI Act and Its Impact on Urban poor and middle classes', organised by Department of Social Work, JMI, New Delhi.

**Ravi Ranjan:** Presented paper in International Conference organised by Allahbad Central University.

**Dr. Anubha Das:** Participated in the International Conference, Indo-Swiss Collaboration in Biotechnology on Recent trends in developing bioremediation strategies for hexachlorocyclohexane (HCH) and other chlorinated contaminants organized by Department of Zoology, University of Delhi in association with DBT and SDC, 9-11 February 2011.

Participated and Chaired a session entitled 'Teaching redefined: Empowering teachers' at the International Conference on 'Open Paradigms in education, OPEN11 sponsored by DST and CSIR at Indian International Centre, New Delhi, 31 January – 2 February 2011.

**Dr. Sulekh Chandra:** Participated in the National Seminar on 'Role of Analytical Techniques in Biological and Environmental Sciences' at K.M. College, University of Delhi, 27-29 January 2011.

Chairperson of Technical Session in 3<sup>rd</sup> National Seminar on 'Recent Trends in Advancement of Mathematical and Physical Sciences' held at D.N. College, Meerut, 5-6 February 2011.

**Abdul Wahid Farooqi:** Presented a paper, 'Customer Services in Banks: A Milestone in Banking Sector Reforms' at National Conference at Shaheed Bhagat Singh College, University of Delhi.

**Nidhi Dhavan:** Participated in a Seminar on 'Mutual Funds', organised by Northern India Regional council of The Institute of Company Secretaries of India, New Delhi on 15 July 2010.

Participated in a Seminar on 'Recent Developments in Capital Market', organised by Northern India Regional council of The Institute of Company Secretaries of India at Zakir Husain College, New Delhi, on 9 August 2010.

**Vijay, D.2010.** 'Culture and Explanation' Indian History Congress, New Delhi.

**Jamshed Khan:** Presented a paper, 'Description of Pseudo Sufis in the Mathnavi of Hazrat Shaikh Sharfuddin Abu Ali Shah Qalandar Panipati' in the National Seminar on 'Persian Mathnavi Writing in the Indian Subcontinent' held at the Department of Persian, University of Delhi.

**Dr. Malik Saleem Javed:** Presented a paper, 'Dastaan Masnawi-e-Naaz-o-Neaz', in the National Seminar on 'Persian Mathnavi Writing in the Indian Subcontinent' at the Department of Persian, University of Delhi.

**Mohd. Aftab Alam:** Participated in a National Conference and presented a paper on 'Parliamentary Democracy and Indian Minorities: Issues of Equity, Security and Identity' sponsored by UGC and Organised by Kalindi College.

Participated in a National Seminar on 'Dalit Movement and its Concerns in Contemporary Times'.

**L. Bidhanchandra:** Presented a paper, 'Culture as Right and Victimhood as Culture: Reflections on the Emerging Public Sphere' at the ICSSR National Seminar on Democracy, Identity and Difference at Shillong Women's College.

**Ravi Ranjan:** Presented a paper at a National Conference organised by Indira Gandhi National Tribal University at Manipur.

**Dr. Gulgoona Jamal:** Presented a paper, 'Assessment of Dyslexic in Hindi' at the Conference of National Academy of Psychology at JNU, New Delhi.

**Dr. (Mrs.) Deepak Kalia:** Presented a paper, 'Sanskrit and Himachali Language' in the UGC sponsored Seminar at Kalindi College and '*Brahma ke nirgunatav ki siddhi – addvattatva shuddhi ke sandarbh mein*' at the India Oriental Conference at Tirupati.

### **Publications**

**Dey, G.** Published her thesis as a book, '*Three Women Poets of Nineteen Century Bengal*' Kolkata: Dey's Publication.

**Dr. Chandra, S. 2011.** *Concise. Inorg. Chem.* New Delhi: I.K. Publications.

**Dhawan, N. 2010.** (1st Edn). *Introduction to E-Commerce*, Delhi: International Book House Pvt. Ltd.

**Naqvi, S.A.** Wrote a book, '*Experimental Analysis of Adaptive Learning*' published at Germany by VDM Verlag.

**Khan, S.** Published a book *Aawan Sulganey Ka Daayitva*.

**Vijay, D. 2010.** *Ikkeesvien Shatabdi Mein Daliton ke Badalte Halaat aur Soch*. Delhi: Swaraj Prakashan.

**Vijay, D. and Bharadwaj, M. (eds.). 2010.** *Adhunik Europe: Aayaam evam Dishayen*. Directorate of Hindi Medium Implementation, University of Delhi.

**Khan, J.** Translated a children's book, *My Mother's Sari*, from English into Persian which was published by Tulika Publishers.

**Khan, A.** Published a book, '*Urdu Adab Mein Awadh*', published by Kitabi Duniya, New Delhi.

### *Research Articles*

**Wazir, M. and Bakhshi, A.K. 2011.** 'Effect of basis set, electron correlation and hydration on the designing of ternary polypeptides using ant algorithm'. *Comput. Theoret. Chem.* 963: 85-91.

**Pandita, S. and Passey, S. 2010.** 'Distinguishing Between Monosaccharides and Disaccharides', *J. Resonance*.



**Chandra, S. and Kumar, A. 2011.** 'Green approach for the synthesis of silver nanoparticles and efficient use in oxidative cyclization'. *Int. J. Appl. Biol. Pharma. Tech.* 12(1): 78-85.

**2011.** 'Green approach for the synthesis of Ag-Nanoparticles and their Catalytic Properties in the presence of K<sub>2</sub>CO<sub>3</sub>'. *Int. J. Appl. Chem.*, 7(1): 59-70.

**Chandra, S. and Singh, D.R. 2010.** 'Development of Pr(III) Selective Electrode Using 1,6,7,12-Tetramine-2,5,8,11-tetraoxo-1(12),6(7)-di(biphenyl)-dodecane (TATODBD) as a Neutral Carrier'. *Chinese J. Chem.*, 28: 833.

**Kumar, U. and Chandra, S. 2011.** 'Synthesis, spectroscopic characterization of some Schiff base complexes derived from 2-methyl cyclohexanone and its activity against some fungi'. *J. Saudi Chem. Soc.*, 15:19-24.

**Sharma, A.K. and Chandra, S. 2011.** 'Complexation of nitrogen and sulphur donor Schiff's base ligand to Cr(III) and Ni(II) metal ions : Synthesis, spectroscopic and antipathogenic studies'. *Spectrochim. Acta A* 78: 337-342.

**Chandra, S. and Singh, D.R. 2010.** 'Nickel (II) Selective Poly (Vinyl Chloride) Membrane ISE using a Novel Macrocyclic Compound 1,10-diaza-4,7-dioxo-3, 8-dibenzoyl-cyclotetradeca-2,9(2)-diene as neutral carrier'. *J. Indian Chem. Soc.*, 88: 2011.

**Chandra, S. 2011.** 'A study of the mononuclear bivalent manganese and copper complexes of twelve membered hexaaza [N<sub>6</sub>] macrocyclic ligands: synthesis, spectral and in vitro antifungal screening'. *J. Indian Chem. Soc.*, 88.

**Kumar, U. and Chandra, S. 2011.** 'Synthesis, spectral and antifungal studies of some coordination compounds of cobalt(II) and copper(II) of a novel 18-membered octaaza [N<sub>8</sub>] macrocyclic ligand'. *J. Saudi Chem. Soc.*, 15: 157.

**Chandra, S. and Kuchhal, G. 2010.** 'Copper(II) –selective potentiometric sensor based on Bis(2-chlorobenzaldehyde)phenyl disulphide diimine in PVC matrix'. *Anal. Bioanal. Electrochem.*, 2(2): 88.

**Kumar, U. and Chandra, S. 2010.** 'Biological active cobalt(II) and nickel(II) complexes of 12-membered hexaaza [N<sub>6</sub>] macrocyclic ligand: Synthetic and spectroscopic aspects'. *E-Journal of Chemistry*, 7(4): 1238.

**2010.** 'Synthesis, characterization and in vitro antifungal-screening of manganese(II) and copper(II) complexes of hexaaza[N<sub>6</sub>] macrocyclic ligand'. *J. Nepal Chem. Soc.*, 25: 46.

**Chandra, S. and Singh, D.R. 2010.** 'Zinc(II) selective poly(vinyl chloride) membrane ISE using macrocyclic compound 1, 12,14-triaza-5,8-dioxo-3(4),9(10)-dibenzoylcyclopentadeca-1,12,14-triene as neutral carrier'. *J. Saudi Chem. Soc.*, 14, 50.

**Tyagi, M., Chandra, S. and Choudhary, S.K. 2011.** 'Tetraaza macrocyclic complexes: Synthesis, spectral and antifungal studies'. *J. Chem. Pharma. Research.* 3(1): 56-63.

- Rani, S., Kumar, S. and Chandra S., 2011.** 'Synthesis of NNNN tetradentate macrocyclic ligand and its Pt(II), Pd(II), Ru(III) and Ir(III) complexes: spectroscopic, thermal and antimicrobial studies'. *Spectrochim. Acta.* 78A: 1578.
- Tomar, P.K., Chandra, S., Malik, A., Kumar, A. and Kumar, A. 2011.** 'Chromium (III) ion Selective PVC Membrane Electrode based on a Schiff base ligand, 3-Aminoacetophenonethiosemicarbazone', *Anal. Bioanal. Electrochem.*, 3(2):119-133.
- Chandra, S., Tyagi, M. and Agarwal, S. 2011.** 'Spectral and antimicrobial studies on tetraaza macrocyclic complexes of PdII, PtII, RhIII and IrIII metal ions'. *J. Saudi Chem. Soc.*, 15: 49-54.
- Chandra, S., Sharma, K., Kumar, A. and Tomar, P.K. 2010.** Cu(II) selective PVC membrane electrode based on zinc complex of Acetophenonethiosemicarbazone(ZATSC) as an ionophore, *Der Pharma Chemica*, 2(6):256-266.
- Arya, P., Singh, N., Gadi, R. and Chandra, S. 2010.** 'Preparation, characterization and antiulcer activity of mixed ligand complex of Zn(II) with Famotidine and Glycine', *J. Chem. Pharm. Res.*, 2(6): 253-257.
- Rawat, A., Chandra, S. and Sarkar, A. 2010.** 'Easy way of sample monitoring: Chemical sensors and biosensors' *Anal. Bioanal. Electrochem.*, 2: 212-216.
- Rani, S., Kumar, S. and Chandra, S. 2010.** 'Synthesis of NNNN tetradentate macrocyclic ligand and its Pt(II), Pd(II), Ru(III) and Ir(III) complexes: spectroscopic, thermal and antimicrobial studies'. *Synth. React. Inorg. Met. Org. Chem. and Nano-Met. Chem.*, 40: 801.
- Chandra, S., Sharma, K. and Kumar, A. 2010.** 'Lead(II) selective PVC membrane electrode based on zinc complexes of salycaldehyde semicarbazone (ZSSC) as an ionophore'. *Anal. Bioanal. Electrochem.*, 2: 125.
- Chandra, S., Tyagi, M. and Agrawal, S. 2010.** 'Synthesis and characterization of a tetraaza macrocyclic ligand and its cobalt(II), nickel(II) and copper(II) complexes'. *J. Serb. Chem. Soc.*, 75(7): 935.
- Arya, P., Shrivastava, S., Singh, N. and Chandra, S. 2010.** 'Physico-chemical and pharmacological characteristics of mixed ligand complex of Zn(II) with Ranitidine and Glycine'. *J. Chem. Pharm. Res.*, 2(3): 626.
- Chandra, S., Jain, D., and Ratnam, B. 2010.** 'Synthesis and spectroscopic characterization of some copper(II) complexes containing 15-membered pentaaza (N5) bis (macrocyclic) ligands'. *J. Indian Chem. Soc.*, 87: 1379.
- Rawat, A., Chandra S. and Sarkar, A. 2010.** 'Highly Selective Potentiometric Iodide Ion Sensors Based on Bis-o-phenylenediamine Cu Complex'. *Sensor Letters*, 8: 753-759.
- Kataria, A. Sharma, A.K. and Chandra, S. 2010.** 'Synthesis, spectroscopic and antifungal studies of Ni(II) complexes with macrocyclic ligands'. *J. Chem. Pharm. Res.*, 2(2): 339.

- Chandra, S., Jain, D., and Ratnam, B. 2010.** 'Synthesis and spectroscopic characterization of copper(II) metal complexes of a 16 membered pentaaza (N<sub>5</sub>) bis(macrocyclic) complexes'. *J. Chem. Pharm. Res.*, 2(1): 533.
- Rawat, A., Chandra, S. and Sarkar, A. 2010.** 'Highly selective oxalate ion sensor based on – Ni complex of m-(amino acetophenone ethylene diamine) as carrier'. *Chinese J. Chem.*, 28(7):1140.
- Chandra, S., Jain, D. and Anupma 2010.** 'Synthesis, spectral and antimicrobial studies of Ni(II) and Cu(II) complexes with a nitrogen donor new azamacrocyclic ligand with Pendent arms'. *J. Indian Chem. Soc.*, 87: 1245.
- Chandra, S., Tyagi, M., Rani, S. and Kumar, S. 2010.** 'Lanthanide complexes derived from hexadentate macrocyclic ligand: Synthesis, spectroscopic and thermal investigation'. *Spectrochim. Acta A*, 75: 835.
- Chandra, S., Refat, M.S. and Tyagi, M. 2010.** 'Spectroscopic, thermal and biocidal studies on Mn(II), Co(II), Ni(II) and Cu(II) complexes of tridentate ligand having semicarbazone moieties'. *J. Thermal Analysis and Calorimetry*, 100: 261.
- 2010.** Transition Metal Complexes of bis (thiosemicarbazone): Synthesis, spectral and antifungal activities. Phosphorous, Sulfur and Silicon and the Related Elements, 185: 22.
- Chaturvedi, N. 2011.** 'Indian Theatre and Realism' in Biswas, Sarbojit (ed.) *Colonial Spectre and Beyond: Studies in Indian Writing in English*, Vol. 1., Kolkata: Books Way.
- 'Reading Devotional Poetry through the Rasa Framework' in Seema Kashyap and Seema Malik (eds.) *Ethics and Aesthetics: Essays in Indian Literature*. New Delhi: Creative Books, 2010.
- 'Imaginary Homelands and the Excesses of Imagination: Trivialization of History in Kiran Desai's Inheritance of Loss'. The *IUP Journal of Commonwealth Literature*, January 2011.
- Vijay, D. 2011.** 'Culture and Explanation: Reflections from the Trajectory of Industrialisation in Nineteenth Century Europe', *Journal of the Institute for Research in Social Sciences and Humanities*. 5: 189-212.
- 2011.** 'Cultural Transformation in the Twentieth Century'. *History Textbook for class XII*: 178-198. National Institute of Open Schooling, Noida.
- Rani, S., Shishodia, P.K. and Mehra, R.M. 2010.** 'Development of a dye with broadband absorbance in visible spectrum for an efficient dye-sensitized solar cell'. *J. Renewable and Sustainable Energy*. 2: 043103.
- 2010.** Enhancement of photovoltaic performance of quasi-solid-state dye sensitized solar cell with dispersion of hole conducting agent. *Material Science - Poland*. 28: 287.
- Kalia, D. 2010.** Pustakvachankala in sanskrit literature. In: *Garland of Sixty four Arts* (ed. Sushma Kulshreshtha). pp. 443-448. Delhi: Vidyanidhi Prakashan.

**2010.** Braham Ke Nirgunatava ki Siddhi - Advaitavashuddhi ke sandharabh mein.In: Abstract of 45th All India Oriental Conference at Tirupatti, A.P. Abstr. No. P53. p. 498.

**Chandrakant, S.** Paper11, LSPT-305, Biodiversity-II 'Animals'-Unit 10-Protochordata for B.Sc. Life sciences 11 Year 3rd semester.

## ZAKIR HUSAIN POST GRADUATE EVENING COLLEGE

### Special Grants/Assistance/Projects

The University of Delhi sanctioned and supplied 80 computers for College Computer Lab. A sum of Rs. Two crores was sanctioned by University of Delhi for infrastructure expansion.

### Library Development

Total Budget	:	₹ 3,34,849.00
Books added	:	590
Journals subscribed	:	31

### Seminars/Conferences attended

**Dr. Maheshwar Dutt:** Organised a Seminar on 'Climate change and its impact'. Dr. Dilip Kumar, Managing Editor, Newspapers Association of India and Political Expert in CNN-IBN-7 Channel delivered a lecture on 'Climate Change'.

**Mr. Sanjib Kumar Baishya:** Participated in 'Post Feminist-postmortem', the Annual Conference of the English Department, University of Delhi.

**Dr. Rajanikant Verma:** Presented a paper on 'Transformation of organization and Balanced Score Card' in the 63<sup>rd</sup> Annual Conference of Indian Commerce Association, at Goa.

**Dr. S.A. Hamideen:** Participated in the UGC sponsored National Seminar on Human Rights. He presided over the session on 'Cultural Rights of different communities'.

**Dr. Zahir Ali Khan:** Participated in National Conference as a Resource Person organized by Nation Open School. He is a honorary editor of a monthly magazine.

**Dr. Munshi Mohd. Younus:** Presented a paper on Bengali Drama in a National Seminar held at Calcutta University. He delivered a lecture on Rabindranath Tagore in National Seminar organized by Uttarbanga University.

**Dr. Habibur Rehman:** Participated in an International Conference on the, 'Convergence of Libraries, Archives and Museums and National Seminar on, 'Re-engineering the Information profession for the Emerging Knowledge Society'.

**Ms. Fauzia:** Attended an International Seminar and a Symposium on the topic of silk route to India.

**Dr. Maheshwar Dutt:** Presented a paper on 'Bio-diversity conservation' in a National Seminar organized by Akhil Bhartiya Manav Kalyan Sangathan, sponsored by Ministry of Environment and Forests, Government of India at Delhi.

**Ms. Shubhra Pant Kothari:** Presented a paper on 'Democratization and participatory Development: Inclusive Policies for Women PRIs in India in a National Seminar on Relevance of Dr. Ambedkar's Ideas Today at ICSSR.

**Dr. Chandan Kumar:** Organized and co-ordinated a National Seminar at Arts Faculty, Delhi University Delhi on changing Social-Realities and Hindi. He was Convenor of the third-session of this National Seminar.

**Dr. Madhumita Chakraborty:** Presented a paper at the UGC National Seminar held at Rajdhani College.

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

**Mr. Shams Tabrej:** Attended Seminars and courses in (1) Central European University (CEU), Budapest, Hungary - Summer Course entitled 'Space, Science and Claims to European Domination'. (2) Trinity College, Dublin, Ireland. He also travelled to London in order to consult documents in the British Library, London and Bodelin library, Oxford.

**Dr. Rashmi:** Presented a paper at an International Conference organized by the Zanzibar Ocean Research Institute. She also went to Oxford University for an academic orientation programme.

**Dr. Partho Datta:** Read papers at the 14<sup>th</sup> International Planning History Society Conference, Istanbul between 12-14 July 2010, at the International Conference on 'The City in South Asia', Japan, 18-20 July 2010 and at the International Conference organized by National archives and Historical Studies, Libya, 7-10 November 2010.

**Ms. Shubhra Ray:** Presented a paper at the 21st European Conference on Modern South Asian Studies, University of Bonn, Germany in July 2010.

**Dr. Madhumita Chakraborty:** Presented a paper at the Film and History Conference, University of Wisconsin, Milwaukee, USA in November 2010.

**Mr. Sanjib Kumar Baishya:** Participated in an International Symposium, at the IGNCA (Indira Gandhi National Centre for Arts), New Delhi.

**Dr. Maroof-ur-Rehman:** Presented a paper 'Sanskrit Sahity Main Jal Sarakchan' at an International Seminar.

**Dr. Madhumita Chakraborty:** Presented a paper at the Annual International IACLALS Conference at Trivandrum, 27-29 January 2011.

**Ms. Shubhra Ray:** Presented a paper at the annual International IACLALS Conference at Trivandrum, 27-29 January 2011.

**Dr. Chandan Kumar:** Presented a paper in National Seminar on 'Inter-conflict between Mind and Milieu: The Literatue Flux' at Charkhi Dadri, Haryana.

**Dr. Zahir Ali Khan,** Participated in three National Workshops and he presented a paper in National Seminar organised by Raza Library, Rampur. He also presented another paper in National Seminar organised by National Urdu Research Scholar Association.

**Dr. Shahina Tabassum:** Participated in 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.

## **Publications**

### *Books*

**Moshal, B.S.** Published a book entitled as 'Principles of Management, Business and Corporate Law'.

**Verma, R.** Published a book entitled as, 'Managing Attitudinal changes through OB Mechanism: with reference to selected Public and Private Sector Banks'. Germany: Lambert Academic Publishing.

**Ali, I. 2011.** Edited a book entitled, 'Contemporary Africa: issues' and concerns, Delhi: Global vision Publishing House.

**Raza, A.** Published a book entitled as 'Agriculture and Food Security'. The book was released by C. Ranga Rajan, Chairman Advisory Economic Council.

**Tigga, S.P. 2011.** Contributed poem titled 'Soul ripper' in a book published Aquirelle anthology-100, book one 2011.

**Kothari, S.P. 2010.** Published two books entitled as 'The Politics of Womens' Reservation Bill Issue, 2010 and 'Citizenship and Globalization'.

**Kumar, C.** Published a book 'Suchna Ka Adhikar Aur Panchayati Raj' (RTI and Panchayati Raj).

### *Research Papers*

**MHussain, A.** Presented a research paper at, 'Expanding Horizons of the Merchants of Shekhawat' in the 18<sup>th</sup> Century, Seminar organized by Rajasthan History Congress at Jodhpur.

Contributed a research paper on Fort of Narwar and its Inner structures in Forts of India, (ed.) Gupta, K.S. Udaipur.

**Kothari, S.P.** Research paper on the Issue of Womens' Political Participation in India and its effects in the Urban areas, Nagarlok.

**Rehman, H.** Contributed a chapter in the edited book titled, as 'Information Professionals issues and challenges in Digital age'.

**Raza, A.** Prepared a working paper on Two Decades of Economic Reforms in India- published by ASSOCHAM New Delhi.

**Mr. Mohd. Shoeb** Research Paper E-Commerce 'A Blessing or a Curse' in *Asian Journal of Management Research* ISSN=2229-3795.

**Tabassum, S.** Research Paper in a magazine published by Rajasthan University.

**Chakraborty, M.** Published a research paper: Redefining Culture: The Changing dynamics of Indian Television, in *Search: A Journal of Humanities*.

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88<sup>th</sup>  
ANNUAL REPORT  
2010-2011

PART - II  
(MISCELLANEOUS AND STATISTICS)



UNIVERSITY OF DELHI

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**Members of the Board of Research Studies**

Arts .....  
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# **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

Justice S.H. Kapadia

upto 11.05.2010

w.e.f. 12.05.2010

### **Statute 2(1)(iii)**

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

Professor Deepak Pental

Professor Dinesh Singh

upto 29.10.2010

w.e.f. 29.10.2010

### **Statute 2(1)(iv)**

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

Professor S.K. Tandon

Professor Vivek Suneja

upto 22.08.2010

w.e.f. 07.12.2010

### **Statute 2(1)(v)**

#### ***Dean of Colleges***

Professor (Ms.) Nayanjot Lahiri

Professor Sudhish Pachauri

upto 07.12.2010

w.e.f. 07.12.2010

### **Statute 2(1)(vi)**

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

Professor Dinesh Singh

Professor Umesh Rai

upto 28.10.2010

w.e.f. 07.12.2010

### **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

Professor Deepak Pental

**Statute 2(1)(ix)*****Librarian***

Dr. Suprabhat Majumdar

**Statute 2(1)(x)*****Proctor***Professor Gurmeet Singh  
Professor Harinder Pal Singhupto 07.12.2010  
w.e.f. 07.12.2010**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	upto 05.07.2010
Professor Mithilesh Kumar Chaturvedi	Sanskrit	w.e.f. 06.07.2010
Professor Ashok Vohra	Philosophy	upto 30.04.2010
Professor H.S. Prasad	Philosophy	w.e.f. 01.05.2010
Professor Vibha Maurya	Germanic & Romance Studies	upto 31.01.2011
Professor Kusum Agarwal	Germanic & Romance Studies	w.e.f. 01.02.2011
Dr. Rakesh Kumar Bhatt	Library & Information Science	upto 04.12.2010
Dr. Paramjeet Kaur Walia	Library & Information Science	w.e.f. 05.12.2010
Professor Sudhish Pachauri	Hindi	upto 12.09.2010
Professor Gopeshwar Singh	Hindi	w.e.f. 13.09.2010
Dr. Syed Ali Karim	Urdu	
Professor P.C. Patnaik	M.I.L. & Literary Studies	upto 15.03.2011
Professor A. Mariappan	M.I.L. & Literary Studies	w.e.f. 16.03.2011
Professor K.T.S. Rao	Buddhist Studies	
Professor R.K. Agnihotri	Linguistics	(upto 20.12.2010)
Professor Ramesh Chand Sharma	Linguistics	(w.e.f. 21.12.2010)
Professor Anand Prakash	Psychology	
Dr. Wali Akhtar	Arabic	
Professor (Ms.) Rehana Khatoon	Persian	
Dr. Manjit Singh	Punjabi	
Professor D.S. Kulshrestha	Physics & Astrophysics	(upto 15.11.2010)
Professor R.P. Tandon	Physics & Astrophysics	(w.e.f. 16.11.2010)
Professor V.S. Parmar	Chemistry	(upto 30.04.2010)
Professor A.K. Bakshi	Chemistry	(w.e.f. 01.05.2010)
Professor P.K. Ghosh	Anthropology	(upto 31.12.2010)
Professor S.L. Malik	Anthropology	(w.e.f. 01.01.2011)
Professor Rup Lal	Zoology	(upto 07.11.2010)
Professor Ashok Kumar Singh	Zoology	(w.e.f. 08.11.2010)

Professor I. Usha Rao	Botany	
Dr. (Ms.) Kumud Khanna	Home Science	
Professor V.N. Bajpai	Geology	(upto 10.08.2010)
Professor Talat Ahmad	Geology	(w.e.f. 02.07.2010)
Professor S.S. Agarwal	Pharmacy	
Professor S.N. Singh	Law	(upto 30.06.2010)
Professor Gurdip Singh	Law	(w.e.f. 01.07.2010)
Professor R.C. Jiloha	Psychiatry (MAMC)	(upto 06.01.2011)
Professor M.S. Bhatia	Psychiatry (UCMS)	(w.e.f. 07.01.2011)
Professor N.K. Agarwal	Forensic Medicine (UCMS)	(upto 29.07.2011)
Professor S.K. Verma	Forensic Medicine (UCMS)	(w.e.f. 30.07.2011)
Professor Suneela Garg	Community Medicine (MAMC)	(upto 15.02.2010)
Professor Sanjay Chaturvedi	Community Medicine (UCMS)	(w.e.f. 16.02.2010)
Professor Amit Banerjee	Surgery (MAMC)	(upto 29.10.2010)
Professor P.N. Agarwal	Surgery (MAMC)	(w.e.f. 30.07.2010)
Professor Sachin Kumar Jain	Medicine (LHMC)	(upto 08.01.2011)
Professor Mukul P. Agarwal	Medicine (UCMS)	(w.e.f. 09.01.2011)
Professor (Ms.) Kiran Mishra	Pathology (UCMS)	
Professor (Ms.) Neelam Balavaid	Obstat. & Gyna. (MAMC)	
Professor Pramod Kumari	Pharmacology (UCMS)	
Professor Rama Anand	Radiology (LHMC)	
Professor B.D. Banerjee	Medical Bio-Chemistry (UCMS)	
Professor Kamlesh Khatri	Anatomy (UCMS)	(upto 20.01.2011)
Professor M. Nagar	Anatomy (UCMS)	(w.e.f. 01.03.2011)
Professor Ajay Kumar Gupta	Orthopaedics (MAMC)	
Professor Aneeta Chakravarty	Medical Microbiology (MAMC)	
Professor Savita Singh	Physiology (UCMS)	(upto 17.09.2010)
Professor Nilima Shanker	Physiology (UCMS)	(w.e.f. 18.09.2010)
Professor (Ms.) Archana Singhal	Dermatology & Venereology (UCMS)	(upto 18.06.2010)
Professor (Ms.) Jolly Rohtagi	Ophthalmology (UCMS)	
Professor Raj Kumar	Pulmonary Medicine (VPCI)	
Professor Anand Prakash Dube	Paediatrics (MAMC)	
Professor T.S. Anand	Otolaryngology (LHMC)	
Professor Ashok Kumar	Anaesthesiology (UCMS)	
Professor Mahesh Verma	Dental Sciences	
Professor Anita Rampal	Education	
Dr. Narender Kumar	Electrical Engineering (DCE)	
Professor Ashutosh Trivedi	Civil Engineering (DCE)	
Professor J.R.P. Gupta	Instru. & Control Engg. (NSIT)	
Professor B.L. Pandit	Economics	(upto 02.08.2010)
Professor Pami Dua	Economics	(w.e.f. 12.11.2010)
Professor Saiyid Zaheer Husain Jafri	History	(upto 30.06.2010)



Professor Basu Dev Chatterji	History	(w.e.f. 06.07.2010)
Professor Sanjay Bhatt	Social Work	
Professor Achin Vanaik	Political Science	(upto 14.10.2010)
Professor Pradip Kumar Datta	Political Science	(w.e.f. 15.10.2010)
Dr. Suresh Kumar	African Studies	
Professor Rajni Palriwal	Sociology	(upto 22.07.2010)
Professor Nandini Sunder	Sociology	(w.e.f. 23.07.2010)
Dr. Barkatullah Khan	Geography	
Professor Madhu Bhalla	East Asian Studies	(upto 08.07.2010)
Professor Anita Sharma	East Asian Studies	(w.e.f. 01.07.2010)
Dean, Faculty of Social Sciences	Adult Continuing Education & Extension	
Professor Anjali Mittal	Music	(upto 08.07.2010)
Professor Anupam Mahajan	Music	(w.e.f. 09.07.2010)
Professor Balkishan Das	Mathematics	
Professor P.K. Kapoor	Operational Research	
Dr. (Ms.) Neelima Gupta	Computer Science	
Professor Jagdish Saran	Statistics	
Professor K. Mamkootam	Business Management & Industrial Administration	
Dr. Abdul Hafeez	Unani Medicine	(upto 14.09.2010)
Dr. Nuz-hat Isthiaq	Unani Medicine	(w.e.f. 15.09.2010)
Dr. K.K. Sijoria	Ayurvedic Medicine	(upto 11.11.2010)
Dr. Rajni Sushma	Ayurvedi Medicine	(w.e.f. 12.11.2010)
Professor Anil Kumar Tyagi	Bio-Chemistry	
Professor Rani Gupta	Microbiology	
Professor B.K. Thelma	Genetics	
Professor M.K. Pandit	Environmental Biology	
Professor Avinashi Kapoor	Electronic Science	
Dean Fac. of Inter-dis. & Appl. Scs.	Bio-Physics	
Professor Anil Grover	Plant Molecular Biology	(upto 28.10.2010)
Professor Indranil Gasgupta	Plant Molecular Biology	(w.e.f. 29.10.2010)
Professor D.K. Kansal	Physical Education	
Professor Rashmi Aggarwal	Business Economics	
Professor R.K. Nagpal	Slavonic & Finno Ugrian Studies	(upto 29.01.2011)
Professor Ranjana Saxena	Slavonic & Finno Ugrian Studies	(w.e.f. 30.01.2011)
Professor K.V. Bhanumurthy	Commerce	
Professor Sanjay Sehgal	Financial Studies	(upto 08.07.2010)
Professor I.M. Pandey	Financial Studies	(w..f. 09.07.2010)
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. Rajesh Mohan	Atma Ram Sanatan Dharma College
Dr. Ahmad Yasin	Ayurvedic & Unani Tibbia College
Dr. Raju K. Prashar	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 B.P. Srinivasan	Delhi Instt. of Pharm. Scs. & Research
Dr. Suresh Kumar Garg	Deen Dayal Upadhyaya College
Dr. M.S. Rawat	Delhi College of Arts & Commerce
Dr. J.K.S. Taank	Deshbhandhu College
Dr. Inderjeet Singh Bakshi	Dyal Singh College
Dr. Deepak Malhotra	Dyal Singh College (Eve.)
Dr. (Ms.) S. Tandon	Daulat Ram College
Dr. Swati Sanya	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.) Kanwarjeet 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. S.N. Kapur	PGDAV College
Dr. Ramji Narayanan	PGDAV College (Eve.)
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. Ashok Kumar	Ram Lal Anand College (Eve.)
Dr. Rajendra Prasad	Ramjas College
Dr. S.P. Aggarwal	Ramanujan College (Eve.)
Dr. Shamsul Haq	Satyawati College
Dr. Satendra Kumar Joshi	Satyawati College (Eve.)
Dr. B.C. Sehgal	Shaheed Bhagat Singh College
Dr. P.K. Khurana	Shaheed Bhagat Singh College (Eve.)
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. Prashant Kumar	Sri Aurobindo College (Eve.)
Dr. P. Hemlatha 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. S.N. Gaur	Vallabhbhai Patel Chest Institute
Dr. (Ms.) Renu Sahini	Vivekanand College
Dr. Mohd. Aslam Parvaiz	Zakir Husain College

Sh. S.S. Hamideen  
Dr. Daman Saluja, Director

Zakir Husain College (Eve.)  
Dr. B.R. Ambedkar Centre for  
Bio Medical Research

**Statute 2(1)(xiv)(a)**

***Professors other than Heads of the Departments***

Professor (Ms.) Anjali Mittal	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
Prof. Achin Vanaik	Political Science
Professor Ashok Nagpal	Psychology
Professor Amitabh Mukharjee	Physics & Astrophysics
Professor Anand Mohan Bhola	Geology
Professor (Ms.) Ashum Gupta	Psychology
Professor A.K. Kapoor	Anthropology
Professor A.K. Bhatnagar	Botany
Professor Anand Kumar Verma	Electronic Science
Professor Ajay Kumar	Mathematics
Professor Akshay Kumar Pradhan	Genetics
Professor Akhilesh Kumar Tyagi	Plant Molecular Biology
Professor Ashok Kumar Prasad	Chemistry
Professor Anil Grover	Plant Molecular Biology
Professor Apoorvanand Jha	Hindi
Professor A.G. Vedeswar	Physics & Astrophysics
Professor Abhijit Shankar Dasgupta	Sociology
Professor Arun Kumar Pandey	Botany
Professor Amar Kumar	Botany
Professor Ashok Vohra	Philosophy
Professor Ajay Pandit	Business Management & Industrial Administration
Professor Bidyut Chakrabarty	Political Science
Professor Brajesh Chandra Choudhary	Physics & Astrophysics
Professor B.M. Tankha	East Asian Studies
Professor Basu Dev Chatterjee	History
Professor Bhikshu Satyapal	Buddhist Studies
Professor Brij Mohan Tankha	East Asian Studies
Professor (Ms.) Bharti Baveja	Education
Professor B.P. Sahu	History
Professor Alok Rai	English
Professor A. Marriappan	M.I.L. & Literary Studies

Professor Apoorvanand Jha	Hindi	
Professor A.K. Koul	Law Centre-II	
Professor Ashok Kumar Seth	Commerce	(upto 18.09.2009)
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 C.P. Gupta	Financial Studies	
Professor Chander Shekhar	Persian	
Professor Debajyoti Choudhury	Physics & Astrophysics	
Professor (Ms.) Deepti Omchery Bhalla	Music	
Professor (Ms.) Dipti Sharma Tripathi	Sanskrit	
Professor Debi P. Sarkar	Bio-Chemistry	
Professor D.K. Sinha	Geology	
Professor D.S. Rawat	Chemistry	
Professor D.S. Kulshrestha	Physics & Astrophysics	
Professor (Ms.) E.K. Sharma	Electronic Science	
Professor Farhat Hasan	History	
Professor (Ms.) Gopa Bhardwaj	Psychology	
Professor Girishwar Mishra	Psychology	
Professor (Ms.) Geeta Paintal	Music	
Professor Gurmeet Singh	Chemistry	
Professor G.V.R. Prasad	Geology	
Professor Gaysu R. Arvind	Education	
Professor H. Ramachandran	Geography	
Professor Harish Kumar Trivedi	English	
Professor Hari Mohan Sharma	Hindi	
Professor Inderjit Singh	Centre for Environment Management of Degraded Ecosystem	
Professor J.P. Sharma	Commerce	
Professor J.P. Khurana	Plant Molecular Biology	
Professor J.P. Srivastva	Geology	
Professor J.S. Virdi	Microbiology	
Professor J.V. Meenakshi	Economics	
Professor Jawahar Lal Kaul	Campus Law Centre	
Professor J.K. Mitra	Business Management & Industrial Administration	
Professor Krishna Kumar	Education	
Professor K.M. Shrimali	History	
Professor (Ms.) Krishna Maitra	Education	
Professor K. Muralidhar	Zoology	
Professor (Ms.) Kuljit Shellie	Punjabi	
Professor Kesavan Veluhat	History	

Professor K.S. Rao	Botany
Professor K.N. Tiwari	Hindi
Professor Madhu Bhalla	East Asian Studies
Professor (Ms.) Monika Dutta	Chemistry
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 M.C. Agarwal	Statistics
Professor (Ms.) Malashri Lal	English
Professor Manjushree Tyagi	Music
Professor Man Mohan	Physics & Astrophysics
Professor M.P. Sachdeva	Anthropology
Professor (Ms.) Madhu Bala Saxena	Music
Professor M.L. Singla	Business Management & Industrial Administration
Professor M.P. Srivastava	Physics & Astrophysics
Professor M. Jayananda	Education
Professor Meenakshi Thapan	Sociology
Professor M. Venkat Rajan	Genetics
Professor Muneesh Kumar	Financial Studies
Professor Mahesh Rangarajan	History
Professor Mohan	Hindi
Professor Mohd. Nauman Khan	Arabic
Professor Nandita Babu	Psychology
Professor Nanvita Chadha Behera	Political Science
Professor Nirmalangshu Mukherjee	Philosophy
Professor N.K. Chadha	Psychology
Professor (Ms.) Neera Chandhoke	Political Science
Professor N.M. Kamal	Urdu
Professor Nandita Basu	M.I.L. & Literary Studies
Professor Neeta Sehgal	Zoology
Professor Namita Ranganathan	Education
Professor Poonam Batra	Education
Professor Pulin B. Nayak	Economics
Professor Poonam Saxena	Law Centre-II
Professor P.D. Share	Physics & Astrophysics
Professor P.C. Joshi	Anthropology
Professor P.K. Bhatnagar	Electronic Science
Professor Patrick Dasgupta	Physics & Astrophysics
Professor Pawan Kumar Mathur	Chemistry

Professor Partha Sen	Economics
Professor Prem Singh	Hindi
Professor Prahlad C. Ghosh	Bio-Chemistry
Professor P.K. Ghosh	Anthropology
Professor P.C. Pattanaik	M.I.L. & Literary Studies
Professor Paramjit Khurana	Plant Molecular Biology
Professor P. Pardha Saradhi	Environmental Biology
Professor R. Geeta	Botany
Professor Rama Mathew	Education
Professor Rita Kakkar	Chemistry
Professor Ramesh Chand Kuhad	Microbiology
Professor Rup Lal	Zoology
Professor Rakesh Kumar Seth	Zoology
Professor Ravinder Gargesh	Linguistics
Professor R.D. Gaiha	Business Management & Industrial Administration
Professor R.K. Gautam	Hindi
Professor Rampal Rana	History
Professor Rajiv Khanna	Campus Law Centre
Professor Rajan Kumar Mohanty	Mathematics
Professor Ramakant	Chemistry
Professor (Ms.) Rohini Somanathan	Economics
Professor Ramesh Chandra Rastogi	Chemistry
Professor Rakesh Kumar Sharma	Chemistry
Professor Rina Chakrabarti	Zoology
Professor Roma Chatterji	Sociology
Professor Rajni Palriwala	Sociology
Professor R. Ramanathan	Physics & Astrophysics
Professor (Ms.) Satwanti Kapoor	Anthropology
Professor (Ms.) Suneera Kasliwal	Music
Professor Subramaniam Annaporni	Physics & Astrophysics
Professor S.M.S. Chauhan	Chemistry
Professor Suresh C. Aggarwal	Business Economics
Professor Surender Kumar	Business Economics
Professor (Ms.) Subhadra Channa	Anthropology
Professor S.L. Malik	Anthropology
Professor Shormistha Panja	English
Professor (Mrs.) S.B.F. Husaini	Persian
Professor Sanjay Jain	Commerce
Professor Simrit Kaur	Business Management & Industrial Administration
Professor Sadhana Saxena	Education
Professor Satya Narayana Tulsi	Microbiology



Professor Sambudha Sen	English
Professor Sunil Kumar Sharma	Chemistry
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 Sanjai Bhatt	Social Work
Professor Sunil Sharma	Business Management & Industrial Administration
Professor Sunita Singh Sengupta	Business Management & Industrial Administration
Professor Sreenivas Kondapudy	Physics & Astrophysics
Professor Shirshendu Chakrabarti	English
Professor Shyam B. Menon	Education
Professor Sunil Kanwar	Economics
Professor Santosh Chandra Panda	Economics
Professor Shahid Amin	History
Professor Sunil Kumar	History
Professor (Ms.) Sunita Dhar	Music
Professor Sheela Srivastava	Genetics
Professor S.R. Mittal	Education
Professor Sri Ram Khanna	Commerce
Professor Sreemati Chakrabarti	East Asian Studies
Professor Satish Deshpande	Sociology
Professor Shaswati Mazumdar	Germanic & Romance Studies
Professor Shashi Bhushan Babbar	Botany
Professor Sheoraj Singh	Hindi
Professor Seema Alvi	History
Professor S.Z. Hussain Jafri	History
Professor Sanjay Sehgal	Financial Studies
Professor Shakuntala Punjani	Sanskrit
Professor Sharda Sharma	Sanskrit
Professor Syed Ali Karim	Urdu
Professor T.C.A. Anant	Economics
Professor T.K. Venketasubramanian	History
Professor (Ms.) Tulsi Patel	Sociology
Professor Tej Bahadur Singh	Mathematics
Professor Tista Bagchi	Linguistics
Professor T.R. Sheshadri	Physics & Astrophysics
Professor Talat Ahmad	Geology
Professor Uma Garg	Music

Professor Usha S. Razdan	Law Centre-I
Professor Ujjal Kumar Singh	Political Science
Professor Uday Kumar	English
Professor (Ms.) Upinder Singh	History
Professor I. Usha Rao	Botany
Professor V.K. Bhasin	Zoology
Professor Veena Kukreja	Political Science
Professor V.K. Bhalla	Business Management & Industrial Administration
Professor (Ms.) V. Radha	Music
Professor Virginius Xaxa	Sociology
Professor V. Raghvendra Rao	Anthropology
Professor Vinay Gupta	Physics & Astrophysics
Professor V.S. Parmar	Chemistry
Professor Vinay Lal	History
Professor V.K. Vasal	Financial Studies
Professor Ved Pal Singh	Botany
Professor Vinod Kumar	Zoology
Professor Vijay Kapur	Business Management & Industrial Administration
Professor V.N. Bajpai	Geology
Professor V.K. Chaudhury	Bio-Chemistry
Professor (Ms.) Veena Bakshi	Law Centre –I
Professor Vibha Chaturvedi	Philosophy
Professor Vishni Gupta	Mathematics
Professor V.K. Seth	Business Management & Industrial Administration
Professor Veena Agarwal	Botany
Professor Vibha Maurya	Germanic & Romance Studies

**Statute 2(1)(xiv)(b)**

***Professors from the Faculty of Medical Sciences***

Professor (Ms.) Rashmi Babbar	Physiology (MAMC)	
Professor (Ms.) Geeta Dev	Pathology (UCMS)	(upto 10.10.2010)
Professor Arun Kumar Aggarwal	ENT (MAMC)	(w.e.f. 11.10.2010)
Professor Raktima Anand	Anaesthesiology (MAMC)	(upto 06.05.2010)
Professor S.N. Gaur	Medicine (VPCI)	(w.e.f. 07.05.2010)
Professor Usha Rusia	Pathology (UCMS)	(w.e.f. 20.12.2009)

**Statute 2(1) (xiv)( c)**

***Professors from the Faculty of Technology***

Professor Suresh Kumar Garg	Production & Industrial Engg.
Professor Santosh Kumar Singh	Civil Engineering

**Statute 2(1) (xv) (a)*****Readers by rotation according to Seniority***

Dr. Ajay pandit	Business Management & Industrial Administration	(upto 18.11.2010)
Ms. V. Ramalakshmi	East Asian Studies	(w.e.f. 19.11.2010)
Dr. (Ms.) Preetam Khandelwal	Business Management & Industrial Administration	

**Statute 2(1) (xv) (b)*****Lecturers by rotation according to Seniority***

Dr. O.P. Sharma	Law Centre-II	(upto 07.03.2010)
Dr. Mahavir Kalon	Law Centre-II	(w.e.f. 06.04.2010)
Shri Param Jit	East Asian Studies	
Dr. Indira Narain Singh	Buddhist Studies	
Shri Sunil Kumar Gupta	Campus Law Centre	(upto 25.12.2010)
Dr.(Ms.) Pinki Sharma	Law Centre-II	(w.e.f. 26.12.2010)
Shri Rajender Kumar	Persian	

**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 Rajeev Saxena	(w.e.f. 21.05.2010)
Shri Som Dutta Sharma	
Shri Jitendra Sharma	
Shri Naresh Kumar Beniwal	
Shri Ram Narain Vats	
Dr. Khem Singh Bhati	
Shri Vikas Mahotra	
Ms. Shobana Takiar	

**Statute 2(1) (xviii)*****Representing Industry and Commerce***

Shri Shiv Shankar
Shri Ajay Kumar
Sh. Sandeep Narula

Sh. Anurag Shokeen  
Sh. Sudhanva Deshpande  
Sh. Sh. Anil Parashar

**Statute 2(1) (xix)**  
***Representatives of Legislature***

Shri Sandeep Dikshit  
Shri Arun Jaitley  
Shri Nishikant Dubey

**Statute 2(1)(xx)**  
***Representing of Metropolitan Council***

Shri Ramakant Goswami  
Shri Anil Bhardwaj

**Statute 2(1) (xxi)**  
***Representing Municipal Corporation***

Shri Raj Khurana 24, Gujranwala Town, Part-II Delhi-110070	Shri Jagdish Mamgain A96, IInd Floor, Jawahar Park Deoli Road, Khanpur, New Delhi-110062
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**Statute 2(1) (xxii)**  
***Nominated Members of Central Board of Secondary Education***

Shri Vineet Joshi  
Chairman (Officiating)

**Statute 2(1) (xxiii) (a)**  
***Nominated by the Visitor***

Prof. Y.S. Rajan Dr. Ramdas M. Pai Dr. Isher Judge Ahluwalia	Shri Rajendra S. Pawar Dr. K.N. Patil
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**Statute 2(1) (xxiii) (b)**  
***Nominated by Chief Rector***

Dr. D.K. Bandyopadhyay

**Statute 2(1) (xxiii) (c)**  
***Nominated by Chancellor***

Professor Mrinal Miri  
Professor Roop Rekha Verma

## THE EXECUTIVE COUNCIL

<b>Statute 5(1) (i)</b> <b><i>Vice-Chancellor</i></b> Professor Deepak Pental Professor Dinesh Singh	(upto 29.10.2010) (w.e.f. 29.10.2010)
<b>Statute 5(1) (ii)</b> <b><i>Pro-Vice-Chancellor</i></b> Professor S.K. Tandon Professor Vivek Suneja	(upto 22.08.2010) (w.e.f. 07.12.2010)
<b>Statute 5(1) (iii)</b> <b><i>Dean of Colleges</i></b> Professor (Ms.) Nayanjot Lahiri Professor Sudhish Pachauri	(upto 07.12.2010) (w.e.f. 07.12.2010)
<b>Statute 5(1) (iv)</b> <b><i>Director, South Delhi Campus</i></b> Professor Dinesh Singh Professor Umesh Rai	(upto 28.10.2010) (w.e.f. 07.12.2010)
<b>Statute 5(1) (v)</b> <b><i>Director, Campus of Open Learning</i></b> Dr. Savita M. Datta	
<b>Statute 5(1) (vi)</b> <b><i>Treasurer</i></b> Ms. Janaki Kathpalia	
<b>Statute 5(1) (vii)</b> <b><i>Proctor</i></b> Professor Gurmeet Singh Professor Harinder Pal Singh	(upto 06.12.2010) (w.e.f. 07.12.2010)
<b>Statute 5(1) (viii)</b> <b><i>Deans of the Faculties</i></b>	
Science	Professor Rup Lal (upto 08.06.2010) Professor (Ms.) I Usha Rao (w.e.f. 09.06.2010)
Arts	Professor M.M. Agrawal (upto 11.07.2010) Professor H.S. Prasad (w.e.f. 06.07.2010)
Social Sciences	Professor Rajni Palriwala (upto 22.07.2010) Professor (Ms.) Nandini (w.e.f. 23.07.2010) Sundar
Applied Social Sciences & Humanities	Professor (Ms.) Rashmi Aggarwal

**Statute 5(1) (ix)**

***Principals***

Dr. V.K. Vijayan

(upto 16.03.2011)

Dr. Satnam Kaur

(upto 14.06.2010)

Dr. Pratibha Jolly

(w.e.f. 15.06.2010)

Dr. S.K. Garg

**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***

Professor Asis Datta

Dr. K.B. Patil

**Statute 5(1) (xiii)**

***Chancellor's Nominee***

Shri Javid Choudhary

**THE ACADEMIC COUNCIL**

**Statute 7(1) (i)**

***Vice-Chancellor***

Professor Deepak Pental

(upto 29.10.2010)

Professor Dinesh Singh

(w.e.f. 29.10.2010)

**Statute 7(1) (ii)**

***Pro-Vice-Chancellor***

Professor S.K. Tandon

(upto 22.08.2010)

Professor Vivek Suneja

(w.e.f. 07.12.2010)

**Statute 7(1) (iii)**

***Dean of Colleges***

Professor (Ms.) Nayanjot Lahiri

(upto 07.12.2010)

Professor Sudhish Pachauri

(w.e.f. 07.12.2010)

**Statute 7(1) (iv)****Director, South Delhi Campus**

Professor Dinesh Singh

(upto 28.10.2010)

Professor Umesh Rai

(w.e.f. 07.12.2010)

**Statute 7(1) (v)****Director, Campus of Open Learning**

Dr. 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	(upto 11.07.2010)
		Professor H.S. Prasad	(w.e.f. 06.07.2010)
<i>Science</i>	:	Professor Rup Lal	(upto 08.06.2010)
		Professor(Ms.) I. Usha Rao	(w.e.f. 09.06.2010)
<i>Social Sciences</i>	:	Professor Rajni Palriwala	(upto 22.07.2010)
		Professor(Ms.) Nandini	(w.e.f. 23.07.2010)
<i>Law</i>	:	Professor S.N. Singh	(upto 30.06.2010)
		Professor Gurdip Singh	(w.e.f. 01.07.2010)
<i>Management Studies</i>	:	Professor K. Mamkootam	
<i>Mathematical Sciences</i>	:	Professor P.K. Kapoor	(upto 03.08.2010)
		Professor Bal Kishan Das	(w.e.f. 04.08.2010)
<i>Medical Sciences</i>	:	Professor (Ms.) Kiran Mishra	(upto 19.10.2010)
		Professor Jolly Rohtagi	(w.e.f. 20.10.2010)
<i>Music &amp; Fine Arts</i>	:	Professor (Ms.) Anjali Mittal	(upto 08.07.2010)
		Professor(Ms) Anupam Mahajan	(w.e.f. 09.07.2010)
<i>Technology</i>	:	Professor Ashutosh Trivedi	
<i>Ayurvedic and Unani</i>	:	Dr. Abdul Hafeez	(upto 14.09.2010)
<i>Medicine</i>	:	Dr.(Ms.) Nuz Hat Ishtiaq	(w.e.f. 15.09.2010)
<i>Education</i>	:	Professor Anita Rampal	
<i>Inter-Disciplinary and Applied Sciences</i>	:	Professor Avinashi Kapoor	
<i>Applied Social Sciences and Humanities</i>	:	Professor (Ms.) Rashmi Aggarwal	
<i>Commerce &amp; Business</i>	:	Professor Sanjay Sehgal	(upto 08.07.2010)
		Professor I.M. Pandey	(w.e.f. 18.05.2011)



**Statute 7(1) (viii)*****Heads of the Departments***

Professor Sumanyu Satpathy	English	
Professor M.M. Agarwal	Sanskrit	upto 05.07.2010
Professor Mithilesh Kumar Chaturvedi	Sanskrit	w.e.f. 06.07.2010
Professor Ashok Vohra	Philosophy	upto 30.04.2010
Professor H.S. Prasad	Philosophy	w.e.f. 01.05.2010
Professor Vibha Maurya	Germanic & Romance Studies	upto 31.01.2011
Professor Kusum Agarwal	Germanic & Romance Studies	w.e.f. 01.02.2011
Dr. Rakesh Kumar Bhatt	Library & Information Science	upto 04.12.2010
Dr. Paramjeet Kaur Walia	Library & Information Science	w.e.f. 05.12.2010
Professor Sudhish Pachauri	Hindi	upto 12.09.2010
Professor Gopeshwar Singh	Hindi	w.e.f. 13.09.2010
Dr. Syed Ali Karim	Urdu	
Professor P.C. Patnaik	M.I.L. & Literary Studies	upto 15.03.2011
Professor A. Mariappan	M.I.L. & Literary Studies	w.e.f. 16.03.2011
Professor K.T.S. Rao	Buddhist Studies	
Professor R.K. Agnihotri	Linguistics	(upto 20.12.2010)
Professor Ramesh Chand Sharma	Linguistics	(w.e.f. 21.12.2010)
Professor Anand Prakash	Psychology	
Dr. Wali Akhtar	Arabic	
Professor (Ms.) Rehana Khatoon	Persian	
Dr. Manjit Singh	Punjabi	
Professor D.S. Kulshrestha	Physics & Astrophysics	(upto 15.11.2010)
Professor R.P. Tandon	Physics & Astrophysics	(w.e.f. 16.11.2010)
Professor V.S. Parmar	Chemistry	(upto 30.04.2010)
Professor A.K. Bakshi	Chemistry	(w.e.f. 01.05.2010)
Professor P.K. Ghosh	Anthropology	(upto 31.12.2010)
Professor S.L. Malik	Anthropology	(w.e.f. 01.01.2011)
Professor Rup Lal	Zoology	(upto 07.11.2010)
Professor Ashok Kumar Singh	Zoology	(w.e.f. 08.11.2010)
Professor I. Usha Rao	Botany	
Dr. (Ms.) Kumud Khanna	Home Science	
Professor V.N. Bajpai	Geology	(upto 10.08.2010)
Professor Talat Ahmad	Geology	(w.e.f. 02.07.2010)
Professor S.S. Agarwal	Pharmacy	
Professor S.N. Singh	Law	(upto 30.06.2010)
Professor Gurdip Singh	Law	(w.e.f. 01.07.2010)
Professor R.C. Jiloha	Psychiatry (MAMC)	(upto 06.01.2011)
Professor M.S. Bhatia	Psychiatry (UCMS)	(w.e.f. 07.01.2011)
Professor N.K. Agarwal	Forensic Medicine (UCMS)	(upto 29.07.2011)
Professor S.K. Verma	Forensic Medicine (UCMS)	(w.e.f. 30.07.2011)

Professor Suneela Garg	Community Medicine (MAMC) (upto 15.02.2010)
Professor Sanjay Chaturvedi	Community Medicine (UCMS) (w.e.f. 16.02.2010)
Professor Amit Banerjee	Surgery (MAMC) (upto 29.10.2010)
Professor P.N. Agarwal	Surgery (MAMC) (w.e.f. 30.07.2010)
Professor Sachin Kumar Jain	Medicine (LHMC) (upto 08.01.2011)
Professor Mukul P. Agarwal	Medicine (UCMS) (w.e.f. 09.01.2011)
Professor (Ms.) Kiran Mishra	Pathology (UCMS)
Professor (Ms.) Neelam Balavaid	Obstat. & Gyna. (MAMC)
Professor Pramod Kumari	Pharmacology (UCMS)
Professor Rama Anand	Radiology (LHMC)
Professor B.D. Banerjee	Medical Bio-Chemistry (UCMS)
Professor Kamlesh Khatri	Anatomy (UCMS) (upto 20.01.2011)
Professor M. Nagar	Anatomy (UCMS) (w.e.f. 01.03.2011)
Professor Ajay Kumar Gupta	Orthopaedics (MAMC)
Professor Aneeta Chakravarty	Medical Microbiology (MAMC)
Professor Savita Singh	Physiology (UCMS) (upto 17.09.2010)
Professor Nilima Shanker	Physiology (UCMS) (w.e.f. 18.09.2010)
Professor (Ms.) Archana Singhal	Dermatology & Venereology (upto 18.06.2010) (UCMS)
Professor (Ms.) Jolly Rohtagi	Ophthalmology (UCMS)
Professor Raj Kumar	Pulmonary Medicine (VPCI)
Professor Anand Prakash Dube	Paediatrics (MAMC)
Professor T.S. Anand	Otolaryngology (LHMC)
Professor Ashok Kumar	Anaesthesiology (UCMS)
Professor Mahesh Verma	Dental Sciences
Professor Anita Rampal	Education
Dr. Narender Kumar	Electrical Engineering (DCE)
Professor Ashutosh Trivedi	Civil Engineering (DCE)
Professor J.R.P. Gupta	Instru. & Control Engg. (NSIT)
Professor B.L. Pandit	Economics (upto 02.08.2010)
Professor Pami Dua	Economics (w.e.f. 12.11.2010)
Professor Saiyid Zaheer Husain Jafri	History (upto 30.06.2010)
Professor Basu Dev Chatterji	History (w.e.f. 06.07.2010)
Professor Sanjay Bhatt	Social Work
Professor Achin Vanaik	Political Science (upto 14.10.2010)
Professor Pradip Kumar Datta	Political Science (w.e.f. 15.10.2010)
Dr. Suresh Kumar	African Studies
Professor Rajni Palriwal	Sociology (upto 22.07.2010)
Professor Nandini Sunder	Sociology (w.e.f. 23.07.2010)
Dr. Barkatullah Khan	Geography
Professor Madhu Bhalla	East Asian Studies (upto 08.07.2010)
Professor Anita Sharma	East Asian Studies (w.e.f. 01.07.2010)

Dean, Faculty of Social Sciences	Adult Continuing Education & Extension	
Professor Anjali Mittal	Music	(upto 08.07.2010)
Professor Anupam Mahajan	Music	(w.e.f. 09.07.2010)
Professor Balkishan Das	Mathematics	
Professor P.K. Kapoor	Operational Research	
Dr. (Ms.) Neelima Gupta	Computer Science	
Professor Jagdish Saran	Statistics	
Professor K. Mamkootam	Business Management & Industrial Administration	
Dr. Abdul Hafeez	Unani Medicine	(upto 14.09.2010)
Dr. Nuz-hat Isthiaq	Unani Medicine	(w.e.f. 15.09.2010)
Dr. K.K. Sijoria	Ayurvedic Medicine	(upto 11.11.2010)
Dr. Rajni Sushma	Ayurvedi Medicine	(w.e.f. 12.11.2010)
Professor Anil Kumar Tyagi	Bio-Chemistry	
Professor Rani Gupta	Microbiology	
Professor B.K. Thelma	Genetics	
Professor M.K. Pandit	Environmental Biology	
Professor Avinashi Kapoor	Electronic Science	
Dean Fac. of Inter-dis. & Appl. Scs.	Bio-Physics	
Professor Anil Grover	Plant Molecular Biology	(upto 28.10.2010)
Professor Indranil Dasgupta	Plant Molecular Biology	(w.e.f. 29.10.2010)
Professor D.K. Kansal	Physical Education	
Professor Rashmi Aggarwal	Business Economics	
Professor R.K. Nagpal	Slavonic & Finno Ugrian Studies	(upto 29.01.2011)
Professor Ranjana Saxena	Slavonic & Finno Ugrian Studies	(w.e.f. 30.01.2011)
Professor K.V. Bhanumurthy	Commerce	
Professor Sanjay Sehgal	Financial Studies	(upto 08.07.2010)
Professor I.M. Pandey	Financial Studies	(w..f. 09.07.2010)
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	(upto 11.02.2011)
Professor Jagdish Saran	Physics & Astrophysics	(w.e.f. 03.03.2011)
Professor Harish Kumar Trivedi	English	(upto 31.01.2011)
Professor P.K. Ghosh	Anthropology	(w.e.f. 01.02.2011)
Professor Gopa Bhardwaj	Psychology	
Professor V.S. Parmar	Chemistry	
Professor V.K. Bhasin	Zoology	
Professor Malashri Lal	English	

**Statute 7(1) (ix) (b)*****Professor from the Faculty of Medical Sciences***

Professor A.T. Kanon	UCMS	(upto 27.12.2010)
Professor Sarla R. Aggarwal	UCMS	(w.e.f. 28.12.2010)

**Statute 7(1) (ix) (c)*****Professor from the Faculty of Technology***

Professor Raj Senani	Electrical Engineering
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**Statute 7(1) (x)*****Principals of Colleges***

Dr. P.C. Jain	Shri Ram College of Commerce	(upto 02.10.2009)
Dr. M.S. Rawat	Delhi College of Arts & Commerce	(w.e.f. 03.10.2010)
Dr. Sunil Sondhi	Maharaja Agrasen College	
Dr. Savithri Singh	Acharya Narendra Dev College	(upto 02.10.2010)
Dr. S.K. Kundra	Swami Shardhanand College	(w.e.f. 03.10.2010)
Dr. Inderjeet	College of Vocational Studies	(upto 02.10.2010)
Dr. Vijay Kr. Sharma	Ram Lal Anand College	(w.e.f. 03.10.2010)
Dr. Inderjeet Singh Bakshi	Dyal Singh College	(upto 21.03.2011)
Dr.(Ms.) P. Hemlatha Reddy	Sri Venkateswara College	(w.e.f. 24.03.2011)
Dr. Guljit K. Arora	B.R. Ambedkar College	(upto 21.03.2011)
Dr.(Ms.) Anula Maurya	Kalindi Collge	(w.e.f. 24.03.2011)
Dr. M.K. Razdan	Shyam Lal College	(upto 20.11.2010)
Dr. G.P. Aggarwal	Shyam Lal College (Eve.)	(w.e.f. 21.11.2010)
Dr. S.P. Aggarwal	Deshbandhu College	
Dr. Jaswinder Singh	S.G.T.B. Khalsa College	(upto 02.10.2010)
Dr. Valson Thampu	St. Stephen's Collge	(w.e.f. 03.10.2010)
Dr. Vijay Laxmi Pandit	Rajdhani College	(upto 02.10.2010)
Dr.(Ms.) Poonam Verma	Shaheed Sukhdev College of Business Studies	(w.e.f. 03.10.2010)
Dr. Jai Prakash	Bhaskaracharya College of Applied Science	
Dr. O.P. Kalra	Univ. College of Med. Sc.	
Dr. Kanan Nanda	Daulat Ram College	(upto 07.09.2010)
Dr.(Ms.) Purabi Saokia	Bhagini Nivedita College	(w.e.f. 08.09.2010)
Dr. (Ms.) Manmohan Kaur	SGND Khalsa College	
Dr. Jatinder Bir Singh	S.G.G.S College of Commerce	

**Statute 7(1) (xi)*****Dean Students' Welfare***

Professor S.K. Vij		(upto 28.02.2011)
Professor J.M. Khurana		(w.e.f. 01.03.2011)

**Statute 7(1) (xii)**

***University Teachers' Representatives***

Dr. Sanjay Tyagi  
Dr. Aruna Chikara  
Ms. Meena  
Dr. Rakesh Kumar  
Shri Sanjay Verma  
Shri Sheo Dutt  
Dr. Anurag Mishra  
Shri Vijay Singh  
Dr. Arun Kumar  
Shri Dhani Ram  
Shri D.V. Singh  
Dr. (Ms.) Vijaya Venkatraman  
Shri Ashok Kumar Singh  
Dr. Jagbir Singh  
Dr. B.L. Sharma

**Statute 7 (1) (xiv)**

***Co-opted Members***

Professor K.C. Upadhyay  
Professor Gagan Pratap

**THE FINANCE COMMITTEE**

**Statute 10-A(i)**

***Vice-Chancellor***

Professor Deepak Pental  
Professor Dinesh Singh

*Chairman*  
*Chairman*

*(upto 29.10.2010)*  
*(w.e.f. 29.10.2010)*

**Statute 10-A(ii)**

***Pro-Vice-Chancellor***

Professor S.K. Tandon  
Professor Vivek Suneja

*(upto 22.08.2010)*  
*(w.e.f. 07.12.2010)*

**Statute 10-A(iii)**

***Nominated by the Visitor***

Shri Sunil Kumar  
Shri S.K. Ray

**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>
Dr. Shah Nawaj	Asso. Prof.	22.11.2010

### **Appointments**

<i>Name</i>	<i>Department</i>	<i>Date of joining</i>
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### **Professor**

Prof. I.M. Pandey	Financial Studies	05.04.2010
Prof. Vinay Lal	History	07.04.2010
Prof. C.P. Gupta	Financial Studies	15.06.2010
Prof. Seema Alvi	History	01.07.2010
Prof. Ramesh C. Bhardwaj	Sanskrit	18.10.2010
Prof. Suresh Chand Aggarwal	Business Economics	29.10.2010
Prof. Shashi Prabha Kumar	Sanskrit	30.11.2010
Professor Surinder Kumar	Business Economics	01.02.2011

### **Assistant Professor**

Dr. Baidik Bhattacharya	English	07.04.2010
Dr. Ajay Kumar Yadav	A.C.B.R.	13.04.2010
Dr. Ram Kuntal Hazra	Chemistry	15.04.2010
Dr. Gyan Prakash Sharma	Environmental Biology	15.04.2010
Dr. Farzana Afridi	Economics	15.04.2010
Dr. Kaustav Datta	Genetics	29.04.2010
Dr. Sanjay Kumar Chamoli	Physics & Astrophysics	18.05.2010
Dr. Anand Sarkar Sengupta	Physics & Astrophysics	21.05.2010
Dr. Swati Diwakar	Environmental Biology	31.05.2010
Dr. Sasanka Deka	Chemistry	01.06.2010
Dr. Manish Kumar	Bio-Physics	01.06.2010
Dr. Laishram R. Singh	A.C.B.R.	07.07.2010
Dr. Gopilaiah Kovuru	Chemistry	08.07.2010
Dr. Girish Mishra	Botany	09.07.2010
Dr. Devki Nandan Gupta	Physics	12.07.2010
Dr. Ashutosh Bhardwaj	Physics	15.07.2010
Dr. Sandeep Kaur	Chemistry	27.07.2010
Dr. Sourin Das	Physics	05.08.2010
Dr. Manisha Yadav	A.C.B.R.	27.08.2010
Dr. Firasat Hussain	Chemistry	31.08.2010
Dr. Ramendra Pratap	Chemistry	30.09.2010

Dr. Garima Gupta	Fac. of Management Stu.	20.10.2010
Dr. Dinesh	Psychology	22.10.2010
Dr. Alka Bajpai	Psychology	01.11.2010
Dr. Mahima Thakur	Fac. of Management Stu.	01.11.2010
Dr. Kumar Ranjan Bhushan	Chemistry	10.11.2010
Dr. Rajesh Dev	Political Science	12.11.2010
Dr. Sakthivel Ayyamperumal	Chemistry	22.11.2010
Dr. Anjala Kalsie	Fac. of Management Stu.	26.11.2010
Dr. Mollica Dastidar	Political Science	07.12.2010
Dr. Mohinder Singh	Political Science	07.12.2010
Dr. Nasreen Choudhary	Political Science	31.12.2010
Dr. Sohini Guha	Political Science	03.01.2011
Dr. Ajit Kumar Mahapatro	Physics	04.01.2011
Dr. Devika Sharma	Political Science	10.01.2011
Dr. Smarajit Trimark	Physics	03.03.2011

***Associate Professor***

Dr. Bhartendu Pandey	Sanskrit	22.10.2010
Dr. Meera Diwadi	Sanskrit	25.10.2010

***Retirement after attaining the Age of 65 years***

<i>Name</i>	<i>Department</i>	<i>Date of Retirement</i>
Prof. N.K. Kaushik	Chemistry	(31.05.2010)
Prof. G.L. Pandit	Philosophy	(31.05.2010)
Prof. S.C. Arora	Mathematics	(31.05.2010)
Prof. A.K. Maurya	Slavonic & Finno-Ugrian Studies	(30.06.2010)
Prof. Y.P. Singh	Commerce	(31.07.2010)
Prof. M.M. Aggarwal	Sanskrit	(31.07.2010)
Prof. S.N. Singh	Law Centre-II	(31.07.2010)
Prof. S.K. Tandon	Geology	(31.08.2010)
Prof. Sneha Lata Tandon	Social Work	(30.09.2010)
Prof. Surender Nath	Anthropology	(30.09.2010)
Prof. Manju Lata Aggarwal	Operational Research	(30.09.2010)
Prof. Vijayanand Sharma	Geology	(31.10.2010)
Prof. Najma Parveen Ahmad	Music	(31.10.2010)
Sh. S.L. Maini	Law Centre-I	(31.10.2010)
Prof. B.L. Pandit	Economics	(30.11.2010)
Prof. R.K. Agnihotri	Linguistics	(31.12.2010)
Prof. R.K. Nagpal	Slavonic & Finno-Ugrian Studies	(31.01.2011)



Prof. S.K. Vij	Slavonic & Finno-Ugrian Studies	(28.02.2011)
Prof. K.N. Tripathi	Electronic Science	(28.02.2011)
Prof. A. S. Narag	Fac. of Management Studies	(31.03.2011)

### **Resignation**

<i>Name</i>	<i>Department</i>	<i>Date</i>
Prof. Vachaspati Upadhyaya	Sanskrit	05.04.2010
Dr. Tomy Philip	Social Work	24.04.2010

### **Study Leave/Extra-Ordinary Leave/Special Leave, etc.**

<i>Name</i>	<i>Department</i>	<i>Date</i>
Dr. Vandana Saxena	Education	16.07.2010
Dr. Anuradha Veeravali	Philosophy	01.08.2010
Dr. S.K. Awasthi	Chemistry	16.07.2010
Dr. Pradyot Kanti Hazra	Computer Science	22.07.2010
Dr.(Mrs.) Alka Chawla	Campus Law Centre	11.04.2010
Mr. Girish Kumar J.	Law Centre-I	29.08.2010
Dr. Rita Brara	Sociology	22.07.2010
Ms. Abha Shukla	Commerce	01.09.2010
Dr. Manoj Kumar Jha	Social Work	01.09.2010
Sh. Ramesh Kumar	Germanic & Romance Stu.	01.09.2010
Dr. Shobh Sinha	Education	01.09.2010
Ms. Sunanda Bharti	Law Centre-I	22.01.2011
Dr. Deepak Mehta	Sociology	01.01.2011
Dr. A. Vnkatraman	Fac. of Mgt. Studies	17.01.2011
Dr. Subhendhu Ghosh	Bio-physics	09.09.2010
Prof. Uday Kumar	English	01.05.2010
Prof. Rohini Somanathan	Economics	01.09.2010
Prof. Avinash Khare	Physics & Astrophysics	21.07.2010
Dr. Anju Vali Tikoo	Law Centre-I	02.07.2010
Dr. Ira Raja	English	01.09.2010
Dr. Satyaki Bhattacharya	Physics & Astrophysics	04.01.2011
Mrs. T.S. Raji	Music	02.07.2010
Dr. Tarkeshwar Gupta	Chemistry	12.08.2010
Dr. Tharanikkarasu Kanaan	Chemistry	01.09.2010
Dr.(Ms.) Neera Bharihoke	Law Centre-I	16.08.2010
Dr.(Ms.) Honey Oberoi Vahili	Psychology	01.08.2010
Prof. Ravinder Gargesh	Linguistics	01.09.2010
Prof. Dilip Mahdavi Menon	History	30.08.2010

Prof. Ashok Nagpal	Psychology	01.09.2010
Dr.(Mrs.) Gitanjali Nain Gill	Campus Law Centre	08.11.2010
Sh. Kumar Abhay	Statistics	01.09.2010
Dr. Aradhana Aggarwal	Business Economics	01.11.2010
Dr. Prabhu Prasad Mohapatra	History	01.10.2010
Prof. Vijay Kapur	Fac. of Mgt. Studies	02.06.2010
Dr. Shahin Sultana	Social Work	06.02.2010
Dr. Ram Singh	Economics	01.02.2011
Dr. V. Ravichandran	Mathematics	01.01.2011
Prof Satish Deshpande	Sociology	01.02.2011
Dr. Gail Coelho	Linguistics	01.03.2011
Prof. Vinay Kumar Srivastava	Anthropology	10.03.2011
Dr. Harish Trivedi	English	28.03.2011

### **Visiting Professors/Lecturers /Fellows**

<i>Name</i>	<i>Department</i>	<i>Date</i>
Prof. S.M. Talha Rizvi	Urdu	25.08.2010
Dr. Tabish Kmair	English	28.07.2010
Prof. Rajeshwari Sundar Rajan	English	15.01.2011
Prof. P.C. Bhowmik	CEMDE	
Dr. Saikat Majumdar	English	02.08.2010
Prof. Simran Gupta	English	01.09.2010
Dr. Subash Bhalla	Computer Science	01.09.2010
Prof. Gauri Viswanathan	English	20.01.2011
Prof. Dieter Riemanschneider	English	18.09.2010
Prof. Survi Kaul	English	20.11.2010
Prof. Michael Levenson	English	05.02.2011
Dr. Heidi Marilon	Philosophy	01.01.2011
Mr. Tersea Simos Cabodevilla	Germanic & Romance Stu.	29.07.2010
Mr. Susana Margauela Concalves de Carvalhe Sousa	Germanic & Romance Stu.	29.07.2010
Sh. Paranyoy Guha Thakur	Political Science	
Dr. Sanjay Roy	Sociology	02.11.2010
Dr. Manisha Rao	Sociology	15.11.2010
Mr.Ovidiu Ivancu	Germanic & Romance Stu.	14.10.2010
Prof. S.K. Pathak	Buddhist Studies	01.12.2010
Prof. M.K. Das	Buddhist Studies	01.02.2011
Prof. Joseph Wronka	Sociology	03.01.2011
Dr. Carmen Ulrich	Germanic & Romance Stu.	04.01.2011
Prof. Lawrance Cohen	Sociology	03.01.2011
Dr. A.R. Vasavi	Sociology	31.01.2011
Dr. Adrain Pable	English	26.02.2011

Dr. Milind Wakankar	English	20.03.2011
Dr. Vibha Joshi Parkin	Sociology	24.01.2011
Prof. D.K. Chakraborti	Buddhist Studies	01.02.2011
Dr. Bhuvan Chandan	Buddhist Studies	01.02.2011
Dr. Jose F. Dardo Reci	Germanic & Romance Studies	
Dr. (Ms.)Radegundis Stalze	Germanic & Romance Studies	
Dr. Cacilia M.T. Lopez Badano	Germanic & Romance Studies	
Dr. Gregony M. Kapfhammar	Computer Science	
Dr. Marino Alberto Balducci	Germanic & Romance Studies	

## NON-TEACHING STAFF

### ***Obituaries***

<i>Name</i>	<i>Designation</i>	<i>Date of Expiry</i>
Ms. Uma Rani Ohri	Section officer	27.05.2010
Shri Govind Ram Sharma	Assistant	26.06.2010
Shri Manoj Kashyap	Junior Assistant	27.06.2010
Ms. Sunita Sharma	Senior Assistant	16.10.2010
Shri C.B. Singh	Yoga Organiser	02.12.2010
Shri Om Prakash	Junior Assistant	06.01.2011
Shri Silak Ram	Assistant	09.02.2011
Shri Ramvir Sharma	Office Attendant	12.07.2010
Shri Ram Diya	Security Guard	21.07.2010
Shri Khetu Ram	Daftry	31.10.2010
Shri Mange Ram	Driver	29.11.2010
Shri Man Mohan Singh	Driver	21.02.2010
Shri Kundal Lal	Field Attendant	19.04.2010
Shri Sunil Kumar	Drasser	17.06.2010
Shri R.K. Pandey	Laboratory Assistant	15.08.2010
Shri Net Ram	Labourer	09.03.2011

### ***Appointments***

<i>Name</i>	<i>Designation</i>	<i>Date of Joining</i>
Shri Chander Mohan	Laboratory Attendant	
Shri Ved Prakash Shukla	Laboratory Attendant	22.12.2010
Shri Sandesh Singh Sanyal	Laboratory Attendant	22.12.2010
Shri M. Manivaran	Beldar	21.10.2010
Shri Ali Ahmed	Beldar	21.10.2010
Shri Gopal Singh	Electric Khalasi	21.10.2010

Shri Amit Varshney	Junior Engineer	14.01.2011
Shri Nitin Kumar	Junior Engineer	17.01.2011
Shri Abhey Joseph Tirkey	Junior Engineer	27.01.2011

### ***Extension of Service***

<i>Name</i>	<i>Designation</i>	<i>Date</i>
Shri V.K. Gulati	Consultant	05.04.2010
Shri Gopal Krishan	Consultant	08.04.2010
Shri T.K. Dhar	Consultant	04.05.2010
Shri S.K. Arora	Consultant	02.06.2010
Shri Surjeet Singh	Consultant	05.04.2010
Shri P.K. Bose	Consultant	04.10.2010
Shri D.C. Goel	Consultant	04.11.2010
Shri Vijay Pal Verma	Consultant	04.01.2011
Dr. R.K. Garg	Advisor-Exams.	17.02.2011
Prof. Kanwar Sen	Advisor-Exams.	17.02.2011
Shri Jeet Bahadur Mal	Havildar	
Shri Raghubir Singh	Havildar	
Shri Surinder Pal Makkar	Professional Assistant	02.07.2010
Ms Shashi Kanta	Professional Assistant	22.12.2010
Shri Jai Singh	Professional Assistant	23.12.2010
Ms. Lata Bhardwaj	Professional Assistant	02.02.2011
Ms. Kusum Batra	Professional Assistant	31.01.2011
Shri Raghuvir Singh-III	Semi Professional Assistant	02.12.2010
Shri Munishwar Nath	Semi Professional Assistant	04.01.2011

### ***Retirement***

<i>Name</i>	<i>Designation</i>	<i>Date of Retirement</i>
Shri Praveen Sethi	Section Officer	06.04.2010
Shri Dharam Singh	Assistant	30.04.2010
Shri T.K. Dhar	Assistant Registrar	30.04.2010
Shri B.D. Verma	Section Officer	30.04.2010
Ms. Sudershan Monga	Sr. Assistant	30.04.2010
Ms. Kamlesh Nanda	Assistant	31.05.2010
Shri Inderjeet Rai	Assistant	31.05.2010
Shri Leela Paswan	Section officer	31.05.2010
Shri S.K. Arora	Section officer	31.05.2010
Shri Rajinder Singh	Assistant	31.07.2010
Shri Ramesh Kumar	Section Officer	31.07.2010
Shri B.M. Taneja	Section Officer	31.07.2010
Shri B.S. Bhatia	Sr. Assistant	31.07.2010

Shri S.N. Katiyar	Deputy Registrar	31.08.2010
Ms. Manjushri Majumdar	Section Officer	31.08.2010
Ms. Usha Gupta	Section Officer	31.08.2010
Shri Budhi Lal	Section officer	31.08.2010
Ms. Pushpa Dua	Assistant	30.09.2010
Shri M.M. Malhotra	Junior Assistant	30.09.2010
Shri P.K. Bose	Section Officer	30.09.2010
Ms. Shakuntla Bhatia	Assistant	31.10.2010
Ms. Dinesh Kumari	Assistant	31.10.2010
Shri Ashok Kumar	Senior Assistant	31.10.2010
Shri K.C. Sharma	Senior Assistant	31.10.2010
Shri Jagdish Chander	Assistant	30.11.2010
Ms. Suman Lata	Section Officer	30.11.2010
Shri Sohan Lal	Assistant	31.12.2010
Shri Ram Singh	Section Officer	31.12.2010
Shri V.P. Verma	Senior Assistant	31.12.2010
Ms. Santosh Manchanda	SPA	31.03.2011
Ms. Nirmal Kapoor	PS	31.01.2011
Ms. Usha Rattan	Section Officer	31.01.2011
Ms. Usha Sharma	Section Officer	31.01.2011
Ms. Kaushalya Rani	Section Officer	31.01.2011
Shri Piar Chand	Section Officer	31.01.2011
Shri B.S. Payal	Assistant	28.02.2011
Shri Chander Singh	PA	28.02.2011
Shri S.K. Luthra	Section Officer	28.02.2011
Shri N.R. Ghai	Section Officer	28.02.2011
Shri S.S. Solanki	Assistant	31.03.2011
Shri A.N. Jha	Section Officer	31.03.2011
Shri Surat Singh	Section Officer	31.03.2011
Shri Surjeet Arora	Section Officer	31.03.2011
Shri Ram Singh	M.O.	30.04.2010
Shri Azad Singh	M.O.	30.04.2010
Shri Daya Chand	Daftry	31.05.2010
Shri Nar Singh Rawat	M.O.	30.06.2010
Shri Iqbal Singh	G.O.	31.08.2010
Ms. Mavis	Office Attendant	31.08.2010
Shri Zile Singh	Safai Karamchari	30.09.2010
Shri Ram Jag	Havildar	30.09.2010
Shri Badri Singh	G.O.	30.09.2010
Shri D.S. Bansal	G.O.	31.10.2010
Shri Partap	Havildar	31.10.2010
Shri Ramu	Sanitary Guide	30.11.2010
Shri Jai Prakash	Sanitary Guide	30.11.2010

Shri Krishan Pal	Sanitary Guide	31.12.2010
Shri Raghbir Singh	Havildar	31.12.2010
Shri Raju	Sanitary Guide	28.02.2011
Shri Om Prakash Pali	G.O.	31.03.2011
Shri Om Prakash Sharma	G.O.	31.03.2011
Shri D.D. Mishra	Professional Assistant	30.04.2010
Shri S.P. Makkar	Professional Assistant	30.06.2010
Ms. Sudesh Mittal	Professional Assistant	30.04.2010
Shri Padam Singh	Library Attendant	31.08.2010
Shri K.K. Sharma	Assistant Librarian	31.08.2010
Shri Komal Singh	SPA	31.10.2010
Shri Jai Singh	Professional Assistant	30.11.2010
Ms. Shashi Kanta	Professional Assistant	30.11.2010
Shri S.K. Arora	Professional Assistant	30.11.2010
Shri Raghbir Singh-III	SPA	30.11.2010
Ms. Suman Bhatiani	Assistant Librarian	31.07.2010
Ms. Kusum Batra	Professional Assistant	31.12.2010
Shri Munishwar Nath	SPA	31.12.2010
Ms. Lata Bhardwaj	Professional Assistant	31.12.2010
Ms. Gullshan Bhardwaj	SPA	31.01.2011
Shri Jai Pal Singh	Library Attendant	28.02.2011
Shri S.P. Majumdar	Librarian	31.12.2010
Shri P. Shankar Ram	Junior Console Operator	01.08.2010

<i>Name</i>	<i>Department</i>	<i>Date of Retirement</i>
Shri Baljore	Sociology	31.03.2011
Shri Balbir Singh	Garden Committee	31.03.2011
Shri Ram Dulare	Management Studies	30.04.2010
Shri J.K. Sharma	Music	30.04.2010
Shri Ratan Bahadur	Physics	30.04.2010
Mrs. Shakuntla Arora	Health Centre	31.05.2010
Shri Jagat Singh	Physics	30.06.2010
Shri Dal Singh	Engineering	30.06.2010
Shri Raj Pal	Enginerring	30.06.2010
Mrs. Mary Thomas	Health Centre	30.06.2010
Shri K.K. Abbasi	Health Centre	31.07.2010
Shri Bhola Dutt	Engineering	31.07.2010
Shri Dal Chand	Anthropology	31.07.2010
Shri K.C. Goswami	Health Centre	31.07.2010
Shri Beg Raj	Botany	31.08.2010
Shri Amarjeet Rooprai	Geology	30.09.2010
Shri Rajeshwar Rai	Botany	30.09.2010

Shri Phirtu	Engineering	30.09.2010
Shri Mange Ram Sharma	Anthropology	30.10.2010
Shri S.K. Vij	Botany	30.10.2010
Shri Sochan Ram	Engineering	30.11.2010
Shri Dalel Singh	Health Centre	31.12.2010
Shri Jaspal Singh	Engineering	31.12.2010
Shri Sohan Lal	Engineering	31.12.2010
Shri Balram Singh	Geology	31.12.2010
Shri Chander Pal	Botany	31.01.2011
Shri Achhey Lal Singh	Physics	31.01.2011
Shri Inderjeet Arora	Physics	31.01.2011
Shri Balram Mishra	Chemistry	31.01.2011
Shri K.S.B. Sinha	Linguistics	31.03.2011
Shri Prem Chand	Guest House	31.03.2011

## ***MEMBERS OF THE FACULTIES***

### **ARTS**

#### **Statute 9(3) (i)**

##### ***Dean***

Professor H.S. Prasad

#### **Statute 9(3) (ii)**

##### ***Heads of the Departments***

Dr. Wali Akhtar	Arabic
Professor Sumanyu Satpathy	English
Professor Gopeshwar Singh	Hindi
Dr. Manjit Singh	Punjabi
Professor K.T.S. Sarao	Buddhist Studies
Professor (Ms.) Kusum Aggarwal	Germanic & Romance Studies
Dr.(Ms.) P.K. Walia	Library & Information Sciences
Professor H.S. Prasad	Philosophy
Professor Mithilesh Kr. Chaturvedi	Sanskrit
Professor Rehana Khatoon	Persian
Professor A. Mariappan	MIL & LS
Professor Anand Prakash	Psychology
Professor T.A. Khan	Urdu
Professor Ramesh Chand Sharma	Linguistics



**Statute 9(3) (iii)*****All Professors of the Departments***

Professor M.N. Khan	Arabic
Professor Bhikshu Satyapala	Buddhist Studies
Professor S. Chakraborti	English
Professor Harish Trivedi	English
Professor Sambudha Sen	English
Professor Udaya Kumar	English
Professor Malashri Lal	English
Professor Alok Rai	English
Professor Shormistha Panja	English
Professor (Ms.) Shashwati Mazumdar	Germanic & Romance Studies
Professor Vibha Maurya	Germanic & Romance Studies
Professor Ramesh Kr. Gautam	Hindi
Professor Apoorvanand Jha	Hindi
Professor Hari Mohan Sharma	Hindi
Professor Mohan	Hindi
Professor Prem Singh	Hindi
Professor Seoraj Singh Bechan	Hindi
Professor S.P. Singh	Library & Information Science
Professor R. Gargesh	Linguistics
Professor Tista Bagchi	Linguistics
Professor P.C. Pattnaik	MIL & Literary Studies
Professor Nandita Basu	MIL & Literary Studies
Professor S.B.F. Husaini	Persian
Professor Chander Shekhar	Persian
Professor (Ms.) Vibha Chaturvedi	Philosophy
Professor Ashok Vohra	Philosophy
Professor N. Mukherjee	Philosophy
Professor (Ms.) Ashum Gupta	Psychology
Professor N.K. Chadha	Psychology
Professor Ashok Nagpal	Psychology
Professor G. Mishra	Psychology
Professor Nandita Babu	Psychology
Professor (Ms.) Gopa Bhardwaj	Psychology
Professor (Ms.) Kuljit Shellie	Punjabi
Professor Dipti S. Tripathi	Sanskrit
Professor R.C. Bhardwaj	Sanskrit
Professor Shakuntla Punjani	Sanskrit
Professor Shashi Prabha	Sanskrit
Professor Sharda Sharma	Sanskrit
Professor M.N. Kamal	Urdu
Professor S.A. Karim	Urdu

**Statute 9(3)(iv)*****One Reader and one Lecturer by Rotation according to Seniority***

Dr. Naimul Hasan	Arabic
Dr. Hirapaul Gangnegi	Buddhist Studies
Dr. Indira Narain Singh	Buddhist Studies
Dr. Gautam Chakravarty	English
Ms. Asha Kohli	Kamla Nehru College
Dr. (Ms.) Ira Raja	English
Dr. M.S. Joshi	Germanic & Romance Studies
Dr. (Ms.) Maneesha	Germanic & Romance Studies
Dr. Mukesh Garg	Hindi
Ms. Sneh Lata	Hindi
Dr. (Ms.) Gail Coelho	Linguistics
Ms. Mamta	Linguistics
Dr. Shailendra Kumar	Library & Information Science
Sh. Kanwar Pal Singh	Library & Information Science
Dr. G. Rajgopal	MIL & Literary Studies
Shri T.S. Satyanath	MIL & Literary Studies
Dr. Allaudin Shah	Persian
Dr. Aleem Ashraf Khan	Persian
Dr. Anuradha Veeravali	Philosophy
Dr. Shashi Motilal	Philosophy
Mr. Eric Soreng	Psychology
Dr. Kulvir Gojra	Punjabi
Dr. Om Nath Bimli	Sanskrit
Dr. Purnima Kaul	Sanskrit
Dr. Ali Javed	Urdu
Dr. Md. Kazim	Urdu

**Statute 9(3) (v)*****One Teacher from each College by Rotation according to Seniority***

Ms. Tripta	Aditi Mahavidyalaya
Ms Manjula Sholapurkar	A.R.S.D. College
Dr. (Ms.) Nirmal Kumar	Bharti College
Dr. Geeta Rani Sharma	Bhagini Nivedita College
Dr. (Ms.) Rajni	B.R. Ambedkar College
Dr. B.P. Sharma	College of Vocational Studies
Ms. Uma Alagh	Daulat Ram College
Dr. Jayini Adhayapak	Deen Dayal Upadhyaya College
Dr. Kalpana Gupta	Dyal Singh College
Dr. (Ms.) Anita Bhale	Delhi College of Arts & Commerce
Dr. E. Banerjee	Hansraj College
Ms. Surya Kant jain	Gargi College

Dr. (Ms.) Harish Naval	Hindu College
Ms. M. Saxena	Indraprastha College for Women
Mr. Vinay Vikash	Indira Gandhi Instt. of Physical Ed. & Sports Scs.
Dr. R. Malhotra	Jesus & Mary College
Dr.(Ms.) K. Jain	Janki Devi Memorial College
Ms. N. Chandra	Kalindi College
Dr. (Ms.) Saroj Saxena	Kamala Nehru College
Dr. Mahesh Kumar	Kirori Mal College
Dr. Dimpy Mahanta	Keshav Mahavidyalaya
Ms. P. Puri	Lady Shri Ram College for Women
Dr.(Ms.) Pushpa Gupta	Laxmibai College
Ms. K.R. Shyamala	Maitreyi College
Ms. R. Debabrata	Miranda House
Dr. S. Pandey	Moti Lal Nehru College
Ms. Sangeeta Mittal	Maharaja Agrasen College
Ms. Sukhjit Kaur	Mata Sundri College
Shri Swadesh Sharma	P.G.D.A.V. College
Sh. O.E. Rehman	Ramanujan College
Dr.(Ms.) Sneh Chadha	Ramjas College
Dr. Jagmohan Sharma	Rajdhani College
Ms. R. Venkataraman	Ram Lal Anand College
Sh. C. Chendra Shekhar	Sri Venkateswara College
Dr. Rajinder Kaur	Sri Guru Gobind Singh College of Commerce
Dr.(Ms.) Suman Bala	Shaheed Bhagat Singh College
Shri Novy Kapadia	SGTB Khalsa College
Dr. (Ms.) Shanta Pradhan	Satyawati College
Dr. Manujula Mohan	School of Open Learning
Dr. (Ms.) Saroj Diksha	S.P.M. College for Women
Dr. A.D. Mathur	St. Stephen's College
Dr. R.K. Vasistha	Shivaji College
Dr. Harnake Singh Gill	Sri Guru Nanak Dev Khalasa College
Ms. Sneh Gupta	Sham Lal College
Shri S.K. Chawla	Shri Ram College of Commerce
Shri S.D. Siddiqui	Shri Aurobindo College
Sh. V.K. Khurana	Swami Shraddhanand College
Dr. (Ms.) Vinod Aggarwal	Vivekanand College
Ms. Babli Gupta	Zakir Husain 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 Survinirrit 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 Manager Pandey (Retd.) BD/8A, DDA Flats, Munirka, Delhi-110067.

Professor Feroz Ahmed D-109, Shanti Nagar, Opp. NBC Road, Jaipur, Rajasthan.

Professor Kapil Kapoor 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 I. Usha Rao

### **Statute 9(3) (ii)**

#### ***Heads of Departments***

Professor R.P. Tandon Physics & Astrophysics

Professor A.K. Bakshi Chemistry

Professor I. Usha Rao Botany

Professor A.K. Singh Zoology

Professor S.L. Malik Anthropology

Professor Talat Ahmad Geology

Professor M.K. Pandit Environmental Biology

Dr. (Mrs.) Kumud Khanna Home Science

Professor S.S. Agarwal Pharmacy

Professor B.C. Das A.C.B.R.

**Statute 9(3) (iii)**

***Professors other than Head of the Departments***

**Physics & Astrophysics**

Professor M.P. Srivastava  
Professor A. Mukherjee  
Professor B.C. Choudhary  
Professor Avinash Khare  
Professor S. Annapoorni  
Professor H.P. Singh  
Professor Vinay Gupta  
Professor P.D. Sahare

Professor D.S. Kulshrestha  
Professor Sanjay Jain  
Professor Debejyoti Choudhary  
Professor P. Das Gupta  
Professor K. Sreenivas  
Professor S. Mahajan  
Professor A.G. Vedeshwar  
Professor T.R. Seshdari

***Chemistry***

Professor N.K. Kaushik  
Professor Gurmeet Singh  
Professor V.S. Parmar  
Professor Monika Dutta  
Professor J.M. Khurana  
Professor S.C. Jain  
Professor A.K. Parsad  
Professor Rama Kant

Professor S.M.S. Chauhan  
Professor Pavan Mathur  
Professor R.C. Rastogi  
Professor Rita Kakkar  
Professor M. Kidwai  
Professor R.K. Sharma  
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  
Professor Amar Kumar

***Zoology***

Professor K. Murlidhar  
Professor Rup Lal  
Professor Umesh Rao  
Professor Neeta Sehgal

Professor V.K. Bhasin  
Professor Madan Mohan Chaturvedi  
Professor Rina Chakrabarti  
Professor Vinod Kumar

***Anthropology***

Professor P.K. Ghosh  
Professor S.L. Malik  
Professor P.C. Joshi  
Professor Subhadra Channa  
Professor V. Raghavendra Rao

Professor A.K. Kapoor  
Professor V.K. Srivastava  
Professor (Mrs.) Satwanti Kapoor  
Professor M.P. Sachdeva

## **Geology**

Professor V.N. Bajpai  
Professor Devesh K. Sinha  
Professor A.M. Bhola  
Professor M. Jayananda

Professor J.P. Shrivastava  
Professor C.S. Dubey  
Professor G.V.R. Prasad

## **Pharmacy**

Professor B.P. Srinivasan

### **Statute 9(3) (iv)**

#### ***One Reader and one Lecturer by Rotation according to the Seniority from each Department***

Dr. Dalip Kumar Singh	Zoology
Dr. Dinabandhu Sahoo	Botany
Dr. Somendra Singh	Physics & Astrophysics
Dr. (Mrs.) K.N. Saraswathy	Anthropology
Dr. Berrithung Murry	Anthropology
Dr. Gautam Kumar Kshtria	Anthropology
Dr. K. Tharanikkarasu	Chemistry
Dr. Binay Kumar	Physics & Astrophysics
Dr. Anupam Chattopadhyay	Geology

### **Statute 9(3) (v)**

#### ***One Teacher concerned by Rotation according to Seniority from each College***

Dr. G.K. Prashar	Swami Sharddhanand College
Ms. Jagneet Kaur Anand	Keshav Mahavidhyalaya
Dr. C. Chandrasekhara Rao	Sri Venkateswara College
Dr. Sarita Kumar	Acharya Narendra Dev College
Dr. A. Sehgal	Miranda House
Ms. Sharda Gupta	Institute of Home Economics
Dr. (Mrs.) Komal Kamra	S.G.T.B. Khalsa College
Dr. V.K. Gautam	Deen Dyal Upadhyaya College
Shri B.M. Anand	Shyam Lal College
Dr. Hemant Kumar	Motilal Nehru College
Dr. (Ms.) Rekha Malhotra	Shaheed Rajguru College of Applied Sciences
Dr. (Mrs.) Indira Mohini Tuli	Zakir Hussain College
Dr.(Ms). Sadhna Pandey	Maitreyi College
Parminder Sehgal	Bhagini Nivedita College
Dr. H.L. Lumh	Rajdhani College
Dr. Aprajita Gaur	Kalindi College
Dr. (Ms.) Pravita Kumar	Sri Aurobindo College
Ms. Meenu Aggarwal	Shyama Prasad Mukherji College for Women

Dr. Ravi Khanjeja	Shivaji College
Dr.(Mrs.) Prabha Rakesh	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
Ms. Preeti Goel	School of Open Learning
Dr. A.C. Handa	Hindu College
Dr. M.C. Jain	Hindu 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.
Dr. K.R. Gupta	Professor Padma Vasudevan House No.5, II-V Quarters, New Campus, IIT, Hauz Khas, New Delhi.
Prof. Padma Vasudedvan	Advisor, SGPG, DST(Retd.) H-44-B, Saket, New Delhi.
	H.No.5, II-V, New Campus, IIT, Hauz Khas, New Delhi.

**Statute 9(3) (vii)**

***Nominated by Academic Council***

Dr. Harish	Associate Director, SSPL, Lucknow Road, Delhi.
Professor K.K. Raina	Associate Director, Thapar University, Punjab
Professor C.P. Malik	Director, Life Science, Advisor Academic, Jaipur National University, Jagatpura, Jaipur.
Dr. Adarsh Sharma	Retd. DG NIPCCD, T-273, DLF Qutab Enclave, Phase-III, Gurgaon
Professor Shalina Mehta	Department of Anthropology, Punjab University, Chandigarh.

**LAW**

**Statute 9(3) (i)**

***Dean***

Professor Gurdip Singh

**Statute 9(3)**

Professor Veena Bakshi  
Professor Rajiv Khanna



Professor Ashwani Kumar Bansal  
Professor Usha Razdan  
Professor S.C. Raina  
Professor J.L. Kaul  
Professor Poonam Saxena  
Professor O.P. Sharma  
Hon'ble Justice A.K. Sikri  
Professor V.K. Gupta  
Professor L.R. Singh  
Professor S.K. Bhatnagar  
Professor Chander Shekhar Pillai  
Dr. Kiran Gupta

## MEDICAL SCIENCES

### **Statute 9(3) (i)**

#### ***Dean***

Professor Jolly Rohatgi

### **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
Professor Anita Tuli	Lady Hardinge Medical College

### ***Bio-Chemistry***

Professor Suman Bala Sharma	University College of Medical Sciences
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	Maulana Azad Medical College
Professor Vimal Kishore Gupta	Maulana Azad Medical College
Professor Sanjay Chaturvedi	University College of Medical Sciences
Professor S.K. Bhasin	University College of Medical Sciences
Professor G.K. Ingle	Maulana Azad Medical College
Professor A.T. Kannan	University College of Medical Sciences
Professor Vibha	Lady Hardinge Medical College
Professor S. Nagesh	Lady Hardinge Medical College
Professor Pragati Chhabra	University College of Medical Sciences
Professor A.K. Sharma	University College of Medical Sciences
Professor Kamal Aggarwal	University College of Medical Sciences

### ***DENTAL SCIENCE***

Professor Mahesh Verma	Maulana Azad Medical College
------------------------	------------------------------

### ***Dermatology & V.D.***

Professor Vijay Kumar	Maulana Azad Medical College
Professor Archana Singal	University College of Medical Sciences

### ***Forensic Medicine***

Professor N.K. Aggarwal	University College of Medical Sciences
Professor K.K. Banerjee	University College of Medical Sciences
Professor S.K. Verma	University College of Medical Sciences
Professor A.K. Tyagi	University College of Medical Sciences
Professor Atul Murari	Lady Hardinge Medical College

### ***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 D.V. Gadre	University College of Medical Sciences
Professor Ashwani Kumar	University College of Medical Sciences
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

***Medicine***

Professor M.P. Agarwal	University College of Medical Sciences
Professor S.V. Madhu	University College of Medical Sciences
Professor Rajneesh Avasthi	University College of Medical Sciences
Professor O.P. Kalra	University College of Medical Sciences
Professor S. Dwivedi	University College of Medical Sciences
Professor M.K. Bhatanagar	Lady Hardinge Medical College
Professor Sachin Kumar Jain	Lady Hardinge Medical College
Professor S.K. Sharma	Lady Hardinge Medical College
Professor Naresh Kumar Gupta	Maulana Azad Medical College
Professor P. Kar	Maulana Azad Medical College
Professor Sunil Aggarwal	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 T.S. Anand	Lady Hardinge Medical College
Professor J.K. Sahni	Lady Hardinge Medical College
Professor Arun Kumar Aggarwal	Maulana Azad 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
Professor Arun Goyal	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 Medha Tatke  
Professor M. Chaudhary  
Professor Kiran Mishra

G.B. Pant Hospital  
Lady Hardinge Medical College  
University College of Medical Sciences

### ***Pharmacology***

Professor S.K. Bhattacharya  
Professor A. Ray  
Professor Pramod Kumari  
Professor Navesh Khanna  
Professor Uma Tekur

University College of Medical Sciences  
V.P. Chest Institute  
University College of Medical Sciences  
University College of Medical Sciences  
Maulana Azad Medical College

### ***Physiology***

Professor Savita Singh  
Professor K. Ravi  
Professor Rashmi Babbar  
Professor Ajay Kumar Jain  
Professor Asha Gandhi  
Professor Neelima Shankar  
Professor V.P. Varshney  
Professor S.S. Sircar  
Professor Neelam Vanay

University College of Medical Sciences  
V.P. Chest Institute  
Maulana Azad Medical College  
Maulana Azad Medical College  
Lady Harding Medical College  
University College of Medical Sciences  
Maulana Azad Medical College  
University College of Medical Sciences  
University College of Medical Sciences

### ***Psychiatry***

Professor R.C. Jiloha  
Professor M.S. Bhatia

Maulana Azad Medical College  
University College of Medical Sciences

### ***Pulmonary Medicine***

Professor S.N. Gaur  
Professor Ashok Shah  
Professor S.K. Chhabra  
Professor Raj Kumar

V.P. Chest Institute  
V.P. Chest Institute  
V.P. Chest Institute  
V.P. Chest Institute

### ***Radiology***

Professor J.D. Baruah  
Professor S.K. Bhargava  
Professor Rama Anand  
Professor Anil Kumar Bahadur  
Professor M.K. Narula  
Professor Gopesh Mehrotra

Lady Hardinge Medical College  
University College of Medical Sciences  
Lady Hardinge Medical College  
Maulana Azad Medical College  
Lady Hardinge Medical College  
University College of Medical Sciences

## ***Surgery***

Professor Amit Banerjee	G.B. Pant Hospital
Professor B.K. Jain	University College of Medical Sciences
Professor Sunil Kumar	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

## **Statute 9 (3) (iv)**

### ***One Reader and one Lecturer by Rotation according to Seniority***

#### *Readers*

Dr. J.G. Prasuna	Community Medicine (LHMC)
Dr. Sunil Kumar Sinha	Anaesthesiology (LHMC)
Dr. Romesh Lal	Surgery (LHMC)
Dr. Uma Gaur	Anatomy (LHMC)
Dr. Rafat Ahmad	Bio-Chemistry (UCMS)
Dr. Vinay Kamal	Pathology (MAMC)
Dr. Sunita Mondal	Physiology (LHMC)
Dr. Mohipal Singh	Orthopaedics (UCMS)
Dr. Anil Kumar Mittal	Forensic Medicine (MAMC)
Dr. Anju Seth	Paediatrics (LHMC)
Dr. Malini Shariff	Medical Microbiology (VPCI)
Dr. Usha Kaul Raina	Ophthalmology (MAMC)
Dr. Sumedha Pawa	Radiology (MAMC)
Dr. P.K. Rathore	Otolaryngology (MAMC)
Dr. Rajiv Bhardwaj	Anatomy (UCMS)

#### *Lecturer*

Dr. Amite Pankaj	Orthopaedics (UCMS)
Dr. Vishal Bansal	Physiology (VPCI)
Dr. Renu Chauhan	Anatomy(UCMS)

Dr. Rumpa Saha	Medical Microbiology (UCMS)
Dr. Chander Grover	Dermat. & Venerology (UCMS)
Dr. Varinder Singh	Paediatrics (LHMC)
Dr. Sumita Halder	Pharmacology (UCMS)
Dr. Jai Chand Passey	Otolaryngology (MAMC)
Dr. (Ms.) Yedla Manikya	Obstt. & Gynae. (MAMC)
Dr. Panna Lal	Community Medicine (MAMC)
Dr. Shruti Srivastava	Psychiatry (UCMS)
Dr. Pawanindra Lal	Surgery (MAMC)
Dr. Anupama Tandon	Radiology (UCMS)
Dr. Atul Goel	Medicine (LHMC)
Dr. Sarita Beri	Ophthalmology (LHMC)
Dr. Maitree Pandey	Anaesthesiology (LHMC)
Dr. Madhu Khanna	Tuberculosis(VPCI)

**Statute 9 (3) (vi)**

***Co-Opted Members***

Prof. B.K. Ram	D-18, Hudco Place, New Delhi.
Prof. Abhijeet Bhattacharya	8, Mandakini Apartment, Alknanda, New Delhi.
Prof. K.B. Logani	P-13, Green Park Extension, New Delhi.
Prof. V.K. Jain	Head, Department of Dermatology, Rohtak Medical College, Rohtak
Prof. Neera Aggarwal	L-403, Agrasen Awas, 66, I.P. Extension, Delhi.

**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.
Prof. Renu Saxena	Head, Department of Haematology, AIIMS, New Delhi.
Prof. Vinay Sakhuja	Dean, PGI, Chandigarh, Head, Department of Nephrology, Chandigarh.
Prof. R.K. Sharma	Dean, SGPGI, Lucknow, Rai Barilly Road, Lucknow, U.P.
Prof. P. Julika	Head, Department of Radiotherapy, AIIMS, New Delhi.
Prof. Namita Kalra	Dentistry, UCMS, Delhi.
Prof. L.C. Thakur	Neurologist, UCMS, Delhi.



## AYURVEDIC & UNANI MEDICINE

### **Statute 9(3) (i)**

#### ***Dean***

Dr. Abdul Hafeez

(upto 14.09.2010)

Dr.(Ms.) Nuz-Hat Ishtiaq

(w.e.f. 11.04.2011)

### **Statute 9(3) (ii)**

#### ***Heads of the Departments***

Dr. K.K. Sijoria

Ayurveda

(upto 11.04.2011)

Dr. Abdul Hafeez

Unani

(upto 14.09.2010)

Dr.(Ms.) Nuz-Hat Ishtiaq

Unani

(w.e.f. 15.09.2010)

### **Statute 9(3) (iv)**

#### ***One Reader and one Lecturer by Rotation according to Seniority***

Dr. Rajni Sushma

Dr. Yusuf Jamal

### **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. S.K. Sharma, Advisor, Department of Ayus, Red Cross Building, New Delhi

Dr. Anil Sharma, Govt. Ayurved College, Kurukshetra, Haryana.

Prof. R.D. Thakur, Principal, Govt. Ayurvedic College, Rewa, MP.

Professor Mashkooor Ahmad, Jamia Hamdard, Tuglaqabad, New Delhi.

Dr. Laxman Singh, Institute of Medical sciences, Banaras Hindu University, Varanasi, UP.

## MATHEMATICAL SCIENCES

### Statute 9(3) (i)

#### *Dean*

Professor B.K. Dass

### 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 Tej Bahdur Singh	Mathematics
Professor Ajay Kumar	Mathematics
Professor M.C. Agrawal	Statistics

### Statute 9(3)(iv)

#### *One Reader and one Lecturer by rotation according to seniority*

Mr. Ratikanta Panda	Mathematics
Mr. Kumar Abhay	Statistics
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. Asha G. Shankar	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. Jasvinder Goswami	P.G.D.A.V. College
Dr. (Ms.) S. Gautam	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. Bharati Talwar	Gargi College
Shri N.D. Taneja	Shyam Lal College
Shri Ravi Kr. Srivastava	Swami Sharddhanand College
Ms. Gurinder Kaur	Mata Sundri College for Women
Ms. Indra Chopra	Shaheed Bhagat Singh College
Ms. Charu Khanna	Kalindi College
Ms. Elizabeth Michael	Maitreyi College
Shri Rakesh Yadav	Shivaji College
Ms. Preeti Upreti	Moti Lal Nehru College
Dr. Ratna Dev Sharma	Rajdhani College
Ms. Anita Bakshi	Vivekanand College
Dr. Deba Prasad Sinha	Dyal Singh College
Shri Man Mohan Singh	College of Vocational Studies
Ms. Sudha Arora	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. Roli Bansal	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***

Prof. Rajinder Bhatia, Indian Statistical Institute, New Delhi

Prof. R.K. Sharma, Head, Department of Mathematics, IIT Hauz Khas, New Delhi.

Prof. K. Muralidharan, Department of Statistics, University Baroda, Vadodara.

Prof. Sanjeeva Prasad, Department of Computer Science, IIT, New Delhi.

**Statute 9(3)(vii)*****Nominated by the Academic Council***

Prof. Piyush Chandra, Department of Mathematics, IIT Kanpur (UP)

Prof. Satya Deo Tripathi, Department of Mathematics, Harish Chandra Research Institute, Jhansi, UP.

Prof. Ambat Vijay Kukmar, Department of Mathematics, University of Science and Technology, Cochin.

Prof. C. Rajshekhar Reddy, Department of Statistics, S.V. University, Triupati.

Prof. R.K. Shyamasundar, Senior Professor, J.C. Bose National Fellow School of Technology & Computer Science, Tata Institute of Fundamental Research, Mumba.

**SOCIAL SCIENCES****Statute 9(3) (i)*****Dean***

Professor (Ms.) Nandini Sundar

**Statute 9(3) (ii)*****Heads of the Departments***

Dr. Suresh Kumar	African Studies
Professor Basudev Chatterji	History
Professor P.K. Datta	Political Science
Professor Anita Sharma	East Asian Studies
Professor Pami Dua	Economics
Professor (Ms.) Nandini Sundar	Sociology
Dr. Barkatullah Khan	Geography
Professor Sushma Batra	Social Work

**Statute 9(3) (iii)*****All Professors of the Departments***

Professor Shahid Amin	History
Professor B.D. Chatterjee	History
Professor K.M. Shrimali	History
Professor S.Z.H. Jafri	History
Professor R.C. Thakran	History
Professor (Ms.) N. Lahiri	History
Professor B.P. Sahu	History
Professor T.K.V. Subramanian	History
Professor Upinder Singh	History
Professor Amar Farooqui	History
Professor Mahesh Rangarajan	History
Professor Sunil Kumar	History
Professor Farhat Hasan	History

Professor R.P. Rana	History
Professor Kesavan Veluthat	History
Professor Vinay Lal	History
Professor Seema Alavi	History
Professor Achin Vanaik	Political Science
Professor Bidyut Chakravarty	Political Science
Professor Navnita C. Behra	Political Science
Professor (Ms.) Neera Chandhoke	Political Science
Professor Pradip Kumar Datta	Political Science
Professor Ujjwal Kr. Singh	Political Science
Professor Veena Kukreja	Political Science
Professor Anita Sharma	East Asian Studies
Professor Brij Mohan Tankha	East Asian Studies
Professor Madhu Bhalla	East Asian Studies
Professor Shreemati Chakrabarti	East Asian Studies
Professor Pami Dua	Economics
Professor Pulin B. Nayak	Economics
Professor Partha Sen	Economics
Professor T.C.A. Anand	Economics
Professor Aditya Bhattacharjee	Economics
Professor Sunil Kanwar	Economics
Professor Santosh C. Panda	Economics
Professor Rohini Somanathan	Economics
Professor J.V. Meenakshi	Economics
Professor Ashwini Deshpande	Economics
Professor Sudhir A. Shah	Economics
Professor Nandini Sunder	Sociology
Professor Virginius Xaxa	Sociology
Professor Abhijit Dasgupta	Sociology
Professor Satish Deshpande	Sociology
Professor Rajni Palriwala	Sociology
Professor Tulsi Patel	Sociology
Professor Meenakshi Thapan	Sociology
Professor H. Ramachandra	Geography
Professor Sushma Batra	Social Work
Professor Sanjay Bhatt	Social Work

**Statute 9(3) (iv)**

***One Reader and one Lecturer by Rotation according to Seniority***

Dr. Tribhuwan Prasad	African Studies
Dr. A.S. Yaruigam	African Studies
Dr. Arup Ranjan Banerjee	History
Sh. Vikas Gupta	History
Dr. N. Sukumar	Political Science
Dr. Saroj Giri	Political Science

Dr Ashok Kumar Acharya	Political Science
Dr. (Ms.) Unita Sachidanand	East Asian Studies
Ms. Shreeparna Roy	East Asian Studies
Dr. Abhijit Banerjee	Economics
Dr. Paramjit	Economics
Dr. Radhika Chopra	Sociology
Shri Tilla Kumar	Sociology
Dr. R.B. Singh	Geography
Dr. Ashish Kumar Saha	Geography
Dr. Manoj Kumar Jha	Social Work
Dr. (Ms.) Archana Kaushik	Social Work

**Statute 9(3) (v)**

***One Teacher from each College by Rotation according to Seniority***

Dr. Shivasankara Menon	St. Stephen' College
Dr. S. Sandhir	Kalindi College
Sh. R.M. Bhardwaj	Deen Dyal Upadhyaya College
Ms. Anita Khatri	S.P. Mukherji College
Dr. S.K. Srivastava	Hans Raj College
Ms. G. Amin	Jesus & Mary College
Ms. Suchitra Gupta	Hindu College
Dr. Firdos Anwar	Kirori Mal College
Sh. P.K. Sachdeva	Ramjas College
Ms. Asha Nayyar	Swami Shraddhanand College
Shri S.C. Chibber	Moti Lal Nehru College
Mr. K.K. Anand	A.R.S.D. College
Ms. Neelam Sood	Kamala Nehru College
Ms. Neera Sehgal	Shyam Lal College
Dr.(Ms.) Asha Gupta	Bharti College
Dr. C. Sivasankra Reddy	Sri Venkateshwara College
Ms. Indira Kohli	Maitreyi College
Dr. Devender Kakkar	School of Open Learning
Dr. D.K. Singh	Shivaji College
Ms. Parminder Kaur Nagar	S.G.T.B. Khalsa College
Dr. A.S. Shahid	Zakir Hussain College (Eve.)
Dr. S.B. Jain	Satyawati College
Ms. Punam Dagar nee Rama	Bhagini Nivedita College for Women
Ms. Renu Sethi	Gargi College
Sh. Sangit Kr. Ragi	Maharaja Agrasen College
Dr.(Ms.) Veen Govila	Mata Sundri College
Dr. Devinder Kaur	SGND Khalsa College
Sh. S.R. Oberoi	Rajdhani College
Ms. Amita Hasija	Daulat Ram College

Dr. Subhash Chander Rana  
Dr. Sunder Raman  
Dr. S. Shobika  
Sh. A.K. Tripathy  
Sh. S.K. Taneja  
Ms. V. Mangalnath  
Ms. Dolly Menon  
Ms. Surjit R. Dhillon  
Ms. Anita Mathur  
Ms. Sudershan Mittal  
Ms. Sheela Bajaj  
Ms. Suman Jain  
Sh. V.K. Kaul  
Dr. D. Mirchandani  
Dr. Niranjani Dwivedi  
Dr. Rameshwar Thakur  
Ms. Beena Antony

Sri Aurobindo College (Eve.)  
PGDAV College  
Indraprastha College for Women  
Ramanujan College  
Ram Lal Anand College (Eve.)  
Janki Devi Memorial College  
Lady Shri Ram College  
Shaheed Bhagat Singh College  
Sri Ram College of Commerce  
Vivekanand College  
Delhi College of Arts and Commerce  
Lakshmibai College  
College of Vocational Studies  
Miranda House  
Dyal Singh College  
Bhim Rao Ambedkar College  
Aditi Mahavidyalaya

**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 S.S. Yadav  
Professor V.K. Kaul  
Professor Suresh Aggarwal  
Professor Surender Kumar  
Dr. Ranjana Saxena  
Dr. Deepa Saran  
Dr. Rashmi Joshi  
Dr. Yamini Gupt  
Dr. Rakesh Shahani

Ms. Tarannum Ahmed

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  
Centre of Management Studies, IIT Delhi.

Business Economics

Business Economics

Business Economics

Slavonic & Finno-Ugrian Studies

Business Economics

Slavonic & Finno-Ugrian Studies

Business Economics

Reader, Department of Business Economics,  
B.R. Ambedkar College, University of Delhi

Reader, Shaheed Sukhdev College Business  
Studies University of Delhi

## EDUCATION

### Statute 9(3)(i)

#### *Dean*

Professor Anita Rampal

### Statute 9(3)(ii)

#### *Head of the Department*

Professor Anita Rampal

### Statute 9(3)(iii)

#### *All Professors of the Department*

Professor Krishna Kumar  
Professor Shyam B. Menon  
Professor Bharati Baveja  
Professor Poonam Batra  
Professor Rama Mathew  
Professor Krishna Maitra  
Professor Sadhana Saxena  
Professor Namita Ranganathan  
Professor Gaysu R. Arvind  
Professor Shree Ram Mittal

**Statute 9(3)(iv)*****One Reader and one Lecturer by rotation according to Seniority***

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. Sandeep Tiwari	Indira Gandhi Institute of Physical Education
Dr.(Ms.) Manjari Gopal	M.V. College of Education
Dr. (Ms.) Renu Malviya	Lady Irwin College
Dr. Disha Nawani	Gargi College
Ms. Gagandeep Bajaj	Shyama Prasad Mukherjee College
Dr. R.G. Mathur	R.A.K. College of Nursing
Dr.(Ms.) Alka Sehgal	Jesus & Mary College
Ms. Smriti Sharma	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 I.M. Pandey

### **Head of Department**

Professor K.V. Bhanumurthy

Professor I.M. Pandey

### **All Professors other than Head of the Department**

Professor Sri Ram Khanna

Professor Sanjay Sehgal

Professor J.P. Sharma

Professor Muneesh Kumar

Professor Virendra Kumar Vatal

Prof. C.P. Gupta

### **One senior most reader and one senior most lecturer by rotation in accordance to SeniorityReader**

Dr. Ajay Kumar Singh

Ms. Vanita

Ms. Deepa Vasudeval

### **Lecturer**

Dr. Abha Shukla

Dr. Manica Singhania

### **Statute 9.3(v)**

Ms. Bhawana Jain

Mr. Ravinder Kumar

Ms. Renu Chaudhary

Ms. G.L. Katwani

Sh. I.C. Jain

Dr.(Ms.) S. Kaistha

Dr. R.K. Joshi

Dr. Keval Gill

Sh. S.C. Garg

Mr. S.Venkata Kumar

Mr. D.P. Gupta

Ms. Nishi Sharma

Sh. R.K. Aggarwal

Dr. Madhu Bala

Dr. (Ms.) Poonam Sharma

Dr. Savita Hanspal

Ms. Anupama

Aditi Mahavidyalaya

Maharaja Agrasen College

I.P. College

Dyal Singh College

Delhi College of Arts & Commerce

Jesus & Mery College

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Shri Guru Gobind Singh College

Ram Lal Anand College

Venkateshwara College

Ramanujan College

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Janki Devi Memorial College

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Professor Anjali Mittal	Professor Uma Garg
Professor Manjushree Tyagi	Professor Suneera Kasliwal
Professor Deepti Bhalla	Professor Radha, V.
Professor Madhu Bala Saxena	

### **Statute 9(3)(iv)**

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Dr. Sudeepta

### **Statute 9(3)(v)**

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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
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Dr. Prerna Arora	Janki Devi Memorial College

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Professor Sanjay Chaturvedi	Community Medicine (UCMS)	
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Professor Vijay Kumar	Dermatology and Venerology (UCMS)	
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Professor S.K. Verma	Forensic Medicine (UCMS)	(w.e.f. 30.07.2010)
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Professor Pramod Kumari	Pharmacology (UCMS)	(w.e.f. 20.07.2011)
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Professor Nilima Shanker	Physiology (UCMS)	(w.e.f. 18.09.2010)
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Professor M.S. Bhatia	Psychiatry (UCMS)	(w.e.f. 07.01.2011)
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Professor Amit Banerjee	Surgery (MAMC)	(upto 29.10.2010)
Professor P.N. Aggarwal	Surgery (MAMC)	(w.e.f. 30.10.2010)
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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.

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### *University Representative*

Professor Kuljeet Shellie	
Professor Bharati Baveja	(upto 26.09.2010)
Professor Rama Mathew	(upto 20.10.2010)

## **SWAMI SHARDDHANAND COLLEGE**

### *University Representative*

Professor S.C. Bhatla	
Professor R.C. Thakran	

## **VIVEKANAND COLLEGE**

### *University Representative*

Professor Uma Garg	
Professor Bharati Baveja	(upto 07.06.2010)
Professor Neeta Sehgal	(w.e.f. 08.06.2010)

**PRIVATE TRUST COLLEGES**  
**AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY**

*University Representative*

Professor Ramphal Rana  
Professor Udaya Kumar

**DAULAT RAM COLLEGE**

*University Representative*

Professor Subramaniam Annapoorni (upto 10.01.2011)  
Professor Vijya Gupta (w.e.f. 11.01.2011)  
Professor (Ms.) Sreemati Chakrabarti

**HANS RAJ COLLEGE**

*University Representative*

Professor A.K. Bakshi (upto 24.11.2010)  
Professor P.K. Datta (w.e.f. 25.11.2010)  
Professor V.K. Bhasin (upto 19.05.2010)  
Professor D.S. Rawat (w.e.f. 20.05.2010)

**HINDU COLLEGE**

*University Representative*

Professor Sunil Kanwar  
Professor R.K. Agnihotri (upto 09.04.2010)  
Professor R. Geetha (w.e.f. 10.04.2010)

**INDRAPRASTHA COLLEGE FOR WOMEN**

*University Representative*

Professor Vibhra Chaturvedi  
Professor Ashwini Deshpande (upto 14.02.2011)  
Professor Namdomo Simder (w.e.f. 15.02.2011)

## **JANKI DEVI MEMORIAL COLLEGE**

### *University Representative*

Professor Pami Dua  
Professor Achin Vanaik (upto 04.10.2010)  
Professor S. Panja (w.e.f. 05.10.2010)

## **LADY IRWIN COLLEGE**

### *University Representative*

Professor Meenakshi Thapan (upto 05.11.2010)  
Professor S. Panja (w.e.f. 06.11.2010)  
Professor Subramnaian Annapoorni (upto 15.07.2010)  
Professor A.K. Verma (w.e.f. 16.07.2010)

## **MATA SUNDRI COLLEGE FOR WOMEN**

### *University Representative*

Professor Upinder Singh  
Professor (Ms.) Subhadra Channa

## **RAMJAS COLLEGE**

### *University Representative*

Professor Ashum Gupta  
Professor M.M. Agarwal (upto 17.09.2010)  
Professor Apoorvanand (w.e.f. 18.09.2010)

## **SHRI RAM COLLEGE OF COMMERCE**

### *University Representative*

Professor I.M. Pande (upto 15.10.2010)  
Professor Sudhri Shah (w.e.f. 20.10.2010)  
Professor Vivek Suneja (upto 28.06.2010)  
Professor Sunita Sengupta (w.e.f. 29.06.2010)

## **SHYAM LAL COLLEGE**

### *University Representative*

Professor I.M. Pande  
Professor Keshawan Veluthat



## **SRI GURU GOBIND SINGH COLLEGE OF COMMERCE**

### *University Representative*

Professor V.K. Bhasin  
Professor Aditya Bhattacharya (upto 26.09.2010)  
Professor Sudhir Shah (w.e.f. 27.09.2010)

## **SRI GURU TEGH BAHADHUR KHALSA COLLEGE**

### *University Representative*

Professor Farhat Hassan (upto 26.09.2010)  
Professor Aditya Bhattacharya (w.e.f. 27.09.2010)  
Professor A.K. Singh (upto 19.02.2010)  
Professor H.S. Prasad (w.e.f. 20.02.2010)

## **SRI GURU NANAK DEV KHALSA COLLEGE**

### *University Representative*

Professor Bhanumurthy  
Professor S.R. Mittal

## **ST. STEPHEN'S COLLEGE**

### *University Representative*

Professor B.P. Sahoo  
Professor Shobit Mahajan (upto 04.01.2010)  
Professor Virginius Xaxa (w.e.f. 06.07.2010)

## **ZAKIR HUSAIN COLLEGE**

### *University Representative*

Professor Madan Mohan  
Professor Anita Rampal

## **SCHOOL OF REHABILITATION SCIENCES**

### *University Representative*

Professor R.K. Agnihotri (upto 24.09.2010)  
Professor A.K. Bakshir (w.e.f. 25.09.2010)  
Professor Anita Rampal

## **GOVERNMENT MAINTAINED COLLEGES**

### **A&U TIBBIA COLLEGE**

*University Representative*

Professor Sheela Srivastava  
Professor S.C. Bhatla

### **COLLEGE OF ART**

*University Representative*

Professor H.S. Prasad (upto 16.04.2010)  
Professor Dipti Bhalla (w.e.f. 17.04.2010)  
Professor M.M. Agarwal (upto 31.07.2010)  
Professor Udaya Kumar (w.e.f. 01.08.2010)

### **MAULANA AZAD MEDICAL COLLEGE**

*University Representative*

Professor Akhilesh Kumar Tyagi (upto 26.09.2010)  
Professor Madan Mohan (upto 16.10.2010)

### **NETAJI SUBHASH INSTITUTE OF TECHNOLOGY**

*University Representative*

Professor A.K. Verma  
Professor J.P. Srivastava (upto 14.12.2010)  
Professor Sanjay Jain (w.e.f. 29.12.2010)

### **RAJKUMARI AMRIT KAUR COLLEGE OF NURSING**

*University Representative*

Professor R.C. Kuhad  
Professor Daman Saluja

### **DURGABAI DESHMUKH COLLEGE OF SPECIAL EDUCATION**

*University Representative*

Professor Ashum Gupta (upto 27.08.2010)  
Professor Nandita Basu (w.e.f. 28.08.2010)  
Professor Poonam Batra

## **INSTITUTE OF ECONOMICS GROWTH**

*University Representative*

Professor Meenakshi Thapan  
Professor Sunil Kanwal

## **UNIVERSITY MAINTAINED HOSTEL**

### **AMBEDKAR-GANGULY STUDENTS' HOUSE FOR WOMEN**

Professor Pulin B. Nayak	Chairman
Professor Upinder Singh	E.C. Nominee
Professor Hira Gangnegi	SC/ST Representative
Professor I. Usha Rao	E.C. Nominee

## **CENTRAL INSTITUTE OF EDUCATION HOSTEL**

*Nominated by the Executive Council*

Professor Ashok Vohra	E.C. Nominee	(upto 31.08.2010)
Professor R. Geetha	E.C. Nominee	(w.e.f. 01.09.2010)
Professor M.M. Agarwal	E.C. Nominee	(upto 04.08.2010)
Professor Seema Alavi	E.C. Nominee	(w.e.f. 05.08.2010)

## **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	(upto 01.08.2010)
Professor Sunil Kumar	E.C. Nominee	(w.e.f. 02.08.2010)
Professor K.L. Baluja	E.C. Nominee	(upto 01.08.2010)
Professor R. Geetha	E.C. Nominee	(w.e.f. 02.08.2010)
Professor A.K. Singh	E.C. Nominee	
Professor Sunil Kumar	E.C. Nominee	(upto 09.04.2010)

## **GWYER HALL**

Professor P.B. Nayak	Chairman
Professor H.P. Singh	E.C. Nominee
Professor Satish Deshpande	E.C. Nominee
Professor Alok Rai	E.C. Nominee
Professor N.K. Chadha	E.C. Nominee
Professor Mahesh Rangarajan	E.C. Nominee

## **INTERNATIONAL STUDENTS' HOUSE**

Professor Surinder Nath	Chairman	(upto 15.07.2010)
Professor Pawan Mathur	Chairman	(w.e.f. 29.12.2010)
Professor Vinod Kumar	E.C. Nominee	
Professor Shashwati Mazumdar	E.C. Nominee	
Professor M.M. Agarwal	E.C. Nominee	(upto 21.07.2010)
Professor Amar Kumar	E.C. Nominee	(w.e.f. 15.08.2010)
Professor Pammi Dua	E.C. Nominee	

## **INTERNATIONAL STUDENTS' HOUSE FOR WOMEN**

Professor Nandita Basu	Chairperson
Professor V.K. Bhasin	E.C. Nominee
Professor Tulsi Patel	E.C. Nominee
Professor N.C. Behera	E.C. Nominee
Professor S.R. Mittal	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 Shreemati Chakrabarti	E.C. Nominee
Professor Surender Nath	E.C. Nominee
Professor A.K. Bhatnagar	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. Sahoo	Chairman	(upto 28.09.2010)
Professor Kesavan Veluthat	Chairman	(w.e.f. 05.10.2010)
Professor J.P. Srivastava	E.C. Nominee	(upto 27.09.2010)
Professor J.V. Meenakshi	E.C. Nominee	(w.e.f. 28.09.2010)
Professor Sudhish Pachauri	E.C. Nominee	(upto 28.09.2010)
Professor H.P. Singh	E.C. Nominee	(w.e.f. 29.09.2010)
Professor Hari Prasad Singh	E.C. Nominee	(upto 29.12.2010)
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 Ajay Tiwari	E.C. Nominee	(upto 04.10.2010)
Professor Ujjwal Kr. Singh	E.C. Nominee	(w.e.f. 13.10.2010)
Professor Vibha Maurya	E.C. Nominee	
Professor Bharati Baveja	E.C. Nominee	
Professor Keshawan Veluthar	E.C. Nominee	

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

Professor B.L. Pandit	Chariman	upto 12.01.2011
Professor Girishwar Mishra	Chairman	w.e.f. 13.01.2011
Professor Sudhir Shah	E.C. Nominee	

Professor K. Mamkoottam	E.C. Nominee	
Professor Tulsi Patel	E.C. Nominee	
Professor Sunita S. Sengupta	E.C. Nominee	upto 04.01.2011
Professor A.K. Singh	E.C. Nominee	w.e.f. 07.02.2011

### **WUS WORKING WOMEN'S HOSTEL**

Professor Bharti Baveja	Chairperson	w.e.f. 02.10.2010
Professor Shreemati Chakrabarti	Chairperson	w.e.f. 10.10.2010
Professor Tista Bagchi	E.C. Nominee	
Professor Shreemati Chakrabarti	E.C. Nominee	upto 09.10.2010
Professor Prem Singh	E.C. Nominee	w.e.f. 13.01.2011

### **HOSTEL FOR U.G. GIRLS**

Professor Girishwar Mishra	Chairperson
Professor Ramesh Gautam	E.C. Nominee
Professor Kusum Aggarwal	E.C. Nominee
Professor Madhu Bhalla	E.C. Nominee
Professor Anupam Mahajan	E.C. Nominee

### **UNIVERSITY GUEST HOUSE**

Professor Usha Rao	Chairperson	w.e.f. 10.03.2010
Professor Anand Prakash	Member	w.e.f. 14.06.2010
Professor Talat Ahmad	Member	w.e.f. 14.06.2010
Professor Roma Chatterji	Member	w.e.f. 14.06.2010
Dr. Padmakar Mishra	Member	w.e.f. 14.06.2010

### **INTERNATIONAL GUEST HOUSE**

Professor B.P. Sahoo	Chairperson	w.e.f. 24.09.2010
Professor Anand Prakash	Member	w.e.f. 14.06.2010
Professor Talat Ahmad	Member	w.e.f. 14.06.2010
Professor Roma Chatterji	Member	w.e.f. 14.06.2010
Professor Padmakar Mishra	Member	w.e.f. 14.06.2010

### **LADY HARDINGE MEDICAL COLLEGE**

Professor J.S. Virdi	University Representative	w.e.f. 13.12.2010
Professor Enakshi Sharma	University Representative	w.e.f. 13.01.2011
Professor Sheela Srivastava	University Representative	

# **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

### **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

**Number of Post-Graduate and Under-Graduate Students on  
rolls in the Colleges of the University in the Academic Session (2010-11)**

**UNIVERSITY COLLEGES**

College	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
A & U Tibbia College	109	281	390	0	2	2	392
A.R.S.D. College	1768	1214	2982	57	62	119	3101
Acharya Narendra Dev College	868	581	1449	20	17	37	1486
Bharati College (W)	0	1745	1745	0	22	22	1767
Bhim Rao Ambedkar College	935	1100	2035	0	0	0	2035
Shaheed Rajguru College of Applied Scs. (W)	0	448	448	0	0	0	448
College of Art	307	341	648	60	56	116	764
Shaheed Sukhdev College of Business Studies	412	340	752	15	6	21	773
Delhi Institute of Pharmaceutical Sc. & Research	249	240	489	36	59	95	584
College of Vocational Studies	777	650	1427	19	10	29	1456
Daulat Ram College (W)	127	2664	2791	0	264	264	3055
Deen Dayal Upadhyaya College	951	854	1805	16	18	34	1839
Delhi College of Arts & Commerce	944	418	1362	0	0	0	1362
Delhi College of Engineering	1349	212	1561	16	7	23	1584
Netaji Subhas Institute of Technology	1738	419	2157	74	26	100	2257
Deshbandhu College	1267	855	2122	21	19	40	2162
Dyal Singh College	2212	1508	3720	7	7	14	3734
Gargi College (W)	32	2893	2925	0	54	54	2979
Hans Raj College	2261	1818	4079	320	369	689	4768
Hindu College	1240	1116	2356	336	430	766	3122
Indira Gandhi Institute of Physical Edn. & Sports Scs.	191	69	260	78	66	144	404
Indraprastha College for Women	0	2062	2062	0	223	223	2285
Institute of Home Economics (W)	0	811	811	0	68	68	879

College	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Janki Devi Memorial College (W)	0	1957	1957	0	102	102	2059
Jesus & Mary College (W)	0	2402	2402	0	65	65	2467
Kalindi College (W)	0	2215	2215	0	28	28	2243
Kamala Nehru College (W)	0	1916	1916	0	98	98	2014
Kirori Mal College	1967	1096	3063	297	261	558	3621
Lady Hardinge Medical College (W)	0	724	724	131	141	272	996
Lady Irwin College (W)	0	843	843	0	367	367	1210
Lady Shri Ram College (W)	0	2075	2075	0	152	152	2227
Lakshmibai College (W)	0	3146	3146	0	48	48	3194
Maitreyi College (W)	0	2198	2198	13	52	65	2263
Mata Sundri College (W)	0	3050	3050	0	39	39	3089
Maulana Azad Medical College	679	399	1078	194	212	406	1484
Miranda House (W)	0	2864	2864	0	415	415	3279
Moti Lal Nehru College	1504	1030	2534	33	43	76	2610
P.G.D.A.V. College	1450	903	2353	29	30	59	2412
R.A.K. College of Nursing (W)	0	221	221	2	41	43	264
Rajdhani College	1734	756	2490	36	20	56	2546
Ram Lal Aanand College	917	597	1514	3	7	10	1524
Ramjas College	2244	1183	3427	372	239	611	4038
SGTB Khalsa College	1584	1149	2733	68	82	150	2883
Satyawati College	1617	614	2231	20	7	27	2258
Shaheed Bhagat Singh College	1677	728	2405	13	21	34	2439
Shivaji College	2012	739	2751	26	5	31	2782
Shyam Lal College	1196	905	2101	16	12	28	2129
Shyama Prasad Mukherji College (W)	0	2387	2387	0	131	131	2518
Sri Aurobindo College	1473	593	2066	5	11	16	2082

College	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Sri Guru Gobind Singh College of Commerce	833	775	1608	24	41	65	1673
Shri Ram College of Commerce	810	1181	1991	111	83	194	2185
Sri Venkateswara College	1504	1620	3124	94	124	218	3342
St. Stephen's College	738	933	1671	67	118	185	1856
Swami Shraddhanand College	2138	786	2924	13	10	23	2947
U.C.M.S. & G.T.B. Hospital	548	102	650	126	110	236	886
V.P. Chest Institute	0	0	0	17	12	29	29
Vivekananda College (W)	0	1533	1533	0	40	40	1573
Zakir Husain College	1789	915	2704	229	124	353	3057
Nehru Homoeopathic Medical College & Hospital	66	391	457	1	7	8	465
Bhagini Nivedita College (W)	0	962	962	0	0	0	962
Keshav Mahavidhyalaya	691	751	1442	19	13	32	1474
Aditi Mahavidhyalaya (W)	0	1562	1562	0	0	0	1562
Maharaja Agrasen Co-Ed. College	599	817	1416	0	0	0	1416
Maharishi Valmiki College of Education	0	0	0	63	113	176	176
Bhaskaracharya College of Applied Sciences	331	376	707	0	0	0	707
Sri Guru Nanak Dev Khalsa College	1178	585	1763	13	25	38	1801
<b>Total (Day) :</b>	<b>49016</b>	<b>72618</b>	<b>121634</b>	<b>3110</b>	<b>5234</b>	<b>8344</b>	<b>129978</b>
Ahilya Bai College of Nursing	0	118	118	0	0	0	118
Amar Jyoti Instt. of Physiotherapy	16	92	108	0	0	0	108
Pt. Deen Dayal Instt. for the Phy. Handicapped	112	262	374	0	0	0	374
School of Rehabilitation Sciences	0	0	0	5	18	23	23
Durga Bai Deshmukh College	0	0	0	20	14	34	34
<b>Total (Other Inst) :</b>	<b>128</b>	<b>472</b>	<b>600</b>	<b>25</b>	<b>32</b>	<b>57</b>	<b>657</b>

	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
<b><i>Evening Colleges</i></b>							
Deshbandhu College (Eve.)	1054	546	1600	0	0	0	1600
Dyal Singh College (Eve.)	1340	574	1914	0	0	0	1914
Moti Lal Nehru College (Eve.)	1040	232	1272	0	0	0	1272
P.G.D.A.V. College (Eve.)	1078	405	1483	0	0	0	1483
Ram Lal Anand College (Eve.)	1177	334	1511	0	0	0	1511
Satyawati College (Eve.)	1364	302	1666	0	0	0	1666
Shaheed Bhagat Singh College (Eve.)	1117	534	1651	0	0	0	1651
Shyam Lal College (Eve.)	982	301	1283	0	0	0	1283
Sri Aurobindo College (Eve.)	1056	236	1292	0	0	0	1292
Zakir Husain Post-graduate Evening College	1056	127	1183	2	10	12	1195
<b>Total (Eve) :</b>	<b>11264</b>	<b>3591</b>	<b>14855</b>	<b>2</b>	<b>10</b>	<b>12</b>	<b>14867</b>
<b>Total (College) :</b>	<b>60408</b>	<b>76681</b>	<b>137089</b>	<b>3137</b>	<b>5276</b>	<b>8413</b>	<b>145502</b>

**UNIVERSITY FACULTIES/DEPARTMENTS/RECOGNISED INSTITUTIONS**

Faculty/Department	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
<b>Departments</b>							
Arabic	183	42	225	26	3	29	254
Buddhist Studies	0	0	0	281	103	384	384
English	0	0	0	18	45	63	63
Hindi	18	17	35	203	239	442	477
Hindi (SDC)	0	0	0	58	30	88	88
Library & Information Science	0	0	0	83	72	155	155
Linguistics	0	0	0	46	71	117	117
Germanic & Romance Studies	239	209	448	82	135	217	665
Modern Indian Language	51	17	68	36	77	113	181
Persian	202	62	264	26	14	40	304
Philosophy	0	0	0	21	40	61	61
Philosophy (SDC)	0	0	0	7	4	11	11
Psychology	0	0	0	34	139	173	173
Psychology (SDC)	0	0	0	6	56	62	62
Punjabi	89	31	120	25	47	72	192
Sanskrit	21	11	32	144	115	259	291
Urdu	509	145	654	146	60	206	860
Business Economics (SDC)	0	0	0	126	84	210	210
Slavonic & Finno-Ugrian Studies	221	59	280	27	20	47	327
Adult Continuing Education & Extn.	0	0	0	18	22	40	40
African Studies	8	1	9	22	11	33	42
East Asian Studies	45	21	66	89	79	168	234
Economics	0	0	0	133	152	285	285
Geography	0	0	0	101	88	189	189

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
<b>Departments</b>							
History	0	0	0	50	62	112	112
History (SDC)	0	0	0	28	34	62	62
Political Science	0	0	0	82	74	156	156
Social Work	0	0	0	63	128	191	191
Sociology	0	0	0	66	147	213	213
Computer Science	0	0	0	135	124	259	259
Mathematics	0	0	0	46	59	105	105
Operational Research	0	0	0	25	30	55	55
Statistics	0	0	0	14	18	32	32
Operational Research (SDC)	0	0	0	23	25	48	48
Faculty of Science	0	0	0	13	23	36	36
Anthropology	0	0	0	39	79	118	118
Botany	0	0	0	38	39	77	77
Chemistry	0	0	0	108	99	207	207
Geology	0	0	0	45	27	72	72
Home Science	0	0	0	0	61	61	61
Pharmacy	0	0	0	21	7	28	28
Physics	0	0	0	104	92	196	196
Zoology	0	0	0	27	50	77	77
Dr. B.R. Ambedkar Centre for Bio-Medical Research	0	0	0	43	75	118	118
Environmental Studies	0	0	0	47	58	105	105
Bio-Chemistry (SDC)	0	0	0	19	31	50	50
F/Intr. Dis. & App. Sc. Bio-Tech. (SDC)	0	0	0	2	3	5	5
Electronic Science (SDC)	0	0	0	70	60	130	130
Genetics (SDC)	0	0	0	24	46	70	70

	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Microbiology (SDC)	0	0	0	21	44	65	65
Plant Molecular Biology (SDC)	0	0	0	31	37	68	68
Bio-Physics (SDC)	0	0	0	1	1	2	2
Instt. of Informatic & Communication	0	0	0	38	53	91	91
Physical Education	0	0	0	6	8	14	14
Campus Law Centre	0	0	0	1299	502	1801	1801
Law Centre - I	0	0	0	1465	500	1965	1965
Law Centre - II	0	0	0	846	216	1062	1062
Faculty of Law	0	0	0	195	73	268	268
Faculty of Medical Sciences	0	0	0	270	108	378	378
Faculty of Music & Fine Arts	0	0	0	71	81	152	152
Faculty of Management Studies	0	0	0	806	229	1035	1035
Faculty of Technology	0	0	0	95	66	161	161
Education	0	0	0	201	282	483	483
Commerce	0	0	0	220	208	428	428
Financial Studies	0	0	0	75	44	119	119
Commerce (SDC)	0	0	0	8	23	31	31
<b>Total (Fac./Deptt./Centre) :</b>	<b>1586</b>	<b>615</b>	<b>2201</b>	<b>8538</b>	<b>5632</b>	<b>14170</b>	<b>16371</b>
<b>Total (Regular) :</b>	<b>61994</b>	<b>77296</b>	<b>139290</b>	<b>11675</b>	<b>10908</b>	<b>22583</b>	<b>161873</b>



**University Non-Formal Cell**

	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Non-Collegiate Womens' Education Board	0	11107	11107	0	419	419	11526
School of Open Learning	117893	109333	227226	470	1270	1740	228966
<b>Total (Non-Formal) :</b>	<b>117893</b>	<b>120440</b>	<b>238333</b>	<b>470</b>	<b>1689</b>	<b>2159</b>	<b>240492</b>
<b>Grand Total :</b>	<b>179887</b>	<b>197736</b>	<b>377623</b>	<b>12145</b>	<b>12597</b>	<b>24742</b>	<b>402365</b>

**Statement showing the Faculty-wise Distribution of Students during the Academic Session (2010-11)**

**UNDER-GRADUATE**

Faculty	Regular						Non-Formal				Total
	Day		Eve. and Part-Time		Certificate/Diploma		N.C.W.E.B.		S.O.L.		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Arts	11034	24029	5311	1762	2166	1769	0	6943	59475	68246	180735
Ayur. & Unani-Medicine	109	281	0	0	0	0	0	0	0	0	390
Homoeopathic Medicine	66	391	0	0	0	0	0	0	0	0	457
Inter-Disciplinary	1241	1442	0	0	0	0	0	0	0	0	2683
Mathematical Sc.	2810	3841	85	9	0	0	0	0	0	0	6745
Medical Sc.	1227	1225	0	0	0	0	0	0	0	0	2452
Music & Fine Arts	336	395	0	0	6	4	0	0	0	0	741
Science	9986	11777	0	0	141	95	0	0	0	0	21999
Social Science	6058	10951	1234	341	147	111	0	0	3358	3563	25763
App. Soc. Sc. & Humanities	889	1064	88	47	250	173	0	0	0	0	2511
Commerce & Business	11177	14365	4546	1432	0	0	0	4164	55060	37524	128268
Technology	2850	628	237	3	0	0	0	0	0	0	3718
Education	0	1161	0	0	0	0	0	0	0	0	1161
<b>Grand Total (U.G.) :</b>	<b>47783</b>	<b>71550</b>	<b>11501</b>	<b>3594</b>	<b>2710</b>	<b>2152</b>	<b>0</b>	<b>11107</b>	<b>117893</b>	<b>109333</b>	<b>377623</b>

**Statement showing the Faculty-wise Distribution of Students during the Academic Session (2010-11)**

**POST-GRADUATE**

Faculty	Regular						Non-Formal				Total
	Day		Eve. and Part-Time		Certificate/Diploma		N.C.W.E.B.		S.O.L.		
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	
Arts	1644	2469	63	42	184	105	0	270	93	373	5243
Ayur. & Unani-Medicine	0	2	0	0	0	0	0	0	0	0	2
Inter-Disciplinary	290	349	0	0	12	14	0	0	0	0	665
Mathematical Sc.	449	772	0	0	66	50	0	86	0	0	1423
Medical Sc.	653	504	0	0	85	79	0	0	0	0	1321
Homoeopathic Medicine	1	7	0	0	0	0	0	0	0	0	8
Music & Fine Arts	133	162	0	0	19	24	0	0	0	0	338
Science	1097	1792	0	0	28	77	0	0	0	0	2994
Social Science	1064	1408	0	0	72	54	0	63	126	392	3179
App.Soc.Sc.& Humanities	153	104	0	0	87	29	0	0	0	0	373
Commerce & Business	473	583	0	0	22	22	0	0	251	505	1856
Technology	156	86	29	13	0	0	0	0	0	0	284
Education	271	589	13	52	0	0	0	0	0	0	925
Law	1395	543	2410	748	0	0	0	0	0	0	5096
Management	381	153	425	76	0	0	0	0	0	0	1035
<b>Grand Total (P.G.) :</b>	<b>8160</b>	<b>9523</b>	<b>2940</b>	<b>931</b>	<b>575</b>	<b>454</b>	<b>0</b>	<b>419</b>	<b>470</b>	<b>1270</b>	<b>24742</b>

**Statement showing the Faculty-wise distribution of Ph.D. Enrolment during the  
Academic Session (2010-11)**

		Male	Female	Total
<b>Faculty of Applied Social Sciences &amp; Humanities</b>				
<i>Departments</i>				
	Business Economics	31	45	76
	Slavonic & Finno-Ugrian Studies	3	1	4
	<b>Sub Total (App. Social Sc.) :</b>	<b>34</b>	<b>46</b>	<b>80</b>
<b>Faculty of Arts</b>				
<i>Departments</i>				
	Arabic	22	1	23
	Buddhist Studies	103	29	132
	English	8	15	23
	Hindi	166	194	360
	Library & Information Science	22	12	34
	Linguistics	15	24	39
	Germanic & Romance Studies	4	8	12
	Modern Indian Language	28	36	64
	Persian	19	11	30
	Philosophy	18	26	44
	Psychology	34	139	173
	Punjabi	24	40	64
	Sanskrit	131	109	240
	Urdu	66	22	88
	<b>Sub Total (Arts) :</b>	<b>660</b>	<b>666</b>	<b>1326</b>

	Male	Female	Total
<b>Faculty of Commerce &amp; Business</b>			
<i>Departments</i>			
Commerce	13	42	55
Financial Studies	9	21	30
<b>Sub Total (Commerce &amp; Business) :</b>	<b>22</b>	<b>63</b>	<b>85</b>
<b>Faculty of Education</b>			
<i>Department</i>			
Education	34	68	102
<b>Sub Total (Education) :</b>	<b>34</b>	<b>68</b>	<b>102</b>
<b>Faculty of Inter-disciplinary &amp; Applied Sciences</b>			
<i>Departments</i>			
Bio-Chemistry (SDC)	19	14	33
Electronic Science	9	28	37
Genetics (SDC)	15	31	46
Micro-Biology (SDC)	21	23	44
Plant Molecular Biology	19	24	43
Bio-Physics (SDC)	1	1	2
Physical Education	6	8	14
<b>Sub Total :</b>	<b>90</b>	<b>129</b>	<b>219</b>

	Male	Female	Total
<b>Faculty of Law</b>			
<i>Department</i>			
Law	14	5	19
<b>Sub Total (Law) :</b>	<b>14</b>	<b>5</b>	<b>19</b>
<b>Faculty of Mathematical Sciences</b>			
<i>Departments</i>			
Computer Science	15	38	53
Mathematics	35	47	82
Operational Research	17	16	33
Statistics	11	13	24
<b>Sub Total (Mathematical Sc.) :</b>	<b>78</b>	<b>114</b>	<b>192</b>
<b>Faculty of Management Studies</b>			
Faculty of Management Studies	55	45	100
<b>Sub Total (Management Stu.) :</b>	<b>55</b>	<b>45</b>	<b>100</b>
<b>Faculty of Medicine</b>			
Faculty of Medical Sciences	50	57	107
<b>Sub Total (Medicine):</b>	<b>50</b>	<b>57</b>	<b>107</b>

	Male	Female	Total
<b>Faculty of Music &amp; Fine Arts</b>			
Faculty of Music & Fine Arts	40	51	91
<b>Sub Total (Music &amp; Fine Arts) :</b>	<b>40</b>	<b>51</b>	<b>91</b>
<b>Faculty of Science</b>			
<i>Departments</i>			
Anthropology	24	51	75
Botany	27	31	58
Chemistry	79	79	158
Geology	42	25	67
Home Science	0	61	61
Pharmacy	21	7	28
Physics	87	73	160
Zoology	22	38	60
Dr. B.R. Ambedkar Centre for Bio-Medical Environmental Studies	14	25	39
	10	15	25
<b>Sub Total : (Science):</b>	<b>326</b>	<b>405</b>	<b>731</b>

	Male	Female	Total
<b>Faculty of Social Science</b>			
<i>Departments</i>			
Adult Contd. Ed. & Ex	3	3	6
African Studies	19	8	27
East Asian Studies	3	5	8
Economics	8	27	35
Geography	29	37	66
History	37	54	91
Political Science	67	63	130
Social Work	11	33	44
Sociology	23	23	46
<b>Sub Total (Social Sc.):</b>	<b>200</b>	<b>253</b>	<b>453</b>
<b>Faculty of Technology</b>			
Faculty of Technology	95	66	161
<b>Sub Total (Technology) :</b>	<b>95</b>	<b>66</b>	<b>161</b>
<b>Grand Total :</b>	<b>1698</b>	<b>1968</b>	<b>3666</b>



**Statement showing the Faculty-wise distribution of M.Phil. Enrolment during the  
Academic Session (2010-11)**

		Male	Female	Total
<b>Faculty of Applied Social Science &amp; Humanities</b>				
<i>Department</i>				
	Slavonic & Finno-Ugrian Studies	4	3	7
<b>Sub Total (App. Social Sc.) :</b>		<b>4</b>	<b>3</b>	<b>7</b>
<b>Faculty of Arts</b>				
<i>Departments</i>				
	Arabic	4	2	6
	Buddhist Studies	10	3	13
	English	10	30	40
	Hindi	12	13	25
	Library & Information Science	5	10	15
	Linguistics	4	6	10
	Germanic & Romance Studies	5	12	17
	Modern Indian Language	0	10	10
	Persian	1	0	1
	Philosophy	3	14	17
	Punjabi	1	7	8
	Sanskrit	13	6	19
	Urdu	14	8	22
<b>Sub Total (Arts) :</b>		<b>82</b>	<b>121</b>	<b>203</b>

	Male	Female	Total
<b>Faculty of Commerce &amp; Business</b>			
<i>Department</i>			
Commerce	6	18	24
<b>Sub Total (Commerce &amp; Business) :</b>	<b>6</b>	<b>18</b>	<b>24</b>
<b>Faculty of Education</b>			
<i>Department</i>			
Education	4	11	15
<b>Sub Total (Education) :</b>	<b>4</b>	<b>11</b>	<b>15</b>
<b>Faculty of Inter-disciplinary &amp; Applied Sciences</b>			
<i>Departments</i>			
F.Inter Dis. & App. Sc. (Bio-Tech.)	2	3	5
Plant Molecular Biology	0	1	1
<b>Sub Total (Inter-disciplinary) :</b>	<b>2</b>	<b>4</b>	<b>6</b>
<b>Faculty of Mathematical Sciences</b>			
<i>Departments</i>			
Mathematics	11	12	23
Operational Research	8	14	22
Statistics	3	5	8
<b>Sub Total (Mathematical Sc.) :</b>	<b>22</b>	<b>31</b>	<b>53</b>

	Male	Female	Total
<b>Faculty of Music &amp; Fine Arts</b>			
Faculty of Music & Fine Arts	14	10	24
<b>Sub Total (Music &amp; Fine Arts) :</b>	<b>14</b>	<b>10</b>	<b>24</b>
<b>Faculty of Science</b>			
<i>Departments</i>			
Anthropology	5	17	22
Botany	11	8	19
Geology	3	2	5
Zoology	5	12	17
<b>Sub Total (Science) :</b>	<b>24</b>	<b>39</b>	<b>63</b>
<b>Faculty of Social Sciences</b>			
<i>Departments</i>			
African Studies	3	3	6
East Asian Studies	4	6	10
Economics	2	0	2
Geography	9	7	16
History	13	8	21
Political Science	15	11	26
Social Work	2	5	7
Sociology	8	16	24
<b>Sub Total (Social Sc.) :</b>	<b>56</b>	<b>56</b>	<b>112</b>
<b>Grand Total :</b>	<b>214</b>	<b>293</b>	<b>507</b>

**Statement showing the Course-Wise distribution of Under-Graduate Students (Regular) on Rolls during the Academic Session (2010-11)**

**Under-graduate (Regular)**

Subject	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	3059	5321	8380	2010	4159	6169	1768	3646	5414	0	0	0	0	0	0	6837	13126	19963
B.A. Prog. Eve.	2097	518	2615	1404	399	1803	984	337	1321	0	0	0	0	0	0	4485	1254	5739
B.A.(Voc. Studies)	134	98	232	216	168	384	151	157	308	0	0	0	0	0	0	501	423	924
B.A. (Hons.) Day	5038	9862	14900	3065	7207	10272	2397	5830	8227	0	0	0	0	0	0	10500	22899	33399
B.A. (Hons.) Eve.	1149	438	1587	602	264	866	403	196	599	0	0	0	0	0	0	2154	898	3052
B.Com. (Hons.) Day	2531	3000	5531	1899	2557	4456	1415	2239	3654	0	0	0	0	0	0	5845	7796	13641
B.Com. (Hons.) Eve.	567	185	752	302	122	424	177	77	254	0	0	0	0	0	0	1046	384	1430
B.Com. Day	2301	2624	4925	1564	2135	3699	1467	1810	3277	0	0	0	0	0	0	5332	6569	11901
B.Com. Eve.	1684	423	2107	1091	366	1457	725	259	984	0	0	0	0	0	0	3500	1048	4548
B.B.S. (B.Business Stud.)	161	145	306	110	117	227	72	82	154	0	0	0	0	0	0	343	344	687
B.F.I.A. (B.Fin. & Invest)	44	25	69	29	16	45	22	16	38	0	0	0	0	0	0	95	57	152
B.M.M.M.C.(B.Mass Med.	0	47	47	0	40	40	0	38	38	0	0	0	0	0	0	0	125	125
B.Sc. Physical Scs.	1676	767	2443	754	455	1209	336	275	611	0	0	0	0	0	0	2766	1497	4263
B.Sc. Life Sciences	424	683	1107	269	438	707	166	345	511	0	0	0	0	0	0	859	1466	2325
B.Sc. Appl. Phy. Scs.	297	252	549	395	249	644	195	200	395	0	0	0	0	0	0	887	701	1588
B.Sc. Appl. Life. Scs.	2	0	2	21	56	77	15	47	62	0	0	0	0	0	0	38	103	141
B.Sc. (G) Math. Scs.	79	33	112	47	33	80	38	34	72	0	0	0	0	0	0	164	100	264
B.Sc. (Home Science)	0	428	428	0	271	271	0	267	267	0	0	0	0	0	0	0	966	966
B.Sc.(Phy. Edn. & Health)	81	27	108	53	28	81	57	14	71	0	0	0	0	0	0	191	69	260

Subject	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	376	376	0	327	327	0	242	242	0	216	216	0	0	0	0	1161	1161
B.Sc. (Hons.) Day	4926	4986	9912	2387	3366	5753	1195	2010	3205	0	67	67	0	0	0	8508	10429	18937
B.Sc. (Hons.) Eve	73	6	79	6	1	7	0	0	0	0	0	0	0	0	0	79	7	86
B.P.O.	9	8	17	7	7	14	5	9	14	6	10	16	0	0	0	27	34	61
B.O.T.	13	33	46	3	30	33	7	24	31	6	30	36	0	0	0	29	117	146
B.P.T.	28	58	86	16	51	67	14	51	65	14	43	57	0	0	0	72	203	275
B.Applied Sc. (H)	88	162	250	28	108	136	12	88	100	0	0	0	0	0	0	128	358	486
B. Pharma	24	49	73	26	34	60	30	30	60	28	32	60	0	0	0	108	145	253
B.Sc. (MTR)	11	4	15	8	7	15	2	7	9	0	0	0	0	0	0	21	18	39
B.F.A.	100	95	195	87	101	188	63	69	132	51	72	123	0	0	0	301	337	638
B.A.M.S.	8	33	41	13	27	40	6	29	35	15	27	42	13	26	39	55	142	197
B.U.M.S.	5	28	33	12	28	40	9	32	41	13	27	40	15	24	39	54	139	193
B.H.M.S.	12	83	95	16	74	90	11	78	89	14	78	92	13	78	91	66	391	457
M.B.B.S.	246	256	502	233	257	490	208	227	435	202	205	407	249	170	419	1138	1115	2253
B.D.S.	22	15	37	7	15	22	8	17	25	20	16	36	11	29	40	68	92	160
B.E.	522	93	615	405	124	529	966	207	1173	957	204	1161	0	0	0	2850	628	3478
B.E.(Tech) PT	0	0	0	0	0	0	119	1	120	118	2	120	0	0	0	237	3	240
Other Cert./Diploma	2636	2089	4725	74	63	137	0	0	0	0	0	0	0	0	0	2710	2152	4862
<b>Total :</b>	<b>30047</b>	<b>33250</b>	<b>63297</b>	<b>17159</b>	<b>23700</b>	<b>40859</b>	<b>13043</b>	<b>18990</b>	<b>32033</b>	<b>1444</b>	<b>1029</b>	<b>2473</b>	<b>301</b>	<b>327</b>	<b>628</b>	<b>61994</b>	<b>77296</b>	<b>139290</b>

**Statement showing the Course-wise distribution of Under-Graduate Students on rolls in S.O.L. and N.C.W.E.B. in the Academic Session (2010-11)**

**Under-Graduate Students (Non-formal)**

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
	<b>School of Open Learning</b>											
<i>Course</i>												
B.A. Programme	31281	32673	63954	16958	19773	36731	10512	14047	24559	58751	66493	125244
B.Com.(Hons)	3555	2003	5558	911	887	1798	1003	819	1822	5469	3709	9178
B. Com.	25014	13528	38542	14019	12224	26243	10558	8063	18621	49591	33815	83406
B.A. (H) English	461	983	1444	176	428	604	87	342	429	724	1753	2477
B.A. (H) Pol. Science	2185	2094	4279	757	948	1705	416	521	937	3358	3563	6921
<b>Sub-Total :</b>	<b>62496</b>	<b>51281</b>	<b>113777</b>	<b>32821</b>	<b>34260</b>	<b>67081</b>	<b>22576</b>	<b>23792</b>	<b>46368</b>	<b>117893</b>	<b>109333</b>	<b>227226</b>
<b>Non-Collegiate Women's Education Board</b>												
<i>Course</i>												
B.A. Programme	0	2484	2484	0	2235	2235	0	2224	2224	0	6943	6943
B.Com.	0	1548	1548	0	1284	1284	0	1332	1332	0	4164	4164
<b>Sub-Total :</b>	<b>0</b>	<b>4032</b>	<b>4032</b>	<b>0</b>	<b>3519</b>	<b>3519</b>	<b>0</b>	<b>3556</b>	<b>3556</b>	<b>0</b>	<b>11107</b>	<b>11107</b>
<b>Grand-Total :</b>	<b>62496</b>	<b>55313</b>	<b>117809</b>	<b>32821</b>	<b>37779</b>	<b>70600</b>	<b>22576</b>	<b>27348</b>	<b>49924</b>	<b>117893</b>	<b>120440</b>	<b>238333</b>

**Statement showing the Course-wise distribution of Post-Graduate Students (Regular) on Rolls  
in the Academic Session (2010-11)**

Post Graduate (Regular)

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
	<i>Course</i>											
Bachelor of Lib. and Information Sc. (B.Lib. Sc.)	29	30	59	0	0	0	0	0	0	29	30	59
Master of Lib. and Information Sc. (M.Lib. & I. Sc.)	27	20	47	0	0	0	0	0	0	27	20	47
Master of Arts (Day)	1014	1630	2644	722	1351	2073	0	0	0	1736	2981	4717
Master of Arts (Eve.)	44	32	76	19	10	29	0	0	0	63	42	105
M.Com.	134	243	377	88	175	263	0	0	0	222	418	640
Master of Business Economics (M.B.E.)	62	21	83	33	18	51	0	0	0	95	39	134
Master of Financial & Control (M.F.C.)	36	12	48	30	11	41	0	0	0	66	23	89
Master of Human Resource & Org. Dev. (MHROD)	38	11	49	26	25	51	0	0	0	64	36	100
Master of International Business (MIB)	54	12	66	39	13	52	0	0	0	93	25	118
Master of Computer Applications (MCA)	36	11	47	25	18	43	26	8	34	87	37	124
M.Sc.	513	842	1355	358	749	1107	0	0	0	871	1591	2462
M.Sc.(App. Sc.)	49	76	125	39	69	108	0	0	0	88	145	233
M. Pharma	17	32	49	19	27	46	0	0	0	36	59	95
M. Nursing	1	23	24	1	18	19	0	0	0	2	41	43
Master of Fine Arts (M.F.A.)	36	24	60	22	28	50	0	0	0	58	52	110
M.Tech. (Science)	18	24	42	21	18	39	20	20	40	59	62	121
M.Tech. (Microwave Elect.)	24	4	28	8	1	9	0	0	0	32	5	37
B.Ed.	201	438	639	0	0	0	0	0	0	201	438	639
B.Ed. (Special Education)	20	46	66	0	0	0	0	0	0	20	46	66
M. Ed. (Full-time)	12	26	38	0	0	0	0	0	0	12	26	38
M.Ed. (Part-time)	8	27	35	5	25	30	0	0	0	13	52	65
B.P. Ed.	37	37	74	0	0	0	0	0	0	37	37	74
M.P. Ed.	19	19	38	22	10	32	0	0	0	41	29	70
LL.B.	1836	517	2353	1015	412	1427	759	289	1048	3610	1218	4828
Master of Laws (LL.M.) (Two year)	40	16	56	39	14	53	0	0	0	79	30	109
Master of Laws (LL.M.) (Three year)	36	14	50	32	12	44	31	6	37	99	32	131

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Master of Comparative Laws (MCL Two year)	1	3	4	2	3	5	0	0	0	3	6	9
M.B.A. (Full-time Two year)	108	53	161	109	32	141	0	0	0	217	85	302
M.B.A. Mgt. of Service (Full-time)	52	17	69	57	6	63	0	0	0	109	23	132
M.B.A. (Part-time Three year)	172	27	199	112	17	129	85	12	97	369	56	425
M.B.A. (H.C.A. Three year)	23	7	30	15	8	23	18	5	23	56	20	76
M.Tech.(Full Time)	28	10	38	33	10	43	0	0	0	61	20	81
M.Tech.(Part Time)	4	2	6	3	2	5	6	2	8	13	6	19
M.E. (Full Time)	0	0	0	0	0	0	0	0	0	0	0	0
M.E. (Part Time)	0	0	0	0	0	0	14	7	21	14	7	21
M.Sc. (App. Physics) PT	0	0	0	0	0	0	2	0	2	2	0	2
MDS (M. in Dental Surg.)	3	6	9	5	4	9	4	4	8	12	14	26
M.Sc. (Medical Imaging Tech. Radio.)	1	2	3	0	0	0	0	0	0	1	2	3
MD (Ayurvedic Unani)	0	0	0	0	2	2	0	0	0	0	2	2
MD (Homoeopathic Med.)	0	4	4	1	3	4	0	0	0	1	7	8
Ph.D. Combined	1698	1968	3666	0	0	0	0	0	0	1698	1968	3666
M.Phil	227	280	507	0	0	0	0	0	0	214	293	507
DM/MCH	35	1	36	23	0	23	24	0	24	82	1	83
Medical Degree	222	218	440	150	111	261	136	101	237	508	430	938
Medical Diploma	34	43	77	51	36	87	0	0	0	85	79	164
Other Cert./Dip.	379	298	677	111	77	188	0	0	0	490	375	865
<b>Total :</b>	<b>7328</b>	<b>7126</b>	<b>14454</b>	<b>3235</b>	<b>3315</b>	<b>6550</b>	<b>1125</b>	<b>454</b>	<b>1579</b>	<b>11675</b>	<b>10908</b>	<b>22583</b>



**Statement showing the Course-wise distribution of Post-Graduate Students (Non-formal) on Rolls  
in School of Open Learning and N.C.W.E.B. in the Academic Session (2010-11)**

**Post-Graduate Students (Non-formal)**

	Previous Year			Final Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>School of Open Learning</b>									
<i>Course</i>									
M.A. (Hindi)	45	192	237	28	116	144	73	308	381
M.A. (Sanskrit)	4	21	25	16	44	60	20	65	85
M.A. (Political Science)	53	188	241	41	133	174	94	321	415
M.A. (History)	19	29	48	13	42	55	32	71	103
<b>Total (M.A.) :</b>	<b>121</b>	<b>430</b>	<b>551</b>	<b>98</b>	<b>335</b>	<b>433</b>	<b>219</b>	<b>765</b>	<b>984</b>
M.Com	169	321	490	82	184	266	251	505	756
<b>Sub-Total :</b>	<b>290</b>	<b>751</b>	<b>1041</b>	<b>180</b>	<b>519</b>	<b>699</b>	<b>470</b>	<b>1270</b>	<b>1740</b>
<b>Non-Collegiate Women's Education Board</b>									
<i>Course</i>									
M.A. (English)	0	76	76	0	52	52	0	128	128
M.A. (Hindi)	0	70	70	0	15	15	0	85	85
M.A. (Punjabi)	0	34	34	0	22	22	0	56	56
M.A. (Sanskrit)	0	1	1	0	0	0	0	1	1
M.A. (Political Science)	0	39	39	0	6	6	0	45	45
M.A. (History)	0	11	11	0	7	7	0	18	18
M.A. (Mathematics)	0	62	62	0	4	4	0	66	66
<b>Total (M.A.) :</b>	<b>0</b>	<b>293</b>	<b>293</b>	<b>0</b>	<b>106</b>	<b>106</b>	<b>0</b>	<b>399</b>	<b>399</b>

	Previous Year			Final Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
M.Sc. (Mathematics)	0	18	18	0	2	2	0	20	20
<b>Sub-Total :</b>	<b>0</b>	<b>311</b>	<b>311</b>	<b>0</b>	<b>108</b>	<b>108</b>	<b>0</b>	<b>419</b>	<b>419</b>
<b>Grand-Total :</b>	<b>290</b>	<b>1062</b>	<b>1352</b>	<b>180</b>	<b>627</b>	<b>807</b>	<b>470</b>	<b>1689</b>	<b>2159</b>

**Statement showing the Number of Students on Rolls in Under-Graduate Certificate/Diploma Courses in the University Colleges/Departments during the Academic Session (2010-11)**

College/Department	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>A. Department</b>									
<i>Diploma</i>									
Arabic	56	10	66	0	0	0	56	10	66
Bengali	2	2	4	0	0	0	2	2	4
Gujrati	2	0	2	0	0	0	2	0	2
Hindi	6	3	9	0	0	0	6	3	9
Punjabi	8	6	14	0	0	0	8	6	14
Persian	8	9	17	0	0	0	8	9	17
Sindhi	3	1	4	0	0	0	3	1	4
Sanskrit	6	4	10	0	0	0	6	4	10
Urdu	24	30	54	0	0	0	24	30	54
Portuguese	10	3	13	0	0	0	10	3	13
Romanian	3	1	4	0	0	0	3	1	4
Chinese	17	6	23	0	0	0	17	6	23
Swahili	2	0	2	0	0	0	2	0	2
Bulgarian	1	0	1	0	0	0	1	0	1
Czech	6	0	6	0	0	0	6	0	6
Hungarian	4	2	6	0	0	0	4	2	6
Polish	5	0	5	0	0	0	5	0	5
Russian	21	5	26	0	0	0	21	5	26
Croatian	2	0	2	0	0	0	2	0	2
<b>Sub-Total (Diploma) :</b>	<b>186</b>	<b>82</b>	<b>268</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>186</b>	<b>82</b>	<b>268</b>

College/Department	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>Advance Diploma</i>									
Arabic	51	8	59	0	0	0	51	8	59
Hindi	2	2	4	0	0	0	2	2	4
Persian	9	8	17	0	0	0	9	8	17
Urdu	19	13	32	0	0	0	19	13	32
Sindhi	1	0	1	0	0	0	1	0	1
Portuguese	17	5	22	0	0	0	17	5	22
Chinese	12	4	16	0	0	0	12	4	16
Japanese	16	11	27	0	0	0	16	11	27
Hungarian	2	1	3	0	0	0	2	1	3
Polish	1	3	4	0	0	0	1	3	4
Russian	7	4	11	0	0	0	7	4	11
<b>Sub-Total (Adv. Diploma) :</b>	<b>137</b>	<b>59</b>	<b>196</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>137</b>	<b>59</b>	<b>196</b>
<i>Intensive Advance Diploma</i>									
Russian	23	17	40	0	0	0	23	17	40
Bulgarian	2	0	2	0	0	0	2	0	2
<b>Sub-Total (Int. Adv. Dip.) :</b>	<b>25</b>	<b>17</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>17</b>	<b>42</b>

College/Department	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>Certificate course</i>									
Arabic	76	24	100	0	0	0	76	24	100
Assamese	2	1	3	0	0	0	2	1	3
Bengali	16	6	22	0	0	0	16	6	22
Gujrati	3	1	4	0	0	0	3	1	4
Hindi	10	12	22	0	0	0	10	12	22
Oriya	2	0	2	0	0	0	2	0	2
Punjabi	81	25	106	0	0	0	81	25	106
Persian	185	45	230	0	0	0	185	45	230
Sindhi	9	2	11	0	0	0	9	2	11
Sanskrit	15	7	22	0	0	0	15	7	22
Tamil	10	2	12	0	0	0	10	2	12
Telugu	1	2	3	0	0	0	1	2	3
Urdu	466	102	568	0	0	0	466	102	568
Portuguese	42	8	50	0	0	0	42	8	50
Romanian	7	2	9	0	0	0	7	2	9
Swahili	6	1	7	0	0	0	6	1	7
Bulgarian	6	0	6	0	0	0	6	0	6
Czech	12	2	14	0	0	0	12	2	14

College/Department	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hungarian	8	0	8	0	0	0	8	0	8
Polish	14	0	14	0	0	0	14	0	14
Russian	99	22	121	0	0	0	99	22	121
Croatian	8	3	11	0	0	0	8	3	11
<b>Sub-Total (Certificate) :</b>	<b>1078</b>	<b>267</b>	<b>1345</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1103</b>	<b>284</b>	<b>1387</b>
<b>Total (Cert./Diploma/Course) :</b>	<b>1426</b>	<b>425</b>	<b>1851</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1426</b>	<b>425</b>	<b>1851</b>

## B. Colleges

### *Diploma*

French	65	139	204	0	0	0	65	139	204
German	41	89	130	0	0	0	41	89	130
Italian	7	5	12	0	0	0	7	5	12
Spanish	23	41	64	0	0	0	23	41	64
Pharmacy	72	44	116	69	51	120	141	95	236
Fine Art	1	1	2	5	3	8	6	4	10
Russian	2	6	8	0	0	0	2	6	8
Business Journalism & Corporate Com.	10	34	44	0	0	0	10	34	44
Conflict Transformation & Peace Bldg.	0	26	26	0	9	9	0	35	35
<b>Sub-Total (Diploma) :</b>	<b>221</b>	<b>385</b>	<b>606</b>	<b>74</b>	<b>63</b>	<b>137</b>	<b>295</b>	<b>448</b>	<b>743</b>

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>Advance Diploma Course</i>									
French	30	69	99	0	0	0	30	69	99
German	30	57	87	0	0	0	30	57	87
Italian	8	2	10	0	0	0	8	2	10
Spanish	20	19	39	0	0	0	20	19	39
<b>Sub-Total (Adv. Diploma) :</b>	<b>88</b>	<b>147</b>	<b>235</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>147</b>	<b>235</b>
<i>Certificate course</i>									
French	277	424	701	0	0	0	277	424	701
German	352	377	729	0	0	0	352	377	729
Italian	27	26	53	0	0	0	27	26	53
Spanish	134	177	311	0	0	0	134	177	311
Japanese	36	35	71	0	0	0	36	35	71
Chinese	48	43	91	0	0	0	48	43	91
Korean	10	11	21	0	0	0	10	11	21
Russian	17	39	56	0	0	0	17	39	56
<b>Sub-Total (Certificate) :</b>	<b>901</b>	<b>1132</b>	<b>2033</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>901</b>	<b>1132</b>	<b>2033</b>
<b>Total (Cert./Diploma/Course) :</b>	<b>1210</b>	<b>1664</b>	<b>2874</b>	<b>74</b>	<b>63</b>	<b>137</b>	<b>1284</b>	<b>1727</b>	<b>3011</b>
<b>Grand-Total (Cert./Diploma/Course) :</b>	<b>2636</b>	<b>2089</b>	<b>4725</b>	<b>74</b>	<b>63</b>	<b>137</b>	<b>2710</b>	<b>2152</b>	<b>4862</b>

**Statement showing the Number of Students on Rolls in Post-Graduate Certificate/Diploma Courses  
in the University Colleges/Departments during the Academic Session (2010-11)**

College/Department	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>A. Departments</b>									
<i>Diploma</i>									
Pali	5	5	10	0	0	0	5	5	10
Tibetan	2	2	4	0	0	0	2	2	4
Foreign Language Education	8	16	24	0	0	0	8	16	24
Sangeet Shiromani (Hind. Mu.)	4	10	14	13	5	18	17	15	32
Sangeet Shiromani (KarnatM)	0	2	2	0	3	3	0	5	5
<b>Sub-Total (Diploma) :</b>	<b>19</b>	<b>35</b>	<b>54</b>	<b>13</b>	<b>8</b>	<b>21</b>	<b>32</b>	<b>43</b>	<b>75</b>
<i>Intensive Advanced Diploma</i>									
Portuguese	36	3	39	0	0	0	36	3	39
Chinese	18	10	28	0	0	0	18	10	28
Japanese	11	11	22	0	0	0	11	11	22
Korean	12	7	19	0	0	0	12	7	19
<b>Sub-Total (Int. Adv. Dip.) :</b>	<b>77</b>	<b>31</b>	<b>108</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>77</b>	<b>31</b>	<b>108</b>
<i>Post M.A. Diploma</i>									
Linguistics	3	1	4	0	0	0	3	1	4
Mass Media	8	1	9	0	0	0	8	1	9
Urdu Paleography	3	0	3	0	0	0	3	0	3
Adult & Cont. Edu	15	19	34	0	0	0	15	19	34
<b>Sub-Total (Post M.A. Diploma) :</b>	<b>29</b>	<b>21</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>21</b>	<b>50</b>



	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>P.G. Diploma Course</i>									
Translation (English to Hindi)	25	32	57	0	0	0	25	32	57
Hindi Journalism	25	8	33	22	16	38	47	24	71
Medical Sc. -Other Instt.	15	12	27	28	10	38	43	22	65
<b>Sub-Total (P.G. Diploma) :</b>	<b>65</b>	<b>52</b>	<b>117</b>	<b>50</b>	<b>26</b>	<b>76</b>	<b>115</b>	<b>78</b>	<b>193</b>
<i>Certificate Course</i>									
Pali	14	4	18	0	0	0	14	4	18
Tibetan	3	1	4	0	0	0	3	1	4
Forensic Science	10	11	21	0	0	0	10	11	21
<b>Sub-Total (Certificate) :</b>	<b>27</b>	<b>16</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>16</b>	<b>43</b>
<i>Post-Intensive Advanced Diploma Course</i>									
Chinese	4	3	7	0	0	0	4	3	7
Japanese	12	4	16	0	0	0	12	4	16
<b>Sub-Total (Post Int. Adv. Dip.) :</b>	<b>16</b>	<b>7</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>7</b>	<b>23</b>
<i>Post-Graduate Certificate Course</i>									
Hindi Journalism	11	6	17	0	0	0	11	6	17
<b>Sub-Total (PG Certificate) :</b>	<b>11</b>	<b>6</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>6</b>	<b>17</b>
<b>Total (Cert./Diploma/Course) :</b>	<b>244</b>	<b>168</b>	<b>412</b>	<b>63</b>	<b>34</b>	<b>97</b>	<b>307</b>	<b>202</b>	<b>509</b>

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total

## B. Colleges

### Diploma

Dietetics & Public Health Nut.	0	32	32	0	0	0	0	32	32
<b>Sub-Total (Diploma) :</b>	<b>0</b>	<b>32</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>32</b>

### P.G. Diploma

Fine Arts	1	3	4	1	1	2	2	4	6
International Marketing	22	22	44	0	0	0	22	22	44
Global Business Operation	51	13	64	36	16	52	87	29	116
Tourism	12	1	13	7	9	16	19	10	29
Development Therapy	2	3	5	0	0	0	2	3	5
Special Education	3	15	18	0	0	0	3	15	18
Anaesthesiology (D.A.)	7	4	11	6	3	9	13	7	20
Dermat.& Venereology (DD)	0	1	1	0	2	2	0	3	3
Radio-Diagnosis (DMRD)	1	1	2	2	0	2	3	1	4
Obstt.& Gynaecology (DGO)	0	14	14	0	12	12	0	26	26
Ophthalmology (D.O.)	3	2	5	2	3	5	5	5	10
Otorhinolaryngology (DLO)	0	0	0	1	0	1	1	0	1
Tub.& Chest Diseases (DT)	4	3	7	5	4	9	9	7	16
Paediatrics (DCH)	4	6	10	7	2	9	11	8	19
Nano Technology	13	16	29	0	0	0	13	16	29

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Computer Applications	34	23	57	32	27	59	66	50	116
Bio-Chemical Tech.	6	13	19	0	0	0	6	13	19
Cosmetology (One year)	6	1	7	0	0	0	6	1	7
<b>Sub-Total (P.G. Diploma) :</b>	<b>169</b>	<b>141</b>	<b>310</b>	<b>99</b>	<b>79</b>	<b>178</b>	<b>268</b>	<b>220</b>	<b>488</b>
<b>Total (Cert./Diploma/Course) :</b>	<b>169</b>	<b>173</b>	<b>342</b>	<b>99</b>	<b>79</b>	<b>178</b>	<b>268</b>	<b>252</b>	<b>520</b>
<b>Grand-Total (Cert./Diploma/Course) :</b>	<b>413</b>	<b>341</b>	<b>754</b>	<b>162</b>	<b>113</b>	<b>275</b>	<b>575</b>	<b>454</b>	<b>1029</b>

**Statement showing the College-wise and Subject-wise distribution of Students during the Academic Session (2010-11)**

**B.A. (Vocational Studies)**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
College of Vocational Studies	134	98	232	216	168	384	151	157	308	501	423	924
<b>Total (Day) :</b>	<b>134</b>	<b>98</b>	<b>232</b>	<b>216</b>	<b>168</b>	<b>384</b>	<b>151</b>	<b>157</b>	<b>308</b>	<b>501</b>	<b>423</b>	<b>924</b>
<b>Grand Total :</b>	<b>134</b>	<b>98</b>	<b>232</b>	<b>216</b>	<b>168</b>	<b>384</b>	<b>151</b>	<b>157</b>	<b>308</b>	<b>501</b>	<b>423</b>	<b>924</b>

**B.A. Programme**

A.R.S.D. College	85	35	120	63	44	107	59	18	77	207	97	304
Bharati College (W)	0	180	180	0	153	153	0	138	138	0	471	471
Bhim Rao Ambedkar College	109	164	273	91	151	242	63	138	201	263	453	716
Daulat Ram College (W)	0	85	85	0	96	96	0	74	74	0	255	255
Deen Dayal Upadhyaya College	59	32	91	50	23	73	38	13	51	147	68	215
Delhi College of Arts & Commerce	97	29	126	73	33	106	64	30	94	234	92	326
Deshbandhu College	59	46	105	38	45	83	76	48	124	173	139	312
Dyal Singh College	159	79	238	118	62	180	119	48	167	396	189	585
Gargi College (W)	0	166	166	0	116	116	0	113	113	0	395	395
Hans Raj College	95	54	149	56	34	90	57	23	80	208	111	319
Hindu College	34	15	49	29	8	37	27	4	31	90	27	117
Indraprastha College for Women	0	193	193	0	133	133	0	131	131	0	457	457
Janki Devi Memorial College (W)	0	240	240	0	176	176	0	155	155	0	571	571
Jesus & Mary College (W)	0	316	316	0	288	288	0	227	227	0	831	831
Kalindi College (W)	0	225	225	0	198	198	0	139	139	0	562	562

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Kamala Nehru College (W)	0	136	136	0	109	109	0	73	73	0	318	318
Kirori Mal College	68	31	99	56	20	76	51	14	65	175	65	240
Lady Shri Ram College (W)	0	57	57	0	42	42	0	50	50	0	149	149
Lakshmibai College (W)	0	525	525	0	439	439	0	330	330	0	1294	1294
Maitreyi College (W)	0	178	178	0	138	138	0	93	93	0	409	409
Mata Sundri College (W)	0	260	260	0	195	195	0	212	212	0	667	667
Miranda House (W)	0	157	157	0	146	146	0	126	126	0	429	429
Moti Lal Nehru College	196	127	323	121	94	215	103	75	178	420	296	716
P.G.D.A.V. College	117	60	177	109	37	146	66	37	103	292	134	426
Rajdhani College	210	53	263	96	40	136	76	33	109	382	126	508
Ram Lal Anand College	69	33	102	39	24	63	22	25	47	130	82	212
Ramjas College	78	11	89	73	21	94	76	34	110	227	66	293
SGTB Khalsa College	77	26	103	53	13	66	46	21	67	176	60	236
Satyawati College	278	49	327	161	36	197	124	39	163	563	124	687
Shaheed Bhagat Singh College	67	21	88	47	27	74	49	25	74	163	73	236
Shivaji College	164	30	194	84	23	107	94	9	103	342	62	404
Shyam Lal College	117	64	181	69	51	120	51	48	99	237	163	400
Shyama Prasad Mukherji College (W)	0	303	303	0	277	277	0	250	250	0	830	830
Sri Aurobindo College	244	67	311	162	64	226	116	66	182	522	197	719
Sri Venkateswara College	84	45	129	62	34	96	44	25	69	190	104	294
St. Stephen's College	35	28	63	31	27	58	40	24	64	106	79	185
Swami Shraddhanand College	214	74	288	110	37	147	94	51	145	418	162	580
Vivekananda College (W)	0	185	185	0	132	132	0	138	138	0	455	455
Zakir Husain College	171	87	258	123	81	204	131	60	191	425	228	653
Bhagini Nivedita College (W)	0	264	264	0	163	163	0	167	167	0	594	594
Aditi Mahavidhyalaya (W)	0	457	457	0	236	236	0	223	223	0	916	916

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Maharaja Agrasen Co-Edn. College	50	103	153	40	72	112	34	65	99	124	240	364
Sri Guru Nanak Dev Khalsa College	123	31	154	56	21	77	48	34	82	227	86	313
<b>Total (Day) :</b>	<b>3059</b>	<b>5321</b>	<b>8380</b>	<b>2010</b>	<b>4159</b>	<b>6169</b>	<b>1768</b>	<b>3646</b>	<b>5414</b>	<b>6837</b>	<b>13126</b>	<b>19963</b>
Deshbandhu College (Eve.)	100	60	160	65	38	103	63	28	91	228	126	354
Dyal Singh College (Eve.)	270	95	365	207	78	285	162	68	230	639	241	880
Moti Lal Nehru College (Eve.)	321	33	354	235	42	277	133	36	169	689	111	800
P.G.D.A.V. College (Eve.)	251	65	316	150	74	224	82	50	132	483	189	672
Ram Lal Anand College (Eve.)	166	26	192	126	27	153	87	26	113	379	79	458
Satyawati College (Eve.)	286	49	335	147	25	172	83	22	105	516	96	612
Shaheed Bhagat Singh College (Eve.)	120	78	198	99	35	134	79	33	112	298	146	444
Shyam Lal College (Eve.)	135	42	177	92	33	125	84	35	119	311	110	421
Sri Aurobindo College (Eve.)	218	42	260	141	24	165	96	25	121	455	91	546
Zakir Husain P.G. Evening College	230	28	258	142	23	165	115	14	129	487	65	552
<b>Total (Eve) :</b>	<b>2097</b>	<b>518</b>	<b>2615</b>	<b>1404</b>	<b>399</b>	<b>1803</b>	<b>984</b>	<b>337</b>	<b>1321</b>	<b>4485</b>	<b>1254</b>	<b>5739</b>
<b>Total (Day + Eve) :</b>	<b>5156</b>	<b>5839</b>	<b>10995</b>	<b>3414</b>	<b>4558</b>	<b>7972</b>	<b>2752</b>	<b>3983</b>	<b>6735</b>	<b>11322</b>	<b>14380</b>	<b>25702</b>
<b>Total (Regular) :</b>	<b>5156</b>	<b>5839</b>	<b>10995</b>	<b>3414</b>	<b>4558</b>	<b>7972</b>	<b>2752</b>	<b>3983</b>	<b>6735</b>	<b>11322</b>	<b>14380</b>	<b>25702</b>
Non-Collegiate Women's Edn. Board	0	2484	2484	0	2235	2235	0	2224	2224	0	6943	6943
School of Open Learning	31281	32673	63954	16958	19773	36731	10512	14047	24559	58751	66493	125244
<b>Total(Nonformal) :</b>	<b>31281</b>	<b>35157</b>	<b>66438</b>	<b>16958</b>	<b>22008</b>	<b>38966</b>	<b>10512</b>	<b>16271</b>	<b>26783</b>	<b>58751</b>	<b>73436</b>	<b>132187</b>
<b>Grand Total :</b>	<b>36437</b>	<b>40996</b>	<b>77433</b>	<b>20372</b>	<b>26566</b>	<b>46938</b>	<b>13264</b>	<b>20254</b>	<b>33518</b>	<b>70073</b>	<b>87816</b>	<b>157889</b>

**B.A. (Hons.) College-wise distribution and Subject-wise distribution of students during the Academic Session (2010-11)**

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	179	154	333	95	87	182	74	58	132	348	299	647
Bharati College (W)	0	243	243	0	156	156	0	128	128	0	527	527
Bhim Rao Ambedkar College	133	108	241	96	87	183	63	77	140	292	272	564
College of Vocational Studies	58	33	91	52	50	102	47	33	80	157	116	273
Daulat Ram College (W)	0	505	505	0	414	414	0	290	290	0	1209	1209
Deen Dayal Upadhyaya College	12	28	40	4	16	20	4	33	37	20	77	97
Delhi College of Arts & Commerce	150	79	229	90	51	141	62	47	109	302	177	479
Deshbandhu College	187	168	355	107	114	221	96	84	180	390	366	756
Dyal Singh College	291	179	470	133	142	275	100	98	198	524	419	943
Gargi College (W)	0	393	393	0	282	282	0	180	180	0	855	855
Hans Raj College	209	177	386	145	135	280	121	94	215	475	406	881
Hindu College	205	165	370	147	133	280	112	127	239	464	425	889
Indraprastha College for Women	0	440	440	0	371	371	0	291	291	0	1102	1102
Janki Devi Memorial College (W)	0	473	473	0	256	256	0	188	188	0	917	917
Jesus & Mary College (W)	0	361	361	0	315	315	0	259	259	0	935	935
Kalindi College (W)	0	467	467	0	255	255	0	182	182	0	904	904
Kamala Nehru College (W)	0	524	524	0	359	359	0	313	313	0	1196	1196
Kirori Mal College	207	134	341	182	104	286	129	97	226	518	335	853
Lady Shri Ram College (W)	0	623	623	0	464	464	0	413	413	0	1500	1500
Lakshmibai College (W)	0	533	533	0	334	334	0	308	308	0	1175	1175
Maitreyi College (W)	0	333	333	0	191	191	0	146	146	0	670	670
Mata Sundri College (W)	0	416	416	0	399	399	0	272	272	0	1087	1087

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Miranda House (W)	0	447	447	0	336	336	0	321	321	0	1104	1104
Moti Lal Nehru College	126	68	194	83	63	146	69	59	128	278	190	468
P.G.D.A.V. College	225	158	383	95	109	204	74	83	157	394	350	744
Rajdhani College	230	126	356	122	67	189	96	45	141	448	238	686
Ramlal Anand College	187	123	310	123	65	188	71	60	131	381	248	629
Ramjas College	227	144	371	159	109	268	136	85	221	522	338	860
S.G.T.B. Khalsa College	228	153	381	168	118	286	131	115	246	527	386	913
Satyawati College	259	82	341	144	64	208	86	52	138	489	198	687
Shaheed Bhagat Singh College	215	83	298	170	84	254	142	81	223	527	248	775
Shivaji College	255	96	351	144	74	218	104	37	141	503	207	710
Shyam Lal College	121	121	242	81	103	184	58	59	117	260	283	543
Shyama Prasad Mukherji College (W)	0	287	287	0	230	230	0	196	196	0	713	713
Sri Aurobindo College	112	59	171	32	43	75	38	36	74	182	138	320
Sri G. G. S. College of Commerce	72	53	125	34	69	103	45	56	101	151	178	329
Shri Ram College of Commerce	76	124	200	32	78	110	26	53	79	134	255	389
Sri Venkateswara College	206	179	385	97	122	219	79	85	164	382	386	768
St. Stephen's College	65	116	181	67	85	152	78	105	183	210	306	516
Swami Shraddhanand College	222	77	299	92	39	131	70	30	100	384	146	530
Vivekananda College (W)	0	241	241	0	178	178	0	148	148	0	567	567
Zakir Husain College	242	131	373	154	112	266	137	109	246	533	352	885
Bhagini Nivedita College (W)	0	28	28	0	10	10	0	22	22	0	60	60
Keshav Mahavidyalaya	10	20	30	1	34	35	0	21	21	11	75	86



College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Aditi Mahavidyalya (W)	0	95	95	0	69	69	0	47	47	0	211	211
Maharaja Agrasen Co-Ed. College	78	127	205	51	98	149	51	84	135	180	309	489
Sri Guru Nanak Dev Khalsa College	169	107	276	115	75	190	70	72	142	354	254	608
<b>Total (Day) :</b>	<b>4956</b>	<b>9781</b>	<b>14737</b>	<b>3015</b>	<b>7149</b>	<b>10164</b>	<b>2369</b>	<b>5779</b>	<b>8148</b>	<b>10340</b>	<b>22709</b>	<b>33049</b>
Deshbandhu College (Eve.)	73	78	151	62	36	98	39	19	58	174	133	307
Dyal Singh College (Eve.)	139	71	210	80	42	122	55	36	91	274	149	423
Moti Lal Nehru College (Eve.)	81	20	101	46	16	62	26	8	34	153	44	197
P.G.D.A.V. College (Eve.)	88	30	118	43	24	67	27	29	56	158	83	241
Ram Lal Anand College (Eve.)	199	78	277	95	51	146	78	38	116	372	167	539
Satyawati College (Eve.)	178	40	218	74	28	102	75	16	91	327	84	411
Shaheed Bhagat Singh College (Eve.)	89	38	127	75	21	96	37	12	49	201	71	272
Shyam Lal College (Eve.)	110	35	145	61	18	79	32	23	55	203	76	279
Sri Aurobindo College (Eve.)	79	27	106	16	15	31	10	11	21	105	53	158
Zakir Husain P.G. Evening College	113	21	134	50	13	63	24	4	28	187	38	225
<b>Total (Eve) :</b>	<b>1149</b>	<b>438</b>	<b>1587</b>	<b>602</b>	<b>264</b>	<b>866</b>	<b>403</b>	<b>196</b>	<b>599</b>	<b>2154</b>	<b>898</b>	<b>3052</b>
<b>Total (Day + Eve) :</b>	<b>6105</b>	<b>10219</b>	<b>16324</b>	<b>3617</b>	<b>7413</b>	<b>11030</b>	<b>2772</b>	<b>5975</b>	<b>8747</b>	<b>12494</b>	<b>23607</b>	<b>36101</b>

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
<i>Department</i>												
Germanic & Romance Studies	82	81	163	50	58	108	28	51	79	160	190	350
<b>Total (Fac./Deptt./Centre) :</b>	<b>82</b>	<b>81</b>	<b>163</b>	<b>50</b>	<b>58</b>	<b>108</b>	<b>28</b>	<b>51</b>	<b>79</b>	<b>160</b>	<b>190</b>	<b>350</b>
<b>Total (Regular) :</b>	<b>6187</b>	<b>10300</b>	<b>16487</b>	<b>3667</b>	<b>7471</b>	<b>11138</b>	<b>2800</b>	<b>6026</b>	<b>8826</b>	<b>12654</b>	<b>23797</b>	<b>36451</b>
School of Open Learning	2646	3077	5723	933	1376	2309	503	863	1366	4082	5316	9398
<b>Total (Nonformal) :</b>	<b>2646</b>	<b>3077</b>	<b>5723</b>	<b>933</b>	<b>1376</b>	<b>2309</b>	<b>503</b>	<b>863</b>	<b>1366</b>	<b>4082</b>	<b>5316</b>	<b>9398</b>
<b>Grand Total :</b>	<b>8833</b>	<b>13377</b>	<b>22210</b>	<b>4600</b>	<b>8847</b>	<b>13447</b>	<b>3303</b>	<b>6889</b>	<b>10192</b>	<b>16736</b>	<b>29113</b>	<b>45849</b>

**B.A.(Hons.) Subject-wise distribution of students during the Academic Session (2010-11)**

Subject/Course	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Arabic	9	2	11	8	1	9	5	3	8	22	6	28
Applied Psychology	36	116	152	14	102	116	10	94	104	60	312	372
Bengali	0	5	5	2	7	9	3	2	5	5	14	19
English	619	1804	2423	387	1327	1714	279	995	1274	1285	4126	5411
Hindi	1021	1429	2450	522	1010	1532	403	836	1239	1946	3275	5221
Punjabi	42	43	85	13	43	56	7	24	31	62	110	172
Persian	9	6	15	4	6	10	5	3	8	18	15	33
Philosophy	55	393	448	38	249	287	26	218	244	119	860	979
Psychology	31	296	327	10	284	294	11	233	244	52	813	865
Sanskrit	322	337	659	98	219	317	71	163	234	491	719	1210
Urdu	44	33	77	25	30	55	10	30	40	79	93	172
Hindi Patrakarita Evam Jan Sanchar	67	39	106	49	29	78	32	37	69	148	105	253
Journalism	29	132	161	28	108	136	18	110	128	75	350	425
French	22	19	41	8	14	22	9	19	28	39	52	91
German	18	23	41	13	20	33	2	14	16	33	57	90
Italian	19	21	40	13	12	25	7	4	11	39	37	76
Spanish	23	18	41	16	12	28	10	14	24	49	44	93
Economics	889	1488	2377	432	990	1422	369	777	1146	1690	3255	4945
History	1029	1153	2182	616	766	1382	480	534	1014	2125	2453	4578

Subject/Course	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Geography	285	258	543	222	186	408	133	121	254	640	565	1205
Pol. Science	1245	1762	3007	871	1359	2230	594	1026	1620	2710	4147	6857
Sociology	34	322	356	21	210	231	8	177	185	63	709	772
Social Work	29	60	89	22	60	82	13	43	56	64	163	227
Business Economics	206	215	421	186	191	377	147	179	326	539	585	1124
Mathematics	86	307	393	41	214	255	139	353	492	266	874	1140
Music	18	19	37	8	22	30	9	17	26	35	58	93
<b>Total :</b>	<b>6187</b>	<b>10300</b>	<b>16487</b>	<b>3667</b>	<b>7471</b>	<b>11138</b>	<b>2800</b>	<b>6026</b>	<b>8826</b>	<b>12654</b>	<b>23797</b>	<b>36451</b>

**Statement showing the College-wise and Subject-wise distribution of Students during the Academic Session (2010-2011)**

**B.A. (Hons.) Arabic**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Zakir Husain College	9	2	11	8	1	9	5	3	8	22	6	28
<b>Total (Regular) :</b>	<b>9</b>	<b>2</b>	<b>11</b>	<b>8</b>	<b>1</b>	<b>9</b>	<b>5</b>	<b>3</b>	<b>8</b>	<b>22</b>	<b>6</b>	<b>28</b>

**B.A. (Hons.) Applied Psychology**

Bhim Rao Ambedkar College	19	17	36	4	12	16	5	16	21	28	45	73
Gargi College (W)	0	29	29	0	25	25	0	22	22	0	76	76
Shyama Prasad Mukherji College (W)	0	29	29	0	29	29	0	28	28	0	86	86
Vivekananda College (W)	0	26	26	0	22	22	0	18	18	0	66	66
<b>Total (Day) :</b>	<b>19</b>	<b>101</b>	<b>120</b>	<b>4</b>	<b>88</b>	<b>92</b>	<b>5</b>	<b>84</b>	<b>89</b>	<b>28</b>	<b>273</b>	<b>301</b>
Sri Aurobindo College (Eve.)	17	15	32	10	14	24	5	10	15	32	39	71
<b>Total (Eve) :</b>	<b>17</b>	<b>15</b>	<b>32</b>	<b>10</b>	<b>14</b>	<b>24</b>	<b>5</b>	<b>10</b>	<b>15</b>	<b>32</b>	<b>39</b>	<b>71</b>
<b>Total (Day + Eve) :</b>	<b>36</b>	<b>116</b>	<b>152</b>	<b>14</b>	<b>102</b>	<b>116</b>	<b>10</b>	<b>94</b>	<b>104</b>	<b>60</b>	<b>312</b>	<b>372</b>
<b>Total (Regular) :</b>	<b>36</b>	<b>116</b>	<b>152</b>	<b>14</b>	<b>102</b>	<b>116</b>	<b>10</b>	<b>94</b>	<b>104</b>	<b>60</b>	<b>312</b>	<b>372</b>
<b>Grand Total :</b>	<b>36</b>	<b>116</b>	<b>152</b>	<b>14</b>	<b>102</b>	<b>116</b>	<b>10</b>	<b>94</b>	<b>104</b>	<b>60</b>	<b>312</b>	<b>372</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	2	2	0	3	3	0	1	1	0	6	6
Zakir Husain College	0	3	3	2	4	6	3	1	4	5	8	13
<b>Total (Day) :</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>14</b>	<b>19</b>
<b>Grand Total :</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>9</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>14</b>	<b>19</b>

**B.A. (Hons.) English**

S-45

A.R.S.D. College	10	29	39	11	21	32	3	15	18	24	65	89
Bharati College (W)	0	64	64	0	42	42	0	35	35	0	141	141
Daulat Ram College (W)	0	80	80	0	44	44	0	38	38	0	162	162
Deen Dayal Upadhyaya College	12	28	40	4	16	20	4	33	37	20	77	97
Delhi College of Arts & Commerce	24	16	40	13	16	29	8	16	24	45	48	93
Deshbandhu College	13	31	44	6	24	30	13	18	31	32	73	105
Dyal Singh College	23	50	73	15	64	79	11	23	34	49	137	186
Gargi College (W)	0	57	57	0	38	38	0	24	24	0	119	119
Hans Raj College	25	63	88	32	50	82	9	19	28	66	132	198
Hindu College	18	27	45	16	16	32	11	16	27	45	59	104
Indraprastha College for Women	0	42	42	0	35	35	0	35	35	0	112	112
Janki Devi Memorial College (W)	0	61	61	0	34	34	0	23	23	0	118	118
Jesus & Mary College (W)	0	40	40	0	50	50	0	30	30	0	120	120
Kalindi College (W)	0	101	101	0	30	30	0	20	20	0	151	151

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Kamala Nehru College (W)	0	45	45	0	39	39	0	31	31	0	115	115
Kirori Mal College	23	33	56	23	15	38	5	19	24	51	67	118
Lady Shri Ram College (W)	0	91	91	0	65	65	0	67	67	0	223	223
Lakshmibai College (W)	0	61	61	0	40	40	0	33	33	0	134	134
Maitreyi College (W)	0	41	41	0	30	30	0	24	24	0	95	95
Mata Sundri College (W)	0	56	56	0	75	75	0	60	60	0	191	191
Miranda House (W)	0	45	45	0	43	43	0	39	39	0	127	127
Moti Lal Nehru College	5	19	24	5	19	24	5	10	15	15	48	63
P.G.D.A.V. College	20	45	65	11	26	37	8	26	34	39	97	136
Rajdhani College	11	44	55	13	18	31	9	8	17	33	70	103
Ram Lal Anand College	30	44	74	14	18	32	10	19	29	54	81	135
Ramjas College	25	33	58	15	29	44	12	24	36	52	86	138
SGTB Khalsa College	19	27	46	16	20	36	9	24	33	44	71	115
Satyawati College	21	35	56	6	21	27	5	11	16	32	67	99
Shaheed Bhagat Singh College	24	16	40	20	20	40	13	15	28	57	51	108
Shivaji College	18	18	36	13	27	40	8	18	26	39	63	102
Shyam Lal College	12	31	43	5	34	39	5	13	18	22	78	100
Shyama Prasad Mukherji College (W)	0	28	28	0	34	34	0	20	20	0	82	82
Sri Aurobindo College	15	28	43	5	21	26	7	18	25	27	67	94
Sri Venkateswara College	14	45	59	12	39	51	9	27	36	35	111	146
St. Stephen's College	6	27	33	12	16	28	9	20	29	27	63	90
Swami Shraddhanand College	50	21	71	24	15	39	15	10	25	89	46	135

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Vivekananda College (W)	0	46	46	0	40	40	0	27	27	0	113	113
Zakir Husain College	16	15	31	16	6	22	12	11	23	44	32	76
Maharaja Agrasen Co-Ed. College	6	32	38	3	22	25	6	15	21	15	69	84
Sri Guru Nanak Dev Khalsa College	12	40	52	2	39	41	5	15	20	19	94	113
<b>Total (Day) :</b>	<b>452</b>	<b>1655</b>	<b>2107</b>	<b>312</b>	<b>1251</b>	<b>1563</b>	<b>211</b>	<b>949</b>	<b>1160</b>	<b>975</b>	<b>3855</b>	<b>4830</b>
Deshbandhu College (Eve.)	17	31	48	12	22	34	9	11	20	38	64	102
Dyal Singh College (Eve.)	59	43	102	37	23	60	31	20	51	127	86	213
Moti Lal Nehru College (Eve.)	17	13	30	9	8	17	5	6	11	31	27	58
Ram Lal Anand College (Eve.)	45	39	84	8	15	23	13	2	15	66	56	122
Satyawati College (Eve.)	17	15	32	3	5	8	5	7	12	25	27	52
Zakir Husain P.G. Evening College	12	8	20	6	3	9	5	0	5	23	11	34
<b>Total (Eve) :</b>	<b>167</b>	<b>149</b>	<b>316</b>	<b>75</b>	<b>76</b>	<b>151</b>	<b>68</b>	<b>46</b>	<b>114</b>	<b>310</b>	<b>271</b>	<b>581</b>
<b>Total (Day + Eve) :</b>	<b>619</b>	<b>1804</b>	<b>2423</b>	<b>387</b>	<b>1327</b>	<b>1714</b>	<b>279</b>	<b>995</b>	<b>1274</b>	<b>1285</b>	<b>4126</b>	<b>5411</b>
<b>Total (Regular) :</b>	<b>619</b>	<b>1804</b>	<b>2423</b>	<b>387</b>	<b>1327</b>	<b>1714</b>	<b>279</b>	<b>995</b>	<b>1274</b>	<b>1285</b>	<b>4126</b>	<b>5411</b>
School of Open Learning	461	983	1444	176	428	604	87	342	429	724	1753	2477
<b>Total (Nonformal) :</b>	<b>461</b>	<b>983</b>	<b>1444</b>	<b>176</b>	<b>428</b>	<b>604</b>	<b>87</b>	<b>342</b>	<b>429</b>	<b>724</b>	<b>1753</b>	<b>2477</b>
<b>Grand Total :</b>	<b>1080</b>	<b>2787</b>	<b>3867</b>	<b>563</b>	<b>1755</b>	<b>2318</b>	<b>366</b>	<b>1337</b>	<b>1703</b>	<b>2009</b>	<b>5879</b>	<b>7888</b>



**B.A. (Hons.) Hindi**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	30	18	48	10	16	26	10	11	21	50	45	95
Bharati College (W)	0	57	57	0	29	29	0	35	35	0	121	121
Daulat Ram College (W)	0	122	122	0	88	88	0	70	70	0	280	280
Deshbandhu College	12	29	41	11	22	33	14	16	30	37	67	104
Dyal Singh College	64	33	97	26	18	44	12	13	25	102	64	166
Gargi College (W)	0	43	43	0	40	40	0	26	26	0	109	109
Hans Raj College	42	18	60	33	15	48	28	15	43	103	48	151
Hindu College	26	9	35	17	21	38	15	10	25	58	40	98
Indraprastha College for Women	0	56	56	0	33	33	0	28	28	0	117	117
Janki Devi Memorial College (W)	0	56	56	0	20	20	0	30	30	0	106	106
Jesus & Mary College (W)	0	42	42	0	30	30	0	19	19	0	91	91
Kalindi College (W)	0	62	62	0	48	48	0	35	35	0	145	145
Kamala Nehru College (W)	0	44	44	0	33	33	0	32	32	0	109	109
Kirori Mal College	28	12	40	28	11	39	22	10	32	78	33	111
Lady Shri Ram College (W)	0	34	34	0	31	31	0	23	23	0	88	88
Lakshmi Bai College (W)	0	61	61	0	37	37	0	28	28	0	126	126
Maitreyi College (W)	0	44	44	0	24	24	0	17	17	0	85	85
Mata Sundri College (W)	0	86	86	0	70	70	0	53	53	0	209	209
Miranda House (W)	0	66	66	0	40	40	0	42	42	0	148	148
Moti Lal Nehru College	21	13	34	12	12	24	10	16	26	43	41	84
P.G.D.A.V. College	44	44	88	16	20	36	12	21	33	72	85	157
Rajdhani College	45	15	60	14	17	31	19	11	30	78	43	121

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Ram Lal Anand College	42	36	78	23	19	42	16	16	32	81	71	152
Ramjas College	30	16	46	26	25	51	19	19	38	75	60	135
S.G.T.B. Khalsa College	42	10	52	19	14	33	19	12	31	80	36	116
Satyawati College	36	9	45	28	10	38	8	9	17	72	28	100
Shaheed Bhagat Singh College	27	16	43	18	19	37	17	18	35	62	53	115
Shivaji College	42	9	51	21	7	28	21	0	21	84	16	100
Shyam Lal College	24	35	59	16	18	34	6	16	22	46	69	115
Shyama Prasad Mukherji College (W)	0	39	39	0	39	39	0	27	27	0	105	105
Sri Aurobindo College	36	16	52	7	7	14	15	7	22	58	30	88
Sri Venkateswara College	35	33	68	24	16	40	15	7	22	74	56	130
Swami Shraddhanand College	35	24	59	25	13	38	22	10	32	82	47	129
Vivekananda College (W)	0	45	45	0	37	37	0	31	31	0	113	113
Zakir Husain College	34	10	44	13	16	29	19	10	29	66	36	102
Bhagini Nivedita College (W)	0	28	28	0	10	10	0	22	22	0	60	60
Maharaja Agrasen Co-Ed. College	13	35	48	5	27	32	7	21	28	25	83	108
Sri Guru Nanak Dev Khalsa College	30	16	46	19	4	23	12	12	24	61	32	93
<b>Total (Day) :</b>	<b>738</b>	<b>1341</b>	<b>2079</b>	<b>411</b>	<b>956</b>	<b>1367</b>	<b>338</b>	<b>798</b>	<b>1136</b>	<b>1487</b>	<b>3095</b>	<b>4582</b>

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Deshbandhu College (Eve.)	19	23	42	17	8	25	4	3	7	40	34	74
Moti Lal Nehru College (Eve.)	28	6	34	14	4	18	5	2	7	47	12	59
P.G.D.A.V. College (Eve.)	39	18	57	14	14	28	8	17	25	61	49	110
Ram Lal Anand College (Eve.)	43	7	50	20	7	27	12	2	14	75	16	91
Satyawati College (Eve.)	35	9	44	14	6	20	14	2	16	63	17	80
Shyam Lal College (Eve.)	36	12	48	18	12	30	10	10	20	64	34	98
Sri Aurobindo College (Eve.)	62	12	74	6	1	7	5	1	6	73	14	87
Zakir Husain P.G. Evening College	21	1	22	8	2	10	7	1	8	36	4	40
<b>Total (Eve) :</b>	<b>283</b>	<b>88</b>	<b>371</b>	<b>111</b>	<b>54</b>	<b>165</b>	<b>65</b>	<b>38</b>	<b>103</b>	<b>459</b>	<b>180</b>	<b>639</b>
<b>Grand Total :</b>	<b>1021</b>	<b>1429</b>	<b>2450</b>	<b>522</b>	<b>1010</b>	<b>1532</b>	<b>403</b>	<b>836</b>	<b>1239</b>	<b>1946</b>	<b>3275</b>	<b>5221</b>
<b>B.A.(Hons.) Punjabi</b>												
Mata Sundri College (W)	0	16	16	0	16	16	0	11	11	0	43	43
S.G.T.B. Khalsa College	35	22	57	11	21	32	6	9	15	52	52	104
Sri Guru Nanak Dev Khalsa College	7	5	12	2	6	8	1	4	5	10	15	25
<b>Total (Day) :</b>	<b>42</b>	<b>43</b>	<b>85</b>	<b>13</b>	<b>43</b>	<b>56</b>	<b>7</b>	<b>24</b>	<b>31</b>	<b>62</b>	<b>110</b>	<b>172</b>
<b>Grand Total :</b>	<b>42</b>	<b>43</b>	<b>85</b>	<b>13</b>	<b>43</b>	<b>56</b>	<b>7</b>	<b>24</b>	<b>31</b>	<b>62</b>	<b>110</b>	<b>172</b>

**B.A. (Hons.) Persian**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Zakir Husain College	8	6	14	4	6	10	5	3	8	17	15	32
<b>Total (Day) :</b>	<b>8</b>	<b>6</b>	<b>14</b>	<b>4</b>	<b>6</b>	<b>10</b>	<b>5</b>	<b>3</b>	<b>8</b>	<b>17</b>	<b>15</b>	<b>32</b>
Zakir Husain P.G. Evening College	1	0	1	0	0	0	0	0	0	1	0	1
<b>Total (Eve) :</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
<b>Grand Total :</b>	<b>9</b>	<b>6</b>	<b>15</b>	<b>4</b>	<b>6</b>	<b>10</b>	<b>5</b>	<b>3</b>	<b>8</b>	<b>18</b>	<b>15</b>	<b>33</b>

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**B.A. (Hons.) Philosophy**

Daulat Ram College (W)	0	30	30	0	19	19	0	19	19	0	68	68
Gargi College (W)	0	30	30	0	22	22	0	10	10	0	62	62
Hindu College	26	12	38	17	20	37	12	8	20	55	40	95
Indraprastha College for Women	0	52	52	0	31	31	0	27	27	0	110	110
Janki Devi Memorial College (W)	0	28	28	0	17	17	0	16	16	0	61	61
Kamala Nehru College (W)	0	47	47	0	19	19	0	17	17	0	83	83
Lady Shri Ram College (W)	0	38	38	0	26	26	0	22	22	0	86	86
Lakshmibai College (W)	0	41	41	0	26	26	0	23	23	0	90	90
Mata Sundri College (W)	0	35	35	0	28	28	0	21	21	0	84	84
Miranda House (W)	0	33	33	0	21	21	0	30	30	0	84	84

College/Deptt.	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	30	30	0	14	14	0	11	11	0	55	55
St. Stephen's College	10	11	21	10	5	15	5	13	18	25	29	54
Zakir Husain College	19	6	25	11	1	12	9	1	10	39	8	47
<b>Total (Day) :</b>	<b>55</b>	<b>393</b>	<b>448</b>	<b>38</b>	<b>249</b>	<b>287</b>	<b>26</b>	<b>218</b>	<b>244</b>	<b>119</b>	<b>860</b>	<b>979</b>
<b>Total (Regular) :</b>	<b>55</b>	<b>393</b>	<b>448</b>	<b>38</b>	<b>249</b>	<b>287</b>	<b>26</b>	<b>218</b>	<b>244</b>	<b>119</b>	<b>860</b>	<b>979</b>
<b>Grand Total :</b>	<b>55</b>	<b>393</b>	<b>448</b>	<b>38</b>	<b>249</b>	<b>287</b>	<b>26</b>	<b>218</b>	<b>244</b>	<b>119</b>	<b>860</b>	<b>979</b>

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**B.A. (Hons.) Psychology**

Daulat Ram College (W)	0	24	24	0	41	41	0	30	30	0	95	95
Indraprastha College for Women	0	54	54	0	39	39	0	51	51	0	144	144
Jesus & Mary College (W)	0	46	46	0	39	39	0	36	36	0	121	121
Kamala Nehru College (W)	0	34	34	0	35	35	0	29	29	0	98	98
Lady Shri Ram College (W)	0	54	54	0	41	41	0	32	32	0	127	127
Mata Sundri College (W)	0	52	52	0	41	41	0	23	23	0	116	116
Zakir Husain College	21	12	33	9	14	23	11	11	22	41	37	78
Keshav Mahavidhyalaya	10	20	30	1	34	35	0	21	21	11	75	86
<b>Total (Day) :</b>	<b>31</b>	<b>296</b>	<b>327</b>	<b>10</b>	<b>284</b>	<b>294</b>	<b>11</b>	<b>233</b>	<b>244</b>	<b>52</b>	<b>813</b>	<b>865</b>
<b>Grand Total :</b>	<b>31</b>	<b>296</b>	<b>327</b>	<b>10</b>	<b>284</b>	<b>294</b>	<b>11</b>	<b>233</b>	<b>244</b>	<b>52</b>	<b>813</b>	<b>865</b>

**B.A. (Hons.) Sanskrit**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Bharati College (W)	0	22	22	0	25	25	0	17	17	0	64	64
Daulat Ram College (W)	0	28	28	0	19	19	0	6	6	0	53	53
Deshbandhu College	31	16	47	7	7	14	4	0	4	42	23	65
Gargi College (W)	0	24	24	0	19	19	0	8	8	0	51	51
Hans Raj College	42	2	44	14	7	21	13	4	17	69	13	82
Hindu College	13	11	24	26	4	30	12	5	17	51	20	71
Indraprastha College for Women	0	15	15	0	14	14	0	8	8	0	37	37
Janki Devi Memorial College (W)	0	13	13	0	13	13	0	5	5	0	31	31
Kalindi College (W)	0	18	18	0	3	3	0	3	3	0	24	24
Kamala Nehru College (W)	0	18	18	0	10	10	0	15	15	0	43	43
Kirori Mal College	25	5	30	6	2	8	7	2	9	38	9	47
Lady Shri Ram College (W)	0	14	14	0	9	9	0	15	15	0	38	38
Lakshmibai College (W)	0	14	14	0	8	8	0	9	9	0	31	31
Maitreyi College (W)	0	7	7	0	0	0	0	7	7	0	14	14
Mata Sundri College (W)	0	12	12	0	6	6	0	6	6	0	24	24
Miranda House (W)	0	22	22	0	12	12	0	9	9	0	43	43
Moti Lal Nehru College	38	6	44	5	0	5	3	1	4	46	7	53
P.G.D.A.V. College	26	5	31	1	5	6	2	6	8	29	16	45
Rajdhani College	40	2	42	6	3	9	3	6	9	49	11	60
Ramjas College	17	1	18	3	5	8	3	6	9	23	12	35
Satyawati College	20	1	21	9	1	10	8	5	13	37	7	44
Shivaji College	18	4	22	3	2	5	0	0	0	21	6	27

College/Deptt.	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	25	25	0	12	12	0	8	8	0	45	45
Sri Venkateswara College	30	4	34	5	1	6	3	0	3	38	5	43
St. Stephen's College	5	6	11	5	6	11	9	1	10	19	13	32
Vivekananda College (W)	0	33	33	0	20	20	0	7	7	0	60	60
Zakir Husain College	12	9	21	8	5	13	4	4	8	24	18	42
<b>Total (Day) :</b>	<b>317</b>	<b>337</b>	<b>654</b>	<b>98</b>	<b>218</b>	<b>316</b>	<b>71</b>	<b>163</b>	<b>234</b>	<b>486</b>	<b>718</b>	<b>1204</b>
Zakir Husain P.G. Evening College	5	0	5	0	1	1	0	0	0	5	1	6
<b>Total (Eve) :</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>6</b>
<b>Total (Day+Eve) :</b>	<b>322</b>	<b>337</b>	<b>659</b>	<b>98</b>	<b>219</b>	<b>317</b>	<b>71</b>	<b>163</b>	<b>234</b>	<b>491</b>	<b>719</b>	<b>1210</b>
<b>Grand Total :</b>	<b>322</b>	<b>337</b>	<b>659</b>	<b>98</b>	<b>219</b>	<b>317</b>	<b>71</b>	<b>163</b>	<b>234</b>	<b>491</b>	<b>719</b>	<b>1210</b>

**B.A. (Hons.) Urdu**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Kirori Mal College	12	10	22	10	11	21	3	10	13	25	31	56
Satyawati College	13	2	15	9	0	9	1	1	2	23	3	26
Zakir Husain College	6	13	19	3	13	16	3	16	19	12	42	54
<b>Total (Day) :</b>	<b>31</b>	<b>25</b>	<b>56</b>	<b>22</b>	<b>24</b>	<b>46</b>	<b>7</b>	<b>27</b>	<b>34</b>	<b>60</b>	<b>76</b>	<b>136</b>
Zakir Husain P.G. Evening College	13	8	21	3	6	9	3	3	6	19	17	36
<b>Total (Eve) :</b>	<b>13</b>	<b>8</b>	<b>21</b>	<b>3</b>	<b>6</b>	<b>9</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>19</b>	<b>17</b>	<b>36</b>
<b>Grand Total :</b>	<b>44</b>	<b>33</b>	<b>77</b>	<b>25</b>	<b>30</b>	<b>55</b>	<b>10</b>	<b>30</b>	<b>40</b>	<b>79</b>	<b>93</b>	<b>172</b>

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**B.A. (Hons.) Hindi Patrakarita Evam Jan Sanchar**

Bhim Rao Ambedkar College	27	6	33	13	11	24	10	7	17	50	24	74
Ram Lal Anand College	20	3	23	16	3	19	14	4	18	50	10	60
Aditi Mahavidyalaya (W)	0	21	21	0	11	11	0	13	13	0	45	45
Sri Guru Nanak Dev Khalsa College	20	9	29	20	4	24	8	13	21	48	26	74
<b>Total (Day) :</b>	<b>67</b>	<b>39</b>	<b>106</b>	<b>49</b>	<b>29</b>	<b>78</b>	<b>32</b>	<b>37</b>	<b>69</b>	<b>148</b>	<b>105</b>	<b>253</b>
<b>Grand Total :</b>	<b>67</b>	<b>39</b>	<b>106</b>	<b>49</b>	<b>29</b>	<b>78</b>	<b>32</b>	<b>37</b>	<b>69</b>	<b>148</b>	<b>105</b>	<b>253</b>



**B.A. (Hons.) Journalism**

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College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Delhi College of Arts & Commerce	12	14	26	14	7	21	8	11	19	34	32	66
Kalindi College (W)	0	37	37	0	34	34	0	31	31	0	102	102
Kamala Nehru College (W)	0	36	36	0	29	29	0	26	26	0	91	91
Lady Shri Ram College (W)	0	26	26	0	21	21	0	24	24	0	71	71
Maharaja Agrasen Co-Ed. College	17	19	36	14	17	31	10	18	28	41	54	95
<b>Grand Total :</b>	<b>29</b>	<b>132</b>	<b>161</b>	<b>28</b>	<b>108</b>	<b>136</b>	<b>18</b>	<b>110</b>	<b>128</b>	<b>75</b>	<b>350</b>	<b>425</b>

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**B.A. (Hons.) French****Department**

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Germanic & Romance Studies	22	19	41	8	14	22	9	19	28	39	52	91
<b>Grand Total :</b>	<b>22</b>	<b>19</b>	<b>41</b>	<b>8</b>	<b>14</b>	<b>22</b>	<b>9</b>	<b>19</b>	<b>28</b>	<b>39</b>	<b>52</b>	<b>91</b>

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**B.A. (Hons.) German**

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College/Department	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Germanic & Romance Studies	18	23	41	13	20	33	2	14	16	33	57	90
<b>Grand Total :</b>	<b>18</b>	<b>23</b>	<b>41</b>	<b>13</b>	<b>20</b>	<b>33</b>	<b>2</b>	<b>14</b>	<b>16</b>	<b>33</b>	<b>57</b>	<b>90</b>

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**B.A. (Hons.) Italian**

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Germanic & Romance Studies	19	21	40	13	12	25	7	4	11	39	37	76
<b>Grand Total :</b>	<b>19</b>	<b>21</b>	<b>40</b>	<b>13</b>	<b>12</b>	<b>25</b>	<b>7</b>	<b>4</b>	<b>11</b>	<b>39</b>	<b>37</b>	<b>76</b>

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**B.A. (Hons.) Spanish**

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Germanic & Romance Studies	23	18	41	16	12	28	10	14	24	49	44	93
<b>Grand Total :</b>	<b>23</b>	<b>18</b>	<b>41</b>	<b>16</b>	<b>12</b>	<b>28</b>	<b>10</b>	<b>14</b>	<b>24</b>	<b>49</b>	<b>44</b>	<b>93</b>

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**B.A. (Hons.) Economics**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	41	45	86	19	27	46	12	12	24	72	84	156
College of Vocational Studies	12	17	29	9	20	29	12	12	24	33	49	82
Daulat Ram College (W)	0	103	103	0	78	78	0	45	45	0	226	226
Delhi College of Arts & Commerce	34	26	60	22	15	37	12	12	24	68	53	121
Deshbandhu College	36	46	82	16	13	29	14	11	25	66	70	136
Dyal Singh College	37	39	76	9	20	29	5	20	25	51	79	130
Hans Raj College	67	72	139	38	52	90	39	40	79	144	164	308
Hindu College	39	29	68	14	23	37	14	26	40	67	78	145
Indraprastha College for Women	0	50	50	0	56	56	0	24	24	0	130	130
Janki Devi Memorial College (W)	0	62	62	0	43	43	0	23	23	0	128	128
Jesus & Mary College (W)	0	48	48	0	45	45	0	44	44	0	137	137
Kalindi College (W)	0	46	46	0	32	32	0	26	26	0	104	104
Kamala Nehru College (W)	0	43	43	0	31	31	0	22	22	0	96	96
Kirori Mal College	47	31	78	25	23	48	18	28	46	90	82	172
Lady Shri Ram College (W)	0	117	117	0	67	67	0	70	70	0	254	254
Lakshmibai College (W)	0	78	78	0	27	27	0	19	19	0	124	124
Maitreyi College (W)	0	65	65	0	31	31	0	17	17	0	113	113
Miranda House (W)	0	62	62	0	40	40	0	45	45	0	147	147
Moti Lal Nehru College	25	11	36	20	11	31	11	11	22	56	33	89
P.G.D.A.V. College	29	15	44	5	15	20	8	2	10	42	32	74
Rajdhani College	32	38	70	25	8	33	13	11	24	70	57	127
Ramjas College	61	59	120	34	23	57	27	14	41	122	96	218

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
S.G.T.B. Khalsa College	34	26	60	26	16	42	23	27	50	83	69	152
Satyawati College	25	15	40	10	18	28	7	16	23	42	49	91
Shaheed Bhagat Singh College	30	19	49	22	15	37	20	8	28	72	42	114
Shivaji College	45	18	63	24	7	31	12	3	15	81	28	109
Shyam Lal College	14	21	35	8	15	23	11	17	28	33	53	86
Shyama Prasad Mukherji College (W)	0	22	22	0	21	21	0	17	17	0	60	60
Sri G.G.S. College of Commerce	34	27	61	12	42	54	20	34	54	66	103	169
Shri Ram College of Commerce	76	124	200	32	78	110	26	53	79	134	255	389
Sri Venkateswara College	39	37	76	8	24	32	11	17	28	58	78	136
St. Stephen's College	18	34	52	12	32	44	14	32	46	44	98	142
Zakir Husain College E	17	8	25	12	7	19	12	6	18	41	21	62
<b>Total (Day) :</b>	<b>792</b>	<b>1453</b>	<b>2245</b>	<b>402</b>	<b>975</b>	<b>1377</b>	<b>341</b>	<b>764</b>	<b>1105</b>	<b>1535</b>	<b>3192</b>	<b>4727</b>
Ram Lal Anand College (Eve.)	32	13	45	9	7	16	14	6	20	55	26	81
Satyawati College (Eve.)	36	9	45	11	8	19	9	4	13	56	21	77
Shyam Lal College (Eve.)	29	13	42	10	0	10	5	3	8	44	16	60
<b>Total (Eve) :</b>	<b>97</b>	<b>35</b>	<b>132</b>	<b>30</b>	<b>15</b>	<b>45</b>	<b>28</b>	<b>13</b>	<b>41</b>	<b>155</b>	<b>63</b>	<b>218</b>
<b>Grand Total :</b>	<b>889</b>	<b>1488</b>	<b>2377</b>	<b>432</b>	<b>990</b>	<b>1422</b>	<b>369</b>	<b>777</b>	<b>1146</b>	<b>1690</b>	<b>3255</b>	<b>4945</b>

**B.A. (Hons.) History**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	41	13	54	15	11	26	12	8	20	68	32	100
Bharati College (W)	0	37	37	0	17	17	0	16	16	0	70	70
College of Vocational Studies	18	8	26	20	11	31	13	4	17	51	23	74
Daulat Ram College (W)	0	59	59	0	51	51	0	19	19	0	129	129
Delhi College of Arts & Commerce	38	11	49	21	8	29	22	4	26	81	23	104
Deshbandhu College	56	20	76	34	15	49	23	16	39	113	51	164
Dyal Singh College	68	18	86	24	12	36	21	4	25	113	34	147
Gargi College (W)	0	59	59	0	29	29	0	21	21	0	109	109
Hans Raj College	33	22	55	28	11	39	21	9	30	82	42	124
Hindu College	24	12	36	22	10	32	21	10	31	67	32	99
Indraprastha College for Women	0	33	33	0	29	29	0	22	22	0	84	84
Janki Devi Memorial College (W)	0	76	76	0	27	27	0	25	25	0	128	128
Jesus & Mary College (W)	0	45	45	0	40	40	0	28	28	0	113	113
Kalindi College (W)	0	60	60	0	31	31	0	17	17	0	108	108
Kamala Nehru College (W)	0	53	53	0	33	33	0	28	28	0	114	114
Kirori Mal College	19	13	32	27	9	36	23	5	28	69	27	96
Lady Shri Ram College (W)	0	84	84	0	78	78	0	47	47	0	209	209
Lakshmibai College (W)	0	71	71	0	39	39	0	26	26	0	136	136
Maitreyi College (W)	0	54	54	0	21	21	0	25	25	0	100	100
Mata Sundri College (W)	0	44	44	0	36	36	0	22	22	0	102	102

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Miranda House (W)	0	46	46	0	43	43	0	37	37	0	126	126
Moti Lal Nehru College	18	7	25	21	11	32	14	3	17	53	21	74
P.G.D.A.V. College	29	15	44	19	18	37	11	10	21	59	43	102
Rajdhani College	52	18	70	36	7	43	23	4	27	111	29	140
Ram Lal Anand College	48	24	72	34	11	45	10	6	16	92	41	133
Ramjas College	58	14	72	42	12	54	44	4	48	144	30	174
S.G.T.B. Khalsa College	49	15	64	34	9	43	24	8	32	107	32	139
Satyawati College	41	3	44	30	5	35	22	4	26	93	12	105
Shaheed Bhagat Singh College	35	8	43	30	8	38	23	6	29	88	22	110
Shivaji College	58	10	68	21	5	26	16	4	20	95	19	114
Shyam Lal College	30	15	45	23	7	30	15	3	18	68	25	93
Shyama Prasad Mukherji College (W)	0	40	40	0	25	25	0	12	12	0	77	77
Sri Venkateswara College	40	17	57	18	10	28	16	7	23	74	34	108
St. Stephen's College	26	38	64	28	26	54	29	26	55	83	90	173
Swami Shraddhanand College	70	22	92	11	5	16	15	6	21	96	33	129
Vivekananda College (W)	0	46	46	0	23	23	0	18	18	0	87	87
Zakir Husain College	22	14	36	11	14	25	13	15	28	46	43	89
Sri Guru Nanak Dev Khalsa College	57	5	62	9	1	10	10	4	14	76	10	86
<b>Total (Day) :</b>	<b>930</b>	<b>1149</b>	<b>2079</b>	<b>558</b>	<b>758</b>	<b>1316</b>	<b>441</b>	<b>533</b>	<b>974</b>	<b>1929</b>	<b>2440</b>	<b>4369</b>

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Moti Lal Nehru College (Eve.)	36	1	37	23	4	27	16	0	16	75	5	80
Satyawati College (Eve.)	34	3	37	22	4	26	18	1	19	74	8	82
Zakir Husain P.G. Evening College	29	0	29	13	0	13	5	0	5	47	0	47
<b>Total (Eve) :</b>	<b>99</b>	<b>4</b>	<b>103</b>	<b>58</b>	<b>8</b>	<b>66</b>	<b>39</b>	<b>1</b>	<b>40</b>	<b>196</b>	<b>13</b>	<b>209</b>
<b>Grand Total :</b>	<b>1029</b>	<b>1153</b>	<b>2182</b>	<b>616</b>	<b>766</b>	<b>1382</b>	<b>480</b>	<b>534</b>	<b>1014</b>	<b>2125</b>	<b>2453</b>	<b>4578</b>

#### B.A. (Hons.) Geography

Bhim Rao Ambedkar College	30	28	58	31	27	58	10	21	31	71	76	147
Dyal Singh College	41	12	53	27	11	38	18	13	31	86	36	122
Kamala Nehru College (W)	0	54	54	0	30	30	0	22	22	0	106	106
Kirori Mal College	29	12	41	32	18	50	22	8	30	83	38	121
Miranda House (W)	0	52	52	0	36	36	0	26	26	0	114	114
Shaheed Bhagat Singh College	38	8	46	31	8	39	25	9	34	94	25	119
Shivaji College	32	23	55	32	18	50	16	6	22	80	47	127
Swami Shraddhanand College	67	10	77	32	6	38	18	4	22	117	20	137
Aditi Mahavidyalaya (W)	0	39	39	0	20	20	0	7	7	0	66	66
<b>Total (Day) :</b>	<b>237</b>	<b>238</b>	<b>475</b>	<b>185</b>	<b>174</b>	<b>359</b>	<b>109</b>	<b>116</b>	<b>225</b>	<b>531</b>	<b>528</b>	<b>1059</b>

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shaheed Bhagat Singh College (Eve.)	48	20	68	37	12	49	24	5	29	109	37	146
<b>Total (Eve) :</b>	<b>48</b>	<b>20</b>	<b>68</b>	<b>37</b>	<b>12</b>	<b>49</b>	<b>24</b>	<b>5</b>	<b>29</b>	<b>109</b>	<b>37</b>	<b>146</b>
<b>Grand Total :</b>	<b>285</b>	<b>258</b>	<b>543</b>	<b>222</b>	<b>186</b>	<b>408</b>	<b>133</b>	<b>121</b>	<b>254</b>	<b>640</b>	<b>565</b>	<b>1205</b>

#### B.A. (Hons.) Political Science

A.R.S.D. College	57	49	106	40	12	52	34	10	44	131	71	202
Bharati College (W)	0	63	63	0	43	43	0	25	25	0	131	131
Daulat Ram College (W)	0	56	56	0	70	70	0	55	55	0	181	181
Delhi College of Arts & Commerce	42	12	54	20	5	25	12	4	16	74	21	95
Deshbandhu College	39	26	65	33	33	66	25	18	43	97	77	174
Dyal Singh College	58	27	85	32	17	49	23	19	42	113	63	176
Gargi College (W)	0	111	111	0	72	72	0	41	41	0	224	224
Hindu College	30	35	65	19	19	38	16	25	41	65	79	144
Indraprastha College for Women	0	91	91	0	99	99	0	63	63	0	253	253
Janki Devi Memorial College (W)	0	89	89	0	52	52	0	36	36	0	177	177
Jesus & Mary College (W)	0	42	42	0	42	42	0	29	29	0	113	113
Kalindi College (W)	0	143	143	0	77	77	0	50	50	0	270	270
Kamala Nehru College (W)	0	87	87	0	64	64	0	49	49	0	200	200
Kirori Mal College	24	18	42	31	15	46	24	12	36	79	45	124
Lady Shri Ram College (W)	0	87	87	0	66	66	0	64	64	0	217	217
Lakshmibai College (W)	0	122	122	0	108	108	0	92	92	0	322	322



College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Maitreyi College (W)	0	79	79	0	60	60	0	38	38	0	177	177
Mata Sundri College (W)	0	76	76	0	81	81	0	50	50	0	207	207
Miranda House (W)	0	71	71	0	54	54	0	35	35	0	160	160
Moti Lal Nehru College	19	12	31	20	10	30	12	15	27	51	37	88
P.G.D.A.V. College	46	25	71	24	17	41	23	14	37	93	56	149
Rajdhani College	50	9	59	28	14	42	25	2	27	103	25	128
Ram Lal Anand College	47	16	63	36	14	50	21	15	36	104	45	149
Ramjas College	29	19	48	35	15	50	24	16	40	88	50	138
S.G.T.B. Khalsa College	24	16	40	30	13	43	16	11	27	70	40	110
Satyawati College	72	10	82	47	7	54	29	2	31	148	19	167
Shaheed Bhagat Singh College	37	5	42	32	8	40	24	8	32	93	21	114
Shivaji College	42	14	56	30	8	38	23	4	27	95	26	121
Shyam Lal College	41	19	60	29	29	58	21	10	31	91	58	149
Shyama Prasad Mukherji College (W)	0	74	74	0	56	56	0	60	60	0	190	190
Sri Aurobindo College	61	15	76	20	15	35	16	11	27	97	41	138
Sri Venkateswara College	32	19	51	21	15	36	15	11	26	68	45	113
Vivekananda College (W)	0	45	45	0	36	36	0	24	24	0	105	105
Zakir Husain College	78	33	111	57	25	82	31	26	57	166	84	250
Maharaja Agrasen Co-Ed. College	19	26	45	15	16	31	12	19	31	46	61	107
Sri Guru Nanak Dev Khalsa College	21	13	34	27	8	35	16	7	23	64	28	92
<b>Total (Day) :</b>	<b>868</b>	<b>1654</b>	<b>2522</b>	<b>626</b>	<b>1295</b>	<b>1921</b>	<b>442</b>	<b>970</b>	<b>1412</b>	<b>1936</b>	<b>3919</b>	<b>5855</b>

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Deshbandhu College (Eve.)	37	24	61	33	6	39	26	5	31	96	35	131
Dyal Singh College (Eve.)	80	28	108	43	19	62	24	16	40	147	63	210
P.G.D.A.V. College (Eve.)	49	12	61	29	10	39	13	10	23	91	32	123
Ram Lal Anand College (Eve.)	37	8	45	25	8	33	26	6	32	88	22	110
Satyawati College (Eve.)	56	4	60	24	5	29	29	2	31	109	11	120
Shaheed Bhagat Singh College (Eve.)	41	18	59	38	9	47	13	7	20	92	34	126
Shyam Lal College (Eve.)	45	10	55	33	6	39	17	10	27	95	26	121
Zakir Husain P.G. College (Eve.)	32	4	36	20	1	21	4	0	4	56	5	61
<b>Total (Eve) :</b>	<b>377</b>	<b>108</b>	<b>485</b>	<b>245</b>	<b>64</b>	<b>309</b>	<b>152</b>	<b>56</b>	<b>208</b>	<b>774</b>	<b>228</b>	<b>1002</b>
<b>Total (Regular) :</b>	<b>1245</b>	<b>1762</b>	<b>3007</b>	<b>871</b>	<b>1359</b>	<b>2230</b>	<b>594</b>	<b>1026</b>	<b>1620</b>	<b>2710</b>	<b>4147</b>	<b>6857</b>
School of Open Learning	2185	2094	4279	757	948	1705	416	521	937	3358	3563	6921
<b>Total (Nonformal) :</b>	<b>2185</b>	<b>2094</b>	<b>4279</b>	<b>757</b>	<b>948</b>	<b>1705</b>	<b>416</b>	<b>521</b>	<b>937</b>	<b>3358</b>	<b>3563</b>	<b>6921</b>
<b>Grand Total :</b>	<b>3430</b>	<b>3856</b>	<b>7286</b>	<b>1628</b>	<b>2307</b>	<b>3935</b>	<b>1010</b>	<b>1547</b>	<b>2557</b>	<b>6068</b>	<b>7710</b>	<b>13778</b>

**B.A. (Hons.) Sociology**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Hindu College	18	25	43	12	14	26	6	15	21	36	54	90
Janki Devi Memorial College (W)	0	50	50	0	22	22	0	13	13	0	85	85
Jesus & Mary College (W)	0	59	59	0	37	37	0	41	41	0	137	137
Kamala Nehru College (W)	0	47	47	0	27	27	0	28	28	0	102	102
Lady Shri Ram College (W)	0	35	35	0	29	29	0	23	23	0	87	87
Maitreyi College (W)	0	43	43	0	25	25	0	16	16	0	84	84
Miranda House (W)	0	39	39	0	39	39	0	30	30	0	108	108
Sri Venkateswara College	16	24	40	9	17	26	2	11	13	27	52	79
<b>Total (Day) :</b>	<b>34</b>	<b>322</b>	<b>356</b>	<b>21</b>	<b>210</b>	<b>231</b>	<b>8</b>	<b>177</b>	<b>185</b>	<b>63</b>	<b>709</b>	<b>772</b>
<b>Grand Total :</b>	<b>34</b>	<b>322</b>	<b>356</b>	<b>21</b>	<b>210</b>	<b>231</b>	<b>8</b>	<b>177</b>	<b>185</b>	<b>63</b>	<b>709</b>	<b>772</b>

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**B.A. (Hons.) Social Work**

Bhim Rao Ambedkar College	29	25	54	22	22	44	13	16	29	64	63	127
Aditi Mahavidyalaya (W)	0	35	35	0	38	38	0	27	27	0	100	100
<b>Total (Day) :</b>	<b>29</b>	<b>60</b>	<b>89</b>	<b>22</b>	<b>60</b>	<b>82</b>	<b>13</b>	<b>43</b>	<b>56</b>	<b>64</b>	<b>163</b>	<b>227</b>
<b>Grand Total :</b>	<b>29</b>	<b>60</b>	<b>89</b>	<b>22</b>	<b>60</b>	<b>82</b>	<b>13</b>	<b>43</b>	<b>56</b>	<b>64</b>	<b>163</b>	<b>227</b>

**B.A. (Hons.) Business Economics**

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Bhim Rao Ambedkar College	28	32	60	26	15	41	25	17	42	79	64	143
College of Vocational Studies	28	8	36	23	19	42	22	17	39	73	44	117
Gargi College (W)	0	40	40	0	37	37	0	28	28	0	105	105
Lakshmibai College (W)	0	27	27	0	25	25	0	28	28	0	80	80
S.G.T.B. Khalsa College	25	37	62	32	25	57	28	17	45	85	79	164
Sri G. G. S. College of Commerce	38	26	64	22	27	49	25	22	47	85	75	160
Maharaja Agarsen Co-Ed. College	23	15	38	14	16	30	16	11	27	53	42	95
Sri Guru Nanak Dev Khalsa College	22	19	41	36	13	49	18	17	35	76	49	125
<b>Total (Day) :</b>	<b>164</b>	<b>204</b>	<b>368</b>	<b>153</b>	<b>177</b>	<b>330</b>	<b>134</b>	<b>157</b>	<b>291</b>	<b>451</b>	<b>538</b>	<b>989</b>
Ram Lal Anand College (Eve.)	42	11	53	33	14	47	13	22	35	88	47	135
<b>Total (Eve) :</b>	<b>42</b>	<b>11</b>	<b>53</b>	<b>33</b>	<b>14</b>	<b>47</b>	<b>13</b>	<b>22</b>	<b>35</b>	<b>88</b>	<b>47</b>	<b>135</b>
<b>Grand Total :</b>	<b>206</b>	<b>215</b>	<b>421</b>	<b>186</b>	<b>191</b>	<b>377</b>	<b>147</b>	<b>179</b>	<b>326</b>	<b>539</b>	<b>585</b>	<b>1124</b>

**B.A. (Hons.) Mathematics**

College/Deptt.	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	0	0	0	3	2	5	3	2	5
Daulat Ram College (W)	0	0	0	0	0	0	0	7	7	0	7	7
Deshbandhu College	0	0	0	0	0	0	3	5	8	3	5	8
Dyal Singh College	0	0	0	0	0	0	10	6	16	10	6	16
Hans Raj College	0	0	0	0	0	0	11	7	18	11	7	18
Hindu College	0	0	0	0	0	0	2	10	12	2	10	12
Indraprastha College for Women	0	47	47	0	28	28	0	29	29	0	104	104
Janki Devi Memorial College (W)	0	38	38	0	28	28	0	17	17	0	83	83
Jesus & Mary College (W)	0	39	39	0	32	32	0	32	32	0	103	103
Kamala Nehru College (W)	0	16	16	0	9	9	0	14	14	0	39	39
Kirori Mal College	0	0	0	0	0	0	5	3	8	5	3	8
Lady Shri Ram College (W)	0	43	43	0	31	31	0	26	26	0	100	100
Lakshmibai College (W)	0	58	58	0	24	24	0	50	50	0	132	132
Maitreyi College (W)	0	0	0	0	0	0	0	2	2	0	2	2
Mata Sundri College (W)	0	39	39	0	46	46	0	26	26	0	111	111
Miranda House (W)	0	0	0	0	0	0	0	19	19	0	19	19
Moti Lal Nehru College	0	0	0	0	0	0	14	3	17	14	3	17
P.G.D.A.V. College	31	9	40	19	8	27	10	4	14	60	21	81
Rajdhani College	0	0	0	0	0	0	4	3	7	4	3	7
Ramjas College	0	0	0	0	0	0	1	0	1	1	0	1
S.G.T.B. Khalsa College	0	0	0	0	0	0	6	7	13	6	7	13

College/Deptt.	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Satyawati College	31	7	38	5	2	7	6	4	10	42	13	55
Shaheed Bhagat Singh College	24	11	35	17	6	23	20	17	37	61	34	95
Shivaji College	0	0	0	0	0	0	8	2	10	8	2	10
Shyama Prasad Mukherji College (W)	0	0	0	0	0	0	0	13	13	0	13	13
Sri Venkateswara College	0	0	0	0	0	0	8	5	13	8	5	13
St. Stephen's College	0	0	0	0	0	0	12	13	25	12	13	25
Vivekananda College (W)	0	0	0	0	0	0	0	23	23	0	23	23
Zakir Husain College	0	0	0	0	0	0	10	2	12	10	2	12
<b>Total (Day) :</b>	<b>86</b>	<b>307</b>	<b>393</b>	<b>41</b>	<b>214</b>	<b>255</b>	<b>133</b>	<b>351</b>	<b>484</b>	<b>260</b>	<b>872</b>	<b>1132</b>
P.G.D.A.V. College (Eve.)	0	0	0	0	0	0	6	2	8	6	2	8
<b>Total (Eve) :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>6</b>	<b>2</b>	<b>8</b>
<b>Grand Total :</b>	<b>86</b>	<b>307</b>	<b>393</b>	<b>41</b>	<b>214</b>	<b>255</b>	<b>139</b>	<b>353</b>	<b>492</b>	<b>266</b>	<b>874</b>	<b>1140</b>

### B.A. (Hons.) Music

Daulat Ram College (W)	0	3	3	0	4	4	0	1	1	0	8	8
Hindu College	11	5	16	4	6	10	3	2	5	18	13	31
Indraprastha College for Women	0	0	0	0	7	7	0	4	4	0	11	11
Miranda House (W)	0	9	9	0	5	5	0	8	8	0	22	22
Ramjas College	7	2	9	4	0	4	6	2	8	17	4	21
<b>Total (Regular) :</b>	<b>18</b>	<b>19</b>	<b>37</b>	<b>8</b>	<b>22</b>	<b>30</b>	<b>9</b>	<b>17</b>	<b>26</b>	<b>35</b>	<b>58</b>	<b>93</b>

**Statement showing the College-wise and Subject-wise distribution of Students during the Academic Session (2010-11)**

**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	49	79	128	52	78	130	22	53	75	123	210	333
Acharya Narendra Dev College	40	29	69	18	27	45	13	25	38	71	81	152
Bharati College (W)	0	128	128	0	83	83	0	55	55	0	266	266
Bhim Rao Ambedkar College	65	78	143	24	50	74	28	34	62	117	162	279
College of Vocational Studies	22	20	42	17	14	31	11	16	27	50	50	100
Daulat Ram College (W)	0	88	88	0	100	100	0	88	88	0	276	276
Deen Dayal Upadhyaya College	65	52	117	52	44	96	52	40	92	169	136	305
Delhi College of Arts & Commerce	84	24	108	55	17	72	41	19	60	180	60	240
Deshbandhu College	12	5	17	16	12	28	23	3	26	51	20	71
Dyal Singh College	118	81	199	54	67	121	35	58	93	207	206	413
Gargi College (W)	0	98	98	0	91	91	0	67	67	0	256	256
Hans Raj College	149	81	230	116	82	198	85	69	154	350	232	582
Hindu College	48	28	76	39	38	77	18	25	43	105	91	196
Indraprastha College for Women	0	108	108	0	83	83	0	63	63	0	254	254
Janki Devi Memorial College (W)	0	127	127	0	87	87	0	71	71	0	285	285
Jesus & Mary College (W)	0	103	103	0	106	106	0	104	104	0	313	313
Kalindi College (W)	0	35	35	0	27	27	0	22	22	0	84	84
Kamala Nehru College (W)	0	34	34	0	44	44	0	28	28	0	106	106
Kirori Mal College	58	47	105	44	25	69	36	20	56	138	92	230
Lady Shri Ram College (W)	0	110	110	0	47	47	0	40	40	0	197	197
Lakshmibai College (W)	0	88	88	0	73	73	0	69	69	0	230	230

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Maitreyi College (W)	0	64	64	0	46	46	0	39	39	0	149	149
Mata Sundri College (W)	0	109	109	0	142	142	0	173	173	0	424	424
Moti Lal Nehru College	61	58	119	48	57	105	49	29	78	158	144	302
P.G.D.A.V. College	108	55	163	74	36	110	50	39	89	232	130	362
Rajdhani College	81	27	108	68	23	91	59	26	85	208	76	284
Ram Lal Anand College	48	29	77	19	7	26	10	14	24	77	50	127
Ramjas College	67	26	93	63	33	96	45	31	76	175	90	265
S.G.T.B. Khalsa College	84	39	123	96	43	139	65	59	124	245	141	386
Satyawati College	91	44	135	71	29	100	47	48	95	209	121	330
Shaheed Bhagat Singh College	214	134	348	238	97	335	193	85	278	645	316	961
Shivaji College	113	23	136	43	11	54	31	5	36	187	39	226
Shyam Lal College	99	54	153	52	46	98	27	33	60	178	133	311
Shyama Prasad Mukherji College (W)	0	57	57	0	55	55	0	50	50	0	162	162
Sri Aurobindo College	36	9	45	23	11	34	20	5	25	79	25	104
Sri G. G. S. College of Commerce	106	93	199	95	88	183	77	109	186	278	290	568
Shri Ram College of Commerce	291	319	610	218	340	558	167	267	434	676	926	1602
Sri Venkateswara College	64	71	135	37	37	74	19	34	53	120	142	262
Swami Shraddhanand College	87	36	123	61	23	84	25	12	37	173	71	244
Vivekananda College (W)	0	36	36	0	28	28	0	21	21	0	85	85
Zakir Husain College	82	25	107	68	21	89	42	15	57	192	61	253
Keshav Mahavidyalaya	63	84	147	45	65	110	48	65	113	156	214	370
Aditi Mahavidyalaya (W)	0	61	61	0	27	27	0	23	23	0	111	111



College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Maharaja Agrasen Co-Ed. College	67	71	138	35	53	88	30	54	84	132	178	310
Sri Guru Nanak Dev Khalsa College	59	33	92	58	44	102	47	34	81	164	111	275
<b>Total (Day) :</b>	<b>2531</b>	<b>3000</b>	<b>5531</b>	<b>1899</b>	<b>2557</b>	<b>4456</b>	<b>1415</b>	<b>2239</b>	<b>3654</b>	<b>5845</b>	<b>7796</b>	<b>13641</b>
Deshbandhu College (Eve.)	61	48	109	35	20	55	21	22	43	117	90	207
Dyal Singh College (Eve.)	78	32	110	44	20	64	21	12	33	143	64	207
Moti Lal Nehru College (Eve.)	37	10	47	23	9	32	11	3	14	71	22	93
P.G.D.A.V. College (Eve.)	51	9	60	15	14	29	5	11	16	71	34	105
Ram Lal Anand College (Eve.)	57	11	68	26	9	35	14	1	15	97	21	118
Satyawati College (Eve.)	106	25	131	47	14	61	36	11	47	189	50	239
Shaheed Bhagat Singh College (Eve.)	32	28	60	23	16	39	8	6	14	63	50	113
Shyam Lal College (Eve.)	51	9	60	32	9	41	22	8	30	105	26	131
Sri Aurobindo College (Eve.)	41	7	48	31	8	39	13	3	16	85	18	103
Zakir Husain P.G. Evening College	53	6	59	26	3	29	26	0	26	105	9	114
<b>Total (Eve) :</b>	<b>567</b>	<b>185</b>	<b>752</b>	<b>302</b>	<b>122</b>	<b>424</b>	<b>177</b>	<b>77</b>	<b>254</b>	<b>1046</b>	<b>384</b>	<b>1430</b>
<b>Total (Day + Eve) :</b>	<b>3098</b>	<b>3185</b>	<b>6283</b>	<b>2201</b>	<b>2679</b>	<b>4880</b>	<b>1592</b>	<b>2316</b>	<b>3908</b>	<b>6891</b>	<b>8180</b>	<b>15071</b>
School of Open Learning	3555	2003	5558	911	887	1798	1003	819	1822	5469	3709	9178
<b>Grand Total :</b>	<b>6653</b>	<b>5188</b>	<b>11841</b>	<b>3112</b>	<b>3566</b>	<b>6678</b>	<b>2595</b>	<b>3135</b>	<b>5730</b>	<b>12360</b>	<b>11889</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	89	53	142	89	46	135	72	39	111	250	138	388
Bharati College (W)	0	162	162	0	111	111	0	94	94	0	367	367
Bhim Rao Ambedkar College	128	64	192	69	85	154	66	64	130	263	213	476
Daulat Ram College (W)	0	51	51	0	59	59	0	76	76	0	186	186
Delhi College of Arts & Commerce	92	41	133	72	19	91	48	19	67	212	79	291
Dyal Singh College	123	72	195	79	60	139	84	56	140	286	188	474
Gargi College (W)	0	155	155	0	137	137	0	82	82	0	374	374
Janki Devi Memorial College (W)	0	69	69	0	54	54	0	61	61	0	184	184
Jesus & Mary College (W)	0	53	53	0	56	56	0	50	50	0	159	159
Kalindi College (W)	0	97	97	0	64	64	0	62	62	0	223	223
Kamala Nehru College (W)	0	106	106	0	107	107	0	83	83	0	296	296
Kirori Mal College	60	26	86	51	22	73	37	21	58	148	69	217
Lakshmibai College (W)	0	198	198	0	133	133	0	116	116	0	447	447
Maitreyi College (W)	0	82	82	0	70	70	0	57	57	0	209	209
Mata Sundri College (W)	0	236	236	0	205	205	0	260	260	0	701	701
Moti Lal Nehru College	88	49	137	99	52	151	81	33	114	268	134	402
P.G.D.A.V. College	204	71	275	71	125	196	100	31	131	375	227	602
Ram Lal Anand College	56	41	97	28	10	38	21	11	32	105	62	167
Ramjas College	42	17	59	44	8	52	31	7	38	117	32	149
S.G.T.B. Khalsa College	39	13	52	37	14	51	33	22	55	109	49	158
Satyawati College	123	28	151	86	17	103	61	26	87	270	71	341
Shaheed Bhagat Singh College	121	31	152	95	30	125	126	30	156	342	91	433

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shivaji College	139	16	155	53	3	56	59	2	61	251	21	272
Shyam Lal College	103	54	157	65	37	102	68	33	101	236	124	360
Shyama Prasad Mukherji College (W)	0	104	104	0	146	146	0	91	91	0	341	341
Sri Aurobindo College	192	40	232	153	39	192	122	31	153	467	110	577
Sri G. G. S. College of Commerce	117	74	191	76	64	140	122	82	204	315	220	535
Sri Venkateswara College	52	35	87	44	24	68	31	25	56	127	84	211
Swami Shraddhanand College	284	131	415	184	67	251	134	56	190	602	254	856
Vivekananda College (W)	0	147	147	0	125	125	0	86	86	0	358	358
Zakir Husain College	59	14	73	39	11	50	58	5	63	156	30	186
Bhagini Nivedita College (W)	0	133	133	0	64	64	0	43	43	0	240	240
Aditi Mahavidyalaya (W)	0	93	93	0	37	37	0	24	24	0	154	154
Sri Guru Nanak Dev Khalsa College	190	68	258	130	34	164	113	32	145	433	134	567
<b>Total (Day) :</b>	<b>2301</b>	<b>2624</b>	<b>4925</b>	<b>1564</b>	<b>2135</b>	<b>3699</b>	<b>1467</b>	<b>1810</b>	<b>3277</b>	<b>5332</b>	<b>6569</b>	<b>11901</b>
Deshbandhu College (Eve.)	294	102	396	157	47	204	84	48	132	535	197	732
Dyal Singh College (Eve.)	122	50	172	84	37	121	78	33	111	284	120	404
Moti Lal Nehru College (Eve.)	62	16	78	42	21	63	23	18	41	127	55	182
P.G.D.A.V. College (Eve.)	132	29	161	104	36	140	51	27	78	287	92	379
Ram Lal Anand College (Eve.)	155	34	189	107	19	126	67	14	81	329	67	396
Satyawati College (Eve.)	158	25	183	111	34	145	63	13	76	332	72	404
Shaheed Bhagat Singh College (Eve.)	284	92	376	149	105	254	122	70	192	555	267	822
Shyam Lal College (Eve.)	149	35	184	124	39	163	90	15	105	363	89	452

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Sri Aurobindo College (Eve.)	209	34	243	117	24	141	85	16	101	411	74	485
Zakir Husain P.G. Evening College	119	6	125	96	4	100	62	5	67	277	15	292
<b>Total (Eve) :</b>	<b>1684</b>	<b>423</b>	<b>2107</b>	<b>1091</b>	<b>366</b>	<b>1457</b>	<b>725</b>	<b>259</b>	<b>984</b>	<b>3500</b>	<b>1048</b>	<b>4548</b>
<b>Total (Day + Eve) :</b>	<b>3985</b>	<b>3047</b>	<b>7032</b>	<b>2655</b>	<b>2501</b>	<b>5156</b>	<b>2192</b>	<b>2069</b>	<b>4261</b>	<b>8832</b>	<b>7617</b>	<b>16449</b>
<b>Total (Regular) :</b>	<b>3985</b>	<b>3047</b>	<b>7032</b>	<b>2655</b>	<b>2501</b>	<b>5156</b>	<b>2192</b>	<b>2069</b>	<b>4261</b>	<b>8832</b>	<b>7617</b>	<b>16449</b>
Non-Collegiate Women's Edn. Board	0	1548	1548	0	1284	1284	0	1332	1332	0	4164	4164
School of Open Learning	25014	13528	38542	14019	12224	26243	10558	8063	18621	49591	33815	83406
<b>Total (Nonformal) :</b>	<b>25014</b>	<b>15076</b>	<b>40090</b>	<b>14019</b>	<b>13508</b>	<b>27527</b>	<b>10558</b>	<b>9395</b>	<b>19953</b>	<b>49591</b>	<b>37979</b>	<b>87570</b>
<b>Grand Total :</b>	<b>28999</b>	<b>18123</b>	<b>47122</b>	<b>16674</b>	<b>16009</b>	<b>32683</b>	<b>12750</b>	<b>11464</b>	<b>24214</b>	<b>58423</b>	<b>45596</b>	<b>104019</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	121	92	213	73	86	159	54	59	113	248	237	485
Deen Dayal Upadhyaya College	19	27	46	21	18	39	6	15	21	46	60	106
Keshav Mahavidyalaya	21	26	47	16	13	29	12	8	20	49	47	96
<b>Total (Day) :</b>	<b>161</b>	<b>145</b>	<b>306</b>	<b>110</b>	<b>117</b>	<b>227</b>	<b>72</b>	<b>82</b>	<b>154</b>	<b>343</b>	<b>344</b>	<b>687</b>
<b>Grand Total :</b>	<b>161</b>	<b>145</b>	<b>306</b>	<b>110</b>	<b>117</b>	<b>227</b>	<b>72</b>	<b>82</b>	<b>154</b>	<b>343</b>	<b>344</b>	<b>687</b>

**Bachelor of Financial and Investment Analysis**

Shaheed Sukhdev College of Business Studies	44	25	69	29	16	45	22	16	38	95	57	152
<b>Total (Day) :</b>	<b>44</b>	<b>25</b>	<b>69</b>	<b>29</b>	<b>16</b>	<b>45</b>	<b>22</b>	<b>16</b>	<b>38</b>	<b>95</b>	<b>57</b>	<b>152</b>

**Bachelor of Mass Media & Mass Communication**

Indraprastha College for Women	0	47	47	0	40	40	0	38	38	0	125	125
<b>Total (Day) :</b>	<b>0</b>	<b>47</b>	<b>47</b>	<b>0</b>	<b>40</b>	<b>40</b>	<b>0</b>	<b>38</b>	<b>38</b>	<b>0</b>	<b>125</b>	<b>125</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	194	41	235	58	39	97	20	12	32	272	92	364
Acharya Narendra Dev College	112	38	150	44	21	65	28	10	38	184	69	253
Deen Dayal Upadhyaya College	50	36	86	27	30	57	15	19	34	92	85	177
Deshbandhu College	115	22	137	67	26	93	31	9	40	213	57	270
Dyal Singh College	95	43	138	78	32	110	46	27	73	219	102	321
Gargi College (W)	0	60	60	0	39	39	0	17	17	0	116	116
Hans Raj College	68	14	82	27	7	34	12	10	22	107	31	138
Hindu College	62	10	72	35	19	54	8	6	14	105	35	140
Kalindi College (W)	0	36	36	0	0	0	0	0	0	0	36	36
Kirori Mal College	121	32	153	58	29	87	13	12	25	192	73	265
Maitreyi College (W)	0	78	78	0	26	26	0	19	19	0	123	123
Moti Lal Nehru College	38	30	68	30	28	58	18	18	36	86	76	162
Rajdhani College	168	64	232	26	16	42	13	14	27	207	94	301
Ramjas College	98	23	121	89	27	116	50	26	76	237	76	313
S.G.T.B. Khalsa College	70	43	113	25	13	38	23	20	43	118	76	194
Shivaji College	68	20	88	15	8	23	1	0	1	84	28	112
Shyam Lal College	184	96	280	51	53	104	19	39	58	254	188	442
Sri Aurobindo College	70	36	106	34	9	43	13	1	14	117	46	163
St. Stephen's College	17	13	30	15	10	25	5	5	10	37	28	65
Swami Shraddhanand College	103	22	125	58	13	71	9	8	17	170	43	213
Zakir Husain College	43	10	53	17	10	27	12	3	15	72	23	95
<b>Total (Day) :</b>	<b>1676</b>	<b>767</b>	<b>2443</b>	<b>754</b>	<b>455</b>	<b>1209</b>	<b>336</b>	<b>275</b>	<b>611</b>	<b>2766</b>	<b>1497</b>	<b>4263</b>
<b>Grand Total :</b>	<b>1676</b>	<b>767</b>	<b>2443</b>	<b>754</b>	<b>455</b>	<b>1209</b>	<b>336</b>	<b>275</b>	<b>611</b>	<b>2766</b>	<b>1497</b>	<b>4263</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	43	25	68	19	23	42	5	13	18	67	61	128
Daulat Ram College (W)	0	43	43	0	34	34	0	32	32	0	109	109
Deen Dayal Upadhyaya College	15	24	39	15	40	55	8	37	45	38	101	139
Deshbandhu College	21	21	42	11	9	20	14	8	22	46	38	84
Dyal Singh College	30	34	64	19	27	46	8	18	26	57	79	136
Gargi College (W)	0	71	71	0	51	51	0	38	38	0	160	160
Hans Raj College	30	28	58	19	16	35	19	26	45	68	70	138
Kalindi College (W)	0	55	55	0	18	18	0	5	5	0	78	78
Kirori Mal College	18	14	32	13	12	25	8	12	20	39	38	77
Maitreyi College (W)	0	64	64	0	36	36	0	17	17	0	117	117
Miranda House (W)	0	43	43	0	27	27	0	13	13	0	83	83
Ramjas College	24	24	48	25	17	42	24	20	44	73	61	134
S.G.T.B. Khalsa College	10	35	45	4	21	25	10	22	32	24	78	102
Shivaji College	58	50	108	30	34	64	13	27	40	101	111	212
Sri Aurobindo College	13	39	52	17	21	38	14	5	19	44	65	109
Sri Venkateswara College	63	58	121	39	28	67	14	31	45	116	117	233
Swami Shraddhanand College	58	15	73	43	3	46	10	10	20	111	28	139
Zakir Husain College	41	40	81	15	21	36	19	11	30	75	72	147
<b>Total (Day) :</b>	<b>424</b>	<b>683</b>	<b>1107</b>	<b>269</b>	<b>438</b>	<b>707</b>	<b>166</b>	<b>345</b>	<b>511</b>	<b>859</b>	<b>1466</b>	<b>2325</b>
<b>Grand Total :</b>	<b>424</b>	<b>683</b>	<b>1107</b>	<b>269</b>	<b>438</b>	<b>707</b>	<b>166</b>	<b>345</b>	<b>511</b>	<b>859</b>	<b>1466</b>	<b>2325</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	34	20	54	24	17	41	8	9	17	66	46	112
Deen Dayal Upadhyaya College	28	13	41	24	19	43	15	22	37	67	54	121
Deshbandhu College	33	21	54	21	6	27	16	2	18	70	29	99
Dyal Singh College	41	26	67	38	20	58	17	17	34	96	63	159
Hans Raj College	0	0	0	13	5	18	16	5	21	29	10	39
Hindu College	0	0	0	19	12	31	14	1	15	33	13	46
Kalindi College (W)	0	0	0	0	26	26	0	10	10	0	36	36
Kirori Mal College	18	8	26	28	18	46	19	13	32	65	39	104
Miranda House (W)	0	53	53	0	29	29	0	20	20	0	102	102
Moti Lal Nehru College	23	9	32	16	5	21	8	18	26	47	32	79
Rajdhani College	37	20	57	64	28	92	29	13	42	130	61	191
Ramjas College	0	0	0	34	8	42	15	16	31	49	24	73
S.G.T.B. Khalsa College	0	0	0	14	2	16	3	11	14	17	13	30
Shivaji College	0	0	0	34	5	39	6	6	12	40	11	51
Shyam Lal College	0	0	0	24	7	31	7	7	14	31	14	45
St. Stephen's College	11	6	17	13	3	16	8	8	16	32	17	49
Bhagini Nivedita College (W)	0	42	42	0	15	15	0	11	11	0	68	68
Keshav Mahavidyalaya	25	16	41	18	16	34	6	4	10	49	36	85
Maharaja Agrasen Co-Ed. College	47	18	65	11	8	19	8	7	15	66	33	99
<b>Total (Day) :</b>	<b>297</b>	<b>252</b>	<b>549</b>	<b>395</b>	<b>249</b>	<b>644</b>	<b>195</b>	<b>200</b>	<b>395</b>	<b>887</b>	<b>701</b>	<b>1588</b>
<b>Grand Total :</b>	<b>297</b>	<b>252</b>	<b>549</b>	<b>395</b>	<b>249</b>	<b>644</b>	<b>195</b>	<b>200</b>	<b>395</b>	<b>887</b>	<b>701</b>	<b>1588</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	0	0	0	0	0	0	8	9	17	8	9	17
Kalindi College (W)	0	0	0	0	19	19	0	4	4	0	23	23
Maitreyi College (W)	0	0	0	0	14	14	0	14	14	0	28	28
Ramjas College	0	0	0	8	20	28	7	20	27	15	40	55
Swami Shraddhanand College	2	0	2	13	3	16	0	0	0	15	3	18
<b>Total (Day) :</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>21</b>	<b>56</b>	<b>77</b>	<b>15</b>	<b>47</b>	<b>62</b>	<b>38</b>	<b>103</b>	<b>141</b>
<b>Grand Total :</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>21</b>	<b>56</b>	<b>77</b>	<b>15</b>	<b>47</b>	<b>62</b>	<b>38</b>	<b>103</b>	<b>141</b>

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**B.Sc. (Genl.) Mathematical Sciences**

P.G.D.A.V. College	21	6	27	19	6	25	16	8	24	56	20	76
Keshav Mahavidyalaya	34	12	46	12	16	28	12	18	30	58	46	104
Maharaja Agrasen Co-Ed. College	24	15	39	16	11	27	10	8	18	50	34	84
<b>Total (Day) :</b>	<b>79</b>	<b>33</b>	<b>112</b>	<b>47</b>	<b>33</b>	<b>80</b>	<b>38</b>	<b>34</b>	<b>72</b>	<b>164</b>	<b>100</b>	<b>264</b>

**B.Sc. (Home Science)**

Institute of Home Economics (W)	0	190	190	0	96	96	0	109	109	0	395	395
Lady Irwin College (W)	0	238	238	0	175	175	0	158	158	0	571	571
<b>Total (Day) :</b>	<b>0</b>	<b>428</b>	<b>428</b>	<b>0</b>	<b>271</b>	<b>271</b>	<b>0</b>	<b>267</b>	<b>267</b>	<b>0</b>	<b>966</b>	<b>966</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.	81	27	108	53	28	81	57	14	71	191	69	260
<b>Total (Day) :</b>	<b>81</b>	<b>27</b>	<b>108</b>	<b>53</b>	<b>28</b>	<b>81</b>	<b>57</b>	<b>14</b>	<b>71</b>	<b>191</b>	<b>69</b>	<b>260</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	43	43	0	27	27	0	25	25	0	19	19	0	0	0	0	114	114
Institute of Home Economics (W)	0	56	56	0	47	47	0	27	27	0	32	32	0	0	0	0	162	162
Jesus&Mary College (W)	0	36	36	0	25	25	0	30	30	0	33	33	0	0	0	0	124	124
LadyShri Ram College (W)	0	33	33	0	33	33	0	21	21	0	14	14	0	0	0	0	101	101
Mata Sundri College (W)	0	49	49	0	47	47	0	40	40	0	35	35	0	0	0	0	171	171
Miranda House (W)	0	52	52	0	42	42	0	33	33	0	30	30	0	0	0	0	157	157
Shyama Prasad Mukherji College (W)	0	55	55	0	45	45	0	33	33	0	29	29	0	0	0	0	162	162
Aditi Mahavidyalaya (W)	0	52	52	0	61	61	0	33	33	0	24	24	0	0	0	0	170	170
<b>Total (Day) :</b>	<b>0</b>	<b>376</b>	<b>376</b>	<b>0</b>	<b>327</b>	<b>327</b>	<b>0</b>	<b>242</b>	<b>242</b>	<b>0</b>	<b>216</b>	<b>216</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1161</b>	<b>1161</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	334	138	472	117	141	258	51	53	104	0	0	0	502	332	834
Acharya Narendra Dev College	260	142	402	94	96	190	71	78	149	0	0	0	425	316	741
S.R.G. College of App. Scs.	0	108	108	0	54	54	0	46	46	0	0	0	0	208	208
S.S. College of Business St.	41	22	63	18	11	29	10	13	23	0	0	0	69	46	115
College of Vocational Studies	18	17	35	12	17	29	12	5	17	0	0	0	42	39	81
Daulat Ram College (W)	0	210	210	0	143	143	0	76	76	0	0	0	0	429	429
Deen Dayal Upadhyaya College	238	148	386	69	48	117	57	64	121	0	0	0	364	260	624
Deshbandhu College	198	104	302	79	64	143	47	38	85	0	0	0	324	206	530
Dyal Singh College	253	121	374	125	77	202	47	62	109	0	0	0	425	260	685
Gargi College (W)	0	313	313	0	175	175	0	96	96	0	0	0	0	584	584
Hans Raj College	403	352	755	252	236	488	166	135	301	0	0	0	821	723	1544
Hindu College	173	189	362	149	184	333	72	88	160	0	0	0	394	461	855
Indraprastha College for Women	0	61	61	0	37	37	0	26	26	0	0	0	0	124	124
Institute of Home Economics (W)	0	140	140	0	70	70	0	44	44	0	0	0	0	254	254
Kalindi College (W)	0	139	139	0	71	71	0	59	59	0	0	0	0	269	269
Kirori Mal College	427	194	621	190	139	329	75	52	127	0	0	0	692	385	1077
Lady Irwin College (W)	0	115	115	0	86	86	0	71	71	0	0	0	0	272	272
Lady Shri Ram College (W)	0	35	35	0	26	26	0	20	20	0	0	0	0	81	81
Maitreyi College (W)	0	283	283	0	134	134	0	76	76	0	0	0	0	493	493
Miranda House (W)	0	417	417	0	265	265	0	158	158	0	0	0	0	840	840
Moti Lal Nehru College	166	81	247	59	56	115	22	21	43	0	0	0	247	158	405
P.G.D.A.V. College	49	17	66	33	5	38	19	20	39	0	0	0	101	42	143
R.A.K. College of Nursing (W)	0	67	67	0	59	59	0	53	53	0	42	42	0	221	221
Rajdhani College	246	92	338	83	44	127	30	25	55	0	0	0	359	161	520

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
Ram Lal Anand College	115	57	172	63	61	124	46	37	83	0	0	0	224	155	379
Ramjas College	291	119	410	279	165	444	101	67	168	0	0	0	671	351	1022
S.G.T.B. Khalsa College	160	150	310	115	81	196	59	59	118	0	0	0	334	290	624
Shivaji College	357	151	508	102	71	173	45	38	83	0	0	0	504	260	764
Shyama Prasad Mukherji College (W)	0	96	96	0	49	49	0	34	34	0	0	0	0	179	179
Sri Aurobindo College	47	11	58	12	1	13	3	0	3	0	0	0	62	12	74
S.G. G. S. College of Commerce	35	20	55	18	19	37	26	14	40	0	0	0	79	53	132
Sri Venkateswara College	313	356	669	164	287	451	51	123	174	0	0	0	528	766	1294
St. Stephen's College	68	86	154	58	72	130	28	44	72	0	0	0	154	202	356
Swami Shraddhanand College	181	39	220	71	30	101	13	10	23	0	0	0	265	79	344
Vivekananda College (W)	0	39	39	0	29	29	0	0	0	0	0	0	0	68	68
Zakir Husain College	219	70	289	73	46	119	44	33	77	0	0	0	336	149	485
Keshav Mahavidyalaya	179	127	306	91	95	186	66	80	146	0	0	0	336	302	638
Maharaja Agrasen Co-Ed. College	32	12	44	7	5	12	8	6	14	0	0	0	47	23	70
Bhaskaracharya Col. of Appl. Scs.	123	109	232	54	88	142	26	61	87	0	0	0	203	258	461
Ahilya Bai College of Nursing	0	39	39	0	29	29	0	25	25	0	25	25	0	118	118
<b>Total (Day) :</b>	<b>4926</b>	<b>4986</b>	<b>9912</b>	<b>2387</b>	<b>3366</b>	<b>5753</b>	<b>1195</b>	<b>2010</b>	<b>3205</b>	<b>0</b>	<b>67</b>	<b>67</b>	<b>8508</b>	<b>10429</b>	<b>18937</b>
P.G.D.A.V. College (Eve.)	73	6	79	6	1	7	0	0	0	0	0	0	79	7	86
<b>Total (Eve) :</b>	<b>73</b>	<b>6</b>	<b>79</b>	<b>6</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>7</b>	<b>86</b>
<b>Grand Total :</b>	<b>4999</b>	<b>4992</b>	<b>9991</b>	<b>2393</b>	<b>3367</b>	<b>5760</b>	<b>1195</b>	<b>2010</b>	<b>3205</b>	<b>0</b>	<b>67</b>	<b>67</b>	<b>8587</b>	<b>10436</b>	<b>19023</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	937	712	1649	318	496	814	157	226	383	0	0	0	1412	1434	2846
Statistics	129	128	257	95	124	219	49	73	122	0	0	0	273	325	598
Computer Science	380	475	855	215	348	563	185	294	479	0	0	0	780	1117	1897
Anthropology	15	14	29	2	0	2	4	2	6	0	0	0	21	16	37
Applied Zoology	0	0	0	12	14	26	6	9	15	0	0	0	18	23	41
Botany	279	418	697	150	275	425	117	228	345	0	0	0	546	921	1467
Chemistry	864	1123	1987	473	769	1242	179	278	457	0	0	0	1516	2170	3686
Geology	71	18	89	54	21	75	34	21	55	0	0	0	159	60	219
Home Science	0	196	196	0	120	120	0	89	89	0	0	0	0	405	405
Nursing	0	106	106	0	88	88	0	78	78	0	67	67	0	339	339
Physics	1508	872	2380	681	514	1195	218	260	478	0	0	0	2407	1646	4053
Zoology	250	462	712	141	257	398	91	216	307	0	0	0	482	935	1417
Polymer Science	29	12	41	16	12	28	6	6	12	0	0	0	51	30	81
Bio-Chemistry	27	98	125	16	81	97	10	44	54	0	0	0	53	223	276
Electronics	408	133	541	176	78	254	106	67	173	0	0	0	690	278	968
Microbiology	64	114	178	22	76	98	14	51	65	0	0	0	100	241	341
Bio-Medical Sciences	27	89	116	18	72	90	18	50	68	0	0	0	63	211	274
Biological Science	11	22	33	4	22	26	1	18	19	0	0	0	16	62	78
<b>Total :</b>	<b>4999</b>	<b>4992</b>	<b>9991</b>	<b>2393</b>	<b>3367</b>	<b>5760</b>	<b>1195</b>	<b>2010</b>	<b>3205</b>	<b>0</b>	<b>67</b>	<b>67</b>	<b>8587</b>	<b>10436</b>	<b>19023</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	73	37	110	28	39	67	10	13	23	111	89	200
Acharya Narendra Dev College	33	25	58	3	16	19	8	13	21	44	54	98
Daulat Ram College (W)	0	37	37	0	26	26	0	16	16	0	79	79
Deen Dayal Upadhyaya College	55	20	75	10	11	21	16	21	37	81	52	133
Deshbandhu College	43	15	58	8	4	12	10	5	15	61	24	85
Dyal Singh College	104	41	145	40	16	56	9	19	28	153	76	229
Hans Raj College	40	41	81	16	22	38	9	8	17	65	71	136
Hindu College	31	15	46	7	22	29	11	11	22	49	48	97
Kalindi College (W)	0	37	37	0	14	14	0	8	8	0	59	59
Kirori Mal College	35	23	58	18	16	34	2	8	10	55	47	102
Maitreyi College (W)	0	44	44	0	35	35	0	18	18	0	97	97
Miranda House (W)	0	70	70	0	55	55	0	22	22	0	147	147
Moti Lal Nehru College	46	15	61	16	11	27	6	6	12	68	32	100
Rajdhani College	58	11	69	15	7	22	6	11	17	79	29	108
Ramjas College	36	30	66	37	34	71	15	7	22	88	71	159
S.G.T.B. Khalsa College	19	15	34	12	10	22	5	2	7	36	27	63
Shivaji College	119	27	146	23	5	28	17	6	23	159	38	197
Shyama Prasad Mukherjee College (W)	0	39	39	0	17	17	0	0	0	0	56	56
Sri Venkateswara College	67	52	119	26	57	83	9	4	13	102	113	215
St. Stephen's College	31	24	55	17	22	39	8	10	18	56	56	112
Vivekananda College (W)	0	39	39	0	29	29	0	0	0	0	68	68
Zakir Husain College	46	13	59	17	10	27	7	3	10	70	26	96
Keshav Mahavidyalaya	28	36	64	19	17	36	9	15	24	56	68	124
<b>Total (Day) :</b>	<b>864</b>	<b>706</b>	<b>1570</b>	<b>312</b>	<b>495</b>	<b>807</b>	<b>157</b>	<b>226</b>	<b>383</b>	<b>1333</b>	<b>1427</b>	<b>2760</b>
P.G.D.A.V. College (Eve.)	73	6	79	6	1	7	0	0	0	79	7	86
<b>Grand Total :</b>	<b>937</b>	<b>712</b>	<b>1649</b>	<b>318</b>	<b>496</b>	<b>814</b>	<b>157</b>	<b>226</b>	<b>383</b>	<b>1412</b>	<b>1434</b>	<b>2846</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	15	14	29	9	14	23	8	10	18	32	38	70
Kirori Mal College	17	12	29	15	8	23	9	7	16	41	27	68
Lady Shri Ram College (W)	0	35	35	0	26	26	0	20	20	0	81	81
P.G.D.A.V. College	17	9	26	11	3	14	7	6	13	35	18	53
Ram Lal Anand College	28	11	39	13	11	24	3	7	10	44	29	73
Ramjas College	15	15	30	27	25	52	16	10	26	58	50	108
Sri Venkateswara College	37	32	69	20	37	57	6	13	19	63	82	145
<b>Total (Day) :</b>	<b>129</b>	<b>128</b>	<b>257</b>	<b>95</b>	<b>124</b>	<b>219</b>	<b>49</b>	<b>73</b>	<b>122</b>	<b>273</b>	<b>325</b>	<b>598</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	23	25	48	10	18	28	11	11	22	44	54	98
Acharya Narendra Dev College	41	11	52	31	11	42	21	11	32	93	33	126
S. R. G. College of Applied Sciences	0	71	71	0	28	28	0	28	28	0	127	127
S. S. College of Business Studies	41	22	63	18	11	29	10	13	23	69	46	115
College of Vocational Studies	18	17	35	12	17	29	12	5	17	42	39	81
Deen Dayal Upadhyaya College	26	17	43	14	20	34	13	17	30	53	54	107
Hans Raj College	33	34	67	15	29	44	18	13	31	66	76	142
Indraprastha College for Women	0	61	61	0	37	37	0	26	26	0	124	124
Kalindi College (W)	0	36	36	0	32	32	0	35	35	0	103	103
P.G.D.A.V. College	32	8	40	22	2	24	12	14	26	66	24	90
Ram Lal Anand College	42	20	62	28	19	47	28	14	42	98	53	151
Shyama Prasad Mukherji College (W)	0	57	57	0	32	32	0	34	34	0	123	123
S.G.G. S. College of Commerce	35	20	55	18	19	37	26	14	40	79	53	132
Keshav Mahavidyalaya	57	52	109	36	49	85	29	43	72	122	144	266
Bhaskaracharya College of Applied Scs.	32	24	56	11	24	35	5	16	21	48	64	112
<b>Total (Day) :</b>	<b>380</b>	<b>475</b>	<b>855</b>	<b>215</b>	<b>348</b>	<b>563</b>	<b>185</b>	<b>294</b>	<b>479</b>	<b>780</b>	<b>1117</b>	<b>1897</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	15	14	29	2	0	2	4	2	6	21	16	37
<b>Total (Day) :</b>	<b>15</b>	<b>14</b>	<b>29</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>21</b>	<b>16</b>	<b>37</b>

**B.Sc. (Hons.) Applied Zoology**

Dyal Singh College	0	0	0	12	14	26	6	9	15	18	23	41
<b>Total (Day) :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>14</b>	<b>26</b>	<b>6</b>	<b>9</b>	<b>15</b>	<b>18</b>	<b>23</b>	<b>41</b>

**B.Sc. (Hons.) Botany**

Acharya Narendra Dev College	22	21	43	11	13	24	8	10	18	41	44	85
Daulat Ram College (W)	0	28	28	0	22	22	0	20	20	0	70	70
Deen Dayal Upadhyaya College	20	15	35	0	0	0	0	0	0	20	15	35
Deshbandhu College	13	24	37	14	20	34	14	9	23	41	53	94
Dyal Singh College	19	19	38	13	14	27	10	14	24	42	47	89
Gargi College (W)	0	56	56	0	35	35	0	28	28	0	119	119
Hans Raj College	32	27	59	22	20	42	20	25	45	74	72	146
Hindu College	18	25	43	9	6	15	13	15	28	40	46	86
Kirori Mal College	26	19	45	13	15	28	5	5	10	44	39	83
Maitreyi College (W)	0	30	30	0	19	19	0	16	16	0	65	65
Miranda House (W)	0	41	41	0	33	33	0	26	26	0	100	100
Ramjas College	20	11	31	14	21	35	12	11	23	46	43	89

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
S.G.T.B. Khalsa College	17	29	46	20	13	33	12	15	27	49	57	106
Shivaji College	24	23	47	9	15	24	6	14	20	39	52	91
Sri Venkateswara College	17	30	47	8	19	27	7	10	17	32	59	91
Swami Shraddhanand College	26	6	32	8	3	11	3	3	6	37	12	49
Zakir Husain College	25	14	39	9	7	16	7	7	14	41	28	69
<b>Total (Day) :</b>	<b>279</b>	<b>418</b>	<b>697</b>	<b>150</b>	<b>275</b>	<b>425</b>	<b>117</b>	<b>228</b>	<b>345</b>	<b>546</b>	<b>921</b>	<b>1467</b>

### B.Sc.(Hons.) Chemistry

A.R.S.D. College	85	39	124	43	55	98	10	20	30	138	114	252
Acharya Narendra Dev College	34	19	53	14	17	31	5	6	11	53	42	95
Daulat Ram College (W)	0	99	99	0	44	44	0	13	13	0	156	156
Deen Dayal Upadhyaya College	28	30	58	0	0	0	0	0	0	28	30	58
Deshbandhu College	43	21	64	19	14	33	5	5	10	67	40	107
Dyal Singh College	31	37	68	22	23	45	9	10	19	62	70	132
Gargi College (W)	0	84	84	0	49	49	0	11	11	0	144	144
Hans Raj College	103	117	220	56	77	133	37	21	58	196	215	411
Hindu College	49	85	134	46	69	115	11	19	30	106	173	279
Kirori Mal College	130	64	194	59	52	111	28	18	46	217	134	351
Maitreyi College (W)	0	91	91	0	29	29	0	9	9	0	129	129
Miranda House (W)	0	133	133	0	74	74	0	46	46	0	253	253
Moti Lal Nehru College	27	25	52	9	25	34	6	7	13	42	57	99

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Rajdhani College	50	44	94	25	29	54	4	9	13	79	82	161
Ramjas College	51	21	72	79	51	130	19	18	37	149	90	239
S.G.T.B. Khalsa College	15	25	40	14	17	31	12	13	25	41	55	96
Shivaji College	61	27	88	15	19	34	6	3	9	82	49	131
Sri Venkateswara College	78	101	179	36	76	112	8	26	34	122	203	325
St. Stephen's College	8	36	44	14	31	45	10	14	24	32	81	113
Zakir Husain College	71	25	96	22	18	40	9	10	19	102	53	155
<b>Total (Day) :</b>	<b>864</b>	<b>1123</b>	<b>1987</b>	<b>473</b>	<b>769</b>	<b>1242</b>	<b>179</b>	<b>278</b>	<b>457</b>	<b>1516</b>	<b>2170</b>	<b>3686</b>

### B.Sc. (Hons.) Geology

Hans Raj College	43	8	51	37	9	46	24	12	36	104	29	133
Ram Lal Anand College	28	10	38	17	12	29	10	9	19	55	31	86
<b>Total (Day) :</b>	<b>71</b>	<b>18</b>	<b>89</b>	<b>54</b>	<b>21</b>	<b>75</b>	<b>34</b>	<b>21</b>	<b>55</b>	<b>159</b>	<b>60</b>	<b>219</b>

### B.Sc. (Hons.) Home Science

Institute of Home Economics (W)	0	81	81	0	34	34	0	18	18	0	133	133
Lady Irwin College (W)	0	115	115	0	86	86	0	71	71	0	272	272
<b>Total (Day) :</b>	<b>0</b>	<b>196</b>	<b>196</b>	<b>0</b>	<b>120</b>	<b>120</b>	<b>0</b>	<b>89</b>	<b>89</b>	<b>0</b>	<b>405</b>	<b>405</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	67	67	0	59	59	0	53	53	0	42	42	0	221	221
Ahilya Bai Col. of Nursing	0	39	39	0	29	29	0	25	25	0	25	25	0	118	118
<b>Total (Day) :</b>	<b>0</b>	<b>106</b>	<b>106</b>	<b>0</b>	<b>88</b>	<b>88</b>	<b>0</b>	<b>78</b>	<b>78</b>	<b>0</b>	<b>67</b>	<b>67</b>	<b>0</b>	<b>339</b>	<b>339</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	121	23	144	24	21	45	14	4	18	159	48	207
Acharya Narendra Dev College	54	15	69	10	7	17	4	7	11	68	29	97
Deen Dayal Upadhyaya College	45	20	65	26	11	37	13	14	27	84	45	129
Deshbandhu College	71	21	92	20	2	22	8	3	11	99	26	125
Dyal Singh College	89	9	98	38	10	48	13	10	23	140	29	169
Gargi College (W)	0	87	87	0	38	38	0	15	15	0	140	140
Hans Raj College	84	69	153	61	44	105	23	23	46	168	136	304
Hindu College	47	34	81	71	54	125	21	18	39	139	106	245
Kalindi College (W)	0	66	66	0	25	25	0	16	16	0	107	107
Kirori Mal College	206	54	260	70	35	105	22	6	28	298	95	393
Maitreyi College (W)	0	67	67	0	33	33	0	23	23	0	123	123
Miranda House (W)	0	140	140	0	74	74	0	40	40	0	254	254

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Moti Lal Nehru College	93	41	134	34	20	54	10	8	18	137	69	206
Rajdhani College	88	19	107	26	8	34	14	2	16	128	29	157
Ramjas College	155	20	175	104	24	128	30	8	38	289	52	341
S.G.T.B. Khalsa College	69	29	98	41	15	56	10	9	19	120	53	173
Shivaji College	115	26	141	36	14	50	5	4	9	156	44	200
Sri Venkateswara College	47	44	91	28	24	52	6	9	15	81	77	158
St. Stephen's College	29	26	55	27	19	46	10	20	30	66	65	131
Swami Shraddhanand College	99	13	112	36	10	46	4	2	6	139	25	164
Keshav Mahavidyalaya	60	23	83	16	16	32	8	9	17	84	48	132
Bhaskaracharya College of Applied Scs.	36	26	62	13	10	23	3	10	13	52	46	98
<b>Total (Day) :</b>	<b>1508</b>	<b>872</b>	<b>2380</b>	<b>681</b>	<b>514</b>	<b>1195</b>	<b>218</b>	<b>260</b>	<b>478</b>	<b>2407</b>	<b>1646</b>	<b>4053</b>

### B.Sc. (Hons.) Zoology

Acharya Narendra Dev College	22	20	42	4	10	14	4	16	20	30	46	76
Daulat Ram College (W)	0	20	20	0	27	27	0	18	18	0	65	65
Deen Dayal Upadhyaya College	18	30	48	0	0	0	0	0	0	18	30	48
Deshbandhu College	21	15	36	12	16	28	7	11	18	40	42	82
Dayal Singh College	10	15	25	0	0	0	0	0	0	10	15	25
Gargi College (W)	0	53	53	0	36	36	0	27	27	0	116	116
Hans Raj College	31	30	61	20	18	38	19	24	43	70	72	142
Hindu College	13	16	29	7	19	26	8	15	23	28	50	78
Kirori Mal College	13	22	35	15	13	28	9	8	17	37	43	80

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Maitreyi College (W)	0	51	51	0	18	18	0	10	10	0	79	79
Miranda House (W)	0	33	33	0	29	29	0	24	24	0	86	86
Ramjas College	14	22	36	18	10	28	9	13	22	41	45	86
S.G.T.B. Khalsa College	17	44	61	20	19	39	11	14	25	48	77	125
Shivaji College	26	35	61	13	10	23	8	7	15	47	52	99
Sri Venkateswara College	14	31	45	5	17	22	4	17	21	23	65	88
Swami Shraddhanand College	24	9	33	13	8	21	2	2	4	39	19	58
Zakir Husain College	27	16	43	14	7	21	10	10	20	51	33	84
<b>Total (Day) :</b>	<b>250</b>	<b>462</b>	<b>712</b>	<b>141</b>	<b>257</b>	<b>398</b>	<b>91</b>	<b>216</b>	<b>307</b>	<b>482</b>	<b>935</b>	<b>1417</b>
<b>B.Sc. (Hons.) Polymer Science</b>												
Bhaskaracharya College of Applied Scs.	29	12	41	16	12	28	6	6	12	51	30	81
<b>Total (Day) :</b>	<b>29</b>	<b>12</b>	<b>41</b>	<b>16</b>	<b>12</b>	<b>28</b>	<b>6</b>	<b>6</b>	<b>12</b>	<b>51</b>	<b>30</b>	<b>81</b>
<b>B.Sc. (Hons.) Bio-Chemistry</b>												
Daulat Ram College (W)	0	26	26	0	24	24	0	9	9	0	59	59
Deshbandhu College	7	8	15	6	8	14	3	5	8	16	21	37
Institute of Home Economics (W)	0	25	25	0	18	18	0	10	10	0	53	53
Shivaji College	12	13	25	6	8	14	3	4	7	21	25	46
Sri Venkateswara College	8	26	34	4	23	27	4	16	20	16	65	81
<b>Total (Day) :</b>	<b>27</b>	<b>98</b>	<b>125</b>	<b>16</b>	<b>81</b>	<b>97</b>	<b>10</b>	<b>44</b>	<b>54</b>	<b>53</b>	<b>223</b>	<b>276</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	32	14	46	12	8	20	6	5	11	50	27	77
Acharya Narendra Dev College	38	6	44	14	5	19	10	2	12	62	13	75
Deen Dayal Upadhyaya College	46	16	62	19	6	25	15	12	27	80	34	114
Hans Raj College	22	12	34	23	17	40	12	7	19	57	36	93
Rajdhani College	50	18	68	17	0	17	6	3	9	73	21	94
S.G.T.B. Khalsa College	23	8	31	8	7	15	9	6	15	40	21	61
Sri Aurobindo College	47	11	58	12	1	13	3	0	3	62	12	74
Sri Venkateswara College	34	18	52	33	12	45	6	10	16	73	40	113
Zakir Husain College	50	2	52	11	4	15	11	3	14	72	9	81
Keshav Mahavidyalaya	34	16	50	20	13	33	20	13	33	74	42	116
Maharaja Agrasen Co-Ed. College	32	12	44	7	5	12	8	6	14	47	23	70
<b>Total (Day) :</b>	<b>408</b>	<b>133</b>	<b>541</b>	<b>176</b>	<b>78</b>	<b>254</b>	<b>106</b>	<b>67</b>	<b>173</b>	<b>690</b>	<b>278</b>	<b>968</b>

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**B.Sc. (Hons.) Micro-biology**

Gargi College (W)	0	33	33	0	17	17	0	15	15	0	65	65
Institute of Home Economics (W)	0	34	34	0	18	18	0	16	16	0	68	68
Ram Lal Anand College	17	16	33	5	19	24	5	7	12	27	42	69
Swami Shraddhanand College	32	11	43	14	9	23	4	3	7	50	23	73
Bhaskaracharya College of Applied Sciences	15	20	35	3	13	16	5	10	15	23	43	66
<b>Total (Day) :</b>	<b>64</b>	<b>114</b>	<b>178</b>	<b>22</b>	<b>76</b>	<b>98</b>	<b>14</b>	<b>51</b>	<b>65</b>	<b>100</b>	<b>241</b>	<b>341</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	25	41	7	17	24	11	13	24	34	55	89
S. R. G. College of Applied Sciences	0	37	37	0	26	26	0	18	18	0	81	81
Bhaskaracharya College of Applied Scs.	11	27	38	11	29	40	7	19	26	29	75	104
<b>Total (Day) :</b>	<b>27</b>	<b>89</b>	<b>116</b>	<b>18</b>	<b>72</b>	<b>90</b>	<b>18</b>	<b>50</b>	<b>68</b>	<b>63</b>	<b>211</b>	<b>274</b>

**B.Sc. (Hons.) Biological Science**

Sri Venkateswara College	11	22	33	4	22	26	1	18	19	16	62	78
<b>Total (Day) :</b>	<b>11</b>	<b>22</b>	<b>33</b>	<b>4</b>	<b>22</b>	<b>26</b>	<b>1</b>	<b>18</b>	<b>19</b>	<b>16</b>	<b>62</b>	<b>78</b>



**Bachelor of Prosthetics & Orthotics**

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.	9	8	17	7	7	14	5	9	14	6	10	16	0	0	0	27	34	61
<b>Total (Day) :</b>	<b>9</b>	<b>8</b>	<b>17</b>	<b>7</b>	<b>7</b>	<b>14</b>	<b>5</b>	<b>9</b>	<b>14</b>	<b>6</b>	<b>10</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>34</b>	<b>61</b>

**Bachelor of Occupational Therapy**

Pt. D. D. Instt. for Phy.	13	33	46	3	30	33	7	24	31	6	30	36	0	0	0	29	117	146
<b>Total (Day) :</b>	<b>13</b>	<b>33</b>	<b>46</b>	<b>3</b>	<b>30</b>	<b>33</b>	<b>7</b>	<b>24</b>	<b>31</b>	<b>6</b>	<b>30</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>117</b>	<b>146</b>

**Bachelor of Physiotherapy**

Amar Jyoti Instt. of Phy.	8	24	32	3	20	23	2	28	30	3	20	23	0	0	0	16	92	108
Pt. Deen Dayal Instt. for the 20	34	54	54	13	31	44	12	23	35	11	23	34	0	0	0	56	111	167
<b>Total (Day) :</b>	<b>28</b>	<b>58</b>	<b>86</b>	<b>16</b>	<b>51</b>	<b>67</b>	<b>14</b>	<b>51</b>	<b>65</b>	<b>14</b>	<b>43</b>	<b>57</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>72</b>	<b>203</b>	<b>275</b>

**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	36	36	0	21	21	0	20	20	0	77	77
Bhaskaracharya College of Applied Scs.	35	16	51	15	14	29	6	3	9	56	33	89
<b>Total :</b>	<b>35</b>	<b>52</b>	<b>87</b>	<b>15</b>	<b>35</b>	<b>50</b>	<b>6</b>	<b>23</b>	<b>29</b>	<b>56</b>	<b>110</b>	<b>166</b>

**Bachelor of Applied Sc. (Hons.) - Food Technology**

Shaheed Raj Guru College of Applied Scs.	0	35	35	0	29	29	0	23	23	0	87	87
Bhaskaracharya College of Applied Scs.	14	25	39	10	17	27	2	22	24	26	64	90
<b>Total :</b>	<b>14</b>	<b>60</b>	<b>74</b>	<b>10</b>	<b>46</b>	<b>56</b>	<b>2</b>	<b>45</b>	<b>47</b>	<b>26</b>	<b>151</b>	<b>177</b>

**Bachelor of Applied Sc. (Hons.) - Instrumentation**

Shaheed Raj Guru College of Applied Scs.	0	37	37	0	21	21	0	18	18	0	76	76
Bhaskaracharya College of Applied Scs.	39	13	52	3	6	9	4	2	6	46	21	67
<b>Total :</b>	<b>39</b>	<b>50</b>	<b>89</b>	<b>3</b>	<b>27</b>	<b>30</b>	<b>4</b>	<b>20</b>	<b>24</b>	<b>46</b>	<b>97</b>	<b>143</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.	24	49	73	26	34	60	30	30	60	28	32	60	108	145	253
<b>Total :</b>	<b>24</b>	<b>49</b>	<b>73</b>	<b>26</b>	<b>34</b>	<b>60</b>	<b>30</b>	<b>30</b>	<b>60</b>	<b>28</b>	<b>32</b>	<b>60</b>	<b>108</b>	<b>145</b>	<b>253</b>

**B.Sc. (Medical Tech.) - Radiography**

UCMS & GTB Hospital	11	4	15	8	7	15	2	7	9	0	0	0	21	18	39
<b>Total :</b>	<b>11</b>	<b>4</b>	<b>15</b>	<b>8</b>	<b>7</b>	<b>15</b>	<b>2</b>	<b>7</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>18</b>	<b>39</b>

**Bachelor of Fine Art**

College of Art	100	95	195	87	101	188	63	69	132	51	72	123	301	337	638
<b>Total :</b>	<b>100</b>	<b>95</b>	<b>195</b>	<b>87</b>	<b>101</b>	<b>188</b>	<b>63</b>	<b>69</b>	<b>132</b>	<b>51</b>	<b>72</b>	<b>123</b>	<b>301</b>	<b>337</b>	<b>638</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	8	33	41	13	27	40	6	29	35	15	27	42	13	26	39	55	142	197
<b>Total:</b>	<b>8</b>	<b>33</b>	<b>41</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>55</b>	<b>142</b>	<b>197</b>

**Bachelor of Unani Medicine & Surgery (B.U.M.S.)**

A & U Tibbia College	5	28	33	12	28	40	9	32	41	13	27	40	15	24	39	54	134	193
<b>Total :</b>	<b>5</b>	<b>28</b>	<b>33</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>54</b>	<b>134</b>	<b>193</b>

**Bachelor of Homoeopathic System of Medicine and Surgery (B.H.M.S.)**

N.H. Med. Col. & Hospt.	12	83	95	16	74	90	11	78	89	14	78	92	13	78	91	66	391	457
<b>Total :</b>	<b>12</b>	<b>83</b>	<b>95</b>	<b>16</b>	<b>74</b>	<b>90</b>	<b>11</b>	<b>78</b>	<b>89</b>	<b>14</b>	<b>78</b>	<b>92</b>	<b>13</b>	<b>78</b>	<b>91</b>	<b>66</b>	<b>391</b>	<b>457</b>

**Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.)**

L.H.M. College (W)	0	152	152	0	153	153	0	159	159	0	128	128	0	132	132	0	724	724
M. A. M. College	120	80	200	108	72	180	125	55	180	114	65	179	144	35	179	611	307	918
U.C.M.S. & G.T.B. Hosp.	126	24	150	125	32	157	83	13	96	88	12	100	105	3	108	527	84	611
<b>Total :</b>	<b>246</b>	<b>256</b>	<b>502</b>	<b>233</b>	<b>257</b>	<b>490</b>	<b>208</b>	<b>227</b>	<b>435</b>	<b>202</b>	<b>205</b>	<b>407</b>	<b>249</b>	<b>170</b>	<b>419</b>	<b>1138</b>	<b>1115</b>	<b>2253</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.	22	15	37	7	15	22	8	17	25	20	16	36	11	29	40	68	92	160
<b>Total :</b>	<b>22</b>	<b>15</b>	<b>37</b>	<b>7</b>	<b>15</b>	<b>22</b>	<b>8</b>	<b>17</b>	<b>25</b>	<b>20</b>	<b>16</b>	<b>36</b>	<b>11</b>	<b>29</b>	<b>40</b>	<b>68</b>	<b>92</b>	<b>160</b>

### Bachelor of Engineering (Subject-wise) (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	0	0	0	60	10	70	62	8	70	122	18	140
Computer Engg.	130	20	150	101	29	130	177	35	212	183	32	215	591	116	707
Electrical Engg.	0	0	0	0	0	0	68	22	90	72	18	90	140	40	180
Electronics & Commu.	122	27	149	102	29	131	209	35	244	200	42	242	633	133	766
Instrum..& Control Engg.	131	18	149	93	30	123	103	18	121	90	30	120	417	96	513
Mechanical Engg.	0	0	0	0	0	0	115	5	120	115	5	120	230	10	240
Production & Ind.Engg.	0	0	0	0	0	0	27	4	31	24	5	29	51	9	60
Environmental Engg.	0	0	0	0	0	0	12	9	21	17	7	24	29	16	45
Polymer Sc.& Chem.Tech.	0	0	0	0	0	0	33	4	37	26	7	33	59	11	70
Bio-Technology	13	7	20	10	7	17	23	14	37	22	17	39	68	45	113
Information Technology	57	16	73	43	21	64	86	34	120	95	25	120	281	96	377
Manufac. Process & Automa.	69	5	74	56	8	64	53	17	70	51	8	59	229	38	267
<b>Total :</b>	<b>522</b>	<b>93</b>	<b>615</b>	<b>405</b>	<b>124</b>	<b>529</b>	<b>966</b>	<b>207</b>	<b>1173</b>	<b>957</b>	<b>204</b>	<b>1161</b>	<b>2850</b>	<b>628</b>	<b>3478</b>

**Bachelor of Technology (Subject-wise) 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	0	0	0	30	0	30	30	0	30	60	0	60
Electrical PT	0	0	0	0	0	0	30	0	30	30	0	30	60	0	60
Electronics & Comm. PT	0	0	0	0	0	0	29	1	30	28	2	30	57	3	60
Mechanical Engg. PT	0	0	0	0	0	0	30	0	30	30	0	30	60	0	60
<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>119</b>	<b>1</b>	<b>120</b>	<b>118</b>	<b>2</b>	<b>120</b>	<b>237</b>	<b>3</b>	<b>240</b>

**Bachelor of Library and Information Science (B.Lib.Sc.)**

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Department	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Library & Information Science	29	30	59	0	0	0	0	0	0	29	30	59
<b>Total :</b>	<b>29</b>	<b>30</b>	<b>59</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>30</b>	<b>59</b>

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**Master of Library & Information Science (M.Lib.Sc.)**

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Library & Informatin Science	27	20	47	0	0	0	0	0	0	27	20	47
<b>Total :</b>	<b>27</b>	<b>20</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>20</b>	<b>47</b>

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**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	31	27	58	14	19	33	45	46	91
Bharati College (W)	0	12	12	0	10	10	0	22	22
Daulat Ram College (W)	0	143	143	0	121	121	0	264	264
Deshbandhu College	11	6	17	6	3	9	17	9	26
Dyal Singh College	2	2	4	5	5	10	7	7	14
Gargi College (W)	0	23	23	0	24	24	0	47	47
Hans Raj College	49	51	100	51	46	97	100	97	197
Hindu College	81	81	162	77	92	169	158	173	331
Indraprastha College for Women	0	107	107	0	114	114	0	221	221
Janki Devi Memorial College (W)	0	45	45	0	32	32	0	77	77
Jesus & Mary College (W)	0	38	38	0	27	27	0	65	65
Kalindi College (W)	0	19	19	0	9	9	0	28	28
Kamala Nehru College (W)	0	57	57	0	41	41	0	98	98
Kirori Mal College	86	74	160	76	48	124	162	122	284
Lady Shri Ram College (W)	0	80	80	0	60	60	0	140	140
Lakshmibai College (W)	0	15	15	0	33	33	0	48	48
Maitreyi College (W)	0	20	20	0	16	16	0	36	36
Mata Sundri College (W)	0	15	15	0	24	24	0	39	39
Miranda House (W)	0	107	107	0	94	94	0	201	201
Moti Lal Nehru College	14	12	26	11	2	13	25	14	39
P.G.D.A.V. College	10	10	20	11	11	22	21	21	42
Rajdhani College	13	5	18	10	3	13	23	8	31



College	I Year			II Year			Total		
	M	F	T	M	F	T	M	F	T
Ram Lal Anand College	2	4	6	1	3	4	3	7	10
Ramjas College	127	37	164	71	42	113	198	79	277
S.G.T.B. Khalsa College	19	19	38	27	12	39	46	31	77
Satyawati Co-Ed. College	11	4	15	9	3	12	20	7	27
Shivaji College	13	2	15	13	3	16	26	5	31
Shyam Lal College	7	8	15	3	3	6	10	11	21
Shyama Prasad Mukherji College (W)	0	15	15	0	18	18	0	33	33
Sri Aurobindo College	3	9	12	2	2	4	5	11	16
Sri Venkateswara College	38	32	70	18	26	44	56	58	114
St. Stephen's College	20	32	52	16	29	45	36	61	97
Swami Shraddhanand College	9	4	13	4	6	10	13	10	23
Vivekananda College (W)	0	25	25	0	15	15	0	40	40
Zakir Husain College	101	57	158	86	35	121	187	92	279
Sri Guru Nanak Dev Khalsa College	1	2	3	0	1	1	1	3	4
<b>Total (Day) :</b>	<b>648</b>	<b>1199</b>	<b>1847</b>	<b>511</b>	<b>1032</b>	<b>1543</b>	<b>1159</b>	<b>2231</b>	<b>3390</b>
Zakir Husain P.G. College (Eve.)	2	10	12	0	0	0	2	10	12
<b>Total (Eve) :</b>	<b>2</b>	<b>10</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>12</b>
<b>Total (Day + Eve) :</b>	<b>650</b>	<b>1209</b>	<b>1859</b>	<b>511</b>	<b>1032</b>	<b>1543</b>	<b>1161</b>	<b>2241</b>	<b>3402</b>

	I Year			II Year			Total		
	M	F	T	M	F	T	M	F	T
<b>Department</b>									
Buddhist Studies	106	37	143	38	22	60	144	59	203
Linguistics	15	23	38	9	17	26	24	40	64
Germanic & Romance Studies	18	64	82	11	32	43	29	96	125
Modern Indian Language	4	19	23	4	12	16	8	31	39
Persian	5	1	6	1	2	3	6	3	9
Philosophy (SDC)	6	3	9	1	1	2	7	4	11
Psychology (SDC)	4	29	33	2	27	29	6	56	62
Urdu	37	21	58	18	8	26	55	29	84
Slavonic & Finno-Ugrian Studies	12	11	23	8	5	13	20	16	36
East Asian Studies	17	15	32	8	18	26	25	33	58
Economics	72	77	149	51	48	99	123	125	248
Geography	34	28	62	29	16	45	63	44	107
History (SDC)	22	17	39	6	17	23	28	34	62
Social Work	33	41	74	17	49	66	50	90	140
Sociology	19	64	83	16	44	60	35	108	143
Environmental Studies	4	3	7	11	11	22	15	14	29
<b>Total(Fac./Deptt./Centre) :</b>	<b>408</b>	<b>453</b>	<b>861</b>	<b>230</b>	<b>329</b>	<b>559</b>	<b>638</b>	<b>782</b>	<b>1420</b>
<b>Total(Regular) :</b>	<b>1058</b>	<b>1662</b>	<b>2720</b>	<b>741</b>	<b>1361</b>	<b>2102</b>	<b>1799</b>	<b>3023</b>	<b>4822</b>
Non-Collegiate Women's Edn. Board	0	293	293	0	106	106	0	399	399
School of Open Learning	121	430	551	98	335	433	219	765	984
<b>Total(Nonformal) :</b>	<b>121</b>	<b>723</b>	<b>844</b>	<b>98</b>	<b>441</b>	<b>539</b>	<b>219</b>	<b>1164</b>	<b>1383</b>
<b>Grand Total :</b>	<b>1179</b>	<b>2385</b>	<b>3564</b>	<b>839</b>	<b>1802</b>	<b>2641</b>	<b>2018</b>	<b>4187</b>	<b>6205</b>

**Master of Arts (M.A.) Subject-wise**

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Applied Psychology	4	29	33	2	27	29	6	56	62
Arabic	30	1	31	12	0	12	42	1	43
Bengali	3	8	11	3	10	13	6	18	24
Buddhist Studies	106	37	143	38	22	60	144	59	203
English	74	219	293	57	185	242	131	404	535
French	2	21	23	3	9	12	5	30	35
German	5	18	23	4	11	15	9	29	38
Hindi	123	271	394	106	197	303	229	468	697
Linguistics	15	23	38	9	17	26	24	40	64
Persian	5	1	6	1	3	4	6	4	10
Philosophy	37	68	105	23	73	96	60	141	201
Psychology	5	98	103	9	91	100	14	189	203
Punjabi	5	10	15	9	10	19	14	20	34
Sanskrit	71	67	138	52	57	109	123	124	247
Hispanic	6	15	21	2	7	9	8	22	30
Urdu	48	32	80	31	9	40	79	41	120
Comparative Indian Literature	1	11	12	1	2	3	2	13	15
Italian	5	10	15	2	5	7	7	15	22
Economics	72	77	149	51	48	99	123	125	248
Geography	34	28	62	29	16	45	63	44	107
History	162	169	331	118	129	247	280	298	578
Political Science	135	204	339	97	197	294	232	401	633

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Social Work	33	41	74	17	49	66	50	90	140
Sociology	19	64	83	16	44	60	35	108	143
Japanese	7	4	11	4	6	10	11	10	21
East Asian Studies	10	11	21	4	12	16	14	23	37
Mathematics	14	91	105	12	80	92	26	171	197
Environmental Studies	4	3	7	11	11	22	15	14	29
Music	11	20	31	10	29	39	21	49	70
Russian	12	11	23	8	5	13	20	16	36
<b>Total :</b>	<b>1058</b>	<b>1662</b>	<b>2720</b>	<b>741</b>	<b>1361</b>	<b>2102</b>	<b>1799</b>	<b>3023</b>	<b>4822</b>

**M.A. (Applied Psychology)**

College/Department	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of Psychology (SDC)	4	29	33	2	27	29	6	56	62
<b>Total :</b>	<b>4</b>	<b>29</b>	<b>33</b>	<b>2</b>	<b>27</b>	<b>29</b>	<b>6</b>	<b>56</b>	<b>62</b>

**M.A. (Arabic)**

Zakir Husain College	30	1	31	12	0	12	42	1	43
<b>Total :</b>	<b>30</b>	<b>1</b>	<b>31</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>42</b>	<b>1</b>	<b>43</b>

**M.A. (Bengali)**

Modern Indian Language	3	8	11	3	10	13	6	18	24
<b>Total :</b>	<b>3</b>	<b>8</b>	<b>11</b>	<b>3</b>	<b>10</b>	<b>13</b>	<b>6</b>	<b>18</b>	<b>24</b>

**M.A. (Buddhist Studies)**

Department of Buddhist Studies	106	37	143	38	22	60	144	59	203
<b>Total :</b>	<b>106</b>	<b>37</b>	<b>143</b>	<b>38</b>	<b>22</b>	<b>60</b>	<b>144</b>	<b>59</b>	<b>203</b>

**M.A. (English)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
A.R.S.D. College	7	7	14	2	4	6	9	11	20
Daulat Ram College (W)	0	10	10	0	9	9	0	19	19
Deshbandhu College	2	0	2	1	1	2	3	1	4
Dyal Singh College	1	1	2	3	1	4	4	2	6
Gargi College (W)	0	15	15	0	13	13	0	28	28
Hans Raj College	10	18	28	8	13	21	18	31	49
Hindu College	12	17	29	8	16	24	20	33	53
Indraprastha College for Women	0	5	5	0	10	10	0	15	15
Janki Devi Memorial College (W)	0	3	3	0	5	5	0	8	8
Jesus & Mary College (W)	0	22	22	0	19	19	0	41	41
Kamala Nehru College (W)	0	17	17	0	10	10	0	27	27
Kirori Mal College	6	18	24	10	17	27	16	35	51
Lady Shri Ram College (W)	0	20	20	0	14	14	0	34	34
Miranda House (W)	0	30	30	0	20	20	0	50	50
Rajdhani College	1	0	1	0	0	0	1	0	1
Ramjas College	12	2	14	6	7	13	18	9	27
S.G.T.B. Khalsa College	3	5	8	8	1	9	11	6	17
Sri Venkateswara College	10	15	25	1	13	14	11	28	39
St. Stephen's College	5	11	16	2	7	9	7	18	25
Zakir Husain College	5	3	8	8	5	13	13	8	21
<b>Total (Day) :</b>	<b>74</b>	<b>219</b>	<b>293</b>	<b>57</b>	<b>185</b>	<b>242</b>	<b>131</b>	<b>404</b>	<b>535</b>
<b>Total (Regular) :</b>	<b>74</b>	<b>219</b>	<b>293</b>	<b>57</b>	<b>185</b>	<b>242</b>	<b>131</b>	<b>404</b>	<b>535</b>
Non-Collegiate Women's Edn. Board	0	76	76	0	52	52	0	128	128
<b>Total(Nonformal) :</b>	<b>0</b>	<b>76</b>	<b>76</b>	<b>0</b>	<b>52</b>	<b>52</b>	<b>0</b>	<b>128</b>	<b>128</b>
<b>Grand Total :</b>	<b>74</b>	<b>295</b>	<b>369</b>	<b>57</b>	<b>237</b>	<b>294</b>	<b>131</b>	<b>532</b>	<b>663</b>

**M.A. (French)**

Department	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Germanic & Romance Studies	2	21	23	3	9	12	5	30	35
<b>Total :</b>	<b>2</b>	<b>21</b>	<b>23</b>	<b>3</b>	<b>9</b>	<b>12</b>	<b>5</b>	<b>30</b>	<b>35</b>

**M.A. (German)**

Germanic & Romance Studies	5	18	23	4	11	15	9	29	38
<b>Total :</b>	<b>5</b>	<b>18</b>	<b>23</b>	<b>4</b>	<b>11</b>	<b>15</b>	<b>9</b>	<b>29</b>	<b>38</b>

**M.A. (Hindi)****Colleges**

A.R.S.D. College	5	9	14	3	9	12	8	18	26
Bharati College (W)	0	12	12	0	10	10	0	22	22
Daulat Ram College (W)	0	23	23	0	20	20	0	43	43
Deshbandhu College	5	2	7	4	0	4	9	2	11
Hans Raj College	9	2	11	16	8	24	25	10	35
Hindu College	18	18	36	13	18	31	31	36	67
Indraprastha College for Women	0	10	10	0	3	3	0	13	13
Janki Devi Memorial College (W)	0	14	14	0	9	9	0	23	23
Jesus & Mary College (W)	0	16	16	0	8	8	0	24	24
Kalindi College (W)	0	16	16	0	7	7	0	23	23
Kamala Nehru College (W)	0	9	9	0	11	11	0	20	20
Kirori Mal College	13	5	18	11	4	15	24	9	33
Lady Shri Ram College (W)	0	8	8	0	3	3	0	11	11
Mata Sundri College (W)	0	12	12	0	9	9	0	21	21
Miranda House (W)	0	16	16	0	19	19	0	35	35
Moti Lal Nehru College	3	7	10	7	2	9	10	9	19

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
P.G.D.A.V. College	3	5	8	4	5	9	7	10	17
Rajdhani College	7	3	10	5	3	8	12	6	18
Ram Lal Anand College	2	4	6	1	3	4	3	7	10
Ramjas College	17	5	22	17	2	19	34	7	41
S.G.T.B. Khalsa College	2	4	6	2	1	3	4	5	9
Shivaji College	10	2	12	8	3	11	18	5	23
Shyam Lal College	7	8	15	3	3	6	10	11	21
Shyama Prasad Mukherji College (W)	0	13	13	0	12	12	0	25	25
Sri Aurobindo College	3	9	12	2	2	4	5	11	16
Swami Shraddhanand College	9	4	13	4	6	10	13	10	23
Vivekananda College (W)	0	20	20	0	14	14	0	34	34
Zakir Husain College	8	5	13	6	3	9	14	8	22
<b>Total (Day) :</b>	<b>121</b>	<b>261</b>	<b>382</b>	<b>106</b>	<b>197</b>	<b>303</b>	<b>227</b>	<b>458</b>	<b>685</b>
Zakir Husain P.G. Evening College	2	10	12	0	0	0	2	10	12
<b>Total (Eve) :</b>	<b>2</b>	<b>10</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>12</b>
<b>Total (Day + Eve) :</b>	<b>123</b>	<b>271</b>	<b>394</b>	<b>106</b>	<b>197</b>	<b>303</b>	<b>229</b>	<b>468</b>	<b>697</b>
<b>Total (Regular) :</b>	<b>123</b>	<b>271</b>	<b>394</b>	<b>106</b>	<b>197</b>	<b>303</b>	<b>229</b>	<b>468</b>	<b>697</b>
Non-Collegiate Women's Edu. Board	0	70	70	0	15	15	0	85	85
School of Open Learning	45	192	237	28	116	144	73	308	381
<b>Total (Nonformal) :</b>	<b>45</b>	<b>262</b>	<b>307</b>	<b>28</b>	<b>131</b>	<b>159</b>	<b>73</b>	<b>393</b>	<b>466</b>
<b>Grand Total :</b>	<b>168</b>	<b>533</b>	<b>701</b>	<b>134</b>	<b>328</b>	<b>462</b>	<b>302</b>	<b>861</b>	<b>1163</b>



**M.A. (Linguistics)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Dept. of Linguistics	15	23	38	9	17	26	24	40	64
<b>Total (Day) :</b>	<b>15</b>	<b>23</b>	<b>38</b>	<b>9</b>	<b>17</b>	<b>26</b>	<b>24</b>	<b>40</b>	<b>64</b>

**M.A. (Persian)**

Zakir Husain College	0	0	0	0	1	1	0	1	1
Deptt. of Persian	5	1	6	1	2	3	6	3	9
<b>Total (Deptt.) Eve. :</b>	<b>5</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>9</b>
<b>Total (Regular) :</b>	<b>5</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>10</b>

**M.A. (Philosophy)****College**

Hindu College	10	12	22	8	14	22	18	26	44
Indraprastha College for Women	0	9	9	0	11	11	0	20	20
Janki Devi Memorial College (W)	0	6	6	0	4	4	0	10	10
Kamala Nehru College (W)	0	2	2	0	3	3	0	5	5
Lady Shri Ram College (W)	0	3	3	0	5	5	0	8	8
Lakshmibai College (W)	0	6	6	0	15	15	0	21	21
Miranda House (W)	0	11	11	0	11	11	0	22	22
Ramjas College	8	10	18	2	3	5	10	13	23
St. Stephen's College	4	4	8	4	3	7	8	7	15
Zakir Husain College	9	2	11	8	3	11	17	5	22
<b>Total (Day) :</b>	<b>31</b>	<b>65</b>	<b>96</b>	<b>22</b>	<b>72</b>	<b>94</b>	<b>53</b>	<b>137</b>	<b>190</b>

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of Philosophy (SDC)	6	3	9	1	1	2	7	4	11
<b>Total (Deptt) Day :</b>	<b>6</b>	<b>3</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>4</b>	<b>11</b>
<b>Total (Deptt.) D+E :</b>	<b>6</b>	<b>3</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>4</b>	<b>11</b>
<b>Total (Regular) :</b>	<b>37</b>	<b>68</b>	<b>105</b>	<b>23</b>	<b>73</b>	<b>96</b>	<b>60</b>	<b>141</b>	<b>201</b>
<b>Grand Total :</b>	<b>37</b>	<b>68</b>	<b>105</b>	<b>23</b>	<b>73</b>	<b>96</b>	<b>60</b>	<b>141</b>	<b>201</b>

S-113

**M.A. (Psychology)**

Daulat Ram College (W)	0	38	38	0	36	36	0	74	74
Indraprastha College for Women	0	32	32	0	45	45	0	77	77
Zakir Husain College	5	28	33	9	10	19	14	38	52
<b>Total (Day) :</b>	<b>5</b>	<b>98</b>	<b>103</b>	<b>9</b>	<b>91</b>	<b>100</b>	<b>14</b>	<b>189</b>	<b>203</b>

**M.A. (Punjabi)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Mata Sundri College (W)	0	2	2	0	8	8	0	10	10
S.G.T.B. Khalsa College	4	6	10	9	1	10	13	7	20
Sri Guru Nanak Dev Khalsa College	1	2	3	0	1	1	1	3	4
<b>Total (Day) :</b>	<b>5</b>	<b>10</b>	<b>15</b>	<b>9</b>	<b>10</b>	<b>19</b>	<b>14</b>	<b>20</b>	<b>34</b>
Non-Collegiate Women's Edn. Board	0	34	34	0	22	22	0	56	56
<b>Grand Total :</b>	<b>5</b>	<b>44</b>	<b>49</b>	<b>9</b>	<b>32</b>	<b>41</b>	<b>14</b>	<b>76</b>	<b>90</b>

S-114

**M.A. (Sanskrit)**

Daulat Ram College (W)	0	12	12	0	3	3	0	15	15
Deshbandhu College	4	4	8	1	0	1	5	4	9
Hans Raj College	15	2	17	16	5	21	31	7	38
Hindu College	13	4	17	18	5	23	31	9	40
Indraprastha College for Women	0	5	5	0	8	8	0	13	13
Janki Devi Memorial College (W)	0	5	5	0	1	1	0	6	6
Kamala Nehru College (W)	0	2	2	0	0	0	0	2	2
Kirori Mal College	9	3	12	4	0	4	13	3	16
Lady Shri Ram College (W)	0	5	5	0	6	6	0	11	11
Lakshmibai College (W)	0	2	2	0	6	6	0	8	8
Mata Sundri College (W)	0	0	0	0	2	2	0	2	2

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Miranda House (W)	0	7	7	0	7	7	0	14	14
P.G.D.A.V. College	1	1	2	0	0	0	1	1	2
Ramjas College	16	0	16	7	1	8	23	1	24
Shivaji College	1	0	1	0	0	0	1	0	1
Shyama Prasad Mukherji College (W)	0	0	0	0	5	5	0	5	5
Sri Venkateswara College	3	7	10	4	2	6	7	9	16
St. Stephen's College	1	2	3	1	5	6	2	7	9
Vivekananda College (W)	0	5	5	0	1	1	0	6	6
Zakir Husain College	8	1	9	1	0	1	9	1	10
<b>Total (Day) :</b>	<b>71</b>	<b>67</b>	<b>138</b>	<b>52</b>	<b>57</b>	<b>109</b>	<b>123</b>	<b>124</b>	<b>247</b>
Non-Collegiate Women's Edu. Board	0	1	1	0	0	0	0	1	1
School of Open Learning	4	21	25	16	44	60	20	65	85
<b>Total(Nonformal) :</b>	<b>4</b>	<b>22</b>	<b>26</b>	<b>16</b>	<b>44</b>	<b>60</b>	<b>20</b>	<b>66</b>	<b>86</b>
<b>Grand Total :</b>	<b>75</b>	<b>89</b>	<b>164</b>	<b>68</b>	<b>101</b>	<b>169</b>	<b>143</b>	<b>190</b>	<b>333</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	2	7	9	8	22	30
<b>Total :</b>	<b>6</b>	<b>15</b>	<b>21</b>	<b>2</b>	<b>7</b>	<b>9</b>	<b>8</b>	<b>22</b>	<b>30</b>

**M.A. (Urdu)****College**

Kirori Mal College	8	3	11	8	1	9	16	4	20
Zakir Husain College	3	8	11	5	0	5	8	8	16
<b>Total (Day) :</b>	<b>11</b>	<b>11</b>	<b>22</b>	<b>13</b>	<b>1</b>	<b>14</b>	<b>24</b>	<b>12</b>	<b>36</b>
Department of Urdu	37	21	58	18	8	26	55	29	84
<b>Total (Deptt.) Eve. :</b>	<b>37</b>	<b>21</b>	<b>58</b>	<b>18</b>	<b>8</b>	<b>26</b>	<b>55</b>	<b>29</b>	<b>84</b>
<b>Grand Total :</b>	<b>48</b>	<b>32</b>	<b>80</b>	<b>31</b>	<b>9</b>	<b>40</b>	<b>79</b>	<b>41</b>	<b>120</b>

**M.A. (Comparative Indian Literature)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. Modern Indian Language	1	11	12	1	2	3	2	13	15
<b>Total :</b>	<b>1</b>	<b>11</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>13</b>	<b>15</b>

**M.A. (Italian)**

Deptt. of Germanic & Romance Studies	5	10	15	2	5	7	7	15	22
<b>Total :</b>	<b>5</b>	<b>10</b>	<b>15</b>	<b>2</b>	<b>5</b>	<b>7</b>	<b>7</b>	<b>15</b>	<b>22</b>

**M.A. (Economics)**

Deptt. of Economics	72	77	149	51	48	99	123	125	248
<b>Total :</b>	<b>72</b>	<b>77</b>	<b>149</b>	<b>51</b>	<b>48</b>	<b>99</b>	<b>123</b>	<b>125</b>	<b>248</b>

**M.A. (Geography)**

Deptt. of Geography	34	28	62	29	16	45	63	44	107
<b>Total :</b>	<b>34</b>	<b>28</b>	<b>62</b>	<b>29</b>	<b>16</b>	<b>45</b>	<b>63</b>	<b>44</b>	<b>107</b>

**M.A. (History)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Daulat Ram College (W)	0	21	21	0	18	18	0	39	39
Hans Raj College	13	13	26	10	6	16	23	19	42
Hindu College	14	8	22	16	14	30	30	22	52
Indraprastha College for Women	0	7	7	0	7	7	0	14	14
Janki Devi Memorial College (W)	0	1	1	0	0	0	0	1	1
Kamala Nehru College (W)	0	16	16	0	3	3	0	19	19
Kirori Mal College	24	15	39	18	8	26	42	23	65
Lady Shri Ram College (W)	0	21	21	0	10	10	0	31	31
Miranda House (W)	0	22	22	0	15	15	0	37	37
Rajdhani College	5	2	7	5	0	5	10	2	12
Ramjas College	33	3	36	18	7	25	51	10	61
S.G.T.B. Khalsa College	5	2	7	3	3	6	8	5	13
Sri Venkateswara College	25	10	35	13	11	24	38	21	59
St. Stephen's College	8	10	18	9	8	17	17	18	35
Zakir Husain College	13	1	14	20	2	22	33	3	36
<b>Total (Day) :</b>	<b>140</b>	<b>152</b>	<b>292</b>	<b>112</b>	<b>112</b>	<b>224</b>	<b>252</b>	<b>264</b>	<b>516</b>
Department of History (SDC)	22	17	39	6	17	23	28	34	62
<b>Total (Deptt) Day :</b>	<b>22</b>	<b>17</b>	<b>39</b>	<b>6</b>	<b>17</b>	<b>23</b>	<b>28</b>	<b>34</b>	<b>62</b>
<b>Total (Regular) :</b>	<b>162</b>	<b>169</b>	<b>331</b>	<b>118</b>	<b>129</b>	<b>247</b>	<b>280</b>	<b>298</b>	<b>578</b>

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Non-Collegiate Women's Edu. Board	0	11	11	0	7	7	0	18	18
School of Open Learning	19	29	48	13	42	55	32	71	103
<b>Total(Nonformal) :</b>	<b>19</b>	<b>40</b>	<b>59</b>	<b>13</b>	<b>49</b>	<b>62</b>	<b>32</b>	<b>89</b>	<b>121</b>
<b>Grand Total :</b>	<b>181</b>	<b>209</b>	<b>390</b>	<b>131</b>	<b>178</b>	<b>309</b>	<b>312</b>	<b>387</b>	<b>699</b>

#### M.A. Political Science

S-119

A.R.S.D. College	19	11	30	9	6	15	28	17	45
Daulat Ram College (W)	0	35	35	0	30	30	0	65	65
Deshbandhu College	0	0	0	0	2	2	0	2	2
Gargi College (W)	0	8	8	0	11	11	0	19	19
Hindu College	13	18	31	11	21	32	24	39	63
Indraprastha College for Women	0	21	21	0	13	13	0	34	34
Janki Devi Memorial College (W)	0	9	9	0	6	6	0	15	15
Kalindi College (W)	0	3	3	0	2	2	0	5	5
Kamala Nehru College (W)	0	11	11	0	14	14	0	25	25
Kirori Mal College	23	21	44	22	15	37	45	36	81
Lady Shri Ram College (W)	0	18	18	0	15	15	0	33	33
Lakshmibai College (W)	0	7	7	0	12	12	0	19	19
Maitreyi College (W)	0	9	9	0	10	10	0	19	19
Mata Sundri College (W)	0	1	1	0	5	5	0	6	6
Moti Lal Nehru College	11	5	16	4	0	4	15	5	20



College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
P.G.D.A.V. College	6	1	7	7	0	7	13	1	14
Ramjas College	28	12	40	11	14	25	39	26	65
S.G.T.B. Khalsa College	5	2	7	5	6	11	10	8	18
Satyawati College	11	4	15	9	3	12	20	7	27
Shivaji College	2	0	2	5	0	5	7	0	7
Shyama Prasad Mukherji College (W)	0	2	2	0	1	1	0	3	3
Zakir Husain College	17	6	23	14	11	25	31	17	48
<b>Total (Day) :</b>	<b>135</b>	<b>204</b>	<b>339</b>	<b>97</b>	<b>197</b>	<b>294</b>	<b>232</b>	<b>401</b>	<b>633</b>
Non-Collegiate Women's Edn. Board	0	39	39	0	6	6	0	45	45
School of Open Learning	53	188	241	41	133	174	94	321	415
<b>Total(Nonformal) :</b>	<b>53</b>	<b>227</b>	<b>280</b>	<b>41</b>	<b>139</b>	<b>180</b>	<b>94</b>	<b>366</b>	<b>460</b>
<b>Grand Total :</b>	<b>188</b>	<b>431</b>	<b>619</b>	<b>138</b>	<b>336</b>	<b>474</b>	<b>326</b>	<b>767</b>	<b>1093</b>
<b>M.A. (Social Work)</b>									
Department of Social Work	33	41	74	17	49	66	50	90	140
<b>Total :</b>	<b>33</b>	<b>41</b>	<b>74</b>	<b>17</b>	<b>49</b>	<b>66</b>	<b>50</b>	<b>90</b>	<b>140</b>

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
<b>M.A. (Sociology)</b>									
Department of Sociology	19	64	83	16	44	60	35	108	143
<b>Total :</b>	<b>19</b>	<b>64</b>	<b>83</b>	<b>16</b>	<b>44</b>	<b>60</b>	<b>35</b>	<b>108</b>	<b>143</b>
<b>M.A. (Japanese)</b>									
Department of East Asian Studies	7	4	11	4	6	10	11	10	21
<b>Total :</b>	<b>7</b>	<b>4</b>	<b>11</b>	<b>4</b>	<b>6</b>	<b>10</b>	<b>11</b>	<b>10</b>	<b>21</b>
<b>M.A. (East Asian Studies)</b>									
Department of East Asian Studies	10	11	21	4	12	16	14	23	37
<b>Total :</b>	<b>10</b>	<b>11</b>	<b>21</b>	<b>4</b>	<b>12</b>	<b>16</b>	<b>14</b>	<b>23</b>	<b>37</b>
<b>M.A. (Mathematics)</b>									
Dyal Singh College	1	1	2	2	4	6	3	5	8
Hans Raj College	2	16	18	1	14	15	3	30	33
Hindu College	1	4	5	3	4	7	4	8	12
Indraprastha College for Women	0	14	14	0	13	13	0	27	27
Janki Devi Memorial College (W)	0	7	7	0	7	7	0	14	14

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Kirori Mal College	3	9	12	3	3	6	6	12	18
Lady Shri Ram College (W)	0	5	5	0	7	7	0	12	12
Maitreyi College (W)	0	11	11	0	6	6	0	17	17
Miranda House (W)	0	11	11	0	3	3	0	14	14
P.G.D.A.V. College	0	3	3	0	6	6	0	9	9
Ramjas College	2	3	5	0	7	7	2	10	12
St. Stephen's College	2	5	7	0	6	6	2	11	13
Zakir Husain College	3	2	5	3	0	3	6	2	8
<b>Total (Day) :</b>	<b>14</b>	<b>91</b>	<b>105</b>	<b>12</b>	<b>80</b>	<b>92</b>	<b>26</b>	<b>171</b>	<b>197</b>
Non-Collegiate Women's Edu. Board	0	62	62	0	4	4	0	66	66
<b>Total(Nonformal) :</b>	<b>0</b>	<b>62</b>	<b>62</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>66</b>	<b>66</b>
<b>Grand Total :</b>	<b>14</b>	<b>153</b>	<b>167</b>	<b>12</b>	<b>84</b>	<b>96</b>	<b>26</b>	<b>237</b>	<b>263</b>

**M.A. (Environmental Studies)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of Environmental Studies	4	3	7	11	11	22	15	14	29
<b>Total :</b>	<b>4</b>	<b>3</b>	<b>7</b>	<b>11</b>	<b>11</b>	<b>22</b>	<b>15</b>	<b>14</b>	<b>29</b>

**M.A. (Music)**

Daulat Ram College (W)	0	4	4	0	5	5	0	9	9
Indraprastha College for Women	0	4	4	0	4	4	0	8	8
Miranda House (W)	0	10	10	0	19	19	0	29	29
Ramjas College	11	2	13	10	1	11	21	3	24
<b>Total (Day) :</b>	<b>11</b>	<b>20</b>	<b>31</b>	<b>10</b>	<b>29</b>	<b>39</b>	<b>21</b>	<b>49</b>	<b>70</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	11	23	8	5	13	20	16	36
<b>Total :</b>	<b>12</b>	<b>11</b>	<b>23</b>	<b>8</b>	<b>5</b>	<b>13</b>	<b>20</b>	<b>16</b>	<b>36</b>

**M.Com.**

S-124	A.R.S.D. College	9	8	17	3	8	11	12	16	28
	Deshbandhu College	1	4	5	2	3	5	3	7	10
	Hans Raj College	13	18	31	15	9	24	28	27	55
	Hindu College	6	10	16	7	6	13	13	16	29
	Janki Devi Memorial College (W)	0	14	14	0	11	11	0	25	25
	Moti Lal Nehru College	8	15	23	0	14	14	8	29	37
	P.G.D.A.V. College	3	6	9	4	3	7	7	9	16
	Rajdhani College	8	7	15	5	5	10	13	12	25
	Ramjas College	8	15	23	4	10	14	12	25	37
	S.G.T.B. Khalsa College	7	4	11	3	9	12	10	13	23
	Shaheed Bhagat Singh College	8	16	24	5	5	10	13	21	34
	S.G.G.S. College of Commerce	2	9	11	0	10	10	2	19	21
	Shri Ram College of Commerce	16	35	51	8	19	27	24	54	78
	Zakir Husain College	9	5	14	4	8	12	13	13	26
	Sri Guru Nanak Dev Khalsa College	8	10	18	4	12	16	12	22	34
	<b>Total (Day) :</b>	<b>106</b>	<b>176</b>	<b>282</b>	<b>64</b>	<b>132</b>	<b>196</b>	<b>170</b>	<b>308</b>	<b>478</b>

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of Commerce	28	67	95	16	20	36	44	87	131
Deptt. of Commerce (SDC)	0	0	0	8	23	31	8	23	31
<b>Total (Deptt) Day :</b>	<b>28</b>	<b>67</b>	<b>95</b>	<b>24</b>	<b>43</b>	<b>67</b>	<b>52</b>	<b>110</b>	<b>162</b>
<b>Total (Regular) :</b>	<b>134</b>	<b>243</b>	<b>377</b>	<b>88</b>	<b>175</b>	<b>263</b>	<b>222</b>	<b>418</b>	<b>640</b>
School of Open Learning	169	321	490	82	184	266	251	505	756
<b>Total(Nonformal) :</b>	<b>169</b>	<b>321</b>	<b>490</b>	<b>82</b>	<b>184</b>	<b>266</b>	<b>251</b>	<b>505</b>	<b>756</b>
<b>Grand Total :</b>	<b>303</b>	<b>564</b>	<b>867</b>	<b>170</b>	<b>359</b>	<b>529</b>	<b>473</b>	<b>923</b>	<b>1396</b>

#### Master of Business Economics (M.B.E.)

Department of Business Economics	62	21	83	33	18	51	95	39	134
<b>Total :</b>	<b>62</b>	<b>21</b>	<b>83</b>	<b>33</b>	<b>18</b>	<b>51</b>	<b>95</b>	<b>39</b>	<b>134</b>

#### Master of Finance Control (M.F.C.)

Department of Financial Studies	36	12	48	30	11	41	66	23	89
<b>Total :</b>	<b>36</b>	<b>12</b>	<b>48</b>	<b>30</b>	<b>11</b>	<b>41</b>	<b>66</b>	<b>23</b>	<b>89</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	38	11	49	26	25	51	64	36	100
<b>Total :</b>	<b>38</b>	<b>11</b>	<b>49</b>	<b>26</b>	<b>25</b>	<b>51</b>	<b>64</b>	<b>36</b>	<b>100</b>

**Master of International Business (MIB)**

Department of Commerce	54	12	66	39	13	52	93	25	118
<b>Total :</b>	<b>54</b>	<b>12</b>	<b>66</b>	<b>39</b>	<b>13</b>	<b>52</b>	<b>93</b>	<b>25</b>	<b>118</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	36	11	47	25	18	43	26	8	34	87	37	124
<b>Total :</b>	<b>36</b>	<b>11</b>	<b>47</b>	<b>25</b>	<b>18</b>	<b>43</b>	<b>26</b>	<b>8</b>	<b>34</b>	<b>87</b>	<b>37</b>	<b>124</b>

**M.Sc.**

College/Department	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	3	3	6	1	1	2	4	4	8
Deshbandhu College	0	2	2	1	1	2	1	3	4
Gargi College (W)	0	5	5	0	2	2	0	7	7
Hans Raj College	118	128	246	74	117	191	192	245	437
Hindu College	97	123	220	68	118	186	165	241	406
Indraprastha College for Women	0	0	0	0	2	2	0	2	2
Institute of Home Economics (W)	0	31	31	0	32	32	0	63	63
Kirori Mal College	61	72	133	74	67	141	135	139	274
Lady Irwin College (W)	0	109	109	0	97	97	0	206	206
Lady Shri Ram College (W)	0	7	7	0	5	5	0	12	12
Miranda House (W)	0	118	118	0	96	96	0	214	214
P.G.D.A.V. College	1	0	1	0	0	0	1	0	1
Ramjas College	111	59	170	51	76	127	162	135	297
S.G.T.B. Khalsa College	9	22	31	3	16	19	12	38	50
Sri Venkateswara College	17	30	47	15	23	38	32	53	85
St. Stephen's College	19	32	51	12	25	37	31	57	88
Zakir Husain College	13	12	25	16	7	23	29	19	48
<b>Total (Day) :</b>	<b>449</b>	<b>753</b>	<b>1202</b>	<b>315</b>	<b>685</b>	<b>1000</b>	<b>764</b>	<b>1438</b>	<b>2202</b>
Department of Computer Science	21	25	46	12	24	36	33	49	82
Department of Operational Research (SDC)	13	22	35	10	3	13	23	25	48



College/Department	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Dr. B.R. Ambedkar Centre for Bio-Medical Res.	19	26	45	10	24	34	29	50	79
Department of Environmental Studies	11	16	27	11	13	24	22	29	51
<b>Total(Fac./Deptt./Centre) :</b>	<b>64</b>	<b>89</b>	<b>153</b>	<b>43</b>	<b>64</b>	<b>107</b>	<b>107</b>	<b>153</b>	<b>260</b>
<b>Total(Regular) :</b>	<b>513</b>	<b>842</b>	<b>1355</b>	<b>358</b>	<b>749</b>	<b>1107</b>	<b>871</b>	<b>1591</b>	<b>2462</b>
Non-Collegiate Women's Edn. Board	0	18	18	0	2	2	0	20	20
<b>Total(Nonformal) :</b>	<b>0</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>20</b>	<b>20</b>
<b>Grand Total :</b>	<b>513</b>	<b>860</b>	<b>1373</b>	<b>358</b>	<b>751</b>	<b>1109</b>	<b>871</b>	<b>1611</b>	<b>2482</b>

**M.Sc. Course-wise**

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Mathematics	54	101	155	38	96	134	92	197	289
Statistics	20	36	56	8	50	58	28	86	114
Operational Research	34	39	73	26	23	49	60	62	122
Applied Operational Research	13	22	35	10	3	13	23	25	48
Computer Science	21	25	46	12	24	36	33	49	82
Anthropology	10	33	43	7	19	26	17	52	69
Botany	15	62	77	18	44	62	33	106	139
Chemistry	101	138	239	87	142	229	188	280	468
Geology	21	5	26	13	13	26	34	18	52
Physics	170	136	306	100	118	218	270	254	524
Zoology	24	63	87	18	51	69	42	114	156
Home Science	0	140	140	0	129	129	0	269	269
Bio-Medical Research	19	26	45	10	24	34	29	50	79
Environmental Studies	11	16	27	11	13	24	22	29	51
<b>Total :</b>	<b>513</b>	<b>842</b>	<b>1355</b>	<b>358</b>	<b>749</b>	<b>1107</b>	<b>871</b>	<b>1591</b>	<b>2462</b>

**M.Sc.(Mathematics)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	0	1	1	1	1	2	1	2	3
Deshbandhu College	0	2	2	1	1	2	1	3	4
Hans Raj College	10	14	24	4	18	22	14	32	46
Hindu College	6	10	16	4	10	14	10	20	30
Kirori Mal College	8	12	20	5	15	20	13	27	40
Miranda House (W)	0	12	12	0	14	14	0	26	26
P.G.D.A.V. College	1	0	1	0	0	0	1	0	1
Ramjas College	13	10	23	5	17	22	18	27	45
S.G.T.B. Khalsa College	0	9	9	0	3	3	0	12	12
Sri Venkateswara College	3	14	17	4	6	10	7	20	27
St. Stephen's College	4	11	15	1	6	7	5	17	22
Zakir Husain College	9	6	15	13	5	18	22	11	33
<b>Total (Day) :</b>	<b>54</b>	<b>101</b>	<b>155</b>	<b>38</b>	<b>96</b>	<b>134</b>	<b>92</b>	<b>197</b>	<b>289</b>
Non-Collegiate Women's Edn. Board	0	18	18	0	2	2	0	20	20
<b>Total(Nonformal) :</b>	<b>0</b>	<b>18</b>	<b>18</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>20</b>	<b>20</b>
<b>Grand Total :</b>	<b>54</b>	<b>119</b>	<b>173</b>	<b>38</b>	<b>98</b>	<b>136</b>	<b>92</b>	<b>217</b>	<b>309</b>

**M.Sc. Statistics**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Hindu College	8	25	33	3	21	24	11	46	57
Lady Shri Ram College (W)	0	7	7	0	5	5	0	12	12
Ramjas College	11	2	13	2	16	18	13	18	31
Sri Venkateswara College	1	2	3	3	8	11	4	10	14
<b>Total (Day) :</b>	<b>20</b>	<b>36</b>	<b>56</b>	<b>8</b>	<b>50</b>	<b>58</b>	<b>28</b>	<b>86</b>	<b>114</b>

**M.Sc. (Operational Research)**

Hans Raj College	13	16	29	6	11	17	19	27	46
Hindu College	6	8	14	9	4	13	15	12	27
I.P. College (W)	0	0	0	0	2	2	0	2	2
Kirori Mal College	5	6	11	4	3	7	9	9	18
Ramjas College	7	3	10	1	1	2	8	4	12
St. Stephen's College	3	6	9	6	2	8	9	8	17
<b>Total (Day) :</b>	<b>34</b>	<b>39</b>	<b>73</b>	<b>26</b>	<b>23</b>	<b>49</b>	<b>60</b>	<b>62</b>	<b>122</b>

**M.Sc. (Applied Operational Research)**

Department of Operational Research (SDC)	13	22	35	10	3	13	23	25	48
<b>Total :</b>	<b>13</b>	<b>22</b>	<b>35</b>	<b>10</b>	<b>3</b>	<b>13</b>	<b>23</b>	<b>25</b>	<b>48</b>

**M.Sc. (Computer Science)**

Department of Computer Science	21	25	46	12	24	36	33	49	82
<b>Total :</b>	<b>21</b>	<b>25</b>	<b>46</b>	<b>12</b>	<b>24</b>	<b>36</b>	<b>33</b>	<b>49</b>	<b>82</b>

**M.Sc. (Anthropology)**

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	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Hans Raj College	10	18	28	7	14	21	17	32	49
Miranda House (W)	0	15	15	0	5	5	0	20	20
<b>Total (Day) :</b>	<b>10</b>	<b>33</b>	<b>43</b>	<b>7</b>	<b>19</b>	<b>26</b>	<b>17</b>	<b>52</b>	<b>69</b>

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**M.Sc. (Botany)**

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Hans Raj College	6	14	20	4	6	10	10	20	30
Hindu College	4	19	23	5	13	18	9	32	41
Kirori Mal College	2	4	6	7	7	14	9	11	20
Miranda House (W)	0	12	12	0	14	14	0	26	26
Ramjas College	3	6	9	2	3	5	5	9	14
S.G.T.B. Khalsa College	0	6	6	0	1	1	0	7	7
Sri Venkateswara College	0	1	1	0	0	0	0	1	1
<b>Total (Day) :</b>	<b>15</b>	<b>62</b>	<b>77</b>	<b>18</b>	<b>44</b>	<b>62</b>	<b>33</b>	<b>106</b>	<b>139</b>

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**M.Sc. (Chemistry)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	3	2	5	0	0	0	3	2	5
Gargi College (W)	0	5	5	0	2	2	0	7	7
Hans Raj College	24	21	45	16	19	35	40	40	80
Hindu College	18	27	45	11	37	48	29	64	93
Kirori Mal College	15	18	33	28	20	48	43	38	81
Miranda House (W)	0	24	24	0	23	23	0	47	47
Ramjas College	28	18	46	22	23	45	50	41	91
S.G.T.B. Khalsa College	2	2	4	1	6	7	3	8	11
Sri Venkateswara College	3	7	10	3	2	5	6	9	15
St. Stephen's College	5	8	13	3	8	11	8	16	24
Zakir Husain College	3	6	9	3	2	5	6	8	14
<b>Total (Day) :</b>	<b>101</b>	<b>138</b>	<b>239</b>	<b>87</b>	<b>142</b>	<b>229</b>	<b>188</b>	<b>280</b>	<b>468</b>

**M.Sc. (Geology)**

Hans Raj College	21	5	26	13	13	26	34	18	52
<b>Total :</b>	<b>21</b>	<b>5</b>	<b>26</b>	<b>13</b>	<b>13</b>	<b>26</b>	<b>34</b>	<b>18</b>	<b>52</b>

**M.Sc. (Physics)**

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Hans Raj College	23	24	47	15	22	37	38	46	84
Hindu College	50	22	72	31	20	51	81	42	123
Kirori Mal College	29	24	53	28	20	48	57	44	101
Miranda House (W)	0	34	34	0	23	23	0	57	57
Ramjas College	45	15	60	18	12	30	63	27	90
S.G.T.B. Khalsa College	6	4	10	1	6	7	7	10	17
Sri Venkateswara College	10	6	16	5	6	11	15	12	27
St. Stephen's College	7	7	14	2	9	11	9	16	25
<b>Total (Day) :</b>	<b>170</b>	<b>136</b>	<b>306</b>	<b>100</b>	<b>118</b>	<b>218</b>	<b>270</b>	<b>254</b>	<b>524</b>

**M.Sc. (Zoology)**

Hans Raj College	11	16	27	9	14	23	20	30	50
Hindu College	5	12	17	5	13	18	10	25	35
Kirori Mal College	2	8	10	2	2	4	4	10	14
Miranda House (W)	0	21	21	0	17	17	0	38	38
Ramjas College	4	5	9	1	4	5	5	9	14
S.G.T.B. Khalsa College	1	1	2	1	0	1	2	1	3
Sri Venkateswara College	0	0	0	0	1	1	0	1	1
Zakir Husain College	1	0	1	0	0	0	1	0	1
<b>Total (Day) :</b>	<b>24</b>	<b>63</b>	<b>87</b>	<b>18</b>	<b>51</b>	<b>69</b>	<b>42</b>	<b>114</b>	<b>156</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	31	31	0	32	32	0	63	63
Lady Irwin College (W)	0	109	109	0	97	97	0	206	206
<b>Total (Day) :</b>	<b>0</b>	<b>140</b>	<b>140</b>	<b>0</b>	<b>129</b>	<b>129</b>	<b>0</b>	<b>269</b>	<b>269</b>

**M.Sc. (Bio-Medical Research)**

Dr. B.R. Ambedkar Centre for Bio-Medical Res.	19	26	45	10	24	34	29	50	79
<b>Total :</b>	<b>19</b>	<b>26</b>	<b>45</b>	<b>10</b>	<b>24</b>	<b>34</b>	<b>29</b>	<b>50</b>	<b>79</b>

**M.Sc. Environmental Studies**

Deptt. of Environmental Studies	11	16	27	11	13	24	22	29	51
<b>Total :</b>	<b>11</b>	<b>16</b>	<b>27</b>	<b>11</b>	<b>13</b>	<b>24</b>	<b>22</b>	<b>29</b>	<b>51</b>



**M.Sc. (Applied Sc.) Subject-wise**

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Bio-Chemistry	0	12	12	0	5	5	0	17	17
Electronics	20	10	30	9	17	26	29	27	56
Genetics	4	8	12	5	7	12	9	15	24
Micro-Biology	0	13	13	0	8	8	0	21	21
Plant Mole. Bio. & Bio-Tech.	7	5	12	5	7	12	12	12	24
Informatics	18	28	46	20	25	45	38	53	91
<b>Total :</b>	<b>49</b>	<b>76</b>	<b>125</b>	<b>39</b>	<b>69</b>	<b>108</b>	<b>88</b>	<b>145</b>	<b>233</b>

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**M.Sc. (Bio-Chemistry)**

Department of Bio-Chemistry (SDC)	0	12	12	0	5	5	0	17	17
<b>Total :</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>17</b>	<b>17</b>

**M.Sc. (Electronics)**

Department of Electronic Science	20	10	30	9	17	26	29	27	56
<b>Total :</b>	<b>20</b>	<b>10</b>	<b>30</b>	<b>9</b>	<b>17</b>	<b>26</b>	<b>29</b>	<b>27</b>	<b>56</b>

**M.Sc. (Genetics)**

Department of Genetics (SDC)	4	8	12	5	7	12	9	15	24
<b>Total :</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>5</b>	<b>7</b>	<b>12</b>	<b>9</b>	<b>15</b>	<b>24</b>

**M.Sc. (Micro-biology)**

Department	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Department of Micro-biology (SDC)	0	13	13	0	8	8	0	21	21
<b>Total :</b>	<b>0</b>	<b>13</b>	<b>13</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>21</b>	<b>21</b>

**M.Sc. (Plant Mole. Bio & Bio-Tech.)**

Department of Plant Molecular Biology	7	5	12	5	7	12	12	12	24
<b>Total :</b>	<b>7</b>	<b>5</b>	<b>12</b>	<b>5</b>	<b>7</b>	<b>12</b>	<b>12</b>	<b>12</b>	<b>24</b>

**M.Sc. (Informatics)**

Institute of Informatic & Communication	18	28	46	20	25	45	38	53	91
<b>Total :</b>	<b>18</b>	<b>28</b>	<b>46</b>	<b>20</b>	<b>25</b>	<b>45</b>	<b>38</b>	<b>53</b>	<b>91</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.	17	32	49	19	27	46	36	59	95
<b>Total :</b>	<b>17</b>	<b>32</b>	<b>49</b>	<b>19</b>	<b>27</b>	<b>46</b>	<b>36</b>	<b>59</b>	<b>95</b>

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**M. Nursing**

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R.A.K. College of Nursing (W)	1	23	24	1	18	19	2	41	43
<b>Total :</b>	<b>1</b>	<b>23</b>	<b>24</b>	<b>1</b>	<b>18</b>	<b>19</b>	<b>2</b>	<b>41</b>	<b>43</b>

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**Master of Fine Art (M.F.A.)**

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College of Art	36	24	60	22	28	50	58	52	110
<b>Total :</b>	<b>36</b>	<b>24</b>	<b>60</b>	<b>22</b>	<b>28</b>	<b>50</b>	<b>58</b>	<b>52</b>	<b>110</b>

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**Statement showing the Subject-wise distribution of  
Students for the Academic Session (2010-11)**

**M. Tech. Courses**

Course	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
M.Tech. (Chem. Synth. & Proc. Tech.)	9	10	19	10	6	16	10	4	14	29	20	49
M.Tech. (Nano Sc & Nano Tech.)	5	6	11	5	6	11	3	11	14	13	23	36
M.Tech. (Nuclr Sc. and Tech.)	4	8	12	6	6	12	7	5	12	17	19	36
<b>Total :</b>	<b>18</b>	<b>24</b>	<b>42</b>	<b>21</b>	<b>18</b>	<b>39</b>	<b>20</b>	<b>20</b>	<b>40</b>	<b>59</b>	<b>62</b>	<b>121</b>

**M. Tech. (Microwave Electronics)**

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Department of Electronic Science	24	4	28	8	1	9	32	5	37
<b>Total :</b>	<b>24</b>	<b>4</b>	<b>28</b>	<b>8</b>	<b>1</b>	<b>9</b>	<b>32</b>	<b>5</b>	<b>37</b>

**Statement showing the College-wise and Course-wise  
distribution of Students during the Academic Session (2010-11)**

**B.Ed.**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Lady Irwin College (W)	0	102	102	0	0	0	0	102	102
Shyama Prasad Mukherji College(W)	0	98	98	0	0	0	0	98	98
M.V. College of Education	63	113	176	0	0	0	63	113	176
<b>Total (Day) :</b>	<b>63</b>	<b>313</b>	<b>376</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>313</b>	<b>376</b>
Department of Education	138	125	263	0	0	0	138	125	263
<b>Grand Total :</b>	<b>201</b>	<b>438</b>	<b>639</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>201</b>	<b>438</b>	<b>639</b>

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**B.Ed. (Special Education)**

Lady Irwin College (W)	0	32	32	0	0	0	0	32	32
Durga Bai Deshmukh College	20	14	34	0	0	0	20	14	34
<b>Total (Day) :</b>	<b>20</b>	<b>46</b>	<b>66</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>46</b>	<b>66</b>

**M. Ed. (Full-Time)**

Department of Education	12	26	38	0	0	0	12	26	38
<b>Total :</b>	<b>12</b>	<b>26</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>26</b>	<b>38</b>

**M.Ed. (Part-time)**

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Department of Education	8	27	35	5	25	30	13	52	65
<b>Total :</b>	<b>8</b>	<b>27</b>	<b>35</b>	<b>5</b>	<b>25</b>	<b>30</b>	<b>13</b>	<b>52</b>	<b>65</b>

**B.P. Ed. (B. Phy. Education)**

I.G.Inst. of Phy.Edu.& Sports Sc.	37	37	74	0	0	0	37	37	74
<b>Total :</b>	<b>37</b>	<b>37</b>	<b>74</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>37</b>	<b>74</b>

**M.P. Ed. (Master of Phy. Education)**

I.G.Inst. of Phy.Edu.& Sports Sc.	19	19	38	22	10	32	41	29	70
<b>Total :</b>	<b>19</b>	<b>19</b>	<b>38</b>	<b>22</b>	<b>10</b>	<b>32</b>	<b>41</b>	<b>29</b>	<b>70</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	630	204	834	388	158	546	281	140	421	1299	502	1801
<b>Total (Deptt) Day :</b>	<b>630</b>	<b>204</b>	<b>834</b>	<b>388</b>	<b>158</b>	<b>546</b>	<b>281</b>	<b>140</b>	<b>421</b>	<b>1299</b>	<b>502</b>	<b>1801</b>
Law Centre - I	787	216	1003	357	178	535	321	106	427	1465	500	1965
Law Centre - II	419	97	516	270	76	346	157	43	200	846	216	1062
<b>Total (Deptt) Eve :</b>	<b>1206</b>	<b>313</b>	<b>1519</b>	<b>627</b>	<b>254</b>	<b>881</b>	<b>478</b>	<b>149</b>	<b>627</b>	<b>2311</b>	<b>716</b>	<b>3027</b>
<b>Grand Total :</b>	<b>1836</b>	<b>517</b>	<b>2353</b>	<b>1015</b>	<b>412</b>	<b>1427</b>	<b>759</b>	<b>289</b>	<b>1048</b>	<b>3610</b>	<b>1218</b>	<b>4828</b>

**Master of Law (LL.M. Two year)**

Faculty of Law	40	16	56	39	14	53	0	0	0	79	30	109
<b>Grand Total :</b>	<b>40</b>	<b>16</b>	<b>56</b>	<b>39</b>	<b>14</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>30</b>	<b>109</b>

**Master of Law (LL.M. Three year)**

Faculty of Law	36	14	50	32	12	44	31	6	37	99	32	131
<b>Total (Deptt.) Eve. :</b>	<b>36</b>	<b>14</b>	<b>50</b>	<b>32</b>	<b>12</b>	<b>44</b>	<b>31</b>	<b>6</b>	<b>37</b>	<b>99</b>	<b>32</b>	<b>131</b>
<b>Grand Total :</b>	<b>36</b>	<b>14</b>	<b>50</b>	<b>32</b>	<b>12</b>	<b>44</b>	<b>31</b>	<b>6</b>	<b>37</b>	<b>99</b>	<b>32</b>	<b>131</b>

**Master of Comparative Laws (M.C.L. Two year)**

Faculty of Law	1	3	4	2	3	5	0	0	0	3	6	9
<b>Grand Total :</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>9</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	108	53	161	109	32	141	0	0	0	217	85	302
<b>Total (Deptt) (Day) :</b>	<b>108</b>	<b>53</b>	<b>161</b>	<b>109</b>	<b>32</b>	<b>141</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>217</b>	<b>85</b>	<b>302</b>

**Master of Business Administration in Management Service (Full-time)**

Faculty of Management Studies	52	17	69	57	6	63	0	0	0	109	23	132
<b>Total (Deptt) (Day) :</b>	<b>52</b>	<b>17</b>	<b>69</b>	<b>57</b>	<b>6</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>109</b>	<b>23</b>	<b>132</b>

**Master of Business Administration (M.B.A. Part-time Three-year)**

Faculty of Management Studies	172	27	199	112	17	129	85	12	97	369	56	425
<b>Total (Deptt) Eve :</b>	<b>172</b>	<b>27</b>	<b>199</b>	<b>112</b>	<b>17</b>	<b>129</b>	<b>85</b>	<b>12</b>	<b>97</b>	<b>369</b>	<b>56</b>	<b>425</b>

**Master of Business Administration in Health Care Administration (Three year)**

Faculty of Management Studies	23	7	30	15	8	23	18	5	23	56	20	76
<b>Total (Deptt) (Eve) :</b>	<b>23</b>	<b>7</b>	<b>30</b>	<b>15</b>	<b>8</b>	<b>23</b>	<b>18</b>	<b>5</b>	<b>23</b>	<b>56</b>	<b>20</b>	<b>76</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	14	3	17	11	4	15	0	0	0	25	7	32
M.Tech. (Inform. Sys.) FT	6	4	10	11	5	16	0	0	0	17	9	26
M.Tech. (Process Cont.) FT	8	3	11	11	1	12	0	0	0	19	4	23
<b>Total :</b>	<b>28</b>	<b>10</b>	<b>38</b>	<b>33</b>	<b>10</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>61</b>	<b>20</b>	<b>81</b>

**Master of Technology (Part Time) Subject-wise**

M.Tech. (Signal Proc.) PT	2	2	4	3	0	3	3	1	4	8	3	11
M.Tech. (Inform. Sys.) PT	0	0	0	0	1	1	2	0	2	2	1	3
M.Tech. (Process Cont.) PT	2	0	2	0	1	1	1	1	2	3	2	5
<b>Total :</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>13</b>	<b>6</b>	<b>19</b>

**Master of Engineering (Part Time) Subject-wise**

M.E. (Computer App.) PT	0	0	0	0	0	0	0	3	3	0	3	3
M.E. (Control & Instrument) PT	0	0	0	0	0	0	2	1	3	2	1	3
M.E. (Elect. & Commun.) PT	0	0	0	0	0	0	3	1	4	3	1	4
M.E. (Production) PT	0	0	0	0	0	0	4	2	6	4	2	6
M.E. (Thermal) PT	0	0	0	0	0	0	2	0	2	2	0	2
M.E. (Structure) PT	0	0	0	0	0	0	3	0	3	3	0	3
<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>7</b>	<b>21</b>	<b>14</b>	<b>7</b>	<b>21</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	0	0	0	2	0	2	2	0	2
<b>Total (Eve) :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>2</b>

**M.D.S (M. in Dental Surg.)**

Maulana Azad Medical College	3	6	9	5	4	9	4	4	8	12	14	26
<b>Total (Day) :</b>	<b>3</b>	<b>6</b>	<b>9</b>	<b>5</b>	<b>4</b>	<b>9</b>	<b>4</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>14</b>	<b>26</b>

**M.Sc. in Medical Imaging Technology**

M.Sc. (Medical Imaging Tech.)	1	2	3	0	0	0	0	0	0	1	2	3
<b>Total :</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>

**M.D. (Ayurvedic Medicine)**

Moalijat	0	0	0	0	2	2	0	0	0	0	2	2
<b>Total :</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>

**Statement showing the Subject-wise distribution of students for the Academic Session (2010-11)**

**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	0	2	2	1	1	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>0</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>8</b>

**D.M. Subject-wise**

Cardiology	5	0	5	5	0	5	5	0	5	15	0	15
Medical (Gastroenterology)	2	1	3	3	0	3	3	0	3	8	1	9
Neurology	9	0	9	5	0	5	4	0	4	18	0	18
<b>Total :</b>	<b>16</b>	<b>1</b>	<b>17</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>41</b>	<b>1</b>	<b>42</b>

**M.Ch. Subject-wise**

Peditrics Surgery	6	0	6	0	0	0	2	0	2	8	0	8
Cardio Vascular & Thoracic	4	0	4	4	0	4	4	0	4	12	0	12
Neuro-Surgery	6	0	6	4	0	4	4	0	4	14	0	14
Plastic & R.Surgery	3	0	3	2	0	2	2	0	2	7	0	7
<b>Total :</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>41</b>	<b>0</b>	<b>41</b>

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
<b>P.G. Degree Medical Science (College-wise)</b>												
Lady Hardinge Med. College (W)	59	59	118	36	32	68	25	26	51	120	117	237
Maulana Azad Medical College	71	82	153	43	46	89	46	44	90	160	172	332
U.C.M.S. & G.T.B. Hospital	53	63	116	41	25	66	31	20	51	125	108	233
V.P. Chest Institute	4	1	5	2	2	4	2	2	4	8	5	13
<b>Total (Day) :</b>	<b>187</b>	<b>205</b>	<b>392</b>	<b>122</b>	<b>105</b>	<b>227</b>	<b>104</b>	<b>92</b>	<b>196</b>	<b>413</b>	<b>402</b>	<b>815</b>
<b>P.G. Degree in Medical Science in Other Instt.</b>												
P.G.Deg. Med. Sc.-Other Ins.	35	13	48	28	6	34	32	9	41	95	28	123
<b>Total :</b>	<b>35</b>	<b>13</b>	<b>48</b>	<b>28</b>	<b>6</b>	<b>34</b>	<b>32</b>	<b>9</b>	<b>41</b>	<b>95</b>	<b>28</b>	<b>123</b>
<b>P.G. Diploma (Medical Science) Other Institute</b>												
Faculty of Medical Sciences	15	12	27	28	10	38	0	0	0	43	22	65
<b>Total (Day) :</b>	<b>15</b>	<b>12</b>	<b>27</b>	<b>28</b>	<b>10</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>	<b>22</b>	<b>65</b>

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
<b>P.G. Diploma (Medical Science) Subject-wise</b>												
Anaesthesiology (D.A.)	7	4	11	6	3	9	0	0	0	13	7	20
Dermat. & Venereology (DDV)	0	1	1	0	2	2	0	0	0	0	3	3
Radio-Diagnosis (DMRD)	1	1	2	2	0	2	0	0	0	3	1	4
Obstt. & Gynaecology (DGO)	0	14	14	0	12	12	0	0	0	0	26	26
Ophthalmology (D.O.)	3	2	5	2	3	5	0	0	0	5	5	10
Otorhinolaryngology (DLO)	0	0	0	1	0	1	0	0	0	1	0	1
Tub. & Chest Diseases (DTCD)	4	3	7	5	4	9	0	0	0	9	7	16
Paediatrics (DCH)	4	6	10	7	2	9	0	0	0	11	8	19
<b>Total :</b>	<b>19</b>	<b>31</b>	<b>50</b>	<b>23</b>	<b>26</b>	<b>49</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>57</b>	<b>99</b>

**Statement showing the course wise distribution under Faculty of  
Medical Sciences in the Academic Session (2010-11)**

**Faculty of Medical Science**

Subject	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.	22	15	37	7	15	22	8	17	25	20	16	36	11	29	40	68	92	160
M.B.B.S.	246	256	502	233	257	490	208	227	435	202	205	407	249	170	419	1138	1115	2253
B.Sc.(Med. Tech.-Radi )	11	4	15	8	7	15	2	7	9	0	0	0	0	0	0	21	18	39
PG Dip.in Anaesthesiology	7	4	11	6	3	9	0	0	0	0	0	0	0	0	0	13	7	20
PG.Dip. in Dermat & Vene	0	1	1	0	2	2	0	0	0	0	0	0	0	0	0	0	3	3
PG.Dip. in Radio-Diagnos	1	1	2	2	0	2	0	0	0	0	0	0	0	0	0	3	1	4
PGDip. in Obstt & Gynae	0	14	14	0	12	12	0	0	0	0	0	0	0	0	0	0	26	26
PGDip. in Ophthalmology	3	2	5	2	3	5	0	0	0	0	0	0	0	0	0	5	5	10
PG. Dip. in Otorhinolaryn	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
P.G.Dip. in Tub. & Chestd	4	3	7	5	4	9	0	0	0	0	0	0	0	0	0	9	7	16
P.G.Dip.in Paediatrics	4	6	10	7	2	9	0	0	0	0	0	0	0	0	0	11	8	19
P.G.Dip.Med.Sc.-Other	15	12	27	28	10	38	0	0	0	0	0	0	0	0	0	43	22	65
M.D. (Anaesthesiology)	7	23	30	11	9	20	4	8	12	0	0	0	0	0	0	22	40	62
M.D. (Community Med.)	15	8	23	3	5	8	5	2	7	0	0	0	0	0	0	23	15	38
MD. (Dermatology & Vene	3	6	9	4	3	7	1	6	7	0	0	0	0	0	0	8	15	23
M.D. (Forensic Medicine)	9	0	9	6	1	7	2	3	5	0	0	0	0	0	0	17	4	21
M.D. (Bio-Chemistry)	2	11	13	2	3	5	2	3	5	0	0	0	0	0	0	6	17	23
M.D. (General Medicine)	33	14	47	24	5	29	21	4	25	0	0	0	0	0	0	78	23	101
M.D. (Microbiology)	9	16	25	0	10	10	4	5	9	0	0	0	0	0	0	13	31	44
M.D. (Obstt. & Gynae)	1	25	26	0	22	22	0	18	18	0	0	0	0	0	0	1	65	66
M.D. (Paediatrics)	16	22	38	12	13	25	6	13	19	0	0	0	0	0	0	34	48	82

Subject	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. (Pathology)	4	23	27	0	10	10	1	8	9	0	0	0	0	0	0	5	41	46
M.D.(Pharmacology)	12	3	15	6	1	7	7	0	7	0	0	0	0	0	0	25	4	29
M.D. (Physiology)	3	2	5	6	2	8	7	1	8	0	0	0	0	0	0	16	5	21
M.D. (Psychiatry)	2	3	5	2	1	3	2	1	3	0	0	0	0	0	0	6	5	11
M.D. (Radio-Diagnosis)	9	9	18	4	3	7	4	3	7	0	0	0	0	0	0	17	15	32
M.D. (Radio-Therapy)	1	1	2	1	1	2	1	1	2	0	0	0	0	0	0	3	3	6
MDS (M. in Dental Surg)	3	6	9	5	4	9	4	4	8	0	0	0	0	0	0	12	14	26
M.S. (Anatomy)	4	3	7	1	2	3	4	2	6	0	0	0	0	0	0	9	7	16
M.S. (E.N.T.) Otorhino	6	7	13	2	4	6	5	2	7	0	0	0	0	0	0	13	13	26
M.S. (Ophthalmology)	4	14	18	4	7	11	1	10	11	0	0	0	0	0	0	9	31	40
M.S. (Orthopaedics)	12	9	21	13	0	13	10	0	10	0	0	0	0	0	0	35	9	44
M.S. (General Surgery)	35	6	41	21	3	24	17	2	19	0	0	0	0	0	0	73	11	84
M.Sc. (Med. Imaging TE)	1	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
P.G. Deg. Med.Sc.-Other	35	13	48	28	6	34	32	9	41	0	0	0	0	0	0	95	28	123
D.M. (Cardiology)	5	0	5	5	0	5	5	0	5	0	0	0	0	0	0	15	0	15
D.M. Med. (Gastroente)	2	1	3	3	0	3	3	0	3	0	0	0	0	0	0	8	1	9
D.M. (Neurology)	9	0	9	5	0	5	4	0	4	0	0	0	0	0	0	18	0	18
M.Ch. (Peaditrics Surger)	6	0	6	0	0	0	2	0	2	0	0	0	0	0	0	8	0	8
M.Ch. (Cardio Vascular &	4	0	4	4	0	4	4	0	4	0	0	0	0	0	0	12	0	12
M.Ch. (Neuro-Surgery)	6	0	6	4	0	4	4	0	4	0	0	0	0	0	0	14	0	14
M.Ch. (Plastic & R. Surge	3	0	3	2	0	2	2	0	2	0	0	0	0	0	0	7	0	7
PhD*	50	57	107	0	0	0	0	0	0	0	0	0	0	0	0	50	57	107
<b>Total :</b>	<b>624</b>	<b>602</b>	<b>1226</b>	<b>477</b>	<b>430</b>	<b>907</b>	<b>382</b>	<b>356</b>	<b>738</b>	<b>222</b>	<b>221</b>	<b>443</b>	<b>260</b>	<b>199</b>	<b>459</b>	<b>1965</b>	<b>1808</b>	<b>3773</b>

\*Total Students enrolled in Faculty of Medical Sciences.

**Statement showing the course wise distribution under Faculty of Technology  
in the Academic Session (2010-11)**

**Faculty of Technology**

Subject	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.)	0	0	0	0	0	0	60	10	70	62	8	70	0	0	0	122	18	140
B.E. (Computer Engg.)	130	20	150	101	29	130	177	35	212	183	32	215	0	0	0	591	116	707
B.E. (Electrical Engg.)	0	0	0	0	0	0	68	22	90	72	18	90	0	0	0	140	40	180
B.E. (Electronics & Com.)	122	27	149	102	29	131	209	35	244	200	42	242	0	0	0	633	133	766
B.E. (Instrum. & Control)	131	18	149	93	30	123	103	18	121	90	30	120	0	0	0	417	96	513
B.E. (Mechanical Engg.)	0	0	0	0	0	0	115	5	120	115	5	120	0	0	0	230	10	240
B.E. (Production & Ind.)	0	0	0	0	0	0	27	4	31	24	5	29	0	0	0	51	9	60
B.E. (Environ. Engg.)	0	0	0	0	0	0	12	9	21	17	7	24	0	0	0	29	16	45
B.E. Polymer Sc. & Chem.	0	0	0	0	0	0	33	4	37	26	7	33	0	0	0	59	11	70
B.E. Bio-Technology	13	7	20	10	7	17	23	14	37	22	17	39	0	0	0	68	45	113
B.E. (Information Tech.)	57	16	73	43	21	64	86	34	120	95	25	120	0	0	0	281	96	377
B.E. (Manufact. Process)	69	5	74	56	8	64	53	17	70	51	8	59	0	0	0	229	38	267
B. Tech (Civil Engg) PT	0	0	0	0	0	0	30	0	30	30	0	30	0	0	0	60	0	60
B. Tech (Electrical) PT	0	0	0	0	0	0	30	0	30	30	0	30	0	0	0	60	0	60
B. Tech (Electronics & C)	0	0	0	0	0	0	29	1	30	28	2	30	0	0	0	57	3	60
B. Tech (Mech. Engg.)	0	0	0	0	0	0	30	0	30	30	0	30	0	0	0	60	0	60
ME.(Computer App.)PT	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	3	3
M.E. (Control & Instr.)	0	0	0	0	0	0	2	1	3	0	0	0	0	0	0	2	1	3
M.E. (Elect. & Commun.)	0	0	0	0	0	0	3	1	4	0	0	0	0	0	0	3	1	4
M.E. (Production) PT	0	0	0	0	0	0	4	2	6	0	0	0	0	0	0	4	2	6
M.E. (Thermal) PT	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
M.E. (Structure) PT	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	3	0	3
M.Tech (Singal Proc.) FT	14	3	17	11	4	15	0	0	0	0	0	0	0	0	0	25	7	32
M.Tech (Inform.Sys.) FT	6	4	10	11	5	16	0	0	0	0	0	0	0	0	0	17	9	26



Subject	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.Tech (Process Cont.) F	8	3	11	11	1	12	0	0	0	0	0	0	0	0	0	19	4	23
M.Sc. (App. Physics) PT	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	2	0	2
M.Tech. (Signal Proc.) PT	2	2	4	3	0	3	3	1	4	0	0	0	0	0	0	8	3	11
M.Tech (Inform. Sys.) PT	0	0	0	0	1	1	2	0	2	0	0	0	0	0	0	2	1	3
M.Tech (Process Cont.) P	2	0	2	0	1	1	1	1	2	0	0	0	0	0	0	3	2	5
Ph.D*	95	66	161	0	0	0	0	0	0	0	0	0	0	0	0	95	66	161
<b>Total :</b>	<b>649</b>	<b>171</b>	<b>820</b>	<b>441</b>	<b>136</b>	<b>577</b>	<b>1107</b>	<b>217</b>	<b>1324</b>	<b>1075</b>	<b>206</b>	<b>1281</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3272</b>	<b>730</b>	<b>4002</b>

\* Total Students enrolled in Faculty of Technology.

**Statement showing the Number of SC/ST Students on Roll  
during the Academic Session 2010-2011**

**Engineering & Technology**

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	82	38	82	39	172	87	171	90	507	254
Post-graduate	6	0	2	0	8	3	0	0	32	3
<b>Total :</b>	<b>88</b>	<b>38</b>	<b>84</b>	<b>39</b>	<b>180</b>	<b>90</b>	<b>171</b>	<b>90</b>	<b>539</b>	<b>257</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	92	27	87	24	72	27	68	33	73	30	392	141
Post-graduate	61	32	36	20	32	11	0	0	0	0	129	63
P.G. Diploma	7	5	8	3	0	0	0	0	0	0	15	8
<b>Total :</b>	<b>160</b>	<b>64</b>	<b>131</b>	<b>47</b>	<b>104</b>	<b>38</b>	<b>68</b>	<b>33</b>	<b>73</b>	<b>30</b>	<b>536</b>	<b>212</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	8	3	5	0	7	2	7	4	2	0	29	9
<b>Total :</b>	<b>8</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>7</b>	<b>2</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>29</b>	<b>9</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	32	6	15	3	18	3	17	4	11	5	93	21
<b>Total :</b>	<b>32</b>	<b>6</b>	<b>15</b>	<b>3</b>	<b>18</b>	<b>3</b>	<b>17</b>	<b>4</b>	<b>11</b>	<b>5</b>	<b>93</b>	<b>21</b>

**Nursing**

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	16	8	14	6	13	6	11	5	54	25
Post-graduate	3	1	2	1	0	0	0	0	5	2
<b>Total :</b>	<b>19</b>	<b>9</b>	<b>16</b>	<b>7</b>	<b>13</b>	<b>6</b>	<b>11</b>	<b>5</b>	<b>59</b>	<b>27</b>

**Pharmacy**

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	3	1	1	0	9	1	7	0	20	2
Post-graduate	3	1	3	1	0	0	0	0	6	2
<b>Total :</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>26</b>	<b>4</b>

**Law**

	I Year		II Year		III Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
Post-graduate	435	188	173	100	139	92	747	380
<b>Total :</b>	<b>435</b>	<b>188</b>	<b>173</b>	<b>100</b>	<b>139</b>	<b>92</b>	<b>747</b>	<b>380</b>

**Management**

Post-graduate	72	21	44	17	17	6	133	44
<b>Total :</b>	<b>72</b>	<b>21</b>	<b>44</b>	<b>17</b>	<b>17</b>	<b>6</b>	<b>133</b>	<b>44</b>

**Computer Science**

Post-graduate	7	2	6	1	4	2	17	5
<b>Total :</b>	<b>7</b>	<b>2</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>17</b>	<b>5</b>

**Library Science**

Post-graduate	16	8	0	0	0	0	16	8
<b>Total :</b>	<b>16</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>8</b>

**Fine Arts**

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	26	10	26	11	19	8	18	6	89	35
Post-graduate	10	5	7	2	0	0	0	0	17	7
<b>Total :</b>	<b>36</b>	<b>15</b>	<b>33</b>	<b>13</b>	<b>19</b>	<b>8</b>	<b>18</b>	<b>6</b>	<b>106</b>	<b>42</b>

**Education**

Under-graduate	54	14	40	21	35	8	24	10	153	53
Post-graduate	113	45	6	1	0	0	0	0	119	46
<b>Total :</b>	<b>167</b>	<b>59</b>	<b>46</b>	<b>22</b>	<b>35</b>	<b>8</b>	<b>24</b>	<b>10</b>	<b>272</b>	<b>99</b>

**Commerce**

	I Year		II Year		III Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	2254	428	1404	271	1014	181	4672	880
Post-graduate	78	39	50	23	0	0	128	62
<b>Total :</b>	<b>2332</b>	<b>467</b>	<b>1454</b>	<b>294</b>	<b>1014</b>	<b>181</b>	<b>4800</b>	<b>942</b>

**Arts Course**

Under-graduate	3998	1325	2439	921	1966	775	8403	3021
Post-graduate	384	205	244	150	0	0	628	355
<b>Total :</b>	<b>4382</b>	<b>1530</b>	<b>2683</b>	<b>1071</b>	<b>1966</b>	<b>775</b>	<b>9031</b>	<b>3376</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	1569	372	635	154	393	101	20	7	3	0	2620	634
Post-graduate	219	77	134	34	0	0	0	0	0	0	353	111
<b>Total :</b>	<b>1788</b>	<b>449</b>	<b>769</b>	<b>188</b>	<b>393</b>	<b>101</b>	<b>20</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>2973</b>	<b>745</b>

**Others**

	M.Phil		Ph.D		Cert./Diploma		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
	59	36	253	66	387	55	699	157
<b>Grand total :</b>							<b>20076</b>	<b>6328</b>