

86th
ANNUAL REPORT
2008-2009

PART - I



UNIVERSITY OF DELHI

3rd May 2010

P R E F A C E

I am happy to present the 86th Annual Report of the University of Delhi for the year ending 31st March, 2009. The Report consists of two Parts. Part-I reflects the University's general infrastructure including its Faculties, Departments, Centres and Colleges and Part II carries Miscellaneous & Statistical Information. The Editorial Board, which prepared this Report, comprised of the following members:

1. Prof. Malashri Lal — *Chairperson*
Department of English
2. The Dean
Faculty of Science
3. The Dean
Faculty of Arts
4. The Dean (Planning)
University of Delhi
5. Shri Shiv Shankar
Member, Finance Committee
6. Dr. Gautam Chakravarty
Department of English
7. The Registrar
8. The Deputy Registrar (Council)

The Report presents the highlights of the activities and achievements of the University of Delhi during the academic year 2008-09.


DEEPAK PENTAL
Vice-Chancellor

CONTENTS

	Page
Achievements of the Year	1
Officers of the University	11
Summary of Select Decisions of the Executive Council	13
Convocation	16
Student Enrolment	16
SC/ST Student Enrolment	16
In Memoriam	17
University Finance	21
Plan Development Fund	46
Special Assistance Programme	47
Centre for Genetic Manipulation of Crop Plants	48
Centre for Canadian Studies	49
Centre for Environmental Management of Degraded Ecosystems	50
Centre for Psychoanalytic Studies	52
Institute of Informatics & Communication	53
Centre for Science Education and Communication	55
Centre for Detector and Related Software Technology	56
Centre for Inter-Disciplinary Studies of Mountain & Hill Environment	58
Centre for Professional Development in Higher Education	60
Centre for Entrepreneurship and Career Oriented Programme	62
Inter-Disciplinary Centre for Plant Genomics	63
Developing Countries Research Centre	65
Delhi University Computer Centre	68
University Science Instrumentation Center	68
Women's Studies and Development Centre	68
Non-Collegiate Women's Education Board	70
Gandhi Bhawan	71
Delhi University Sports Council	71

	Page
Delhi University Women's Association	72
University Press	72
Garden Committee	73
Culture Council	74
National Service Scheme	75
National Cadet Corps	76
Foreign Students' Registry	76
Directorate of Hindi Medium Implementation	77
The Dean Students' Welfare	78
W.U.S. Health Centre	78
University Employment Information & Guidance Bureau	79
Delhi University Library System	79
Aravali Post-Graduate Men's Hostel	85
Ambedkar Ganguly Students' House for Women	85
D.S. Kothari Hostel	85
Gwyer Hall	85
Geetanjali Hostel	86
International Students' House for Women	86
Jubilee Hall	86
Mansarowar Hostel	86
Meghdoot Hostel	86
North Eastern Students' House for Women	87
P.G. Men's Hostel	87
Saramati Post-Graduate Men's Hostel	87
University Hostel for Women	87
V.K.R.V. Rao Hostel	88
WUS University Hostel	88
Guest House	88
International Guest House	88

DEPARTMENTS

	<i>Page</i>
<i>Faculty of Arts</i>	
Arabic	91
Buddhist Studies	92
English	100
Germanic and Romance Studies	106
Linguistics	111
Library and Information Science	115
Modern Indian Languages and Literary Studies	120
Persian	124
Psychology	128
Philosophy	132
Philosophy (SDC)	137
Punjabi	137
Sanskrit	141
Urdu	142
<i>Faculty of Science</i>	
Anthropology	143
Botany	150
Chemistry	168
Environmental Biology	190
Dr. B.R. Ambedkar Centre for Biomedical Research	191
Geology	195
Physics and Astrophysics	205
Zoology	219
<i>Faculty of Law</i>	
Law Centre-I	231
Law Centre-II	235

Faculty of Education

Education	236
-----------------	-----

Faculty of Social Sciences

Adult Continuing Education and Extension	241
African Studies	244
East Asian Studies	247
Economics	251
History	257
Geography	260
Political Science	261
Sociology	265
Social Work	276

Faculty of Medical Sciences

Anatomy (MAMC)	280
Anatomy (LHMC)	282
Anatomy (UCMS)	282
Anaesthesiology (UCMS)	283
Biochemistry (MAMC)	286
Biochemistry (UCMS)	289
Biochemistry (VPCI)	291
Community Medicine (MAMC)	293
Forensic Medicine (UCMS)	296
Medicine (MAMC)	298
Microbiology (LHMC)	301
Microbiology (MAMC)	303
Ophthalmology (UCMS)	306
Ophthalmology (LHMC)	307
Ophthalmology (MAMC)	308
Obstetrics and Gynaecology (MAMC)	310

	Page
Orthopaedics (MAMC)	315
Paediatrics (MAMC)	318
Pulmonary Medicine (VPCI)	322
Pharmacology (MAMC)	336
Pharmacology (LHMC)	337
Pharmacology (UCMS)	338
Pharmacology (VPCI)	342
Physiology (LHMC)	345
Physiology (MAMC)	346
Physiology (UCMS)	347
Pathology (UCMS)	349
Psychiatry (MAMC)	351
Radiodiagnosis (MAMC)	353
Surgery (MAMC)	355
Lady Hardinge Medical College	356
University College of Medical Sciences	364
V.P. Chest Institute	388
 <i>Faculty of Technology</i>	
Computer Engineering	398
Mechanical Engineering	401
 <i>Faculty of Mathematical Sciences</i>	
Mathematics	404
Computer Science	409
Operational Research	415
Statistics	419
 <i>Faculty of Management Studies</i>	
Business Management and Industrial Administration	421

Faculty of Inter-disciplinary and Applied Sciences

Biochemistry (SDC)	429
Biophysics (SDC)	434
Electronic Science (SDC)	435
Genetics (SDC)	444
Plant Molecular Biology (SDC)	450
Physical Education and Sports Sciences	461
Microbiology (SDC)	463

Faculty of Applied Social Sciences and Humanities

Slavonic and Finno-Ugrian Studies	469
Business Economics (SDC)	470

Faculty of Commerce and Business

Commerce	473
Financial Studies (SDC)	483

COLLEGES

Acharya Narendra Dev College	487
Ahilya Bai College of Nursing	494
A & U Tibbia College	494
Aditi Mahavidyalaya	495
Atma Ram Sanatan Dharma College	496
Amar Jyoti Institute of Physiotherapy	497
Bhaskaracharya College of Applied Sciences	498
Bhim Rao Ambedkar College	500
Bhagini Nivedita College	504
Bharati College	506
College of Art	508
College of Vocational Studies	508
Delhi College of Engineering	509
Deen Dayal Upadhyaya College	516

	Page
Daulat Ram College	522
Delhi College of Arts & Commerce	524
Dyal Singh College	527
Dyal Singh College (Evening)	529
Deshbandhu College	532
Deshbandhu College (Evening)	533
Durgabai Deshmukh College of Special Education (Visual Impairment)	534
Gargi College	534
Hans Raj College	536
Hindu College	537
Institute of Human Behaviour & Allied Sciences	539
Indira Gandhi Institute of Physical Education & Sports Sciences	548
Institute of Home Economics	549
Indraprastha College for Women	553
Janki Devi Memorial College	556
Jesus & Mary College	559
Kirori Mal College	563
Kamala Nehru College	565
Kalindi College	568
Kashav Mahavidyalaya	570
Lady Shri Ram College for Women	571
Lady Irwin College	576
Lakshmibai College	580
Maharaja Agrasen College	581
Maitreyi College	584
Maharshi Valmiki College of Education	588
Mata Sundri College	589
Miranda House	590
Motilal Nehru College	600
Motilal Nehru College (Evening)	602
Netaji Subhas Institute of Technology	603

	Page
Nehru Homeopathic Medical College & Hospital	607
P.G.D.A.V. College	608
P.G.D.A.V. College (Evening)	609
Pt. Deendayal Upadhyaya Institute for the Physically Handicapped	610
Ram Lal Anand College	611
Ram Lal Anand College (Evening)	614
Rajkumari Amrit Kaur College of Nursing	615
Shyam Lal College	616
Shyam Lal College (Evening)	618
School of Open Learning	620
Shaheed Sukhdev College of Business Studies	621
Sri Guru Tegh Bahadur Khalsa College	622
Shaheed Rajguru College of Applied Sciences for Women	625
Sri Aurobindo College	627
Sri Guru Nanak Dev Khalsa College	627
Shivaji College	629
Sri Guru Gobind Singh College of Commerce	630
Sri Venkateswara College	631
Shaheed Bhagat Singh College	635
Shaheed Bhagat Singh College (Evening)	637
Satyawati College	637
Satyawati College (Evening)	637
School of Rehabilitation Sciences	638
Shyama Prasad Mukherji College for Women	640
Shri Ram College of Commerce	641
St. Stephen's College	642
Swami Shraddhanand College	643
Vivekananda College	645
Zakir Husain College	647
Zakir Husain Post Graduate (Evening) College	650

ACHIEVEMENTS OF THE YEAR

ACADEMIC

The University of Delhi has always kept pace with the rapidly growing knowledge base and, accordingly, efforts were made to revise the syllabi of various courses. The syllabi of the following courses have been revised and implemented from the Academic Session 2008-09: (i) B.Ed. Special Education (Visually Impaired); (ii) M.Tech., Nuclear Science & Technology; (iii) Bachelor of Law; (iv) Master of Law; (v) Master of Comparative Laws; (vi) M.A. Geography; (vii) B.Sc. (Hons.) Mathematics and (viii) B.Sc. (Hons.) Home Science.

Under the Special Assistance Programme of the Department of Science and Technology, Department of Chemistry and Department of Physics & Astrophysics have jointly started an Integrated (three year) M. Tech. Course in Nanoscience and Nanotechnology from the Academic session 2008-09. This course is being funded by DST and a sum of Rs. 2,61,35,000 has already being sanctioned.

In addition, a new M.Tech. course in Chemical Synthesis and Process Technology in the Faculty of Science has been seeded from the academic session 2008-09. Further, the University has introduced two new post-graduate courses : (i) Master of Arts in East Asian Studies; and (ii) Post-graduate Diploma Course in Foreign Languages.

This year, the University of Delhi has initiated a unique experiment in University–Industry interaction by signing a Memorandum of Understanding with the Confederation of Indian Industries (CII) for joint delivery of professional and vocational courses through Campus of Open Learning. At present, the following courses are being delivered in partnership with CII and other reputed industries in the field of Software Development, Automobile Service & Management, Retail Management, Medical Transcription, Hospitality, Insurance, Voice & Accent and Soft Skills.

Under the UKIERI programme of the British Council, the University of Delhi partnered with the Open University, UK, and more than 150 teachers have been trained in the new methodology for teaching by experts from the Open University, UK, through jointly delivered workshops on Supported Blended Learning. A total of nine workshops have been organised under this programme in Delhi. A workshop for advanced training was organised in Milton Keynes, UK, in which 18 teachers from various colleges of Delhi University participated.

The University has been roped in for an international scholarship programme with 12 selected European universities through the Erasmus Mundus Mobility grant awarded by the European Union. Students and staff of Delhi University will now have the opportunity to study and do research in these 12 European Universities. About 25 participants (students and staff) from Delhi University will be selected to go to Europe, and about 15 (student and staff) will be coming over to Delhi University in this exchange mobility programme beginning from April 2009.

A grant of Rs. 1.07 crore has been sanctioned by the World Bank for the International Exchange programme called 'Kabul Project' between Kabul University, Kabul, and Delhi University. Under this project, nine faculty members from various disciplines of Delhi University visited the Science Faculty of Kabul University for a period of seven weeks in May 2008. Some of their major contribution at Kabul University are revision and updating of the curricula and setting up of experiments in laboratories. They were also engaged in special classes on specific subjects.

Subsequently, in December 2008, 31 teachers from the Department of Physics, Chemistry, Mathematics, Computer Science, Botany, Zoology and Library Science of Kabul University, Kabul, visited the Delhi University for a two-month training programme in their respective disciplines. During this period, special lectures were organised for improving their knowledge. Besides this, lab. training was also imparted to them in the under-graduate laboratories in some of the colleges of Delhi University.

UGC AND RESEARCH GRANTS

UGC Grants

The University Grants Commission (UGC) has conveyed the approval of a total allocation of Rs. 1,903.51 crore for Delhi University, which includes recurring grant (for 5 years) of Rs. 1,227.62 crore and non-recurring grant (for 3 years) of Rs. 675.89 crore for implementation of OBC reservation in University departments, 53 UGC maintained colleges. Non-Collegiate Women's Education Board and UCMS as per the Central Educational Institutions (Reservation in Admission) Act, 2006. The 1st instalment of Rs. 215.87 crore out of the tentative allocation grant of Rs. 431.71 crore for implementing OBC reservation in these departments and colleges has been sanctioned and released by the Commission.

The Commission has sanctioned a total allocation of Rs. 170 crore out of which a grant of Rs. 40.47 crore has been released for the year 2008-09 during the XIth Plan.

A sanction of Rs. 12 crore 'on account' grant for infrastructural development and the construction of the Campus Law Centre-I has been granted by UGC.

The Commission has released Rs. 2 crore towards 'add on' grant for payment of Fellowships to M.Phil./Ph.D. scholars during the year 2007-08.

The Commission has released the 2nd instalment of Rs. 60 lakh for strengthening the infrastructure in terms of power supply, water supply, safety equipment, laboratory, working tables and infrastructure, including components for research at the P.G. level. This includes the Department of Zoology and Department of Geology.

A grant of Rs. 60 lakh has also been sanctioned for strengthening the infrastructure for components of research at the P.G. level such as power supply, water supply, safety equipment such as working tables in laboratories. This includes the Departments of Operational Research, Bio-Chemistry, Microbiology, Electronic Science, Computer Science; and Statistics.

The University Grants Commission has sanctioned Rs. 20 lakh as the first instalment against Recurring and Non-recurring grant for Women's Studies Centre for Plan expenditure for the year 2007-08 as per the Xth Plan Guidelines of the Scheme.

A sanction of Rs. 9 lakh for the Department of Adult Continuing Education and Extension for the year 2008-09 has been granted.

The University Grants Commission has been conveyed continuation of the Special Assistance Programme at the CAS-I level to the Department of History and has upgraded the status of the Department from DSA-III to CAS-I for a further period of five years from 1 April 2008 to 31 March 2013.

An approval for implementing and upgradation against the Special Assistance Programme in the Department of Home Science from DSA-III to CAS Phase-I for a period of five years, 1 April 2007 to 31 March 2012 has also been conveyed by the UGC.

Research Grants:

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

Prof. B.K. Thelma, Department of Genetics, has been sanctioned Rs. 3.77 crore by the Department of Biotechnology for the 'Centre of Excellence in Genome Science and Predictive Medicine' for a period of five years. Dr. Suman Kundu, Department of Biochemistry, is also associated with the Centre.

Prof. Akshay Pradhan and Prof. Deepak Pental of the Department of Genetics alongwith colleagues Dr. Arun Jagannath and Dr. Manu Aggarwal of the Department of Botany have been sanctioned Rs. 7.05 crore for the 'Centre of Excellence on Genome Mapping & Molecular Breeding in Brassica' for a period of five years by the Department of Biotechnology.

Prof. Madan Mohan, Dr. Sanjay Kapoor, Dr. Pradeep Burma and Prof. Deepak Pental have been sanctioned Rs. 3.47 crore under the NMITLI (New Millennium Indian Technology Leadership Initiative) programme of CSIR for the project titled 'Novel Approaches for production of hybrid seeds with characteristics of insects resistance and higher yield – rice and cotton component'.

The University of Delhi has been sanctioned Rs. 3.21 crore from DST for the project titled 'Technology Business Incubator'. Prof. R.K. Saxena is heading the activities of this project.

The following faculty members have been sanctioned one or more projects of the value more than Rs. 10 lakh:

<i>Name</i>	<i>Department</i>
Dr. Awadhesh Prasad	Physics & Astrophysics
Dr. Arun Kr. Sharma	Plant Molecular Biology
Prof. B.K. Thelma	Genetics

Dr. Chirashree Ghosh	Centre for Environmental Studies
Prof. D.P. Sarkar	Biochemistry
Dr. Diwan S. Rawat	Chemistry
Dr. D.B. Sahoo	Botany
Dr. Gautam K. Kshatriya	Anthropology
Prof. Gurmeet Singh	Chemistry
Dr. I Das Gupta	Plant Molecular Biology
Dr. K.N. Saraswathy	Anthropology
Prof. Monika Datta	Chemistry
Dr. Malaichamy Sathiyndiran	Chemistry
Prof. Mridula Gupta	Electronic Science
Prof. M.V. Rajam	Genetics
Prof. N.K. Chadha	Psychology
Prof. Noor Mohammad	Geography
Dr. N. Sukumar	Political Science
Dr. Poonam Batra	Education
Prof. Paramjit Khurana	Plant Molecular Biology
Prof. P.C. Ghosh	Biochemistry
Prof. P.K. Bhatnagar	Electronic Science
Dr. Rani Gupta	Microbiology
Prof. R.C. Kuhad	Microbiology
Prof. R.K. Saxena	Microbiology
Dr. Ruchi Gulati Marwah	Microbiology
Prof. R.P. Tandon	Physics & Astrophysics
Prof. Rup Lal	Zoology
Dr. Rajeev Gupta	Chemistry
Dr. Rina Chakrabarti	Zoology
Dr. R.K. Sharma	Chemistry
Dr. Sanjay Kapoor	Plant Molecular Biology
Dr. Surekha Katiyar Agarwal	Plant Molecular Biology
Prof. Sheela Srivastava	Genetics
Dr. Sanjay Kapoor	Plant Molecular Biology
Dr. Suneel Kateriya	Biochemistry
Dr. Suman Kundu	Biochemistry
Dr. Shailendra Goel	Botany
Dr. Sanjay Jain	Chemistry
Dr. Shyama Rath	Physics & Astrophysics
Prof. Satwanti Kapoor	Anthropology
Prof. Sunita Singh Sengupta	Business Management and Industrial Administration
Prof. T. Satyanarayana	Microbiology
Dr. Uma Garg	Music
Prof. V.S. Parmar	Chemistry

In addition to the above-mentioned projects, as many as 52 projects with a total grant of Rs. 9.5 crore have been sanctioned to the faculty members of various Departments of the University by different funding agencies.

LAND AND INFRASTRUCTURE

Land:

The University has taken possession of 6.57 hectares of land on 20.03.2008 at Surajmal Vihar, Vishwas Nagar (East Delhi).

Works:

Since the position of infrastructure for the academic endeavours is critical, the University has been striving hard to resolve the problem of shortage of space by taking up new constructions, and has created additional infrastructure during the period under report. The restoration and renovation of the Department of Anthropology building is under progress.

The following construction work is in progress:

Development of Infrastructure for Commonwealth Games-2010.

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

Agreement and MoUs:

In its pursuit to enrich academic inputs and experiences, the University of Delhi has maintained its tradition of entering into academic collaborations with celebrated institutions through various agreements. In the course of this endeavour, the University has signed Agreements/Memoranda of Understanding (MoU) for academic and research collaborations with many institutions, including the following Universities/Institutes abroad:

Kyungpook National University, Korea;

Ecole Polytechnique, France;

El Colegio De Mexico;

Shahid Chamran University, Ahvaz, Iran;

Paul Cezanne University, AIX-Marseille III, France;

Paris Descartes University, France;

University of Bradford, UK;

University of Adelaide, Australia;

Kyungsung University, Korea;

Concordia University, Canada;

Shinnyo-en, Buddhist Organization, Tokyo, Japan;

The Laboratoire de Geodynamique des Chaines Alpines, Joseph Fourier University, France;
Reims Management School, France;
Department of History, University of Uppsala, Sweden; and
Faculty of Social and Political Science, University of Laussane, Switzerland.

Symposia/Seminars/Conventions/Lectures

Lecture Series:

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

Lecture on '*Ethics and Human Values*' by His Holiness Dalai Lama on 21 January 2008.

Lecture on '*Jihad as Ethics, Jihad as War*' delivered by Prof. Ayesha Jalal, Tufts University, USA, 4 August 2008.

Lecture on '*Women: Leadership and Education*' by Ms. Esperanza Aguirre, President of the Regional Govt. of Madrid, Spain, 25 November 2008.

Lecture on '*Large Networks and Their Challenge to Mathematics*' by Prof. Laszlo Lovasz, President, International Mathematical Union, 22 December 2008.

Lecture on '*India's Foreign Policy*' by Shri Shiv Shankar Menon, Foreign Secretary, Government of India, on 19 January 2009.

Lecture on '*Can Compassion be Cultivated? New Directions in Education*' by His Holiness the Dalai Lama on 13 February 2009.

Lectures on '*Selves and Selfless Discourse*', and '*Indian Thoughts and Social Sciences on the Travails of Self-Identity*', by Prof. William Waldron on 26 February 2008.

Lecture on '*From Arthashastra to Hind Swaraj: Mahatma Gandhi and Modern Indian Political Philosophy*' by Prof. Antony Parel, Professor Emeritus, University of Calgary, Canada.

Lecture on '*Philosophy and Aesthetic Experience*' by Dr. Kapila Vatsyayana on 19 November 2008.

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

49th AMI International Symposium on '*Microbial Bio-technology: Diversity, Genomics and the Metagenomics*' was jointly organised by the Department of Zoology, University of Delhi North Campus, and Department of Microbiology, University of Delhi South Campus, 18-20 November 2008.

International Conference on '*Urban Planning and Policy Development*' in association with Street NET International (Durban), South Africa, National Alliances of Street Vendors of India (NASVI), by the Department of Social Work, 14-16 April 2008.

International Seminar on '*Hind Swaraj: 100 Years and after*' was organised by Gandhi Bhawan, 11-13 February 2009.

National Seminar on '*Deprivation, Development and the Right Based Approach: Response of Human Service Professions*' was organised by the Department of Social Work, 25-26 March 2008.

National Workshop on '*National Council of Social Work Profession in India*' was organised by the Department of Social Work on 26 March 2008.

National Symposium on '*Emerging Role of Physiology and Lifestyle Interventions in Health Sciences*' was organised by the Department of Physiology, UCMS, on 29 February 2008.

National Seminar on '*Short-Narratives in the Oral Tradition of Eastern India*' was jointly organised by the Department of M.I.L. & Eastern Regional Language Centre, Bhubaneswar, 5-6 March 2008.

National Seminar on '*Beyond Frontiers: Literature and Other Areas of Knowledge*' was organised by the Department of M.I.L. on 7-8 March 2008 under its DRS Programme.

National Seminar on '*Folklife and Fieldwork: The Process of Documentation and Presentation*' was organised by the Department of M.I.L. on 23-27 September 2008.

National Seminar on '*Philosophy of Mahapurusha Srimants Sankaradeva and Other Saints of Medieval India*' was organised by the Department of M.I.L. on 14-15 November 2008.

National Seminar on '*Science Education in Schools: Emerging Perspectives*' was organised by the Department of Education in February 2008.

Seminar on '*First Principles of American Foreign Policy and the Problem of Liberal Empire*' was organised by the Department of Political Science on 24 January 2008.

Seminar on '*Peace Movement in India*' was organised by the Department of Political Science on 4 August 2008.

Seminar on '*Transnational State Theory and the Question of Developmentalism*' was organised by the Department of Political Science' on 14 August 2008.

Seminar on '*Why India is a Democracy and Why Pakistan is Not: Some Speculative Thoughts on the Political Choice Factors*' was organised by the Department of Political Science on 21 August 2008.

AWARDS AND HONOURS

During the period under report, the Faculty members of the University have continued to receive recognition:

Dr. Shankar Reddy: Former Principal of Sri Venkateswara College, and recently appointed Vice-Chancellor of Eilm University, Bhutan, has received the Padma Shri Award from the Government of India.

Prof. Leela Omchery: Former Professor in Karnatak Music from the Department of Music, University of Delhi, and also an active member of the Delhi University Women's Association (DUWA), has received the Padma Shri Award from the Government of India.

Prof. B.K. Thelma: Department of Genetics, has been elected Fellow of the Indian National Science Academy.

Prof. T. Satyanarayana: Department of Microbiology, has been elected Fellow of the National Academy of Agricultural Sciences.

Prof. Poonam Batra: Department of Education, has been awarded the Jawaharlal Nehru Fellowship, 2008-2010, for research in 'Teacher Education and Social Change'.

Prof. Gurmeet Singh: Department of Chemistry, has been awarded the Meritorious Award for his contribution to the field of Corrosion Science and Technology by the National Association of Corrosion Engineers (NACE), USA.

Prof. K. Muralidhar: Department of Zoology, received the Prof. U.S. Srivastava Memorial Lecture Award of the National Academy of Sciences, Allahabad.

Prof. Poonam Batra: Department of Education, has been awarded the Ford Foundation Fellowship at the New School University, New York.

Prof. Rup Lal: Department of Zoology, has been awarded the Indo-US Professorship in Microbiology for the year 2008.

Prof. Vijay Kapur: Faculty of Management Studies, has been appointed Officer of the Order of Academic Palmes by the Prime Minister of the Republic of France.

Dr. Pratibha Jolly: Principal, Miranda House, has been re-elected Chairperson, International Commission on Physics Education Commission-14 of International Union of Pure and Applied Physics.

Dr. Nirupma Jaimini: Department of Education, has been elected Fellow of the International Union for Pure and Applied Chemistry (IUPAC), Geneva.

Prof. M. Kidwai: Department of Chemistry, has been awarded the Best Paper Award, 2005-2008, by Elsevier Science, U.K.

Dr. S.B.F. Husaini and Dr. Idris Ahmad: Department of Persian, have been awarded the President's Certificate in Persian Language.

Prof. Dr. S.A.H. Abidi: Department of Persian, has been conferred the International Farabi Award, 2008, by the Govt. of I.R. of Iran.

Prof. Chander Shekhar, Department of Persian, has been awarded the Indo-Iranian Cultural Promotion Award by the Govt. of I.R. of Iran.

Prof. M.M. Chaturvedi: Department of Zoology, has been elected Vice-President of the Indian Society of Cell Biology for the year 2009-2010.

Prof. J.K. Gambhir: Department of Bio-chemistry (UCMS), has been awarded membership of the National Academy of Medical Sciences.

Dr. K.K. Sharma: Department of Pharmacology (UCMS), has been elected President of the Indian Society for Rational Pharmacotherapeutics, 2008-2010, and member of the National Academy of Medical Sciences, India, 2008-2011.

Dr. K.K. Sharma: Department of Pharmacology (UCMS), received the John Autian Oration Award-2008 of the Society of Pharmacovigilance, India.

Dr. Sarika Jain: Department of Microbiology (UCMS), received the Dr. S.R. Sengupta – Dr. A.M. Saoji Memorial Award' for the best paper in Immunology for the year 2008 for her oral presentation on 'Role of Bacterial Superantigen in triggering acute Guttate Psoriasis' at the XXXII Annual Congress of IAMM held at AFMC, Pune.

Dr. S.K. Verma : Department of Forensic Medicine (UCMS), has been awarded Chartered Fellowship of the Advisory Directorate International by the American Biographical Institute and Scroll of Honour by IMA, East Delhi Branch.

Dr. Sanjay Chaturvedi: Department of Community Medicine (UCMS), has been awarded the Australian Leadership Award on Pandemic Preparedness' at the University of Melbourne and Dr. A.L. Saha Memorial Oration award of the Indian Public Health Association.

Dr. Sanjiv Kumar Bhasin: Department of Community Medicine (UCMS), has been awarded Fellowship by the Indian Public Health Association and has also been awarded Membership of the National Academy of Medical Sciences.

Dr. Radhakrishnan G.: Department of Obstts. & Gynae (UCMS), has been awarded the FOGSI Svizera Senior Award for the best paper on Menopause at the 51st AICOG, Delhi, and has also been designated Academic Fellow by the Indian College of Obstts. & Gynaecology.

Dr. A. Suneja : Department of Obstts. & Gynae (UCMS), has been designated a Fellow by the Indian College of Obstts. & Gynaecology.

Dr. Anu: Department of Obstts. & Gynae (UCMS), has received the First Prize at the Symposium on Menopause organised by the Indian Menopausal Society.

Dr. N.K. Aggarwal: Department of Forensic Medicine (UCMS), has been awarded the Scroll of Honour by IMA, East Delhi Branch.

Dr. Shridhar Dwivedi : Department of Medicine (UCMS), has been awarded the Dr. S. Radhakrishnan Memorial National Medical Teacher Award by the All India Free Journalist & Writer's Association and Dr. B.C. Bansal & Mrs. Uma Bansal Oration by API, Delhi State Chapter, and Fellowship of the Indian Academy of Yoga.

Dr. S.V. Madhu: Department of Medicine (UCMS), has been awarded the Dr. P.J. Mehta Oration, by API and Fellowship of the Indian College of Physicians.

Dr. Anil Kr. Jain: Department of Orthopaedics (UCMS), has been elected Secretary-General of World Orthopaedic Concern and has also been elected unopposed as Editor of the Indian Journal of Orthopaedics.

Dr. Anil Arora: Department of Orthopaedics (UCMS), has been awarded the Commonwealth Academic Staff Fellowship at the Royal National Orthopaedics Hospital, Stanmore, U.K.

Dr. Manish Chadha: Department of Orthopaedics (UCMS), has been awarded the International Fellowship of the International Society for Study of the Lumbar Spine (ISSLS) at Geneva, Switzerland, and Prof. S. Kokubun Spine Fellowship at Tohoku University, Sendai, Japan.

Dr. Anupama Tandon: Department of Radiology (UCMS), has been elected member of the National Academy of Medical Sciences.

Dr. P.P. Singh: Department of ENT (UCMS), has been elected Vice-President of the Indian Society of the Otolaryngology for the years 2008-2010.

Dr. V.P. Gupta: Department of Ophthalmology (UCMS), has been awarded the Dr. Prem Prakash Award by the All India Ophthalmological Society at the AIOS Conference.

OFFICERS OF THE UNIVERSITY

Chancellor

Hon'ble Mohd. Hamid Ansari

Pro-Chancellor

Justice K.G. Balakrishnan

Vice-Chancellor

Professor Deepak Pental

Pro-Vice-Chancellor

Professor S.K. Tandon

Dean of Colleges

Professor Nayanjot Lahiri

Director, South Delhi Campus

Professor Dinesh Singh

Director, Campus of Open Learning

Dr. (Ms.) Savita M. Datta

Treasurer

Ms. Janaki Kathpalia

Registrar

Dr. A.K. Dubey : (up to 04.03.2009)

Deans of the Faculties

Arts : Professor Shormishtha Panja (up to 19.04.2008)
Professor M.M. Agrawal (w.e.f. 20.04.2008)

Science : Professor Rup Lal

Social Sciences : Professor Achin Vanaik

Law : Professor S.N. Singh

Management Studies : Professor J.K. Mitra

Mathematical Sciences	:	Professor Manju Lata Aggarwal	
Medical Sciences	:	Professor Usha Rusia Professor Tejinder Singh Professor Kiran Mishra	(up to 27.11.2008) (up to 21.01.2009) (w.e.f. 22.01.2009)
Music & Fine Arts	:	Professor Anjali Mittal	
Technology	:	Professor Santosh Kumar Singh	
Ayurvedic and Unani Medicine	:	Dr. K.K. Sijoria Dr. Abdul Hafeez	(up to 10.04.2008) (w.e.f. 12.04.2008)
Education	:	Professor Bharati Baveja	
Inter-Disciplinary and Applied Sciences	:	Professor Ramesh Chand Kuhad Professor Rani Gupta	(up to 16.09.2008) (w.e.f. 17.09.2008)
Applied Social Sciences and Humanities	:	Professor S.K. Vij Professor R.K. Nagpal Professor Rashmi Aggarwal	(up to 30.06.2008) (up to 07.08.2008) (w.e.f. 08.08.2008)
Commerce & Business	:	Professor Sanjay Kumar Jain Professor Sanjay Sehgal	(up to 18.05.2008) (w.e.f. 19.05.2008)

Proctor

Professor Gurmeet Singh



SUMMARY OF SELECT DECISIONS OF THE EXECUTIVE COUNCIL

The Council reported and recorded letter No. 4-30/2007-Desk(U) dated 11.09.2007 regarding establishment of the Guru Granth Sahib Chair in the University of Delhi to commemorate the Tercentenary of the Gur-ta-Gaddi of Shri Guru Granth Sahibji. The Council resolved that the Chair be established in the Department of History.

(E.C. Res. No. 140 dated 16.01.2009)

The Council accepted the revision in the Teaching Assistants' amount from Rs. 18000 to Rs. 25000 p.m. to be applicable from 1 April 2009. *(E.C. Res. No. 141 dated 16.01.2009)*

The Council accepted the recommendations of the Academic Council regarding minor changes in the nomenclature of papers V & VII of B.Ed. Special Education (Visually Impaired) course being taught in Durgabai Deshmukh College of Special Education (Visual Impairment)

(E.C. Res. No. 6(1) dated 02.05.2008)

The Council accepted the recommendations of the Academic Council regarding the re-introduction of Post-Graduate Courses – M.D. Unani - Moalijat and M.D. Ayurveda-Kaya-Chikitsa Course and M.D. Kriya-Sharir Course with 2 seats instead of 3 seats and discontinuation of M.D. Unani Medicine w.e.f. 2004 with the CCIM directions.

(E.C. Res. No. 6(2) dated 02.05.2008)

The Council accepted the recommendations of the Academic Council regarding the addition of three papers to the M.Tech. Nuclear Science & Technology course on the suggestions of Bhabha Atomic Research Centre.

(E.C. Res. No. 6(3) dated 02.05.2008)

The Council accepted the recommendations of the Academic Council regarding amendments/consolidation of Ordinance VII and Appendix to Ordinance VII pertaining to the Bachelor of Laws (LL.B.)/ Master of Laws (LL.M.) and Master of Comparative Laws (MCL.) degree courses.

(E.C. Res. No. 6(4) dated 02.05.2008)

The Council accepted the recommendations of the Academic Council regarding the introduction and syllabus of Masters Programme in East Asian Studies.

(E.C. Res. No. 6(5) dated 02.05.2008)

The Council accepted the recommendations of the Academic Council regarding continuation of affiliation of the School of Rehabilitation Sciences, Hauz Khas, New Delhi.

(E.C. Res. No. 6(6) dated 02.05.2008)

The Council accepted the recommendations of the Academic Council regarding the report of the Reforms Committee for Post-Graduate Education.

(E.C. Res. No. 6(8) dated 02.05.2008)

The Council accepted the recommendations of the Academic Council regarding the merger of the Non-Formal External Cell with the School of Open Learning.

(E.C. Res. No. 6(9) dated 02.05.2008)

The Council accepted the recommendations of the Academic Council amendment in regulation No.17 regarding the use of Libraries under the Delhi University Library System (DULS).
(E.C. Res. No. 6(10) dated 02.05.2008)

The Council accepted the proposal regarding the inclusion of four posts of Deputy Registrar in three University Maintained Institutions (1 post in Dr. B.R. Ambedkar Centre for Biomedical Research, 1 post in the University College of Medical Sciences and 2 posts in the School of Open Learning) in the Central Registry.
(E.C. Res. No. 17 dated 02.05.2008)

The Council reported and recorded Letter No. 4(1) E.IV(A)/75 dated 07.06.1976 of the Ministry of Finance (Department of Expenditure), Govt. of India, to grant Study leave to teachers of the University to accept Jawaharlal Nehru Fellowship awarded by Jawaharlal Nehru Memorial Fund, New Delhi, to undertake research work. Since the Professors are not entitled to Study leave, therefore, Duty leave (with pay) may be granted for this purpose, instead of Study leave.
(E.C. Res. No. 49(29) dated 02.05.2008)

The Council accepted the recommendations of the Academic Council regarding the amendments/modifications in Ordinance VI-A M. Phil (English).
(E.C. Res. No. 56(3) dated 29.07.2008)

The Council accepted the recommendations of the Academic Council regarding the B.A.Sc. (Hons) in Electronics programme to be replaced by the existing B.Sc. (Hons.) in Electronics programme from the academic year 2008-09. (E.C. Res. No. 56(4) dated 29.07.2008)

The Council accepted the recommendations of the Academic Council regarding amendments in Ordinance VII (6).
(E.C. Res. No. 56(5) dated 29.07.2008)

The Council accepted the recommendations of the Academic Council regarding introduction of B.Sc. (Hons.) Food Technology Course and its syllabus to be effective from the academic session 2008-09.
(E.C. Res. No. 56(6) dated 29.07.2008)

The Council accepted the recommendations of the Academic Council regarding introduction of a three-year integrated M.Tech. Nanoscience and Nanotechnology Course and its syllabus to be effective from the academic session 2008-09. (E.C. Res. No. 56(7) dated 29.07.2008)

The Council accepted the recommendations of the Academic Council regarding introduction of a Post-Graduate Diploma Course in Foreign Language Education to cover the teacher trainee in French, German, Italian, Portuguese and Spanish and their syllabi to be effective from the academic session 2008-09.
(E.C. Res. No. 56(9) dated 29.07.2008)

The Council accepted the recommendations of the Academic Council regarding restructuring of the B.Sc. (Hons.) Mathematics Programme to replace the existing B.A./B.Sc. (Hons.) Mathematics Programme to be effective from the academic session 2009-10.
(E.C. Res. No. 56(10) dated 29.07.2008)

The Council accepted the recommendations of the Academic Council regarding introduction of a three-year M.Tech. Chemical Synthesis and Process Technologies Course and its syllabus in the Department of Chemistry to be effective from the academic session 2008-09. *(E.C. Res. No. 56(12) dated 29.07.2008)*

The Council accepted the recommendations of the Academic Council regarding adoption of syllabus along with the practicum of B.Ed. (Special Education for Visually Impaired) as per the norms of the Rehabilitation Council of India-2005 (RCI) for Durgabai Deshmukh College of Education (Visual Impairment) to be effective from the academic session 2008-09. *(E.C. Res. No. 56(13) dated 29.07.2008)*

The Council accepted the recommendations of the Academic Council regarding increase of five seats from 20 to 25 students to be admitted to the B.Ed. (Special Education) Programme at Durgabai Deshmukh College of Special Education (Visual Impairment) from the academic session 2008-09. *(E.C. Res. No. 56(15) dated 29.07.2008)*

The Council reported and recorded (i) revision of token honorarium from Rs. 500 to Rs. 1000 (plus postage charges) to experts for evaluation of published work for promotion under CAS, and (ii) sanction of token honorarium to experts for peer-reviewing new/revised syllabi of Rs. 1000 (plus postage charges) per syllabi be paid to the experts be accepted. *(E.C. Res. No. 64 dated 29.07.2008)*

The Council reported and recorded in granting the option for shifting from CPF to the New Pension Scheme (NPS) in respect of employees who were recruited prior to 01.01.2004 as both the schemes are based on defined contribution. *(E.C. Res. No. 127(23) dated 29.10.2008)*

The Council reported and recorded that the receipt of Letter No. F. 1-4/2007 (SCT) dated 29.09.2008 from the University Grants Commission regarding relaxation in Good Academic Record up to the graduation level for SC/ST candidates for the appointment of Lecturer or equivalent post in Universities and Colleges. *(E.C. Res. No. 131 dated 29.10.2008)*

CONVOCATION

The 86th Annual Convocation was held on 1 March 2009. Sh. Somnath Chatterjee, Speaker, 14th Lok Sabha, was the Chief Guest. The convocation was presided over by Prof. Deepak Pental, Vice-Chancellor, University of Delhi.

The total number of candidates admitted to the Ph.D., D.M. and M.Ch. degrees in various faculties was 371.

In addition, 68,700 candidates were admitted to various degree courses, including those of Bachelors, Masters, LL.B., M.B.B.S. and M.Phil. A total of 126 medals and 48 prizes were awarded.

STUDENT ENROLMENT

The total number of students enrolled in the University during the academic year 2008-09 was 3,93,951. Of these, 1,19,279 students were enrolled in the Colleges; 13,503 in the University Departments; 2,26,293 in the School of Open Learning; 13,957 in the Non-Collegiate Women's Education Board and 20,919 in the External Candidates' Cell.

SC/ST STUDENT ENROLMENT

During the period under report, the total number of SC and ST students enrolled in the various Under-graduate and Post-graduate courses of the University were 16,095 and 5081, respectively. Out of 16,095 SC students, 831 in Engineering & Technology, 417 in Medicine, 27 in Ayurvedic & Unani, 71 in Homeopathy, 35 in Nursing, 48 in Pharmacy, 468 in Law, 89 in Management, 14 in Computer Science, 17 in Library Science, 83 in Fine Arts, 210 in Education, 3637 in Commerce, 7492 in Arts Courses, 2009 in Science Courses, 78 in M.Phil. Course, 180 in Ph.D. Programme and 389 in various Certificate and Diploma Programmes were enrolled in the various Colleges and Department of the University. Similarly, out of 5081 ST students, 348 in Engineering & Technology, 188 in Medicine, 9 in Ayurvedic & Unani, 19 in Homeopathy, 17 in Nursing, 14 in Pharmacy, 248 in Law, 38 in Management, 6 in Computer Science, 3 in Library Science, 35 in Fine Arts, 76 in Education, 652 in Commerce, 2716 in Arts Courses, 576 in Science Courses, 44 in M.Phil. Course, 28 in Ph.D. Programme and 64 in various Certificate and Diploma Programmes 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

Dr. Ramaswamy Venkataraman
(04.12.1910 – 27.01.2009)

Dr. R. Venkataraman had been the Chancellor of this University in his capacity as Vice-President of India from 1984 and Visitor of the University as President of India from 1987. He completed his Masters Degree in Economics from Madras University and Law degree from the Law College, Madras. He was also enrolled in the Madras High Court in 1935 and in the Supreme Court of India in 1951. While practicing law, Dr. Venkataraman was drawn into the movement for India's freedom and gave his active participation in the Indian National Congress's Quit India Movement of 1942.

Dr. R. Venkataraman was a member of the Constituent Assembly that drafted the Constitution of India. He was elected to the Provincial Parliament in 1950. Dr. Venkataraman also served as a member of the Political Affairs and Economic Affairs Committee of the Union Cabinet; Governor International Monetary Fund of the International Bank of Reconstruction and Development and Asian Development Bank. He was leader of the Indian Delegation to the 42nd Session of the International Labour Conference at Geneva and also represented India in the Inter Parliamentary Conference in Vienna.

Dr. R. Venkataraman received various honours and honorary degrees-the Doctorate of Law from University of Madras and Nagarjuna University. He was Honorary Fellow, Madras Medical College, Doctor of Social Sciences, University of Roorkee, Doctor of Law from University of Burdwan. He was awarded the Tamra Patra for participation in the freedom struggle, the Soviet Land Prize for his travelogue on Shri Kamraj's visit to the Socialist countries. The title of "Sat Seva Ratna" was conferred on him by His Holiness the Sankaracharya of Kancheepuram. Some of his renowned published works are 'Role of Planning in Industrial Development', 'The Role of a Private Member of Parliament', 'My Presidential Years – R. Venkataraman', 'R.Venkataraman on Contemporary Issues', and 'Relevance of Gandhi: And Other Essays'.

Prof. V.V.S. Murti
(18.10.1922 - 22.12.2008)

Prof. V.V.S. Murti completed his B.Sc. in Chemistry and M.Sc. in Chemistry from Andhra University and his Ph.D. and D.Sc. under Prof. T.R. Seshadri. He joined as a Lecturer in the Department of Chemistry, Delhi University, in 1948. Subsequently he was promoted as Reader and Professor in the same Department. He was Head of the Department of Chemistry from 1971 and also worked as Dean, Faculty of Science, Delhi University.

Prof. Murti went to the US on a Fulbright Scholarship in 1958 where he worked under Professor Bodanzsky for two years till 1960. He became a life member of the Fulbright Association. He visited Moscow and Tashkent on a Delhi University assignment for six months in April 1967. He has a number of research publications to his credit and also supervised a number of students for their Ph.D. degree.

Prof. S.P. Talwar
(12.04.1931 - 06.12.2008)

Prof. S.P. Talwar completed his M.Sc. in 1953 and Ph.D. in 1957 from Delhi University. Prof. Talwar joined as a Lecturer in the Department of Physics in 1955 and was promoted as Reader in 1961 and as Professor in 1978. He was Head of the Department from 1986. He supervised a number of research students and published a number of publications in National and International journals and received a number of awards. He visited the National Aeronautics and Space Administration (NASA), USA, in 1963-65 and Longely Research Centre, USA, in 1969-70.

Prof. S.P. Talwar did a lot of work in the field of Plasma Physics. He also worked at the Goddard Space Flight Centre, Maryland, USA.

Prof. Mahendra Kumar
(14.07.1935-10.11.2008)

Prof. Mahendra Kumar completed his B.Sc. in 1952 and M.A. in Hindi in 1954. He completed his Ph.D. in 1958 from Delhi University and D.Litt. from Agra University in 1964 and also M.A. in Sanskrit in 1960 from Punjab University.

Prof. Mahendra Kumar worked as Lecturer in Hindi at Hans Raj College, S.G.T.B Khalsa College and Moti Lal Nehru College. He was appointed as Reader in the Department of Hindi, Delhi University, in 1970 and promoted as Professor in 1983. He was Head of the Department of Hindi during 1984-87.

He was a great scholar of Hindi, Sanskrit, Bengali and English language and published a number of books and articles.

Prof. H.C. Gupta
(14.07.1915-10.01.2008)

Prof. H.C. Gupta obtained two doctorate degrees, one in Mathematics from University of Agra and another in Mathematical Statistics from the University of Manchester, U.K. After teaching at Christ Church College, Kanpur, and later at Aligarh Muslim University, he joined Delhi University as Reader in 1957 and was promoted as Professor in 1968. He later became the first Head of the Department of Mathematical Statistics in 1973.

He was a devoted researcher and created a specialized school in the Department that excelled in Stochastic Processes. He guided many research students in their Ph.D. work and had an impressive list of publications to his credit. He authored several books in different areas of Mathematics and Statistics.

Prof. R.K. Dasgupta
(11.07.1915 - 03.02.2009)

Prof. Dasgupta completed his M.A. English in 1935, PRS in 1941 and D.Phil. (Bankim Chandra and Bengali Criticism) in 1948 from Calcutta University and also D.Phil. in 1957 from Oxford University on Milton's Theory of Poetry. He joined Delhi University in 1962 as the Tagore Professor of Bengali Language and Literature. He was also appointed as Head of the Modern Indian Language Department and Dean of the Faculty of Arts. Before joining Delhi University he taught in various Universities like Calcutta, Jadavpur and Sagar University. He received a number of medals, prizes and titles for his erudite scholarship: Mowat Gold Medal from Calcutta University in 1949, Sarojini Gold Medal from Calcutta University in 1972 and Kalidas Nag Memorial Medal in 1990. He has a number of publications at his credit. Prof. Dasgupta left Delhi University in 1980 and joined as Director of the National Library, Calcutta.

Prof. Prem Singh
(04.08.1935 - 01.11.2008)

Prof. Prem Singh obtained his Master's degree in 1959 from Punjab University, Post-M.A. Diploma in Linguistics from Deccan College, Pune, in 1962 and Master's and Ph.D. in Linguistics from Cornell University, USA, in 1966 and 1974, respectively. He was also awarded a Fellowship by Harvard University, USA, in 1971-74. He received the Suniti Kumar Chatterji Memorial gold medal from the Asiatic Society in 1998 in recognition of his work in the field of Indo-European and Indian Linguistics. Prof. Singh was elected President of the Indian Linguistic Society in 2001 and recently he was appointed as Member, Commission for Translation (Part of Knowledge Commission).

He was appointed as Reader in the Department of Linguistics in Delhi University in 1974 and promoted as Professor in 1981. He was Head of the Department during 1991-94 and Provost of the International Students' House during 1985-87.

UNIVERSITY FINANCE
Annual Accounts for the year 2008-09

A. University of Delhi

Balance Sheet

Income and Expenditure Account

Receipt and Payment Account

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

Schedule forming Part of Balance Sheet : Schedule 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 31ST MARCH, 2009

CAPITAL FUND AND LIABILITIES

	<i>Schedule No.</i>	<i>Current Year 2008-2009</i>	<i>Previous Year 2007-2008</i>
Capital Fund	1	1352806812	1084502030
Reserves and Surplus	-		
Earmarked/Endowment Fund	2	7746156797	3033758703
Secured Loans and borrowings	-		
Unsecured Loan and borrowings	-		
Deferred Credit Liabilities	-		
Current Liabilities and Provisions	3	82205770	70427646
		<hr/>	<hr/>
Total :		9181169379	4188688379
		<hr/>	<hr/>

ASSETS

Fixed Assets	4	1084762313	843366577
Investment - From Earmarked/ Endowment Funds	5	282407500	262376500
Investment - Others	-		
Current Assets, Loan, Advances etc.	6	7813999566	3082945302
Miscellaneous Expenditure (to the extent not written off or adjusted)			
		<hr/>	<hr/>
Total :		9181169379	4188688379
		<hr/>	<hr/>

Significant Accounting Policies	15
Contingent Liabilities and Notes on Accounts	16

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED ON
31ST MARCH, 2009**

<i>Particulars</i>	<i>Scheduled No.</i>	<i>Current Year</i>	<i>Amount in Rs. Previous Year</i>
(A) INCOME			
Grants/Subsidies	7	2165142000	1546834000
Fees/Subscriptions	8	297637849	294812750
Income from Royalty, Publication etc.	9	4120488	1783908
Interest Earned	10	4279497	5039064
Other Income	11	42576173	33987462
	Total (A) :	2513756007	1882457184
(B) EXPENDITURE			
Establishment Expenses	12	1492586833	1078679953
Other Administrative Expenses	13	736015046	666610526
Expenditure on Grants, Subsidies etc.	14	59151328	43256584
Depreciation		284236647	212157161
	Total (B) :	2571989854	2000704224
Excess of Income over Expenditure/(Expenditure over Income)		(58233847)	(118247040)
Less : Transfer from Plan Fund/(Transfer to Plan Fund)		---	45000000
		58233847	73247040
Balance being Deficit carried to Capital Fund			
Significant Accounting Policies	15		
Contingent Liabilities and Notes on Accounts	16		

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST MARCH, 2009

<i>Receipts</i>	<i>Current Year</i>	<i>Previous Year</i>
I. Opening Balances		
Bank Balance		
(i) Current Account	101089883	44572106
(ii) Savings Accounts	1113301631	566714933
(iii) Deposit accounts	1153568869	1372953269
II. Grants Received		
Form UGC	2165142000	1546834000
III. Interest Received from Investment	4279497	5295228
IV Other Income		
Fees and Subscriptions	297637850	294812750
Sale of Publications	4120488	1783908
Income from Building lands etc.	3800374	4033973
Miscellaneous	28556481	19670552
Other Departments	--	618600
Sale of Fixed Assets	8999022	9664338
VI. Any other receipts		
Permanent Advance	--	1000
Advances	64425106	--
Other Receipt from Earmarked funds	7039243552	1719967856
Other receipts	518416	331526
Deductions	251526496	269268937
Other body transaction	18725655	--
LTC advance	4928341	211365
Medical Advance	378820	--
Festival Advance	663370	1952060
Total :	12260905851	5858686401

I. EXPENSES

	<i>Current Year</i>	<i>Previous Year</i>
(a) Establishment Expenses		
Salary and allowances	1492586833	1078679953
(b) Administrative Expenses		
Administrative expenses	737564643	654791210
Prepaid expenses	7254023	30880481
Grants & subsidies	59151328	43256584
II. Payments against earmarked funds	2396474148	780354821
III Investments and deposits made	20031000	--
IV. Expenditure on Fixed Assets		
Purchase of Fixed Assets	200818781	297587168
V. Finance Charges	343256	---
VI. Other Payments		
Advances out of earmarked fund	1744048781	290610484
Other body transaction	--	23461495
Festival Advance	498650	1960905
Advances	--	21676644
Permanent Advance	72850	3000
Medical Advance	769420	222600
LTC Advance	5145341	--
Remittances	254154268	267240673
VII Closing Balances		
Bank Balance		
(i) Current Account	68132409	101089883
(ii) Savings Accounts	2187034355	1113301631
(iii) Deposit accounts	3086825765	1153568869
Total :	12260905851	5858686401

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.3.2009

		<i>Amount in Rs.</i>	
Schedules 1 : Capital Fund		<i>Current Year</i>	<i>Previous Year</i>
Balance at the beginning of the year	1084502030		962852249
Add : Fixed Assets purchased out of Earmarked Funds			
(a) Plan Account	180363627	136164312	
(b) Miscellaneous Account	7236026	15972711	
(c) Other Earmarked Fund	116725919	42653039	
(d) Admission Processing charges	3835605	911094	
(e) Assets not capitalised in previous year	19230590	--	
(f) Project Account	2668766	1004736	
(g) Gifted Assets	2173	--	
		1414564736	196705892
Less :			
(a) WDV of assets disposed off during the year	1411432	1793180	
(b) WDV of vehicals disposed off	1301184)	13222	
(c) WDV of assets destroyed in fire		2669	
(d) Deficit for the year as per Income & Expenditure Account	58233847	73247040	
(e) Adjustment relating to previous year	811461	--	
		61757924	75056111
Balance as at the year end		1352806812	1084502030

SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31-3-2009

Schedule 2 : Earmarked/Endowment Fund

Amount in Rs.

	Plan Account	Misc Account	Publication	Endowment Fund	Fellowship/Scholarship	Research Project	Admission Processing	Other Earmarked	Total for 2008-09
(a) Opening Balance of the funds	760506355	205602984	2800130	255138481	47970006	456290875	132224726	1173225146	3033758703
(b) Additions to the Fund : Income from investment made of the funds	83083291	1085385	86969	19734629	2199280	4065408	0	52385778	162640740
Accrued interest on investment	24966906	6523400	133156	2338359	1495478	8971303	5005438	43737924	93171964
Other additions	5218756031	116212070	16585	3640196	164231104	58204390	90753615	1195240637	7347054628
Total (a+b)	6087312583	329423839	3036840	280851665	215895868	1027531976	227983779	2464589485	10636626035
(c) Utilisation/Expenditure towards objective of funds									
(i) Capital Expenditure (Fixed Assets)	180363627	7236026	-	-	-	185833913	3835605	116725919	493995090
(ii) Revenue Expenditure	1599170357	136918983	9802809	9802809	118378946	275756163	88328670	168118220	2396474148
Total (c)	1779533984	144155009	0	9802809	118378946	461590076	92164275	284844139	2890469238
Closing balance at the year end (a+b-c)	4307778599	185268830	3036840	271048856	97516922	565941900	135819504	2179745346	7746156797
Closing balance represented by									
Loan and Advances	881890427	5342889	-	-	-	-	-	1352019557	239252873
LC:Margin	28390529								28390529
Balance in Bank									
Saving account	1044746578	43694975	409218	8709997	56021444	420234817	78725458	356965162	2009507649
Current account	19165342	10975302							30140644
Fixed Deposit	1808367104	118074141	1940000	60370000	40000000	136735780	51200000	838647059	3053334084
Govt. Securities			551000	199465000				82226000	282242000
Shares				165500					165500
Interest accrued but not due	25218619	7181523	136622	2338359	1495478	8971303	5894046	49887568	101123518
Total	3807778599	185268830	3036840	271048856	97516922	565941900	135819504	2679745346	7746156797
Less Loan taken from Plan A/c								500000000	500000000
Add Loan to Common Wealth Games A/c	500000000								
Net closing Balance	4307778599	185268830	3036840	271048856	97516922	565941900	135819504	2179745346	7746156797
Previous years (2007-08)	760506355	205602984	2800130	255138481	47970006	456290875	132224726	1173225146	3033758703

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.3.2009

Schedules 3 : Current Liabilities and Provisions

	<i>Current Year</i>	<i>Amount in Rs. Previous Year</i>
A. Current Liabilities		
1. Sundry Creditors	16342991	16384996
2. Statutory Liabilities : TDS payable	3722211	101466
3. Other current Liabilities (Sundries)		
Security (Receipt)	174530	42470
Amount Refundable to UGC	8461889	8075533
Expense payable	5663735	9524200
Other bodies Deposits	1295526	8764339
Other funds	46544888	27534642
	<hr/>	<hr/>
Total (A)	82205770	70427646
	<hr/>	<hr/>
B. Provisions	---	---
	<hr/>	<hr/>
Total (B)	---	---
	<hr/>	<hr/>
Total (A+B)	82205770	70427646
	<hr/>	<hr/>

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31-3-2009

Schedule 4 - Fixed Assets

Sr. No.	Description	Amount in Rs.						
		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	W.D.V. as at 31-3-2009	W.D.V. as at 31-3-2008
1.	Land	19716890	2		19716892		19716892	19716890
2.	Building	427775181	81549669		509324850	5	483858607	427775181
3.	Furniture & Fixtures	99107189	32681620	331766	131457043	25	98592782	99107189
4.	Scientific Equipments	51057486	128837170	906583	178988073	40	107392844	51057486
5.	Computer	49608645	128231474	3081	177837038	40	106702223	49608645
6.	Library Books	58883420	37663035	20659	96525796	50	48262898	58883420
7.	Car, Scooters, etc.	4141575	3994840	1434129	6702286	25	5026714	4141575
8.	Plant and Machinery	113739390	48918934	14473	162643851	20	130115081	113739390
9.	Musical Instruments	362294	607244	0	969538	50	484769	362294
10.	Sports Equipments	435107	15000	1925	448182	50	224091	435107
11.	Capital Work in Progress	18539400	65846013		84385413		84385413	18539400
Total of Current year		843366577	528345001	2712616.00	1368998962		2842366471084762313	843366577
Previous year		759021972	298310837	1809071	1055523738		212157161	843366577

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.3.2009
Schedules 5 : Investments from Earmarked/Endowment Funds

	<i>Current Year</i>	<i>Amount in Rs. Previous Year</i>
1. In Government Securities	282242000	262211000
2. Shares	165500	165500
	<hr/>	<hr/>
Total :	282407500	262376500
	<hr/>	<hr/>

Schedules 6 : Current Assets, Loans, Advances etc.

	<i>Current Year</i>	<i>Amount in Rs. Previous Year</i>
A. Current Assets		
1. Cash Balance in hand (including cheques/ drafts and imprest) Permanent imprest	425725	352875
2. Bank Balances - with Scheduled Banks :		
(a) Current Account		
Maintenance Grant Accounts	37991765	77469165
Ear marked Fund Accounts	30140644	23620718
	68132409	101089883
(b) Saving Accounts		
Maintenance Grant Accounts	169064817	35255773
Ear marked Fund Accounts	2009507649	1069970325
CPF Account refundable to UGC	8461889	8075533
	2187034355	1113301631
(c) Deposit Account		
Maintenance Grant Accounts	3101152	2476629
Ear marked Fund Accounts (including margin money)	3083724613	1151092240
	30868225765	1153568869
	<hr/>	<hr/>
Total (A) :	5342418254	2368313258
	<hr/>	<hr/>

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.3.2009

Schedules 6 : Current Assets, Loans, Advances etc.

	<i>Current Year</i>	<i>Amount in Rs. Previous Year</i>
B. Loan, Advances and others Assets		
1. Loans : (i) Staff		
(a) Festival Advance	52332	217052
(b) Leave Travel Concession	651835	434835
(c) Medical Reimbursement	938000	547400
(d) House Building Advance	44703137	59902840
(e) Conveyance/Computer Advance	3155610	2909760
2. Advance and other amounts recoverable in cash or in kind or for value to be received		
(i) Pre-paid Expenses	38134504	30880481
(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 Fund A/c	1100000	1100000
(vi) Other advances out of Earmarked funds.	2191394126	432391492
(vii) Other advances out of Maintenance Grant Accounts	69948455	134373561
3. Income accrued		
(a) On Investments from Earmarked/ Endowment Fund	101123518	31494828
Total (B) :	2471581312	714632044
Total (A+B) :	7813999566	3082945302

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE
YEAR ENDED 31-3-2009**

Schedules 7 : Grants/Subsidies

	<i>Current Year</i>	<i>Amount in Rs. Previous Year</i>
Grant received from University Grants Commission Others	2165142000	1546834000
Total :	2165142000	1546834000

Schedules 8 : Fees/Subscriptions

Admission fee	11200248	5735457
Annual Fees	3972651	4366227
University Enrolment fee	35039773	38571596
Tuition fee	7138627	10663103
Examination	214331101	214678896
Sports and Athletic Association fee	5310558	5819809
Migration fee	7418950	2974970
Special Enrolment/Annual fee	6466930	5130146
Laboratory fee	153318	167100
Library fee	794773	961144
Computer fee	119000	106775
Provisional & Misc. certificate	536125	340890
Others	5155795	5296637
Total :	297637849	294812750

Schedules 9 : Income from Royalty, Publication etc.

1. Income from Publications	4120488	1783908
Total :	4120488	1783908

Schedules 10 : Interest Earned

1. On Term Deposit

(a) With Scheduled Banks	1934033	3320645
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2. On Saving Accounts

(a) With Scheduled Banks	2345464	1718419
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Total :	4279497	5039064
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	<i>Current Year</i>	<i>Amount in Rs. Previous Year</i>
Schedules 11 : Other Income		
Health Centre contribution	6515053	4703302
Leave salary & Pension Contribution	10848848	3862055
Sale Raddi/Auction of Obsolete	8999022	9664338
License fee, Rent of Building etc.	3800374	4033973
Sale of Tender form	460300	191000
Others	11952576	11532794
	<hr/>	<hr/>
Total :	42576173	33987462
	<hr/>	<hr/>

Schedules 12 : Establishment Expenses

Salary and Allowances

Teaching staff	412120413	293498873
Non-Teaching staff	519188081	362181252
Lower Subordinate staff	170274503	136219972
Bonus	8743180	4892601
Deposit Link Insurance	443169	569840
Gratuity	26890046	28917471
Leave encashment	11851624	20246729
Pension	324071595	215223741
CPF Contribution	4367868	7901615
NPS Contribution	3844458	2637452
Leave Travel Concession	7514176	3755904
Honorarium	2303631	2273184
Reimbursement of Tuition fee	449089	217616
Staff Benefit/Workmen compensation	525000	143703
	<hr/>	<hr/>
Total :	1492586833	1078679953
	<hr/>	<hr/>

Schedules 13 : Other Administrative Expenses

Academic Expenses	45769413	42050124
Award and Scholarship	943194	1139012
Advertisement Expenses	17473494	9324180
Chemical & Glassware	16771827	18877511
Contingency	29285341	26748893
Net working expenses	14995787	9664863
Conveyance Expenses	3106830	3932153

	<i>Current Year</i>	<i>Previous Year</i>
Electricity & Water Expenses	124109592	120084512
Examination Expenses	113614547	107711360
Games & Sports	4820680	2303706
Legal & Professional	6470168	4710710
Medical Expenses	78079407	65003640
Other Expenses	10150088	10037930
Periodical & Journals	71426418	26998906
Postage & Telephone	12213466	11123883
Printing and Stationery	30614230	21599246
Rent Rate & Taxes	1296042	1983914
Repair and Maintenance of Building	88999014	126829792
Repair and Maintenance of Machinery	9755127	10032664
Repair and Maintenance of Furniture	1316955	719183
Repair and Maintenance of Vehicle	2475666	2703346
Repair and Maintenance of Laboratory	1478041	1557098
Travelling Expenses	4165152	1087662
Bank Charges	343256	314213
House Keeping Expenses	8532790	9153870
M/o Lawns	2943962	2904660
Refund of fee	441206	170453
Property Tax	5657244	5635207
Seminar/Symposia/Workshop	5364467	4267234
Audit Charges	10000	137305
Watch and Ward Services	23391642	17803296
Total :	736015046	666610526

Schedules 14 : Expenditure on Grants, Subsidies etc.

(a) Grants given to Institutions/Organizations		
(i) Grants to Halls & Hostels	59032132	42978733
(ii) Miscellaneous Grant	119196	277851
Total :	59151328	43256584

**SCHEDULES FORMING PART OF THE ACCOUNTS FOR THE YEAR
ENDED 31ST MARCH 2009**

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 banks 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/U.G.C. 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 capitalised in the financial statement at a nominal value i.e. Re. 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 :

<i>S. No.</i>	<i>Type of Asset</i>	<i>Rate</i>
1.	Building	5%
2.	Furniture & Fixture	25%
3.	Scientific Equipments	40%
4.	Computer including Printers, Softwares, UPS etc.	40%

5.	Library Books	50%
6.	Buses, Vans etc.	30%
7.	Cars, Scooters	25%
8.	Plant & Machinery including Air-conditioners, Generators, Fire Extinguishers, Telephone, Television sets, Photo copiers, Fax Machines, Water Coolers, Projectors etc.	20%
9.	Musical Instruments	50%
10.	Sports Equipments	50%

6.2 In respect of addition to fixed assets during the year depreciation is provided for 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 at 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 U.G.C.), where the ownership of the assets vests in the University, are merged with the fixed assets of the University by debiting respective fixed asset account and crediting Capital Fund account. Depreciation is charged at the rates applicable to 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 are merged with the Fixed Assets of the University at written down value by debiting respective Fixed Assets account and crediting Capital Fund Account.

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 2008 to February 2009. No provision is made towards salary for the month of March 2009.

4. 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.

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

8. Delhi University Press

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

9. Loans & Advances

The Loans & Advances shown in the asset side of the Balance Sheet does not include, advances pertaining to period upto 31st 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.

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

<i>Particular</i>	<i>Qty.</i>	<i>Amount Capitalized</i>
Books & Journal	2164 Nos.	2164/-
Computer /Laptop/Monitor	9 Nos.	9/-

11. During the year DDA has allotted land measuring 8000 Sqm. on perpetual lease hold basis to the University of Delhi for construction of Law Centre at Dwarka. The University has paid provisional premium amount of Rs. 2/- (Rs. Two only) which has been capitalized in the accounts.
12. Schedules 1 to 16 are annexed to and form an integral part of the Balance Sheet as at 31st March 2009 and the Income and Expenditure Account for the year ended on that date.
13. Previous year figures have been regrouped wherever necessary.

PROVIDENT FUND ACCOUNT CONSOLIDATED BALANCE SHEET AS AT 31ST MARCH 2009

LIABILITIES

	<i>Current Year 2008-2009</i>	<i>Amount in Rs. Previous Year 2007-2008</i>
Subscribers Account		
General Provident Fund	1767746545	1590109044
Contributory Provident Fund	491296032	458503865
New Pension Scheme	28143065	13803657
Interest Reserve Account	97270675	68502978
Other Liabilities	--	240
Total :	2384456317	2130919784

	<i>Current Year 2008-2009</i>	<i>Amount in Rs. Previous Year 2007-2008</i>
ASSETS		
Investments	128000000	1391609300
Interest Accrued but not due	164081263	91410440
Bank Balances with Scheduled banks in :		
Savings Accounts	12630054	14580044
Deposit Accounts	927745000	633320000
Total :	<u>2384456317</u>	<u>2130919784</u>

PROVIDENT FUND ACCOUNT

CONSOLIDATED INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2009

	<i>Current Year 2008-2009</i>	<i>Amount in Rs. Previous Year 2007-2008</i>
(A) Income		
Interest realised during the year	119106574	
Add : Interest Accrued	<u>81032090</u>	
	200138664	
Less : Interest Accrued for the year 2007-08 but realised during the year 2008-09	-8361267	191777397
Adjustment relating to previous years	355785	79881
Total (A) :	<u>192133182</u>	<u>167770667</u>
(B) Expenditure		
Interest allowed to Subscribers	163357576	149832115
Bank Charges	7909	45655
Total (B) :	<u>163365485</u>	<u>149877770</u>
Balance being excess of Income over expenditure, transferred to Interest Reserve Account (A-B)	28767697	17892897

**CONSOLIDATED RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR
ENDED 31ST MARCH 2009**

Receipts	<i>Current Year 2008-2009</i>	<i>Previous Year 2007-2008</i>
To Opening Balance in :		
-- Saving Accounts	14580044	11521834
To Fixed Deposit encashed	308379300	113380000
To Interest Received	119106574	109706649
To GPF Subscription	250686393	222682088
To CPF Subscription & Contribution	47510244	46237180
To NPS Subscription & Contribution	12761446	8935884
To Other Receipts	-	31707
Total :	753024001	512495342

Payments

By Loan/Withdrawal/Final Payments to		
GPF Subscribers	199882025	212548204
CPF Subscribers	49286191	32001439
NPS Subscribers	22582	-
By investment in Fixed Deposit	491195000	253320000
By Bank Charges	7909	45655
By Other Liabilities	240	
By Closing Balance in :		
Savings Accounts	12630054	14580044
Total :	753024001	512495342

**UNIVERISTY PRESS
BALANCE SHEET AS AT 31ST MARCH 2009**

Assets	<i>Current Year 2008-2009</i>	<i>Previous Year 2007-2008</i>
1. Machinery, Furniture & Equipments		
Less Depreciation	2010922.00	2225108.00
Less Auction		

2. Amount Receivable	16648991.00	12406271.00
3. Auction Amount	1852000.00	1852000.00
4. <i>Stock in Hand</i>		
(a) Raw Material	708258.00	873588.00
(b) Finished Goods	76695.00	69225.00
5. Work in Progress	126000.00	132000.00
6. Cash in Bank	5772345.00	8848373.00
7. Festival Advance	11300.00	12950.00
8. Permanent Advance	1000.00	1000.00
Total :	27207511.00	26420515.00

Funds & Liabilities

1. Sundry Creditors :

(a) Deduction from Salary Bills	702288.00	686710.00
(b) Bills Payable	308922.00	934133.00
(c) Others	93796.00	--

2. Loan Advances :

(a) Advance for work to be done	130000.00	130000.00
(b) Inter Bank Transfer	17395492.00	17395492.00
(c) Earnest Money	10500.00	10500.00
(d) Amount Payable	25169.00	

3. Capital

	8541344.00	7,263,680.00
Total :	27207511.00	26420515.00

PROFIT & LOSS ACCOUNT FOR THE YEAR 2008-2009

Particulars	<i>Amount in Rs.</i>	
	<i>Current Year 2008-2009</i>	<i>Previous Year 2007-2008</i>
1. To Opening Stock :		
(a) Raw Materials	873588.00	448101.00
(b) Finished Goods	69225.00	86155.00

2. To Work in Progress	132000.00	290000.00
3. To Pay and Allowances :	4530649.00	4157294.00
(a) O.T.A.	-	5968.00
(b) L.T.C.	20826.00	4582.00
(c) Tuition Fees	3720.00	480.00
(d) Bonus	92726.00	56124.00
(e) Medical Re-imburement	152277.00	508444.00
4. To Purchase of Raw Materials	2331617.00	3948408.00
5. To Misc. Contingent Exp.	104871.00	81436.00
6. To Rate, Rent and Taxes	3808.00	5227.00
7. To Work Done Through Outside Agency	4346666.00	3881607.00
8. Depreciation :		
(a) Machinery, Furniture & Equipment	174862.00	193483.00
9. Loss sale of Assets	-	130829.00
10. Profit :	1414623.00	4102320.00
	Total : 14251458.00	17900458.00

1. Receipts :

(a) By Printing and Binding Bills	13340505.00	16731849.00
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2. By prior items	-	93796.00
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3. By Closing Stock :

(a) Raw Materials	708258.00	873588.00
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(b) Finished Goods	76,695.00	69225.00
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4. By work in progress	126000.00	132000.00
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	Total : 14251458.00	17900458.00
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INDIRECT EXPENSES

Net Profit	1430299.00
Total :	1430299.00

Profit	1414623.00
Profit on Sale of Assets	15676.00
Total :	1430299.00

UNIVERSITY PRESS A/C NO. 10851295354

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST MARCH 2009

Receipts	<i>Current Year</i>	<i>Previous Year</i>
I. Opening Balance		
Bank Balance	8848373	5559107
II. Income	9093946	15880044
III. Others		
Deductions	1916871	1733499
Sale of Fixed Assets	-	254500
Festival Advance	10650	11700
Other receipts	45169	6035
Total :	19915009	23444885
Payments		
I. Expenses		
Establishment Expenses	4530649	4732892
II. Other Administrative expenses		
Expenditure	7681722	8092230
Festival Advance	9000	12000
Remittances	1901293	1752401
Other Payments	20000	6989
III. Closing Balance		
Bank Balance	5772345	8848373
Total :	19915009	23444885

HALLS AND HOSTELS
BALANCE SHEET AS AT 31ST MARCH 2009

	<i>Current Year</i>	<i>Previous Year</i>
Capital Fund and Liabilities		
Capital Fund and Liabilities	81518205	82418317
Earmarked/Endowment Funds	10732911	9426543
Current Liabilities and Provisions	8865878	7487874
Total :	101116994	99332735
Assets		
Fixed Assets	49504742	54461852
Investments from earmarked/endowment funds	478500	478500
Investments others	13367465	12563539
Current Assets, Loans, Advances etc.	37820512	31883068
Miscellaneous Expenditure	-54224	-54224
Total :	101116994	99332735

HALLS AND HOSTELS
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED
31ST MARCH 2009

Income		
Income from sales/services	12202819	9839148
Grants/Subsidies	59271388	54142046
Fees/Subscriptions	17934765	15591651
Interest earned	1832842	1499654
Other Income	5660382	5340167
Total (A) :	96902196	86412666
Expenditure		
Establishment Expenses	54134336	39771487
Other Administrative Expenses	29684591	25714247
Expenditure on Grants, Subsidies etc.	1635726	0
Interest	4727	7017
Depreciation	14210405	14948083
Total (B) :	99669785	80440834

Balance Being Excess of Expenditure over Income (A-B)	(2767589)	5971832
Balance Being surplus (Deficit) carried to capital Fund	(2767589)	5971832

HALLS AND HOSTELS

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31ST MARCH 2009

Amount in Rs.

Receipts	<i>Current Year</i>	<i>Previous Year</i>
I. Opening Balance	27245633	24519656
II. Grants received	59032132	54486402
III. Income on investments	10982183	4781904
IV. Interest Received	1030363	649241
V. Other Income	33792339	29243548
VI. Any other receipts	12967246	8943067
Total :	145049896	122623818
Payments		
I. Expenses		
(a) Establishment Expenses	53067963	39551750
(b) Administrative Expenses	29499696	24843836
II. (a) Payments against earmarked fund	4129382	3848057
(b) Payment against projects	608507	771538
III. Investments and deposits made	5967254	5158394
IV. Expenditure on fixed assets & Capital work-in-progress	10300710	15717053
V. Finance Charges	21228	276667
VI. Other Payments	7006437	5210890
VII. Closing Balances	34448719	27245633
Total :	145049896	122623818

PLAN DEVELOPMENT FUND

The University Grants Commission released the following on account grant to the University of Delhi:

Rs. 13.6186 crore under the XIth Plan General Development Grant

Rs. 6.6372 crore for the Merged Schemes under the XIth Plan General Development Grant

Rs. 10.5241 crore under the XIth Plan General Development Grant

Rs. 33.75 crore as special grant out of Rs. 100.00 crore approved by the Ministry of Human Resource Development as an Institution of Excellence

Rs.430.88 crore for implementation of OBC reservation as per the Central Educational Institutions (Reservation in Admission) Act, 2006 in two instalments.

First instalment of Rs. 215.87 crore was released which of Rs. 58.72 crore was for University Departments, Rs. 149.69 crore for 53 University maintained colleges, Rs. 0.84 crore for NCWEB and Rs. 6.62 crore for UCMS.

The second instalment of Rs. 215.01 crore was released which of Rs. 58.71 crore was for University Departments, Rs. 149.68 crore for 53 University maintained colleges and Rs. 6.62 crore for UCMS.

UGC conveyed the total tentative outlay of Rs.1903.51 crore as Recurring (for five years) and Non-Recurring (for three years), for implementation of OBC reservation as per the Central Educational Institutions (Reservation in Admission) Act, 2006. The details are given below:

	<i>(Rupees in Crore)</i>			
	<i>University Departments</i>	<i>53 UGC Maintained Women's Colleges</i>	<i>Non-Collegiate Women's Education Board</i>	<i>University College of Medical Sciences</i>
Recurring (for five years)	323.10	883.63		20.89
Non- Recurring (for three years)	194.67	436.36	7.36	37.50
Total	517.77	1319.99	7.36	58.39
Total Teaching Posts approved	646	2860		48 including 35 Jr./Sr. Residents

SPECIAL ASSISTANCE PROGRAMME

The University Grants Commission approved Special Assistance to the following Departments under its Special Assistance Programme:

Department of History: The University Grants Commission vide its Letter No. F. 6-7/2008 (SAP-III) dated 31 March 2008 conveyed its approval for continuation of the Special Assistance Programme at the level of CAS –I by upgrading the status of the Department of History from DSA - III to CAS - I for a further period of five years (01.04.2008 to 31.03.2013). The following financial assistance was approved:

Non-Recurring	:	Rs. 20.00 lakh
Recurring	:	Rs. 40.00 lakh
Total (Non-Recurring + Recurring)	:	Rs. 60.00 lakh

Department of Sociology: The University Grants Commission conveyed its approval for continuation of the Special Assistance Programme at the level of CAS to the Department of Sociology for a period of five years (01.04.2008 to 31.03.2013). The following financial assistance was approved :-

Non-Recurring	:	Rs. 14,00,000
Recurring	:	Rs. 59,00,000
Total (Non-Recurring + Recurring)	:	Rs. 73,00,000

Department of Adult Continuing Education and Extension: The University Grants Commission sanctioned Rs. 9.0 lakh for the Adult Continuing Education and Extension and Field Outreach Programme under the Department of Adult, Continuing Education and Extension.

Women's Studies and Development Centre: The University Grants Commission sanctioned Rs. 10.00 lakh as recurring grant towards second installment for Women's Studies and Development Centre for the year 2008-09 as per the Xth Plan Guidelines of the Scheme.

Department of Geology: The University Grants Commission sanctioned the third installment of Rs. 30.00 lakh to the Department of Geology for strengthening of infrastructure in terms of power supply, water supply, safety equipment, laboratory working tables, etc., including the component of research at P.G. level during the year 2008-09.

CPDHE: The University Grants Commission sanctioned Rs. 20.00 lakh towards organising orientation/refresher courses to the Academic Staff College (CPDHE) to be incurred during the year 2008-09.

Departments of Statistics and Computer Science: The University Grants Commission sanctioned Rs. 20.00 lakh to the Department of Statistics and Department of Computer Science for strengthening of infrastructure in terms of power supply, water supply, safety equipment, laboratory working tables, etc., including the component of research at P.G. level, during the year 2008-09.

Observation of UGC Visiting Committee

The UGC Expert Committee of 10 members visited the University of Delhi for three days on 15-17 September 2008 to review the performance during the Xth Plan and to assess the requirements of the University and its Departments for the XIth Plan. The University presented its requirements, which included requirements for construction activities, equipment/ furniture for laboratories, ITC, books and journals, ILLL, research activities, staff, Campus of Open Learning and Merged Schemes, etc.

Based on the recommendation of the Visiting Committee, UGC approved the following grant:

Rs. 170.00 crore under the XIth Plan General Development Grant for buildings, equipment, books and journals, Central Facilities (Library, Computer Centre, Health Centre, Sports Facilities, etc.) ILLL, Staff, Campus Development, International Academic Collaboration, Central Instrumentation facility, Law Centre and miscellaneous grant for Departments.

Rs. 6.1750 crore under Merged Schemes. This includes Unassigned Grants, Travel Grants, Grants for Conference/Seminars/Workshops/Symposia/Short-term Training Programmes, Publication Grant, Appointment of Visiting Professors/Fellows, Day Care Centre, Women's Hostel, Instruments Maintenance Activity, Coaching Scheme for SC/ST/OBC, etc., facilities for differently abled persons, Faculty Improvement Programme, establishment of Career and Counselling Cell, Internal Quality Assurance Cell, etc.

Rs. 24.00 crore for Non-NET Fellowships for doing M.Phil/Ph.D.

CENTRE FOR GENETIC MANIPULATION OF CROP PLANTS

Major Activities

The major activity of the Centre is the genetic improvement of oilseed mustard (*Brassica juncea*) through conventional and biotechnological approaches. The Centre has developed two mustard hybrids, DMH-1 and DMH-11, based on natural cytoplasmic male sterility (CMS)/ restorer system and transgenic *barnase* /*barstar* system, respectively. DMH-1 has been released by the All India Varietal release committee, Ministry of Agriculture, Government of India, as it showed significant yield superiority over the national check varieties in the All India Co-ordinated Trials of ICAR. The seed production of this hybrid is being done by State Farm Corporation of India (SFCI) and National Seeds Corporation (NSC). Farmers' field coverage of DMH-1 during 2008-09 was around 23,324 hectares and it is projected that during 2009-10, DMH-1 will cover around 40 thousand hectares. Another major area of activity of the Centre is molecular mapping and marker-assisted breeding of agronomically important traits in mustard. The Centre has developed a high-density molecular map consisting of more than 1500 anonymous DNA markers and has developed a comparative map using Arabidopsis genes in *B. juncea*. It has led to tagging of many important quality traits such as erucic acid, seed coat colour and glucosinolates.

These genes are being transferred to elite Indian varieties through marker-assisted backcross breeding. Recently, a Centre of Excellence has been granted by the Department of Biotechnology, Government of India, for undertaking advanced research on genome mapping and molecular breeding in brassicas.

Research Scheme

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Establishment of (a) Centre for Genetic Manipulation of Crop Plants (CGMCP) at the University of Delhi, South Campus, and research facilities at Mangolpuri for genetic engineering of oil seed, mustard/rapeseed and selected vegetable crops.	Prof. Deepak Pental	Dhara Vegetable Oil and Foods

Publications

Bisht, N.C., Gupta, V., Ramchiary, N., Sodhi, Y.S., Mukhopadhyay, A., Arumugam, N., Pental, D. and Pradhan, A.K. 2009. 'Fine mapping of loci involved with glucosinolate biosynthesis in oilseed mustard (*Brassica juncea*) using genomic information from allied species'. *Theor. Appl. Genet.* 118:413-421.

Panjabi, P., Jagannath, A., Bisht, N.C., Lakshmi Padmaja, K., Sharma, S., Gupta, V., Pradhan, A.K. and Pental, D. 2008. 'Comparative mapping of *Brassica juncea* and *Arabidopsis thaliana* using Intron Polymorphism (IP) markers: Homeologous relationships, diversification and evolution of the A, B and C Brassica genomes'. *BMC Genomics*, 9:113.

CENTRE FOR CANADIAN STUDIES

Major Activities

In early March 2009, in a meeting with representatives of the University Grants Commission, the Centre for Canadian Studies (a multidisciplinary Centre) has been assured of financial support for a period of three years, 2009-2012, under 'Area Study Programme' of the UGC. The Centre was initially designated as 'Area Study Programme' of the UGC in the Xth Five-Year Plan (2002-07). Subsequently, the Centre was granted an extension during the year 2007-08.

The Centre provides support to the projects of research scholars registered for their Ph.D./ M.Phil. degree programmes in such subject disciplines as Business Studies, English, Economics, History, Linguistics, and Political Science.

Research Scheme

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Environment, Technology, Governance and Economic Development.	Dr. V.K. Vasal	Govt. of Canada through Shastri Indo-Canadian Institute

Programmes taken up involving Inter-institutional Collaboration

14th Lester Pearson lecture (in association with the Shastri Indo-Canadian Institute) on 30 April, 2008 delivered by H.E. Dr. David Malone, High Commissioner of Canada in India, on 'India and Canada: A Study in Contrasts'?

Short Course on 'Management Control Systems' by Prof. Suresh Kalagnanam, Edwards School of Business, University of Saskatchewan, Canada, 4-5 August 2008.

Organised VIII Pierre Trudeau Memorial Debate for undergraduate students of Delhi University, 25 February 2009, on the topic 'In the opinion of the house, Rise in Fundamentalism is a Sure Sign that a Melting-pot approach is preferable to a Multicultural one', in co-operation with the Canadian High Commission.

CENTRE FOR ENVIRONMENTAL MANAGEMENT OF DEGRADED ECOSYSTEMS

Major Activities

The Centre for Environmental Management of Degraded Ecosystems (CEMDE) is actively working in the areas 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 programmes. CEMDE faculty is also sharing major teaching responsibilities in M.Sc. (Environmental Biology).

Ph.D. Degrees awarded

Ph.D. - 2

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
Taxonomic investigations on the indigenous arbuscular mycorrhizal fungal species of the arid and semi-arid regions of North India.	Ministry of Environment and Forests
Biomonitoring of ozone pollution in north Indian climate.	DST
Developing advanced Mathematical techniques for modelling in aquatic ecology (As Co-PI, Collaborative project with IIT, Delhi).	DST
Inventorization of the greenhouse gases: Sources and sinks in Delhi.	Deptt. of Environment, Govt. of Delhi
Spatial distribution of PTE and other pollutant anions in the ground water in varied urban environments of NCT, Delhi.	Deptt. of Environment, Govt. of Delhi
Evaluation of native species of Arbuscular Mycorrhizal Fungi (AMF) for hyper-plant growth promoting strains in the arid and semi-arid regions of India for potential application in restoration measures for degraded ecosystems.	DST
Evaluation of Viscaceae members of Western Ghats region for prospecting of ribosome inactivating proteins.	DBT
Rhizosphere microbial diversity of lithophytic grasses and their potential in ecological restoration of stressed and degraded habitats.	DBT

Programmes taken up involving Inter-institutional collaborations

Collaborative project along with IIT Delhi and Shriram Institute for Industrial Research.

Honours/Distinctions

Prof. Inderjit: Awarded INSA-DFG Exchange Fellowship to visit Germany for a period of three months.

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

Seminar/Conference attended

Prof. Inderjit Singh: Attended Vth World Allelopathy Congress, Saratoga Springs, USA, 21-25 September 2008.

Publications

Singh, I. 2009. *Management of Invasive Weeds.* Springer-Verlag Germany.

Research Articles

Kaur, H., Kaur, R., Kaur, S., Baldwin, I.T. and Singh, I. 2009. 'Taking Ecological Function Seriously: Soil Microbial Communities can Obviate Allelopathic Effects of Released Metabolites'. *PLoS ONE*, 4(3): e4700. doi:10.1371/journal.pone.0004700.

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

Feng, Y.L., Lei, Y., Wang, R., Callaway, R.M., Valiente-Banuet, A., Singh, I. Li. Y..P. and Zheng, Y.L. 2009. 'Evolutionary tradeoffs for nitrogen allocation to photosynthesis versus cell walls in an invasive plant'. *Proceedings National Academy of Sciences U.S.A.*, 106: 1853-56.

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

CENTRE FOR PSYCHOANALYTIC STUDIES

Major Activities

The Centre for Psychoanalytic Studies is an interdisciplinary Centre to promote the engagement of psychoanalysis with other well established academic disciplines in the University system. The psychoanalytic perspective is an unusual one, marked as it is by an innovative method, a rigorous and long-lasting process of work and an abiding thoroughgoing commitment on the part of researchers with their subjects, particularly of irrational processes.

At CPS, the endeavour has been to develop a pilot curriculum and training programme for psychoanalytic psychotherapy as well as clinical research. The curriculum being taught here follows the international system in preserving three main components unique to the psychoanalytic method:

1. Teaching sophisticated clinical concepts through intensive workshop-based methods
2. Mandatory personal therapy undertaken by the candidates with credentialed psychoanalytic therapists
3. Clinical work with patients under supervision of senior clinicians.

In addition, the Indian cultural processes as understood in the works of pioneering Indian psychoanalysts have been included with a view to applying their insights towards developing

both a commensurate research perspective as also to generate a culturally sensitive model of psychotherapy.

A three-year curriculum has been developed and is being taught to two batches since August 2006 and August 2007. A certificate will be awarded to successful candidates on completion of the three years.

With the above targets, the Centre has organized seminars, panel discussions and clinical training workshops with eminent national and international faculty. The regular faculty of the Centre includes, Prof. Ashok Nagpal and Dr. Honey Oberoi of the Department of Psychology, Dr. Vinita Kshetrapal, Reader, Jesus and Mary College, Dr. Mallika Akbar, psychoanalyst, and Dr. Anurag Mishra, Psychiatrist, Max Hospitals. Other notable faculty include Prof. Salman Akhtar, Prof. Sudhir Kakar and Dr. Monisha Nayar. In addition, Prof. Ashis Nandy, Prof. Patricia Uberoi and Prof. Alok Rai have been associated with the activities of the Centre.

Seminar/Conference held

The Centre, in collaboration with ICCR, Delhi, had organised an International Conference on 'Experience of Hate and Cultures of Violence', 11-12 September 2008.

Seminars/Conferences attended

Prof. Ashok Nagpal: 'Glimpses of the New in some Psychoanalytic thinkers, Construction of the New Object in Psychoanalysis', National Conference in Bombay, 15-16 August 2008.

Publications

Book

Vahali, Honey Oberoi, 2009. *Lives in Exile: Exploring the Inner World of Tibetan Refugees.* Delhi: Routledge, Taylor and Francis.

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 sector. Further, students and faculty organized time-to-time Industry-University interaction programmes such as 'Envisage 09'. The faculty actively presented their research work in various platforms like National/International Conferences and Workshops. The placement activity this year, like earlier years, has been actively pursued resulting in 100% placement the first round. Many top-rated IT companies are coming for campus placement. Companies visiting the Institute this year are Aricient, Hughes Systique, Bharti Telesoft, Connexent, Sapient, etc.

Ph.D. Degree Awarded

Ph.D. - 1

Research Scheme

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</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

Prof. S. Ray: Seminar on 'Pattern Recognition', University of Melbourne, Aus., December 2008.

National Open Source Tech-Fest 'Envisage 09', UDSC, New Delhi, 28 February-1 March 2009.

Seminars/Conferences attended

Sanjeev Singh: 'Open Source led ICT Innovation in higher Education', 11th International Conference on Technology Policy and Innovation, New Delhi, 13-15 March 2009.

'Learning Environments for Next Generation: Process Innovation', National Seminar on Innovation in Distance Education and their Applications, IGNOU, 22-23 December 2008.

'ICIC, Daedeok Innopolis', South Korea, to deliver invited talk in ICIC, International Conference on Innovation Cluster, 19-20 May 2008.

'Moodle Moot 08', San Francisco, USA, to deliver a talk at the International Conference on Virtual Learning, 9-11 June 2008.

'Development of Science and Technology Parks', organised by Daedok Innopolis, Daejeon, South Korea, 2-15 November 2008.

Publications

Das, M.K., Narang, P., Mahajan, S. and Yuasa, M. 2008. 'Effect of radiation on the stability of equilibrium points in the binary stellar systems: RW Monocerotis', *Kruger-60, Astrophysics and Space Science*, Vol. 314, 261.

2009. 'Effect of radiation on the stability of a retrograde particle orbit in different stellar system'. *Planetary and Space Science*, Vol. 57, 836.

CENTRE FOR SCIENCE EDUCATION & COMMUNICATION

Major Activities

The Science e-forum Vimarsh, with a membership of over 375, attracted over 3000 posts. Several workshops to train students for good scientific writing were conducted. A package of international science films was screened as part of the festival SCINEMA 2008.

Research Scheme

<i>Title</i>	<i>Sponsoring Organisation</i>
Quality Education Project, 'Translating NCF2005 into enabling Classroom Practices'.	UNICEF

Programmes taken up involving Inter-institutional collaboration

ICSL-2008 was organised jointly with Vidya Bhawan Society, Udaipur.

Work on school science continued with Eklavya, Bhopal, and Disha India, Gurgaon.

Honours/Distinctions

Prof. Amitabha Mukherjee: Member, National Focus Group on the Teaching of Mathematics.

Member, MHRD sub-mission on Teacher Training.

Member, National Resource Group for Sarva Shiksha Abhiyan.

Member, Academic Committee of Commission for Scientific and Technical Terminology, MHRD.

Seminars/Conferences attended

Prof. Amitabha Mukherjee and Dr. Rakesh Mohan Hallen: International Conference on School Libraries and Reading, Udaipur, 3-5 October 2008.

Prof. Amitabha Mukherjee: epiSTEME-3 – International Conference on Science, Technology and Mathematics Education, HBCSE, Mumbai, 5-9 January 2009.

Attended a workshop on the teaching of Computational Physics, TIFR, Mumbai, March 2009.

Publications

Books

Hallen, R.M. 2008. *W5H of Science*. Noida : Vigyan Prasar.

2008. *W5H of Technology*. Noida : Vigyan Prasar.

Communications to International/National Conferences

Hallen, R.M. 'Children, libraries and reading', presented at International Conference on School Libraries and Reading, Udaipur, October 2008.

Mukherjee, A. 'Teaching Computational Physics at the Delhi University', presented at workshop on the Teaching of Computational Physics, Mumbai, March 2009.

CENTRE FOR DETECTOR AND RELATED SOFTWARE TECHNOLOGY

Ph.D. Degree awarded

Ph.D. - 1

Research Schemes

<i>Title</i>	<i>Sponsoring Organization</i>
Fabrication of Pixel Scintillation Counters for DZERO Detector (Phase-II).	DST
Search for New Particles in the Large Hardon Collider, CERN, Geneva.	DST
Grid Computing – Setting up of Computing Centres (Tier 2/3 centres) in the country for CMS and Alice Projects at CERN, Geneva.	DST

New Addition

Dr. Ashok Kumar

Appointment of faculty member to higher Posts/Assignments

Dr. Md. Naimuddin, - Research Associate, Fermilab, USA.

Publications

Books

Khanna, S.L., Shivpuri, R.K. and Rentzel, R. *Physics in Everyday Life*, Vol. 2.

Research Article

Abazov, V.M. and Shivpuri, R.K. et. al. 2009. 'Search for anomalous top quark couplings with the D0 detector'. D0 Collaboration, *Phys.Rev.Lett.*102:092002.

2009. 'Search for admixture of scalar top quarks in the t anti-t lepton+jets final state at $s^{**}(1/2) = 1.96\text{-TeV}$ '. D0 Collaboration, FERMILAB- *Phys.Lett.*B674:4-10.

2009. ‘Search for neutral Higgs bosons at high $\tan(\beta)$ in the $b(h/H/A) \rightarrow b \tau^+ \tau^-$ channel’. D0 Collaboration, *Phys.Rev.Lett.*102:051804.

2009. ‘Evidence for decay $B_0(s) \rightarrow D^{**(*)}(s) D^{**(*)}(s)$ and a measurement of $\Delta\Gamma_{CP}(s)/\Gamma(s)$ ’. D0 Collaboration. *Phys.Rev.Lett.*102:091801.

2009. ‘Measurement of the angular and lifetime parameters of the decays $B_0(d) \rightarrow J/\psi K^0$ and $B_0(s) \rightarrow J/\psi \phi$ ’. D0 Collaboration, *Phys.Rev.Lett.*102:032001.

2009. ‘Evidence of $WW+WZ$ production with lepton + jets final states in p anti- p collisions at $\sqrt{s} = 1.96$ -TeV’. D0 Collaboration, *Phys.Rev.Lett.*102:161801.

2009. ‘Search for Large extra spatial dimensions in the dielectron and diphoton channels in p anti- p collisions at $\sqrt{s} = 1.96$ -TeV’. D0 Collaboration, *Phys.Rev.Lett.*102:051601.

2009. ‘Search for Long-Lived Charged Massive Particles with the D0 Detector’. D0 Collaboration, *Phys.Rev.Lett.*102:161802.

2008. ‘ $ZZ \rightarrow l^+ l^- \nu$ anti- ν production in p anti- p collisions at $\sqrt{s} = 1.96$ -TeV’. D0 Collaboration, *Phys.Rev.D*78:072002.

2008. ‘Search for scalar leptoquarks and T-odd quarks in the acoplanar jet topology using 2.5 fb⁻¹ of p anti- p collision data at $\sqrt{s} = 1.96$ -TeV’. D0 Collaboration, *Phys.Lett.*B668:357-63.

2008. ‘Observation of ZZ production in p anti- p collisions at $\sqrt{s} = 1.96$ -TeV’. D0 Collaboration, *Phys.Rev.Lett.*101:171803.

2008. ‘A Search for the standard model Higgs boson in the missing energy and acoplanar b -jet topology at $\sqrt{s} = 1.96$ -TeV’. D0 Collaboration. *Phys.Rev.Lett.*101:251802.

2008. ‘Measurement of differential $Z / \gamma^* + \text{jet} + X$ cross sections in p anti- p collisions at $\sqrt{s} = 1.96$ -TeV’. D0 Collaboration, *Phys.Lett.* B669:278-286.

2009. ‘Measurement of $\sigma(p$ anti- $p \rightarrow Z + X) \text{Br}(Z \rightarrow \tau^+\tau^-)$ at $\sqrt{s} = 1.96$ -TeV’. D0 Collaboration, *Phys.Lett.* B670:292-9.

2009. ‘A Search for associated W and Higgs Boson production in p anti- p collisions at $\sqrt{s} = 1.96$ -TeV’. D0 Collaboration, *Phys.Rev.Lett.*102:051803.

2009. ‘Search for pair production of second generation scalar leptoquarks’. D0 Collaboration *Phys.Lett.*B671:224-232.

2008. ‘Observation of the doubly strange b baryon $\Omega(b)^-$ ’. D0 Collaboration *Phys.Rev.Lett.*101:232002.

2008. ‘Intercalibration of the barrel electromagnetic calorimeter of the CMS experiment at start-up’. CMS Electromagnetic Calorimeter Group, JINST 3:P10007.

2008. ‘Search for anomalous Wtb couplings in single top quark production’. D0 Collaboration, *Phys.Rev.Lett.*101:221801.

2008. 'Precise measurement of the top quark mass from lepton+jets events at D0'. D0 Collaboration, *Phys.Rev.Lett.*101:182001.
2008. 'Measurement of the electron charge asymmetry in p anti- $p \rightarrow W + X \rightarrow e \nu + X$ events at $s^{**}(1/2) = 1.96\text{-TeV}$ '. D0 Collaboration, *Phys.Rev.Lett.*101:211801.
2009. 'Search for a scalar or vector particle decaying into $Z\gamma$ in p anti- p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ '. D0 Collaboration, *Phys.Lett.*B671:349-355.
2008. 'Search for long-lived particles decaying into electron or photon pairs with the D0 detector'. D0 Collaboration, *Phys.Rev.Lett.*101:111802.
2008. 'Search for third generation scalar leptoquarks decaying into τb '. D0 Collaboration, *Phys.Rev.Lett.*101:241802.
2008. 'Search for Higgs bosons decaying to τ pairs in p anti- p collisions with the D0 detector'. D0 Collaboration, *Phys.Rev.Lett.*101:071804.
2009. 'Measurement of the lifetime of the $B(c)_{+-}$ meson in the semileptonic decay channel'. D0 Collaboration, *Phys.Rev.Lett.*102:092001.
2008. 'Search for neutral Higgs bosons in multi- b -jet events in p anti- p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ '. D0 Collaboration, *Phys.Rev.Lett.*101:221802.
2008. 'Measurement of the differential cross-section for the production of an isolated photon with associated jet in p anti- p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ '. D0 Collaboration, *Phys.Lett.*B666:435-45.
2008. 'Measurement of the polarization of the Upsilon(1S) and Upsilon(2S) states in p anti- p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ '. D0 Collaboration, *Phys.Rev.Lett.*101:182004.
2008. 'Measurement of the forward-backward charge asymmetry and extraction of $\sin^{**2} \Theta(W)(\text{eff})$ in p anti- $p \rightarrow Z/\gamma^* + X \rightarrow e^+ e^- + X$ events produced at $s^{**}(1/2) = 1.96\text{-TeV}$ '. D0 Collaboration, *Phys.Rev.Lett.*101:191801.
2008. 'Search for t anti- t resonances in the lepton plus jets final state in p anti- p collisions at $s^{**}(1/2) = 1.96\text{-TeV}$ '. D0 Collaboration, *Phys.Lett.*B668:98-104.
- Saxena, P., Ranjan, K., Shivpuri, R.K. and Bhattacharya, S. 2009.** 'Simulation Studies for Improving the Breakdown Voltage of Si Sensors for Use in High Energy Physics (HEP) Experiments'. *Philosophic Nature*, Vol. 1, (3), pp. 213-20.

CENTRE FOR INTER-DISCIPLINARY STUDIES OF MOUNTAIN & HILL ENVIRONMENT

Major Activities

Realizing the significant contributions of the Centre in the field of environment impact assessment of power projects and environmental sensitivity studies of river basins, the Ministry of Power, Government of India, recognized it as a Centre of Excellence. The

Government of India established CISMHE as an R&D Centre for conducting studies related to issues of environment and environment management in the power sector. The Centre has conducted a number of studies related to environment impact assessment and biodiversity conservation. The Centre also provides expert advice to various institutions of the Government of India, its PSUs and the private sector in the field of environment and sustainable development. The Centre has also developed state-of-the-art infrastructure and expertise in the area of Remote Sensing and Geographic Information Systems 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>
EIA/EMP Studies of Loktak Downstream H.E. Project in Manipur.	NHPC Ltd.
EIA/EMP Studies of Demwe Lower H.E. Project in Arunachal Pradesh.	Athena Demwe Power Pvt. Ltd.
EIA/EMP Studies of Jelum Malari Jelam Tamak H.E. Projects in Uttarakhand.	THDC Ltd.
EIA/EMP Studies of Pauk, Heo, Tato-I, Hirit H.E. Projects in Arunachal Pradesh.	Velcan Energy Ltd.
Cumulative Impact Assessment analysis of Alaknanda River in Uttarakhand.	Mott MacDonald Ltd./World Bank

Publications

Bhatt, J.P., Bhaskar, A. and Pandit, M.K. 2008. 'Biology, distribution and Ecology of *Didymosphenia germinata* (Lyngbye) Schmidt an abundant diatom from the Indian Himalayan rivers'. *Aquatic Ecology*, 42: 347-53.

Nautiyal, D.C., Sharma, S.K. and Pandit, M.K. 2009. 'Conservation status and notes on the taxonomic history of rare species from Sikkim Himalaya I', *Begonia* Linn. (Begoniaceae) *J.Bomb.Nat.Hist.Soc.*

Nautiyal, D.C., Sharma, S.K. and Pandit, M.K. 2009. 'Rediscovery, Conservation Status & notes on the taxonomic history of endangered species of Sikkim Himalays II: *Ceropegia* Linn. (Asclepiadaceae)'. *J. Bomb. Nat. Hist. Soc.*

Sharma, S.K. and Pandit, M.K. 2009. 'A new species of *Panax* L.(Araliaceae) from Sikkim Himalayas India'. *Systematic Botany*.

Bhatt, J.P., Bhaskar, A. and Pandit, M.K. 2008. 'Biology, distribution and Ecology of *Didymosphenia germinata* (Lyngbye) Schmidt an abundant diatom from the Indian Himalayan rivers'. *Aquatic Ecology*, 42: 347-53.

Nautiyal, D.C., Sharma, S.K. and Pandit, M.K. 2009. 'Conservation status and notes on the taxonomic history of rare species from Sikkim Himalaya I: Begonia Linn. (Begoniaceae)'. *J. Bomb. Nat. Hist. Soc.*

2009. 'Rediscovery, Conservation Status & notes on the taxonomic history of endangered species of Sikkim Himalayas II: Ceropegia Linn. (Asclepiadaceae)'. *J. Bomb. Nat. Hist. Soc.*

CENTRE FOR PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION

Major Activities

The change in the higher education scenario at the national level has given a new vision to this academic staff College of UGC. The focus has now shifted to bringing in modern methods of teaching and learning into undergraduate courses. This has led to equipping teachers with adequate knowledge of technology in order to allow Delhi University to foray into an era of blended learning. The CPDHE has ensured that all courses essentially had one-third IT components so that teachers attain a comfort level with technology-led learning. This would help them embed the benefits of technology into their own teaching, preparing them and their students to compete with the best globally.

Honours/Distinctions

Prof. A.K. Bakhshi, Director, CPDHE Member, Conference/Foreign Travel Grants Committee, CSIR.

Member, Board of Studies & Research Degree Committee, Kumaun University, Nainital.

Member of the World Bank Team from Delhi University to visit Kabul University (2008).

Coordinator for Training Programme for Kabul University Chemistry Teachers during 22 December 2008 to 27 February, 2009.

Member of the Programming Expert Committee for designing the programme structures and course outlines of M.Phil. and Ph.D. Programmes (Chemistry) of IGNOU.

Member of the Distant Education Council (DEC) of India.

Member of the Standing Committee of the National Mission on Education through ICT of the Ministry of Human Resource Development (MHRD) of the Government of India.

Member Expert, Faculty of Science, Jamia Milia Islamia.

Member, Advisory Committee of National Seminar on Polymer Science and Technology-Vision and Scenario, at Jamia Milia Islamia, New Delhi, 3 December 2008 .

Dr. Deepika Yogesh, Member, Committee for first Online paper- Environmental Studies ES 111 of B.Sc. Life Sciences course for facilitation of online examination for 27 colleges.

Convenor, Orientation Course (OR-56), conducted by CPDHE, University of Delhi, for teachers of various Universities as a requirement for their promotion and for their overall development. 6 May-3 June 2008.

Coordinator, Quizzes, Life Sciences, ILLL, B.Sc. Life Sciences course which contains 9 theory papers and one online paper. Coordinating work of 45 teachers and 15 reviewers making self assessment questions and reviewing them before uploading.

Seminars/Conferences attended

Prof. A.K. Bakhshi, Director, CPDHE: Invited Talk on 'Chemistry Education in the 21st Century' at the Seminar on '*Improving Teaching of Science and Mathematics in Schools*' organised by the Council of Boards of School Education in India, Maharashtra State Board of Secondary and Higher Secondary Education, Pune, 8-9 May 2008. Also conducted a panel discussion on the theme of the seminar.

International Seminar on Management of Higher Education Institutions, Galilee College, Israel, 19-30 June 2008.

Invited Talk on 'Science Education in the 21st Century' at the *National Conference on Science and Mathematics Education in Secondary Schools* organised by the SRF Foundation and the Ministry of Human Resource Development, Govt. of India, at India Habitat Centre, New Delhi, 30 June-2 July 2008.

Workshop on Supported Blended Learning, at the Open University, U.K., 9-13 June 2008 under the UKIERI Project.

Invited Talk at e-Asia 2008 Conference in Kuala Lumpur, Malaysia, 11-13 November 2008.

Ideas India 2008 Conference at Taj Palace Hotel, New Delhi, 17-20 December 2008.

Seminar on '*Addressing the Skills Imperative through the UK – India Partnership*' at British Council Division, New Delhi, 27 May 2008.

Dr. Deepika Yogesh, Academic Secretary, CPDHE: Blended Learning Workshop in Milton Keynes, UK, as part of the UKIERI (UK-India Education and Research Initiative) project between The Open University, UK, and University of Delhi, 9-13 June 2008.

Training the Trainers Workshop organised by the UKIERI group under the OU-DU project at the Conference Centre, University of Delhi, conducted by a team from UK, 5 February 2009.

49th Annual Conference of Association of Microbiologists of India, International Symposium on 'Microbial Biotechnology: Diversity, Genomics and Metagenomics', jointly organised by Department of Zoology and Dept. of Microbiology, University of Delhi, 18-20 November 2008.

Paper presentation

The Second World Universities Forum, Mumbai, 16-18 January 2009.

Paper title- 'Supplemental, flexible and collaborative approach to course redesign: Transformative potential of blended e-learning in higher education'.

Paper accepted for presentation

Fifth International Conference on e-Learning for Knowledge-Based Society (e-Learning AP 2008), Assumption University, Bangkok, Thailand, 11-12 December 2008.

College Teaching and Learning Conference, Clute Institute of Academic Research at Hawaii, USA, 5-8 January 2009.

Talks/Lectures

'Learning Management Systems' : A talk presented during the first training workshop for Fellows of Institute of Lifelong Learning, 6 January 2009.

'Online teaching-Competencies and myths', a talk presented during Orientation Course (OR-56) for teachers of Delhi University by Centre for Professional Development in Higher Education in May 2008.

'Stem cells-Science, Politics and ethics', a talk presented during Orientation Course (OR-56) for teachers of Delhi University by Centre for Professional Development in Higher education in May 2008.

Publications

Singh, K., Ohlan, A., Kotnala, R.K., Bakhshi, A.K. and Dhawan, S.K. 'Dielectric and magnetic properties of conducting ferromagnetic composite of polyaniline with α -Fe₂O₃ nanoparticles'.

Singh, P., Premkumar, L., Mehrotra, R., Kandpal, H.C. and Bakhshi, A.K. 2008. 'Evaluation of Stability of Indinvir Sulphate using Diffuse Reflection Infrared Spectroscopy', *Material Chemistry & Physics*, 112, 651-8.

Bakhshi, A.K. 2008. *Fundamentals of Electrically Conducting Polymers Engineering and Specialty Polymers* (e-book), 245 KB.

2008. *Electronic Structure of Polymers Fundamentals of Polymer Science* (e-book), 293 KB.

CENTRE FOR ENTREPRENEURSHIP AND CAREER ORIENTED PROGRAMME

This year a short-term course, 'Lead Auditor course in Food Safety Management System', was organised successfully by the Centre in collaboration with the Quality Council of India.

INTER-DISCIPLINARY CENTRE FOR PLANT GENOMICS

Major Activities

Under the auspices of ICPG, work on genome-wide sequencing of chromosome 5 of tomato is in progress, and nearly 45 BACs assigned to us have been sequenced to various levels of finishing standards. In the past few years, several gene families representing transcription factors and signaling components were analysed from rice for their precise annotation and evolutionary relationship and their expression profiles generated based on genome-wide microarray and real-time PCR analyses. Some of these genes have been functionally validated for their role in reproductive development and abiotic stress tolerance in rice and also *Arabidopsis* (the model plant system). A few of the promoter upstream sequences have also been analysed for their regulated expression, both in rice and *Arabidopsis* transgenics, with the eventual aim to define regulatory elements useful for engineering genes with precision.

Honours/Distinction

Prof. Panchanan Maheshwari Memorial Award, INSA, New Delhi.

Publications

Jain, M. and Khurana, J.P. 2008. 'Small RNA regulation of rice homeobox genes (addendum article)'. *Plant Signalling & Behaviour*, 3: 1024-25.

Jain, M., Khurana, P., Tyagi, A.K. and Khurana, J.P. 2008. 'Genome-wide analysis of intronless genes in rice and *Arabidopsis*'. *Functional & Integrative Genomics*, 8: 69-78.

Jain, M., Tyagi, A.K. and Khurana, J.P. 2008. 'Constitutive expression of a meiotic recombination protein gene homolog, *OsTOP6A1*, from rice confers abiotic stress tolerance in transgenic *Arabidopsis* plants'. *Plant Cell Reports* 27: 767-78.

2008. 'Differential gene expression of rice two-component signaling elements during reproductive development and regulation by abiotic stress'. *Functional & Integrative Genomics* 8: 175-80.

Jain, M., Tyagi, A.K. and Khurana, J.P. 2008. 'Genome-wide identification, classification, evolutionary expansion and expression analyses of homeobox genes in rice'. *FEBS J.* 275: 2845-61.

Kapoor, M., Arora, R., Lama, T., Nijhawan, A., Khurana, J., Tyagi, A.K. and Kapoor, S. 2008. 'Genome-wide identification, organization and phylogenetic analysis of dicer-like, argonaute and RNA-dependent RNA polymerase gene families and their expression analysis during reproductive development and stress in rice'. *BMC Genomics*, 9: 451 (17 pages).

Khurana, P., Vishnudasana, D. and Chhibbar, A.K. 2008. 'Genetic approaches towards overcoming water deficit in plants – special emphasis on LEAs'. *Physiol Mol Biol Plants* 14: 277-98.

- Mir, R.R., Rustgi, S., Sharma, S., Singh, R., Goyal, A., Kumar, J., Gaur, A., Tyagi, A.K., Khan, H., Sinha, M., Balyan, H.S. and Gupta, P.K. 2008.** 'A preliminary genetic analysis of fibre traits and the use of new genomic SSRs for genetic diversity in jute'. *Euphytica* 161: 413-27.
- Nijhawan, A., Jain, M., Tyagi, A.K. and Khurana, J.P. 2008.** 'A genomic survey and gene expression analysis of basic leucine zipper (bZIP) transcription factor family in rice'. *Plant Physiol* 146: 333-50.
- Paul, L.K. and Khurana, J.P.** 'Phytochrome-mediated light signaling in plants: Emerging trends'. *Physiol Mol Biol Plants*, 14: 9-22.
2008. 'Rice Annotation Project. The rice annotation project database (RAP-DB): 2008 update'. *Nucl Acids Res* 36 D1028-D1033.
- Shalini, L. and Khurana, P. 2008.** 'Over-expression of HVA1 gene from barley generates tolerance to salinity and water stress in transgenic mulberry (*Morus indica*)'. *Transgenic Research* 17: 651-63.
- Sharma, M.K., Jani, D., Thungapathra, M., Gautam, J.K., Meena, L.S., Singh, Y., Ghosh, A., Tyagi, A.K. and Sharma, A. 2008.** 'Expression of accessory colonization factor subunit A (ACFA) of *Vibrio cholerae* and ACFA fused to cholera toxin B subunit in transgenic tomato (*Solanum lycopersicum*)'. *J. Biotech.*, 135: 22-7.
- Sharma, M.K., Singh, N.K., Jani, D., Sisodia, R., Thunga pathra, M., Gautam, J.K., Meena, L.S., Singh, Y., Ghosh, A., Tyagi, A.K. and Sharma, A.K. 2008.** 'Expression of toxin co-regulated pilus subunit A (TCPA) of *Vibrio cholerae* and its immunogenic epitopes fused to cholera toxin B subunit in transgenic tomato (*Solanum lycopersicum*)'. *Plant Cell Reports* 27: 307-18.
- Sharma, P., Kumari, H., Kumar, M., Verma, M., Kumari, K., Malhotra, S., Khurana, J. and Lal, R. 2008.** 'From bacterial genomics to metagenomics: Concept, tools and recent advances'. *Indian J. Microbiol* 48: 173-94.
- Singla, B., Khurana, J.P. and Khurana, P. 2008.** 'Characterization of three somatic embryogenesis receptor kinase genes from wheat, *Triticum aestivum*'. *Plant Cell Report* 27: 833-43.
- Vadianathan, R., Khurana, J.P., Tyagi, A.K. and Khurana, P. 2008.** 'An update on chloroplast genomes'. *Plant Systematics and Evolution* 271(2008)101-22.
- Vij, S. and Tyagi, A.K. 2008.** 'A20/AN1 zinc-finger domain-containing proteins in plants and animals represent common elements in stress response'. *Functional & Integrative Genomics*, 8: 301-7.
- Vij, S., Giri, J., Dansana, P., Kapoor, S. and Tyagi, A.K. 2008.** 'The receptor-like cytoplasmic kinase (*OsRLCK*) gene family in rice: organization, phylogenetic relationship and expression during development and stress'. *Molecular Plant* 1: 732-50.

Vyas, S., Gaur, A., Tyagi, A.K. and Purohit, S.D. 2008. 'Assessment of genetic diversity in *Feronia limonia* (L.) Swingle using inter simple sequence repeats'. *International J. Sustainable Forestry* 27: 328-42.

DEVELOPING COUNTRIES RESEARCH CENTRE

Major activities

South Asian workshop on 'Social Protection Policies for the Urban Informal Sector across South Asia' on 30-31 January 2009.

The two-day (30-31 January 2009) project partners' workshops was held at DCRC, University of Delhi. During the workshop, the following papers were presented by the partners :

- Karamat Ali: Social Protection Policies in the Urban Informal Sector of Pakistan: An Overview
- Sri Hettige: Social Protection in the Urban Informal Sector in Sri Lanka
- Govind P Dhakal: Urban Informal Sector in Selected Cities of Asia: A Case of Nepal
- Nazmunisha Mahtab: Social Protection Policies for the Urban Informal Sector: Bangladesh Perspective
- Dr. Sanjay Kumar Agrawal: Social Protection Policies for the Urban Informal Sector: The Indian Perspective (The paper is jointly written by Prof. Neera Chandhoke, Dr. Sanjay Kr. Agrawal and Dr. Anupma)
- Ravi Ranjan: Securing the Insecure: Analysing Social Security System for Street Vendors of Delhi
- Savita Singh: Household and Labouring Women: Domestic Labour in India

In two-day (30-31 January 2009) brainstorming sessions at DCRC, participants and collaborative partners of the project also contributed. The objective of the significantly project, its methodology and future course of action were discussed. At the concluding sessions, the collaborative partners agreed on the following aspects of the research that would contribute in future course of action :

- In consonance with the objectives of the project, the collaborative partners (individual/institution) have to concentrate on documentation on the issue.
- Conceptualisation of the informal sector at the South Asia level in a comparative perspective.
- Nature of informalisation of workers in different countries that include analysis of causal factors.
- Policies regarding the informal sector in different countries, the constitutional and legislatives provisions and court judgements, if any, in this regard.

- Policies at the operational level in comparative perspective (approach, success and failure of the policies and role of agencies responsible for executing the policies).
- Right to association and collective bargaining on the issue of social protection.
- Method of institutionalisation (movements, campaigns and its impact in different countries of South Asia).
- Role of CBOs/NGOs in each country in comparative perspectives.
- Collaborative efforts to impact the future policy framework at the South Asia level (new legislation regarding labour and new international directive like that of ILO).
- Rights based approach towards social security and social protection that includes right of subsistence.
- Issues of unpaid labour force in different countries and its impact on gender and other social relationships.
- Family wage comparison, living wage comparison, extraction of absolute value in terms of domestic labour to understand the role of gender in the informal sector.

Workshop on 'Democracy in the Post-colonial World: a Comparative Study of Indonesia and India' was organised at DCRC on 25 November 2008. Professor Olle Tornquist from the Institute for Statsvitenskap, OsLO, presented his findings of the project on prospects of democracy in Indonesia.

The Developing Countries Research Centre, the Asia-Europe Foundation (ASEF) and Hanns Seidel Foundation Indonesia collaborated to conduct the Asia-Europe 'Democratisation and Justice Series' Workshop on 'Improving the Role of the Police in Asia and Europe' at Delhi University, 3-4 December 2008.

DCRC organized a South Asian workshop on 'Social Protection Policies for the Urban Informal Sector across South Asia' on 30-31 January 2009.

DCRC in collaboration with Department of Sociology, University of Delhi, organised an International conference on 'Dialogue on Citizenship and Civic Education: Pedagogy, Process, Practice' on 11-13 February 2009.

DCRC collaborated with the Council for Social Development and other academic institutions in Delhi and abroad to organise an International conference on '100 Years of Gandhi's Hind Swaraj' on 12-14 February 2009.

DCRC organised the 20th Grassroots Politics Colloquium on 'Grassroots Politics: Reflections on the Past and Vision for the Future' on 28 February 08 and 1 March 2009.

The 8th Oliver Tambo Lecture was delivered by Prof Mark Juergensmeyer, Professor of Sociology at University of Santa Barbara and Director, Orfalea Centre for Global and International studies, on 'Religious Rejection of the Secular State' on 11 February 2009 at DCRC. Prof. T N Madan chaired the lecture.

Prof. Sebastiano Maffettone of LUISS, Rome, presented a paper on 'Global Legitimation', Comparative Theory Seminars, 17 July 2008.

Dr. Subir Sinha, Senior Lecturer, Department of Development Studies, SOAS, University of London, and visiting fellow of DCRC delivered a lecture on 'Subaltern Movements in Contemporary India: Impasses and some steps beyond', 22 July 2008, DCRC.

Dr. Ratna Sudershan, Director, Institute of Social Studies Trust, presented a paper on 'Social Protection, Informality and Globalisation,' 29 July 2008 at the Centre.

Dr. Rashmi Varma, Associate Professor, Department of English and Comparative Literary Studies, University of Warwick, UK, gave a talk on 'Rethinking World Literature', 5 August 2008, DCRC.

Prof. Mohammad Waseem, LUMS University, Lahore, Pakistan, lectured on 'The Black Coat's Rebellion: Lawyer's Movement in Pakistan', 8 August 2008, DCRC.

Dilip Simeon, Aman Trust, New Delhi, delivered a lecture on 'Satyagraha: A Riposte to Nihilism', 21 October 2008.

Prof. Achin Vanaik, DU, Mr. Harish Khare, Mr Tapan Bose, Mr Asad Zaidi and Mr Anwar Jamal discussed the Mumbai terror attack under the discussion theme of 'How to Talk about Mumbai Terror Attack', 17 December 2008.

This international seminar was unique in putting the hundred year-old text of *Hind Swaraj* by M K Gandhi as a foundational text for discussing major issues of our time. The ease with which scholars from Africa, Latin America, Asia and Europe and also from North America and Australia were using the term Swaraj to analyse the challenges confronting the contemporary world was something to remember, 12-14 February 2009.

The 20th Grassroots Politics Colloquium was held on February 28 and 1 March 2009. The issue on which this colloquium centred was 'Grassroots Politics: Reflections on the past and Visions for the Future'.

Research Schemes

UGC Area Studies Programme

Mapping Social Exclusion and Rights of Representation: A Study of Students Union Body in Central Universities of India. (*UGC-Major Research Project*)

The History of Liberal Thought in India (*UGC-Major Research Project*)

Publication

Contemporary India; Economy, Society and Politics', edited by Neera Chandhoke and Praveen Priyadarshi.

DELHI UNIVERSITY COMPUTER CENTRE

Major Activities

DUCC in the past one year has started many new initiatives to enable the University and College community to effectively use IT resources in their work. All the non-professional colleges are now connected to the University-wide network and this enables students and faculty in colleges to access various resources like electronic journals, software etc. In addition, colleges are being provided web space to host their websites on servers. College teachers can use all the facilities of network, including e-mail and personal web space to host their own websites. We have also upgraded core switching infrastructure over the last year and increased our Internet bandwidth. Furthermore, we have installed a new version of anti-virus software to improve the security of the DUCC network.

During this period, DUCC provided training to more than 1000 PG students, faculty and staff member on various IT topics such as SPSS, ASP, Programming in C, MS Access, Basic Computer Operations, etc. Faculty Development Programs on Java and Solaris were conducted by DUCC. Several new software like SPSS and SIGMA Plot have been installed for use by students and faculty in the various departments and colleges. DUCC also helped the Delhi University Library System in the digitization of books and Ph.D./M.Phil. theses.

UNIVERSITY SCIENCE INSTRUMENTATION CENTRE

Major Activities

New additions to the Instrumentation facility

High Resolution Transmission electron microscope from M/s. FEI, Netherlands

TEM sample preparation equipment from M/s. Gatan, USA.

Variable angle and variable wavelength ellipsometer from Sentech, Germany.

High resolution X-ray diffraction from M/s. Brucker, Germany.

Single crystal X-ray diffraction from M/s. Oxford Diffraction, UK.

400 MHz Nuclear Magnetic resonance from M/s Jeol, Japan.

Circular Dichroism spectro-polarimeter from JASCO, Japan.

Differential Scanning Calorimeter from M/s. Waters, USA.

WOMEN'S STUDIES AND DEVELOPMENT CENTRE

Major Activities

WSDC organised an International Seminar on Mainstreaming Women, supported by the Ministry of Women and Child Development, Govt. of India. WSDC is working on the publication of a book based on the papers presented in the Seminar.

Two National Seminars were also organised during this period, one in collaboration with the Centre for Women's Development Studies and the other in collaboration with the Ministry of Panchayati Raj, Govt. of India.

A P.G.-level Certificate Course on Gender was conducted with support from the Delhi Commission for Women.

The Secretariat of the Apex Committee against Sexual Harassment conducted a Workshop for the members of Complaints Committees at various levels. It organised elections for members of the Apex Committee 2009-11 and, through sustained efforts, ensured that most of the Colleges and Faculties constitute their Complaints Committees.

Research Schemes

<i>Title</i>	<i>Sponsoring Organisation</i>
Gender Audit of Delhi University.	WSDC and Delhi University
A Socio-Legal study of domestic violence with special reference to PWDV Act, 2005.	WSDC
NRI Marriages.	WSDC

Programmes taken up involving Inter-institutional Collaboration

National Seminar on Gender and Disability.	Centre for Women's Development Studies, New Delhi
A National Seminar on elected women representatives in Panchayati Raj institutions.	Ministry of Panchayati Raj, GOI
International Seminar on mainstreaming women.	Ministry of Women & Child Development
PG-level Certificate Course.	Delhi Commission for Women
Certificate Course in Women's Studies.	In-collaboration with D.U. Colleges

Seminars/Conferences held

An International Seminar on Mainstreaming Women in Work and Political Processes was organised with financial assistance from the Ministry of Women and Child Development, GOI, 5-7 November 2008.

A National Seminar on Disability and Gender was organised in collaboration with CWDS, Delhi, 21-29 August 2008.

A National Seminar on Elected Women Representatives in Panchayati Raj institutions was the organised in collaboration with the Ministry of Panchayati Raj, GOI, 2-3 March 2009.

Seminars/Conferences attended

Prof. Vibha Chaturvedi: Director, WSDC: Invited speaker at an International Conference organised by IAPH, Seoul, Korea. Presented a paper on 'Women in India: Problems and Prospects', 29-30 July 2008.

Organised and participated in a National Seminar on Disability and Gender in collaboration with WSDC at Delhi University, 21-22 August 2008.

Organised and participated in an International Seminar on Mainstreaming Women in Work and Political Processes at WSDC, Delhi University, 5-7 November 2008.

Organised and participated in an International Seminar on Hind Swaraj, organised by Gandhi Bhawan, Delhi University, 11-13 February 2009.

Collaborated with the Ministry of Panchayati Raj in organizing a National Seminar on Elected Women Representatives in Panchayati Raj Institutions at Delhi, 2-3 March 2009.

Participated in a National Seminar on Prevention of Sexual Harassment organised by the Institute of Public Administration, Bangalore, at Mysore, Karnataka, 30-31 January 2009.

Dr. Manjeet Bhatia: Participated in a National Seminar on Disability and Gender organised by WSDC in collaboration with WSDC, Delhi University, 21-22 August 2008.

Presented a paper on 'A Study of Domestic Violence Based on the New Indian Law', UNESCO's International Conference of Network of Women/Gender Studies Research Scholars, Bangkok, 3-9 February 2009.

Participated in a National Seminar on Prevention of Sexual Harassment at Mysore, organised by the Indian Institute of Public Administration, Bangalore, 30-31 January 2009.

Visited the Indian Institute of Advanced Study as an Associate of the Institute and participated in several Seminars at IAS during her stay in November 2008.

Publications

Bhatia, M. et. al. (eds) 2008. *Gender concerns in South Asia.* Jaipur: Rawat Publishers.

Chaturvedi, V. and Srivastava, N. (eds) *Girl Child: Changing Perceptions.* Under publication by Women's Press.

Research Articles in Books or Scholarly Journals

2008. 'Women and belongingness' based on the film *Khamosh Pani*, in *Psychology Foundation*.

NON-COLLEGIATE WOMAN'S EDUCATION BOARD

The major achievement of this year is to make attendance in the classes mandatory and the Examination for non-collegiate students has been combined with regular students.

The non-collegiate students were also given the opportunity to participate in extra-curricular activities. NSS units have also been started in various Teaching Centres and various awareness programmes like Self-Defence, Career Counselling, Consumer Forums, and Right to Information Act, were held without disturbing the teaching schedules. The non-collegiate students had also taken part in various competitions held at the University with the regular students besides, participating in National NSS Symposium, Inter-College NSS Annual Debate and the Student-Leadership Orientation Programme of the NSS Centre of the University.

During the academic session, Financial Aid of Rs. 1,000.00 and loan of books from the Book Bank were given to 193 non-collegiate students who were deserving and belonged to the under-privileged class.

GANDHI BHAWAN

Major Activities

Gandhi Bhawan initiated a Yoga training programme at various colleges of Delhi University in July 2008.

On 2 October 2008, Gandhi Jayanti was celebrated in which a *sarv-dharm prarthana sabha* was organised. Martyr's Day was observed on 30 January 2009 in which preachers from different religions gave their preachings. Gandhi Bhawan has set-up 41 Gandhi Study Circles in various colleges of Delhi University to apprise the younger generation about Gandhian ideology and actions.

Honours/Distinctions

Prof. Ashum Gupta: Member, Expert Committee for framing Course on Gandhian Studies, at IGNOU, New Delhi, on 23-25 September 2008.

Invited Resource Person by National Gandhi Museum for developing multimedia kit for schoolchildren on Gandhiji. 18 October 2008.

Seminars/Conferences held

International Seminar on 'Hind Swaraj: 100 Years and After' was organised in which eminent personalities from India and abroad participated. The keynote address was delivered by Prof. Anthony J. Parel, Professor Emeritus, University of Calgary, Canada.

DELHI UNIVERSITY SPORTS COUNCIL

Major Activities

The Delhi University Sports Council organised 56 Inter-College tournaments for men and women in different games in the University Campus as well as other colleges.

Coaching Camps were held for 65 Inter-University teams prior to participation in Zonal, Inter Zonal and All India Inter-University Competitions.

The University Teams participated in Inter-Varsity competitions (Zonal-Inter Zonal and All India Level) in 65 events.

DELHI UNIVERSITY WOMEN'S ASSOCIATION

Major Activities

Delhi University Women's Association is a non-profit social organisation engaged in social welfare and cultural progress of women and their children in the University Campus. DUWA runs D D Balwadi and Usha Ganguli Shishu Vihar – two playschools for children and three hostels for women conduct several vocational training courses and has launched Vaatsalya, a Crèche and Day Care Centre.

DUWA received a grant of Rs. 20,50,000 from the University for Vaatsalya, Sahyog and DD Balwadi. DUWA also received a grant of Rs. 42,000 from the Delhi Social Welfare Board.

Activities undertaken during the year

Children's Day was celebrated on 14 November. A Colouring competition was organised for children. Vaatsalya, a Day Care Centre and a Crèche were inaugurated by the Vice Chancellor.

New playground equipment have been installed for children coming to DUWA under various programmes.

The schools organised the Annual Day function on 20 December 2008 and Prof. Leela Om Cheri, Padmashri awardee, was the Chief Guest on this occasion.

Under the SAHYOG programme, 'Tuition and Teaching classes were held for children of Class IV employees of the University.

Women's Day was celebrated on 12 March 2009. Prof. (Mrs.) Leela Om Cheri was felicitated for receiving Padmashri award from the President of India.

Several lectures on cancer awareness, coping with stress and life of children in the beedi rolling industry were organised during the year for the benefit of the members.

UNIVERSITY PRESS

The University Press has taken 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, printing of 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 during the year 2008-09 were 851, valued at Rs. 1,33,40,505 and 851 dockets were opened.

GARDEN COMMITTEE

Major Activities

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

Renovation of big lawn of the University Guest House.

Planting of hedges in Jawahar Rose Vatika/Sir Shankar Lal Hall/Physics/Chemistry Department/Academic Research Centre/Conference Centre.

Renovation of lawns at Proctor's Residence.

The Garden Committee organised a Painting Competition for schoolchildren of different age groups at the lawns of the Faculty of Social Sciences on 20 February 2009, 678 students from various schools in Delhi/New Delhi participated in the Painting Competition. Selected paintings were displayed at the 51st Annual Flower Show on 27 February 2009. These paintings were appreciated by dignitaries and the public.

The 51st Annual Flower Show was organised at the lawns of the Faculty of Social Sciences, The Pro-Vice-Chancellor inaugurated the Show and the Vice-Chancellor was the Chief Guest at the Prize Distribution Function. More than 3000 exhibitors participated in the Show. 63 Running Cups/trophies were awarded and several cash prizes were distributed to the Malis/exhibitors.

A special stall for cut-flowers/vegetables from the Rashtrapati Garden was displayed at the Show which was appreciated by the dignitaries and the public. The Flower Show which was appreciated by the dignitaries and the public. The Flower Show Committee awarded a trophy to the stall from the Rashtrapati Garden as the Best Exhibit Stall.

The following Malis have been awarded a special cash prize of Rs. 2000 each for doing extraordinary work during the year 2008.

Shri Soney Lal	-	Garden Committee, North Campus
Shri Mohan Lal	-	Garden Committee, North Campus
Shri Mehmood	-	Garden Committee, North Campus
Shri Heera Singh	-	Garden Committee, North Campus
Shri Mahadev	-	Garden Committee, South Campus

CULTURE COUNCIL

Major Activities

The Culture Council started its activities with an Inter-College Extempore Debate 'Tantra' on 11 September 2008 at Hindu College Auditorium. The Dean, Students' Welfare, Delhi University, was invited to be the Chief Guest. 'Tantra' has established a name for itself in Inter-College debates.

The Culture Council also organised/sponsored the following programmes:

Annual Cultural programme 'Vande Mataram' on 24 September 2008 at Deen Dayal Upadhyaya College grounds.

Inter-College debate for Indian Association of Parliamentarians on Population and Development on 29 September 2008 in Kamala Nehru College. The topic for the debate was 'This House believes in the one child norm'.

Ist Inter-College Painting Exhibition-cum-Competition – 'Rang Srijan' – on 17 November 2008 at Hindu College.

Inter-College Ghazal Competition to encourage young talent. From time to time, the winners have successfully made their presence felt at various shows including TV reality shows.

The Culture Council has been organising Kavi Sammelans. On 26 November 2008 at Deshbandhu College. Renowned poets such as Dr. Kirti Kale, Sh. Mahender Sharma, Sh. Vinay Kumar Shukl, Sh. Deepak Gupta, Ms. Rama Singh, Sh. Dinesh Raghuvanshi and Ms. Nisha Bhargava enthralled the audience with their fine poetry.

As an innovative measure to give a platform to hosteliars, the Culture Council sponsored Gwyer Hall Annual Function 'Grace 08'.

To encourage theatre activity in the University, the Culture Council facilitated a full-length play 'Fitrati Chor' by Shyama Prasad Mukherji College Dramatic Society 'Navrang', on 22 September 2008 at Shri Ram Centre. The play was based on the stories of Vijaydan Detha and was directed by National School of Drama alumunus Sh. Akhilesh Khanna.

For the past few years, the Culture Council has been promoting Urdu poetry by organising a Mushaira. This year it was held on 5 February 2009 in the Convocation Hall, Faculty of Arts, University of Delhi. Dean, Students' Welfare, University of Delhi, was the Chief Guest of the programme.

To promote creative writing in Hindi, the Culture Council on 25 February 2009 for Hans Raj College.

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

The Culture Council is continuously increasing its collection of books related to art and culture and other relevant areas of interest.

NATIONAL SERVICE SCHEME

Major Activities

The year started with formation of NSS. Units in the Colleges in July and August and the Coordinator NSS addressed the students in many of the inaugural functions of the NSS Units, familiarising them with the aims and objectives of NSS and motivating the students to join hands for the social upliftment of the society.

In each of these programmes, experts and resource persons from various social organisations and NGOs were invited to motivate and expose the students in social service activities in which they can participate.

On behalf of NSS Centre, the Chairman of NSS welcomed the chief guest, the speakers and the moderators. In his welcome speech, he mentioned how the Centre is trying to work with various NGOs involved in innovative interventions in school education, rural development and disaster management and many other social service activities.

The Programme Coordinator of NSS Centre talked about NSS activities at the University and in the NSS. Units of various colleges. She also presented the Summary Report for 2008-09, giving details of the various social projects being conducted by the University NSS. Centre and NSS Units of the colleges.

NSS volunteers of North Campus actively participated in the '24 hour Yamuna River Clean Up Programme' organised by SWECHHA (NGO) in collaboration with NDTV on 7-8 February.

NSS Activities at college level: Most NSS Units of colleges started with opening 'Help Counters' for students coming to the colleges for admission 2008. These counters provided the students all sorts of information for their admission and functioned for about 3-4 weeks. As soon as the admissions were over, the NSS Units started the enrolment drive by organising a one-day programme where the students were informed about the aims and objectives of NSS.

Many colleges took up activities and projects related to the environment like waste management, water conservation and clean drinking water.

Health-related issues like awareness of anaemia, eye testing, etc., were also taken up by some colleges. But the main focus in this area was on HIV/AIDS. A number of teachers' panel discussions were arranged and many NSS volunteers were trained as peer educators for bringing more awareness on this issue in their colleges. Another area where many colleges participated was Disaster Management. NSS volunteers attended workshops for awareness and preparedness for disaster management in collaboration with the Office of the Divisional Commissioner (North).

In many women's colleges, the NSS Units organised a two-week Self Defence Training Programme for NSS volunteers. Some colleges took up projects for building partnership

between senior citizens and colleges. NSS volunteers visited senior citizens regularly and helped in some of their daily routine work and developed emotional relationships with them.

In many colleges, day camps were organised during the autumn vacation to help visually challenged students living in and around their colleges and helped in writing their projects. Other children belonging to the area were also given lessons and were encouraged to participate in social activities arranged by NSS volunteers.

Lastly, the NSS Units of all the Colleges organised NSS Annual Day in their respective colleges to highlight the activities carried out during the year where the most active NSS student volunteers were recognised with prizes and certificates to encourage them.

NATIONAL CADET CROPS

Major Activities

During the year 2008-09, 29,319 Boy Cadets and 9,424 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.

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

Nine Cadets took part in various adventure activities. 4,541 Cadets took part in various camps such as COC, Mountaineering, All India Trek, NICs Para Sailing, Special NIC, Mountain Expedition, Desert Camel Safari, Mavlankar Shooting, PM Rally and TCS Boys/Girls. 49,728 Cadets actively participated in social service activities such as Blood Donation, Tree Plantation, Pulse Polio, British Cemetery, Cheshire Home, NCC Day, World Aids Day, Nehru Hockey Tournament, World Health Day, Save the Girl Child Campaign, Youth Exchange Programme, Subroto Football Cup, Communal Harmony, Remembrance Day, Witness Karan The Warrior of Sun, Walk for Cancer Awareness Week, Bihar Relief Fund and Metro Cities on Women.

FOREIGN STUDENTS' REGISTRY

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

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

DIRECTORATE OF HINDI MEDIUM IMPLEMENTATION

Major Activities

In 2008, a special grant of Rs. 22 lakh from the Centre for Scientific and Technical Terminology, MHRD, was received for publication/revision and translation of standard text books on various discipline in Humanities.

Participated in book fairs at Allahabad, Ranchi, Patna and Lucknow and the World Book Fair in New Delhi. The Directorate also put up stalls at the Indian History Congress organised by the History Department, Music Faculty and Library of Delhi University.

The Directorate also got ISBN numbers for its publications. The Directorate provided colour pictures for its book on Cultural History by Devesh Vijay.

Seminars/Conferences attended

Dr. Asha Gupta, Director and Dr. Sujata Roy, Joint Director: Attended a day long Seminar on Adult Education at India International Centre in November 2008. It was chaired by Professor Namwar Singh.

Dr. Asha Gupta: Presented a paper on 'Globalization and Higher Education: Trends and Anxieties' at CSCS Conference on College Education: Challenges of the Market', The Academia and the Political Society, Bangalore, 20-21 June 2008.

Presented a paper 'Culture of Globalization' or 'Globalization of Culture' at ISA World Convention at Ljubljana in Slovenia, 28 July -1 August 2008.

Publications

Gupta, A. 2008. *Private Higher Education: Global Trends and Indian Perspectives*, Co-edited with Daniel, C. Levy and Powar, K.B. New Delhi: Shipra Publication.

Gupta, A. 2008. 'International Trends and Private Higher Education in India- 2008'. *International Journal of Educational Management*: 22(6): 565-94.

2008. 'Caste, Class, and Quality at the Indian Institute of Technology', *International Higher Education*, 53, Boston, Fall.

2008. 'In Search of New Identity: Universities in the Era of Political and Economic Hegemony', *Journal of Asian Public Policy*, 1(3): 290-301.

2008. 'Judicial Interventions and Private Higher Education in India'. In Gupta, A., Daniel, C. Levy and Powar, K.B. (eds), *Indian and International Initiatives in private Higher Education*, New Delhi: Shipra Publications.

2008. 'Emerging Trends in Private Higher Education in India'. *Frontier of Private Higher Education Research in East Asia*. Research Institute for Independent Higher Education Tokyo, Japan, 2(3): 95-137.

THE DEAN STUDENTS' WELFARE

Major Activities

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

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

Centralised admissions were made by the Office of the Dean Students' Welfare in respect of SC/ST and Physically Challenged candidates for admission to various under-graduate courses of the University.

The Central Placement Cell is a new initiative undertaken by the University of Delhi under the Office of the Dean Students' Welfare. The main endeavour of the CPC is to get students placed in multinational companies, government, sector, NGOs and the private sector. The CPC provides a platform where Companies and organizations get themselves registered along with the students of the University of Delhi. Every year, third year students get themselves registered with CPC through their respective colleges. All the students registered with CPC are entitled to placement assistance and counselling for employment. The CPC assures support to visiting companies at every stage of the placement process by making the University infrastructure available to them. The CPC acts as an interface between industries and the students to select their career options. The CPC also proposes to conduct seminars and workshops to enable students of University to become successful professionals.

W.U.S. HEALTH CENTRE

At present, the services of the W.U.S. Health Centre are spread to cover the entire area of Delhi. Health service facilities are provided to the University community. The total number of patients attended at the OPD in the W.U.S. Health Centre was 1,33,887. It also provides specialist consultancy services for ENT, Dental, Orthopaedic, Cardiology, Gyanaecology, Psychiatry, Skin, Optometry (Eye), and para medical services in Physiotherapy, E.C.G.,

Injection, Dressing, Lab. Test, Microbiology, X-Ray Unit, Malaria Clinic, Night Emergency, Ambulance, Medical Examination/Fitness Certificate, Ayurvedic OPD and Integrative Counselling Test Centre.

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, 3119 students and other job seekers visited the Bureau and received vocational guidance and other information about career options. Now online registration for job seekers is also available.

DELHI UNIVERSITY LIBRARY SYSTEM

Major Activities

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

RESOURCES

Print

The Library System added 30,293 volumes of books/periodicals to its collection and 1453 volumes of Central Science Library, Department of East Asian Studies Library and Department of African Studies Library were written off. The total collection is 14,75,729 volumes. It has 2912 periodicals on its current list of subscriptions.

Electronic

The Library System is providing online access under UGC-Infonet and through its own resources.

DULS continued to subscribe to the following electronic databases: (i) Academic Search Premier; (ii) SocINDEX TM with Full Text; (iii) Business Source Premier; (iv) Humanities International Complete; (v) Credo Reference (formerly Xrefer Plus); (vi) Lexis Nexis; (vii) Science Direct; (viii) Scopus; (ix) ABI Inform Complete; (x) Journals of Nature Publishing Group; (xi) Chicago Manual of Style (Online version); (xii) ACM (Association of Computing Machinery); (xiii) IEL Online (Single User); (xiv) Lecture Notes on Computer Science (LNCS); (xv) Science On-line; (xvi) Geo-Science World; (xvii) Wiley Interscience Online; (xviii)

Sage Online Journals; (xix) Early English Books Online; (xx) Women's History Online; (xxi) Oxford Grove Art Online; (xxii) Oxford Dictionary of National Biography; (xxiii) Emerald Management Extra; (xxiv) Econ Lit; (xxv) Indlaw.com; (xxvi) Manuptra; (xxvii) American Geological Union; (xxviii) American Society for Microbiologists (xxix) Scifinder Scholars.

All these databases have been placed on the campus network except IEL Online, and are made accessible to all those colleges which have access to the campus network.

Audio Book Resources and Braille Library

212 titles are available on 3178 master cassettes. 540 master CDs have been added. This brings the total of master CDs to 612 covering English, Political Science, Sanskrit, Philosophy, Law, Hindi, Education and History courses and NET syllabus/course of Hindi, Sanskrit, History and General Knowledge.

The Library has created Digital Audio Document for 160 books in DAZY form and 60 books were scanned for ex-text production. 371 titles were produced in Braille form using electronic embosser. The Library has also created 444 books in DAIZY form with the funds.

Development of IT Infrastructure for the Physically challenged

The following services are being offered by the DU-NTPC Foundation ICT Training Centre: (i) Computerized Study Centre; (ii) Computer Training; (iii) Sign Language Training; (iv) Communicative English Improvement Training; (v) Certificate course in Disability and Related Issues; (vi) Sensitization workshops for Non-disabled; (vii) Seminars/Workshops/Trainings on Disability Related Issues; (viii) Diasy Talking Book and Braille Books Production Training; (ix) Facilitation of Interaction between PWDs with employers and Job Consultants; (x) Guidance and Career Counselling; (xi) Distribution of Aids, Appliances and Educational materials; (xii) Preparation, Collection and Distribution of E-Books; (xiii) Braille Books Production and Distribution; (xiv) Consultancy on Application and Procurement of Assistive Technology.

The Centre conducted its first interaction of the short-term course during December 08-March 09 wherein 88 students were admitted. In addition, 10 workshops on various topics were also conducted during this period. A Leadership Development Programme for persons with disabilities and employability assessment camp was held for mobility impaired persons.

USER SERVICES

DULS Website

A test version of DULS-Website has been launched which includes the catalogue of selected libraries (OPAC); a provision of e-referencing, access to electronic resources including open access resources and several other user friendly features.

Digital Library

The Department of Information Technology (DIT) has provided funds of Rs. 28.30 lakh to undertake the 2nd phase of digitization of out-of-copyright zone books of DULS in the current year. As on date, the Library has been able to complete 7300 books and has been placed these on the website <http://library.du.ac.in/ocs>. The Library continued to engage professional staff to undertake the worksheet preparation, Metadata editing including document uploading etc.

In addition, it is DULS undertook the task of digitizing the theses collection of the University. In the first phase, completing the project for theses collection which were produced from 1980 to 2002. About 1310 theses have been uploaded on the Web for internal accessibility.

Internet Access Facility

The Library continued to conduct information literacy programme. DULS is regularly conducting the following activities and programmes:

With a view to empowering the students, researchers and faculty members to seek, evaluate, use and create information effectively and efficiently to achieve their educational, social, occupational and personal goals, DULS has initiated and is regularly conducting Information Literacy Programme since 2006. DULS has organised a total of 51 Information Literacy Programmes in various departments and colleges of the University of Delhi, including 39 e-Resource Orientation programmes, 10 Hands-on Training Sessions, 2 One-Day Workshops for research scholars in Social Sciences. A total of 956 P. G. Students, 295 Research Scholars, 857 Faculty members, and 66 library professionals have attended the ILP. To promote Information Literacy, DULS is regularly conducting the following activities and programmes.

- E-Resources Orientation Programmes
- Online Searching Techniques
- Open Access/Public Domain Resources
- Bibliography Citations
- One-day Workshops
- Hands-on Training Programmes
- E-mail Alerts
- DULS Website

The JCCC@UGC Infonet provides article-level access for all the databases subscribed to by the UGC-INFONET Digital Library Consortium, about 5200 Open access electronic journals, and print journals subscribed by 22 university libraries designated as Inter-Library Loan (ILL) Centres of the INFLIBNET Centre. The interface provides hyperlinks to articles that are available electronically and accessible in a given university so that a user can access and download articles. For articles from journals that are not available electronically or are not accessible in a given university, the interface facilitates semi-automatic generation of ILL request directly from user(s) to the INFLIBNET Centre or to one of the ILL Centres, as the case may be.

DULS is one of the 22 designated ILL Centres for the service. We receive the following advantage of JCCC@UGC Infonet :

- Provides single window searching of all the electronic databases available through UGC-Infonet Digital Library Consortium.
- Provides access to about 5200 open access e-journals in full text.
- Article level searching for 472 print journals of DULS.
- Availability of photocopies of print journal articles not available in DULS through document delivery service.

As a designated ILL Centre of JCCC, DULS is also supposed to shoulder many responsibilities. In lieu of electronic databases available through the UGC Infonet Digital Library Consortium worth about Rs. 100,000, DULS shoulders the responsibility of supplying photocopies of the articles requested through JCCC to scholars throughout India. DULS being a large organisation, having a large collection of print and electronic information content mostly serves the information requirements of its users. Hence, there are very few requests for photocopies of articles from DULS users to other universities. However, as a ILL Centre, DULS regularly supplies the photocopies of articles. Compared to only 61 requests from our scholars, we have received 1644 requests from scholars of other institutions.

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

HUMAN RESOURCES

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

Summer Internship

DULS continues to engage students of the Master's Programme in Library & Information Science as summer interns @ Rs. 7500 per month during the period.

In January 2009, DULS engaged 13 students as trainees w.e.f. 1 August 2008 for a period of 6 months.

In the Ratan Tata Library, all the new books purchased are being processed and made available on RTL OPAC. A fortnightly list of current additions to the collection of RTL is

released and posted on the RTL website. A database of periodicals, including current periodicals is being created. Till date about 1.76 lakh bibliographical records of books have been created using the Troodon software and made accessible to users through OPAC.

In the SDC Library, the total number of records currently available in OPAC is 1.10,000. Continuous upgradation of the library website, setting of an e-resources centre, extensive Signage work to increase visibility and accessibility of the collection, bar-coding of books and organising user orientation programmes have been other major activities for the year under review. OPAC facility is available on each floor. In November 2008, an exhibition of books was organised through an integrated library portal wherein 35 suppliers participated. The distinguishing features of the library portal are e-resources facility whereby the user can ask for any information electronically. The library is also providing customised information services under which users can ask for literature in their particular area of interest. A large number of databases can be accessed through the library's portal in the well-equipped e-resource centre. The library also organised several orientation-cum-information literacy programmes for the benefit of the students during the period.

The Central Science Library, the in addition to providing various services also provided bibliographical services to members of the Faculty and Research Scholars selectively on demand both manually and from online journals. The library is taking advantage of e-mail services. The textbook collections have been upgraded. The Internet services have also been upgraded with more 50 terminals. An additional floor with thirty computers have started functioning from the current academic session.

The other libraries of DULS have also activated their services with dynamism.

Seminars/Conferences attended

Sh. R.N. Vashista and Dr. Narender Kumar, Deputy Librarian: Attended the International Conference on 'Knowledge for all: Role of Libraries and Information Centres' of the Indian Library Association at Tata Institute of Social Science, Mumbai, 12-15 November 2008.

Dr. K.K. Taneja, Assistant Librarian: Attended the National Seminar of IASLIC-2008 at Bose Institute, Kolkata, 10-13 December 2008.

Sh. Saleem Anwer, Dr. S.C. Jindal, Sh. R.P. Singh, Sh. Rajesh Singh, Deputy Librarian and Mrs. Krishna Vig, Professional Assistant: Attended the International Conference of Asian Special Libraries (ICOASL 2008) on shaping the future of Special Libraries: Beyond boundaries at New Delhi, 26-28 November 2008.

Convocation Exhibition of Doctoral Research and Faculty Publications was held in the Central Library from 26 Feb to 2 March 2009 on the occasion of the 86th Annual convocation 2009. The Exhibition was inaugurated on 26 February 2009 by Prof. (Ms.) Ajit Iqbal Singh (Retired), Department of Mathematics, who released the publication '*Doctoral Research*', Vol. 10, 2009.

DELHI UNIVERSITY LIBRARY SYSTEM
Statistical Data

S. No.	Unit	Accession	Expenditure		Member-ship	Visitors	Documents		Periodicals	Books written off
			Books (Rs)	Periodicals(Rs)			Circulation	Consultation		
1.	Central Library	11,456	71,00,000	260000	2462	4,80,000	3,13,530	4,12,000	489	---
2.	Arts & Seminar Library		27,00,000	360000						
3.	Ratan Tata Library	1955	4953000	11100000	1242	1,50,000	17706	18642	432	---
4.	Central Science Library	3190	8080394	2,92,80,000	2812	2,10,560	1,55,800	2,49,300	477	73
5.	South Campus Library	3732	5290516	5076013	1336	1,40,580	85900	3,95,670	221	---
6.	Campus Law Library	1711	900000	900000	1373	477000	450000	500000	144	---
7.	Law Centre-I, Library	1766	200000	240000	1700	120000	150000	200000	206	46
8.	Education Library	1443	443289	129902	378	3000	13000	70000	30	---
9.	FMS Library	1088	1700000	1150000	841	30380	37575	5000	50	---
10.	Mathematics Library	02	---	---	640	10,000	15000	45000	23	---
11.	African Studies Library	---	---	---	65	9800	10,250	3600	---	5
12.	Botany Lib.	---	---	---	164	2850	9500	12400	---	---
13.	Music & Fine Arts Library	487	245266		316	20000	10000	12000	6	---
14.	East Asian Studies Library	578	200000	15000	466	50,000	45000	1,20000	30	1329
15.	Germanic & Romance Studies Lib.	1500	450000	---	1472	75,000	112000	22400	---	---
16.	History Library	521	400,000		481	8000	3600	18000	13	---
17.	Library & Information Science Library	250	277000	---	104	21600	21000	36000	---	---
18.	Linguistics Library	20	---	---	05	3750	4150	4500	---	---
19.	Slavonic & Finno-Ugrian Studies Library	146	1,09901		---	4500	6000	6000	7	---
20.	Social Work Library	227	275000	4.9000	150	3.300	76000	300000	52	NIL
21.	Zoology Library	89	278152	---	248	15250	6,750	15600	---	---
22.	Braille Library				125	6000	1000			
23.	Computer Centre Library	8	50000		230	5000	6000	7000	05	---
24.	W S.D.C. Library	115	100000			800	500	10000	7	---
25.	South Zone Library	---	---	---	140	2436	4274	---	---	---
Total		30293	33752518	48559915	16750	1849806	1554535	2463112	2912	1453
No. of Books as on 31.3.2008			=	14,46,889						
No of Books added during the year			=	30293						
No. of Books Written off during 2008-09			=	1453						
Total No. of Books as on 31.03.2009			=	14,75,729						

ARAVALI POST-GRADUATE MEN'S HOSTEL

The Aravali Post Graduate Hostel for men was established in 2005 by the University of Delhi, South Campus, to provide accommodation facilities for research scholars and post graduate students of the University of Delhi, South Campus. The hostel provides accommodation and other facilities for students registered for Ph.D., M.Phil. and post graduate courses at the South Campus.

AMBEDKAR GANGULY STUDENTS' HOUSE FOR WOMEN

Major Activities

The hostel organised special lectures and talks from time to time. The Pro-Vice-Chancellor delivered a lecture on 'Climate Change' on 6 November 2008, and a special talk on 'What is the meaning of life' was delivered by Geshe Dorjee, Visiting Professor, University of Delhi, on 4 March 2009.

During the period under report, various cultural activities were held in the hostel. Festivals like Independence Day, Dusshera, Diwali and Republic Day were celebrated with gaiety and enthusiasm.

The annual function of the hostel was held on 15 February 2009. Dr. Kamla Bhasin, eminent social worker, was the Chief Guest on this occasion. The students performed several musical and cultural activities on the stage which were applauded by the guests.

D.S. KOTHARI HOSTEL

During the period under report, National day and festivals were celebrated to familiarise the residents with the Culture of National and International students.

The annual function 'AAHANG-09' was organised on 27 March 2009 in the hostel premises.

GWYER HALL

Major Activities

Gwyer Hall is the oldest and most prestigious men's post graduate hostel of the University of Delhi. The distinctive feature of this Hall is that it is the only hostel where students and faculty members live together. Over the years, Gwyerians have made their presence felt in all walks of life in India and abroad. After joining the team, steps have been taken to ensure the maintenance of the spirit and rich heritage that have survived over the years of its existence and services. The hostel has been celebrating all important national and cultural festivals with the participation of all residents and functionaries. Inaugural lecture by Hon'ble Vice-Chancellor was organised in the Hall to start the Lecture Series.

GEETANJALI HOSTEL

Painting, Creative Writing, Photography and Sports competitions were held in the hostel and the residents were given prizes during the Annual Day celebrations. The hostel celebrated its Annual Cultural Night on 19 February 2009 and the Director, South Campus, graced the occasion.

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 organised 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.

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. Two panel discussions, 'Quality of Education and Teachers Accountability' and 'Future in Hindi in 21st Century', were held in the hostel. 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.

MANSAROWAR HOSTEL

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

During the period under report, various cultural activities were held in the hostel. Festivals like Independence Day, Dusshera, Diwali and Republic Day were celebrated with gaiety and enthusiasm.

MEGHDOOT HOSTEL

Major Activities

The hostel saw a number of activities and renovations during the year. The hostel has been celebrating all important national and cultural festivals with the participation of all residents and functionaries. The computer room which had been formerly shared with visitors' room, has been shifted to a spacious and specially designed computer room and has been provided

with facilities. The number of Internet connected computers has been increased and the number of free Internet connections in the rooms has also been increased. The mess was also fully renovated.

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% seats are reserved for students from the seven states of the North Eastern Region, and 30% 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.

This year the focus was on the traditional music and dance of the North Eastern States. This included the Raslila from Manipur, a Fashion Show, Bihu dance from Assam and a Naga folk song.

P.G. MEN'S HOSTEL

Major Activities

The hostel has been celebrating all important national and cultural festivals with the participation of all residents and functionaries. A talk was organised in the University Guest House on 'Terrorism: India and Security Laws' by Hon'ble Minister for Science and Technology and Earth Sciences, Govt. of India. The hostel organised Sh. Ajit Singh Memorial Debate, 'Is Economic Meltdown the inherent weakness of Capitalism'.

SARAMATI POST-GRADUATE MEN'S HOSTEL

The Saramati Post Graduate Men's Hostel has been set up by the North East Council, Ministry of Home Affairs, Government of India and the University of Delhi. It provides residential facility to students from the North Eastern parts of the country studying in University of Delhi as well as other students pursuing academic programmes in the South Campus. It has the capacity of accommodating about 130 students.

UNIVERSITY HOSTEL FOR WOMEN

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.

In the year 2008-09, efforts were made to bring about drastic improvements in the living conditions.

V.K.R.V. RAO HOSTEL

Major Activities

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

Two Spic Macay programmes were organised in the Hostel premises during the year.

WUS UNIVERSITY HOSTEL

The WUS University Hostel is the residence for post-doctoral women researchers, teachers of the University and visiting teachers with a capacity of 18. 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.

GUEST HOUSE

Major Activities

During the year 2008-09, 4 double bed room suites have been converted into 8 double bed guest rooms. 2507 guests were provided accommodation and mess facilities.

INTERNATIONAL GUEST HOUSE

Major Activities

The concept of the International Guest House came into existence to meet the requirements of the increasing visits by the international as well as national academic community. 1584 guests stayed at the International Guest House, among whom 688 were foreigner and 896 were Indians. During the same period, 1110 rooms—684 single and 426 double provided excellent service to the visiting guests. Sixty-seven international seminars were held at the International Guest House.

DEPARTMENTS

FACULTY OF ARTS

ARABIC

Major Activities

The department has been successfully organising Nationals seminar every year for the last decade on diverse untouched topics to explore untrodden paths in the realm of literature and criticism.

Ph.D. Degree awarded

Ph.D. - 1

Seminar/Conference held

National Seminar on 'Arabic Lexicography Through the Ages', 16-17 March 2009.

Seminars/Conferences attended

Prof. M.N. Khan: International Seminar on 'Arabian Gulf', EFLU Hyderabad, 20-22 October 2008.

Prof. M.N. Khan and Dr. Wali Akhtar: National Seminar on 'Prof. Abdul Aleem', Department of Urdu, Delhi University, 16-17 December 2008.

Annual Nizam Urdu Lectures on 'Judicial Activism and Indian Democracy', Department of Urdu, Delhi University, 23 March 2009.

Prof. Wali Akhtar: National Seminar, 'Certificate in Arabic Language', IGNOU, New Delhi, 27 March 2009.

National Seminar on 'Translation Techniques Problems and Scope', JMI, New Delhi, 31 March 2009.

Dr. Naimul Hasan: Delivered lecture at Workshop on 'Strengthening Human Values through Education', Hamdard Education Society, Talimabad, Hamdard Nagar, New Delhi, 9-19 April and 8-19 July 2008.

Delivered lecture on 'Importance of Arabic Language and literature', Jamia Islamia Sanabil, New Delhi, 14 February 2009.

Delivered a lecture on 'Teaching of Arabic Language and Literature', Workshop for Madrasa teachers in Delhi, JMI, New Delhi, 24 March 2009.

Presented paper on 'Translation of Arabi-English poems, problems faced by the translators and its solutions', National Seminar on Translation: Problems and Solutions, JMI, New Delhi, 31 March 2009.

BUDDHIST STUDIES

Major Activities

The major thrust areas of the Department are Pāli and Pāli based i.e. Theravāda Buddhism, Mahāyāna Buddhism and Bioethics, along with their history and philosophy. Major research activities conducted by the Department are on the following: History of Buddhism in India and abroad, Pāli-based Buddhism, Buddhist Hybrid Sanskrit Texts, Buddhism based on Prākṛit-based Buddhism, Buddhist Philosophy, Revival of Buddhism in India and abroad, Buddhist Art and Architecture, Buddhist Philosophy of Language and Dialectics, Socially Engaged Buddhism, Sri Lankan Buddhism, Tibetan Buddhism, Chinese Buddhism, Korean Buddhism, Vietnamese Buddhism, Thai Buddhism, and Buddhism in different parts of South East Asia. The Department has introduced History of Buddhism in Indonesia, Malaysia, Singapore, Australia, New Zealand and Western countries. The Department has successfully completed the DSA programme of UGC.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	18
M.Phil.	-	19

Programmes Taken up Involving Inter-institutional Collaboration

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
UGC Assistance for improvement of infrastructure for Humanities and Social Sciences.	Prof. Bhikshu Satyapala	UGC
Department under Special Assistance Programme (SAP III).	Prof. Bhikshu Satyapala	UGC
Major Research Project	Prof. K.T.S. Sarao	UGC

Honours/Distinctions

Prof. Bhikshu Satyapala: Conferred with the title of Aggamahapandita by the Government of Myanmar for his academic and religious service.

Seminars/Conferences held

National Seminar on *Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives*, Old Convocation Hall, Delhi University, 6-7 February 2009.

Seminar to facilitate Prof. B. Satyapala for getting the title of Aggamaha pandita conferred by the Government of Myanmar.

Jointly participated in SAARC International Conference, IIC New Delhi, 4-5 March 2009.

Seminars/Conferences attended

Prof. K.T.S. Sarao: Presented a paper and chaired the plenary session at the International Conference on the Study of the Sino-Indian Cultural Exchange via the Silk Road, organised by Tarim University, Alar, Xinjiang, China, 1-3 September 2008.

Presented a paper and chaired a session at the International Conference on Buddhism as Peace-Maker in the Post-Modern SAARC, organised by Foundation of SAARC Writers and Literature, Indian International Centre, New Delhi, 4-5 March 2009.

Deliver three thematic lectures on 'History of Indian Buddhism', 'Spread of Buddhism in India', and 'Pilgrimage in Tibet: A Case Study', at the Training Workshop for Practising Guides on Buddhism: Indian Cultural Heritage Specialist Guide Programme, organised jointly by UNESCO and INTACH at Leh, Ladakh, 14-19 March 2009.

Presented a paper and chaired a session at the National Seminar on the Origin and Development of Buddhist Sects, Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Prof. K.T.S. Sarao, Prof. B. Satyapala, Dr. S.M. Haldhar, Dr. L.K. Jha, Dr. Rana P.K. Singh, Dr. Arvind Kumar Singh and Dr. Sanjaya Kumar Singh: The Fifth United Nations Day of Vesak 2008, Hanoi, Vietnam, 15-18 May 2008.

Dr. H.P. Gangnegi: Attended International Seminar on Hind Swaraj: 100 Years and after organised by Gandhi Ashram, Delhi University, 11-13 February 2009.

Attended International Conference on Tuan Huang Project and presented paper entitled 'Kharkhoto' at St. Petersburg, Russia.

Attended and presented a paper title 'Buddhist Perspective of Human Understanding', International Conference on Towards Human Understanding through Dialogue organised by Institute of Objective Studies, New Delhi, 24 October 2008.

Presented a paper entitled 'Life and Work of Nagarjuna on the basis of Tibetan Sources', International Conference organised by Buddhist Heritage, Osmania University in Hyderabad.

Participated the National Conference on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives and presented a paper entitled 'The Graded Path (Lamarim) and Emergence of Buddhist Religious traditions in Tibet' Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Participated in a National Seminar on the theme 21st Century India and Challenges of Terrorism organised by Respect India, Delhi, at the Conference Centre, North Campus, Delhi University, 7 March 2009.

Dr. Subhra Barua Pavagadhi: Attended an International Conference on Buddhism as Peace-Maker in Post Modern SAARC' held at India International Centre, Main Auditorium, Max Muller Marg, New Delhi, 4-5 March 2009.

Dr. Subhra Barua Pavagadhi, Dr. H.P. Gangnegi Dr. Veena Gaur, Dr. Arvind Kumar Singh and Dr. Kalsang Wangmo: Attended the International panel discussion on '*What the Panditas and Yogis Brought to Tibet*' comprised of renowned scholars, Gene E. Smith, Former Director of American Library of Congress, Stephen Goodman of CIIS, John Dunne of Emory University and Jake Dalton of University of Carlifornia, Berkeley, hosted by The Khyentse Foundation and Siddhartha's Intent India at IIC Annexe, New Delhi, 13 March 2009.

Dr. S.M. Haldhar: Presented a paper in an International Conference at Banaras Hindu University, Varanasi.

Dr. S.M. Haldhar, Dr. Rana P.K. Singh, Dr. Kalsang Wangmo, Dr. Sanjaya Kumar Singh, Dr. Chandrashekhar Paswan and Dr. Veena Gaur: Attended an International Conference on Buddhism as Peace-Maker in Post Modern SAARC' at India International Centre, Main Auditorium, Max Muller Marg, New Delhi, 4-5 March 2009.

Dr. Rana P.K. Singh: Attended Workshop organised by Royal Thai Embassy and ICSSR, New Delhi at AN Sinha Institute, Patna (Bihar) on 'Indo-Thai Cultural Linkages', 28 December 2008.

Dr. Arvind Kumar Singh: Presented a paper titled 'Concept of Peace in Buddhism: In present World Scenario', International Conference on 'Buddhism as Peace-Maker in Post Modern SAARC', India International Centre, Main Auditorium, Max Muller Marg, New Delhi, 4-5 March 2009.

Dr. Krishna Murari: Presented a paper titled 'Buddhist Attitude towards Abortion' in an International Conference on Buddhism as Peace-Maker in Post Modern SAARC, India International Centre, Main Auditorium, Max Muller Marg, New Delhi, 4-5 March 2009.

Prof. Bhikshu Satyapala: Inaugurated and chaired the inaugural session of the Seminar organised by Government of Orissa, on the theme 'Opportunities and Potentialities in Tourism with special reference to Buddhist Heritage in Orissa', IITF, Pragati Maidan, New Delhi, 28 November 2008.

Delivered a profound lecture with an illustration on the topic 'Janam Kyon aur Mrityu Kyon' at a Seminar organised by Mr. Dharampal Singh, Organiser of Anubhuti in Bulandsahar (U.P.), 5 April 2009.

Delivered a lecture on the topic 'The Relevance of Buddhist Studies in the Modern Time' at an inaugural session which was also Chaired by Dr. N.K. Jain, Vice Chancellor, University of Rajasthan, at Department of History and Indian Culture, University of Rajasthan, Jaipur, 28 March 2009.

On 22 February 2009 on the occasion of a felicitation ceremony organised by students of the Department of Buddhist Studies and various Buddhist organisations of Delhi and neighbouring (NCR) states to felicitate Aggamahapandita Prof. Bhikshu Satyapala Mahathera. The session was chaired by Dr. D. Rewata Mahathera, Gen. Secretary of Mahabodhi Society

of India, at Old Convocation Hall, Arts Faculty, and on the same occasion Aggamahapandita Prof. Bhikshu Satyapala Mahathera chaired the academic session on the theme Human Rights and Buddhism.

Prof. Bhikshu Satyapala, Dr. H.P. Gangnegi, Dr. R.K. Rana, Dr. Subhra Barua Pavagadhi, Dr. Veena Gaur, Dr. Arvind Kumar Singh and Dr. Kalsang Wangmo: Attended a special lecture by Geshe Dorji Damdul, religious translator of His Holiness the Dalai Lama, on the topic 'Introduction to the four classification of Tantra in Tibetan Buddhism', conducted by the Department of Buddhist Studies, Delhi University, 3 March 2009.

Attended a special lecture by Geshe Dorji Damdul, religious translator of His Holiness the Dalai Lama, on the topic 'Ontological nature of the reality and its relevance to the Buddha Nature' conducted by the Department of Buddhist Studies, Delhi University, 5 March 2009.

Dr. R.K. Rana: Attended a National Conference on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives and presented paper entitled 'Origin and Development of Buddhist Sects in China', and convened one session, Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Dr. Subhra Barua Pavagadhi: Attended a National Conference on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives and presented paper entitled 'Vinaya of the Theravada and Dharmaguptaka school: An Introduction and convened one session, Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Dr. Subhra Barua Pavagadhi, Dr. Veena Gaur, Dr. Rana, P.K. Singh and Dr. Arvind Kumar Singh: Participated in a National Seminar on the theme 21st Century India and Challenges of Terrorism organised by Respect India, Delhi, at Conference Centre, Delhi University, 7 March 2009.

Dr. Veena Gaur: Participated in a Seminar organised to celebrate World Women's Day on the theme 'Women as the First Teacher' organised by URI, North India Zone, at Harijan Sevak Sangh, 8 March 2009.

Presented a paper titled 'Bahusrutiya Buddhist Tradition and Evolution of Mahayana Buddhism' at the National Seminar on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives, organised by the Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Dr. S.M. Haldhar: Participated in National Conference on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives, and made a power point presentation on 'A Study of the Growth of the Dissident Schools in Ancient Sri Lanka', Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Dr. L.K. Jha: Participated in National Conference on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives and presented a paper entitled

'Divisions of Buddhism is Certainly one cause of its Decline: But when division is corrected or rectified it also acts as factor of Unification', and convened one session at the Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Dr. Rana P.K. Singh: Participated in National Conference on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives and presented a paper entitled 'The Concept of Identity and sammitiya Sect' and convened one session, Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Participated in a Seminar organised by National Manuscript Mission, IGNC, New Delhi on Vedic Literature: Its importance and preservation of Manuscripts, 4 March 2009.

Dr. Arvind Kumar Singh: Participated in a Seminar organised to celebrate World Women's Day on the theme Women as the First Teacher, organised by URI, North India Zone, at Harijan Sevak Sangh, 8 March 2009.

Presented a paper titled 'Concept of Peace in Buddhism In present World Scenario', International Conference on Buddhism as Peace-Maker in Post Modern SAARC, at India International Centre, Main Auditorium, Max Muller Marg, New Delhi, 4-5 March 2009.

A presented titled 'Background to the Origin of Early Buddhist Sects' at National Seminar on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives, organised by the Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Presented a paper titled 'Relevance of Buddhism in Attaining World Peace' at International Seminar's Workshop 1 theme War Conflict and Healings: A Buddhist Perspectives, United Nation Vesak Day Celebration 2008, Hanoi, Vietnam, 13-17 May 2008.

Participated a Seminar on the theme The Wisdom of Lotus Sutra: A Teaching for All Ages and exhibition on The Lotus Sutra: A Message of Peace and Harmonious Co-existence, at Lecture Hall, IGNC, New Delhi, sponsored by Indira Gandhi National Centre for the Arts (IGNC), New Delhi, St. Petersburg Branch of the Institute of Oriental Studies of the Russian Academy of Sciences and Bharat Soka Gokkai, New Delhi, 17-23 April 2008.

Dr. Kalsang Wangmo: Attended the International panel discussion on 'What the Panditas and Yogis Brought to Tibet' comprised of renowned scholars, Gene E. Smith, Former Director of American Library of Congress, Stephen Goodman of CIIS, John Dunne of Emory University and Jake Dalton of University of California, Berkeley, hosted by The Khyentse Foundation and Siddhartha's Intent India at IIC Annexe, New Delhi, 13 March 2009.

Presented a paper titled 'Significance of Lamrim in 14th century monastic reforms and emergence of Gelug Tradition' at the National Seminar on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives, organised by Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Participated a Seminar on the theme The Wisdom of Lotus Sutra: A Teaching for All Ages and exhibition on 'The Lotus Sutra: A Message of Peace and Harmonious Co-existence' at Lecture Hall, IGNCA, New Delhi sponsored by Indira Gandhi National Centre for the Arts (IGNCA), New Delhi, St. Petersburg Branch of the Institute of Oriental Studies of the Russian Academy of Sciences and Bharat Soka Gokkai, New Delhi, 17-23 April 2008.

Dr. Krishna Murari: Presented a paper titled 'Schism in Early Buddhism and the state during the reign of Asoka the great' at the National Seminar on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives, organised by the Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Presented a paper titled 'Nicakulas People in Buddhism as Reflected in the Pali Literature' at 19th session of UP History Congress, University of Allahabad, Allahabad, UP, 17-18 October 2008.

Dr. Mukesh Kumar Verma: Presented a paper titled 'Sautrantikon Ka Vajñānavādiyon Par Prabhav' at the National Seminar on Origin and Development of Buddhist Sects: Their Cultural Identity and Cross Cultural Perspectives, organised by Department of Buddhist Studies, Delhi University, 6-7 February 2009.

Publications

Books

Sarao, K.T.S. (ed.) 2009 आधुनिक चीन का इतिहास (*Ādunika China kā Itihāsa* in Hindi), 3rd edition, Delhi University: Directorate of Hindi Medium Implementation.

2009. *Pilgrimage to Kailash: The Indian Route*, Delhi: Aryan Books International, ISBN: 978-81-7305-368-9.

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

Satyapala, B: *Language of Buddha*

Jai Mangala Atthagatha (Bengali)

Sarana Grahanera Prampara (Bengali)

Buddher Bhasa (Bengali)

Buddher Divyadrishhti O Ajivaka Upaka (Bengali)

Research Articles

Satyapala, B. 2008. A paper titled 'Engaged Buddhism: Re-interpretation of Early Buddhism' published in the proceedings of the Workshop on Engaged Buddhism and Development of United Nation Vesak Day Celebration, International Seminar held at Hanoi, Vietnam, pp. 23-6.

2008. A paper titled 'An illustration of the life of thera Mahākaccāyana' published in the Journal of Department of Buddhist Studies, *Buddhist Studies*, Vol. 34: pp. 9-18.
2008. 'Engaged Buddhism: Re-interpretation of Early Buddhism' *Budhist Studies Journal*, the Department of Buddhist Studies, Vol. 35: pp. 41-6.
2009. A paper titled 'Kala aur Kamma in Theravada Buddhism' published in the Department of Buddhist Studies, Journal, '*Buddhist Studies*', Vol. 36: 9-13.
2009. A review of the book *Applied Buddhism Studies in the Gospel of Buddha from Modern Perspectives*, published in the Department of Buddhist Studies journal, '*Buddhist Studies*', Vol. 36: pp. 222-33.
- Sarao, K.T.S. 2008.** 'Charity in Buddhism' in *Encyclopedia of Love in World Religions* (ed. Yudit K. Greenberg), Vol. I, Santa Barbara, CA: ABC-CLIO, 108-9.
2008. 'Soul' in *Encyclopedia of Love in World Religions* (ed. Yudit K. Greenberg), Vol. I, Santa Barbara, CA: ABC-CLIO, 587-8.
2008. 'Did Pusyamitraunga Persecute the Buddhists?', *Buddhist Studies*, Journal of the Department of Buddhist Studies, Delhi University, Vol. 32, March 2007: 31-45. Its revised version was published as 'Pusyamitraunga: Was He a Persecutor of the Buddhists?', in *Gyānāyanā*, Vol. 4: 256-72.
2008. 'Buddhist Perspective on Gender Bias', in Le Manh That and Thich Nhat Tu (eds), *Buddhist Contribution to Social Justice*, The United Nations Day of Vesak 2008 in Vietnam, Workshop 2, Hanoi: Culture and Information Press, 21-32.
2008. 'Role of Buddhist Economics in Building a Just Society', in Le Manh That and Thich Nhat Tu (eds), *Engaged Buddhism and Development*, The United Nations Day of Vesak 2008 in Vietnam, Workshop 3, Hanoi: Culture and Information Press, 145-54.
2008. Book review of *Greater Magadha: Studies in the Culture of Early India* by Johannes Bronkhorst, Leiden, Boston: E.J. Brill, 2007 in *Orientalistische Literaturzeitung*, (103), Vol. II: 250-4.
2009. 'Pusyamitraunga did not persecute the Buddhists', in Geoff Golson and Steven L. Danver (eds), *Encyclopaedia of Popular Controversies in World History*, Santa Barbara, CA: ABC-CLIO, ISBN: 1-59884-079-7.
2009. 'The Buddha lived other dates', in Geoff Golson and Steven L. Danver (eds), *Encyclopaedia of Popular Controversies in World History*, Santa Barbara, CA: ABC-CLIO, ISBN: 1-59884-079-7.
- Gangnegi, H.P. 2008.** 'Choma Kharoshi: Kinnaron Ke Desh Mein' journal of Department of Buddhist Studies named *Buddhist Studies*, Vol. 34: pp. 105-14.
- Rana, R.K. 2009.** A paper titled 'Fazang and the Round Teaching of Huayan Buddhism', *Budhist Studies*, Department of Buddhist Studies, Vol. 36: pp. 116-25.

- Haldhar, S.M. 2008.** A paper titled 'An illustration of the life of thera Mahākaccāyana' the journal '*Buddhist Studies*', Department of Buddhist Studies, Vol. 34: 9-18.
2008. A paper titled 'King Aniruddha: A Pioneer King of Theravada state of Myanmar (Burma)' *Buddhist Studies journal* of Department of the Buddhist Studies, Vol. 35: 61-4.
2009. A paper titled 'Savatthi: A Textual and Archaeological Study' '*Buddhist Studies*', the Department of Buddhist, Vol. 36:159-62.
2009. A paper titled 'A Fresh Outlook at Ashoka's Epigraphical Monuments' in (eds), Ashthana, P. and Zafari, S.Z.H. *Transformations in Indian History*, New Delhi, pp. 153-67.
- Jha, L.K. 2009.** A paper titled 'Buddhism and Jainism: A General View' journal of the Department of Buddhist Studies '*Buddhist Studies*', Vol. 36: 216-21.
2008. A paper titled 'Present Pali Version of the Vimuttimaggā: Is it Original?' in '*Dhammadesana: A Buddhist Perspective (Prof. Mahesh Tiwary Commemoration Volume)*', (eds) Shukla, H.S. and Kumar, B., (1st edition), pp. 297-304, BHU, Varanasi.
- Singh, A.K. 2008.** A paper titled 'Samghabheda at the time of the Buddha' journal of *Buddhist Studies*, Vol. 35: 78-91, the Department of Buddhist Studies.
2008. A paper titled 'Relevance of Buddhism in Attaining World Peace', published in the proceedings Workshop 'War Conflict and Healings: A Buddhist Perspectives' of United Nation Vesak Day Celebration 2008, International Seminar held at Hanoi, Vietnam, pp. 53-62.
2008. A paper titled 'Guru Padmasambhava and his contribution in development and spread of Buddhism in Sikkim', '*Buddhist Studies*' Vol. 34: pp. 55-69, journal of the Department of the Buddhist Studies.
2008. A paper titled 'Schism in Samgha during the time of the Buddha', in '*Gyānāyanā*', Vol. 4 (4): 359-74.
2009. A paper titled 'Buddhist Ethics: An Overview' '*Buddhist Studies*', Vol. 36: 163-78, journal of the Department of Buddhist Studies .
- Singh, R.P.K. 2008.** A paper titled 'Guru David Hume and Buddhism', '*Buddhist Studies*' Vol. 34: pp. 40-54. journal of the Department of Buddhist Studies.
- Singh, M. 2008.** A paper titled 'Dhammapada Mein Naitikta'. '*Buddhist Studies*' Vol. 34: pp. 138-42, journal of the Department of Buddhist Studies.
- Singh, S.K. 2008.** A paper titled 'Hinayāna Mein Yoga Ka Vikasa' journal of named '*Buddhist Studies*' Vol. 34: pp. 145-59, the Department of Buddhist Studies.
- Murari, K. 2008.** A paper titled '*Harssvardhana: The Last Known Royal Patron of Buddhism*' published in named '*Buddhist Studies*', Vol. 34: pp. 94-80, the journal of Department of Buddhist Studies.

2008. A paper titled 'Srilankai Sroton Mein Samrat Ashoka Ka Varnan: Ek Samiksha' published in the journal of Department of Buddhist Studies named 'Buddhist Studies' Vol. 35: pp. 130-7.

2009. A paper titled 'Kautilya's Arthashastra and Warfare Strategy' published in the journal of Department of Buddhist Studies named 'Buddhist Studies' Vol. 36: pp. 206-15.

2009. 'Dimensions of Untouchability in the Jatakas' published in Asthana, P. and Zafari, S.Z.H. edited *Transformations in Indian History*, Delhi, pp. 134-42.

Paswan, C. 2008. A paper titled 'Baudhakalina Samajika Vyavastha Evam Adhunika Bharat Mein Dalit Chetna: Ek Sankshipta Avalokana' published in the journal of Department of Buddhist Studies named 'Buddhist Studies' Vol. 34: pp. 167-78.

2008. A paper titled 'Mithila Ke Lokasiddhacharyon ka Prabhava' published in the journal of Department of Buddhist Studies named 'Buddhist Studies' Vol. 35: pp. 196-204.

Tiwary, S.K. 2008. A paper titled 'Mrityu Ki Avadharna Vaidika Sahitya aur Pali Abhidhamma Ke Sandarbha Mein' published in the journal of Department of Buddhist Studies named 'Buddhist Studies', Vol. 35: pp. 187-95.

ENGLISH

Major Activities

Curriculum Development

The M.A., M.Phil. and Ph.D. programmes have been restructured. The modified M.A. programme aims to foster interdisciplinary work by enabling students to opt for two courses in another discipline and involves examinations each semester. The new M. Phil structure has strengthened the research component of the programme and allows students to apply for a transfer to Ph.D. at the end of the third semester. The revised Ph.D. regulations include a new structure for the Departmental Research Committee and the setting up of an advisory committee for each candidate.

Visiting Fellows, Conferences and Refresher Courses: Under the DSA and ASIHSS programmes, seven eminent scholars visited the Department as visiting fellows. A three-day International Conference on 'Non-metropolitan Modernisms' was held. A one-day Workshop on 'Research in Literary Studies: New Directions' was organised, primarily for prospective doctoral students. A refresher course on 'Language, Linguistics and Communication' was organised.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	3
M.Phil.	-	25

Research seminars and other projects:

Fourteen research Seminars were organised under the vibrant Departmental Seminar series.

Dr. Gautam Chakravarty has been Project director, Delhi University, RandD Grant (2008-09) for collecting, cataloguing, transcribing and translating folklore from two Naga tribes and Boro.

Dr. Rimli Bhattacharya has been Project Advisor to a 2-year research project (with Hemjyoti Medhi) entitled 'Memory, Movement and the Mahila Samiti in Assam': Grant from Sephis, Amsterdam. She has also supervised the following independent research projects in 2009.

- (i) 'Sur Pippa: Songs in Many Tongues: Lullabies and Playsongs in Asamiya, Mizo and Kumaoni' with translations into English' (publication forthcoming). Introduction by Rimli Bhattacharya. Project members: Prachee Dewri, Kristina Zama, Padmakshi Patowary and Aditi Chand.
- (ii) A study of 'Subject English' in NCERT textbooks (Classes 3-5), including classroom observation and alternative pedagogies (publication forthcoming). Introduction by Rimli Bhattacharya. Nivedita Basu, Anuja Madan, Sreyoshi Sarkar.

Both projects have a team of 3-4 researchers, most of whom are former M.Phil. students. The projects have been supported by Eklavya and the Ratan Tata Trust.

Projects taken up involving Inter-institutional Collaboration

Prof. Harish Trivedi has been the Co-ordinator (and contributor) for South and South-East Asia, in the project to write A History of World Literature, sponsored by The Stockholm Collegium of World Literary History, Stockholm University, 2004-2012.

Dr. Rimli Bhattacharya has been involved in a project on 'The construction of the subject English in secondary schools in London, Johannesburg and Delhi'. This is a joint project with scholars from Britain and South Africa, funded by The British Academy Association of Commonwealth Universities.

Prof. Malashri Lal has been a member of the Leverhulme Network on Postcolonial translation, which involves collaboration with faculty members from Newcastle University, School of Oriental and African Studies, Jawaharlal Nehru University and Delhi University.

Appointments of faculty members to higher Posts/Assignments

Prof. Shormishtha Panja: Visiting Faculty, Gannon Center, Loyola University, Chicago, November 2008.

Visiting Faculty, University of the Fraser Valley, Canada, November 2008.

Prof. Sumanyu Satpathy: Deputed to negotiate MOU with Hokkaido University, Sapporo, Japan, March 2009.

Prof. Udaya Kumar: Leverhulme Visiting Professor School of English Literature, Language and Linguistics, Newcastle University, Newcastle upon Tyne, United Kingdom. February – August 2009.

Member, Editorial Board, *Studies in Humanities and Social Sciences*, Indian Institute of Advanced Study, Shimla.

Dr. Christel Devadawson: ASIHSS Visiting Fellowship, Jadavpur University, March-April 2008.

Dr. Hany Babu: External faculty at the Centre for English Studies, English and Foreign Languages University, Hyderabad.

Guest faculty at the Centre for Linguistics, Jawaharlal Nehru University.

Honours/Distinctions

Shormishtha Panja: President, Shakespeare Society of India.

Prof. Sambudha Sen: Renominated to the Advisory Board of Victorian Studies.

Dr. Rimli Bhattacharya: Deputation as ICCR Visiting Chair to the Department of South Asian Studies (SAS), University of Pennsylvania, USA, Spring Semester 2008, January – May 2008.

Seminars/Conferences held

Non-metropolitan Modernisms:

An International Conference on ‘Non-metropolitan Modernisms’ was organised by the Department at the Conference Centre, Delhi University, 25-27 March 2009 and S.P. Jain Auditorium, Delhi University South Campus. Plenary speakers included Prof. Isabel Hoffmyer (University of Witwatersrand, South Africa), Prof. Vijay Mishra (Murdoch University, Australia) and Prof. Prabodh Parekh (Mumbai). In addition, seven academic sessions with eighteen papers and two panel discussion sessions explored a wide range of aspects of modernism from non-metropolitan locations, including vernacular modernisms, shifting peoples and territories, non-metropolitan political imaginings and modernism from below.

Research in Literary Studies: New Directions

A one-day Workshop on ‘Research in Literary Studies: New Directions’, primarily aimed at prospective doctoral students, was organised by the Department at the Academic Resource Centre, Delhi University, 20 February 2009. Over three sessions, resource persons from literary studies and other disciplines discussed New Areas of Research on English Literature, Emergent Fields of Research (such as translation, visuality, performance, oral and written linguistic cultures and Indian literature), and the opportunities and challenges involved in Interdisciplinary Research (with special focus on film studies, history, sociology and linguistics). The concluding session addressed the practice of doctoral research, including issues of location and the life of a Ph.D. thesis.

Collaborative seminars:

The Department, in collaboration with the English Departments in Colleges, organised the following conferences.

Hindu College, Delhi University: 'The City and its Cultures', December 2008.

Janki Devi College, Delhi University: 'Literature and Revolution', January 2009.

Shyam Lal College, Delhi University: 'Text, Pedagogy, Discourse', February 2009.

Seminars/Conferences attended

Prof. Malashri Lal: 'Beyond Binaries and Borders: Intercultural Interdisciplinarity'. College for Interdisciplinary Studies, University of British Columbia, Vancouver, Canada, 13-14 March 2009.

Prof. Shormishta Panja: 'Cultural and Linguistic Hybridity in Indian English Fiction: Aravind Adiga's *The White Tiger*', Hybridity and Impure Languages, Hamburg University, October 2008.

Prof. Udaya Kumar: Annual Conference of the British Association of South Asian Studies, University of Edinburgh. British Academy Peridocoral Workshop on Literature. Title of Paper: 'Indian Literature in the English Classroom: Reflections from India.', March 2009.

Prof. Rimli Bhattacharya: 'On and Off the Proscenium: Notes on Mourning' An Occasional Series, 2007-2008: Publics beyond Print: Technologies of Circulation in South Asia. Dept of SAS, University of Pennsylvania, USA, February 2008.

Invited talks abroad:

Prof. Shormishtha Panja: 'Shakespeare and Bollywood: Bhardwaj's *Maqbool* and *Omkara*' and 'Shakespeare on the Indian Stage', University of the Fraser Valley, Canada, 'A Look at Contemporary Indian Feminism', Simon Fraser University, Canada, 'Feminism in Today's India' Loyola University, Chicago. 'Ut Pictura Poesis in the Renaissance with special reference to Titian and Shakespeare', Loyola University, Chicago, November 2008.

Prof. Udaya Kumar: 'Norms and Styles: Scenes from a Postcolonial History of the Body', School of English, Newcastle University. March 2009.

Prof. Rimli Bhattacharya: 'Shikar: Mughal miniatures and Kipling's *Jungles*' and 'Durga and her Aunt: an Introduction to Ray's *Pather Panchali*', Franklin and Marshall College, Lancaster, USA, April 2008.

International Conferences held in India

Prof. Malashri Lal: International Collaboration workshop. 'Postcolonial Translations', Newcastle University and Jawaharlal Nehru University, New Delhi, 5-8 January 2009.

International Conference 'Indigenous Art and Economic Development: Canada and India', Institution: HS Gour University, Sagar: Venue: Khajuraho, 25-28 September 2008.

'Beyond Binaries and Borders: Intercultural Interdisciplinarity', College for Interdisciplinary Studies, University of British Columbia , Vancouver , Canada, 13-14 March 2009.

Prof. Shormishtha Panja: 'Contrary Couplings : Shakespeare's Odd Couples and Elizabeth I's Marriage Plans', International Renaissance Seminar, Jadavpur University, December 2008.

Prof. Sumanyu Satpathy: Panelist, International Collaboration Workshop. 'Postcolonial Translations', Newcastle University and Jawaharlal Nehru University, New Delhi, January 2009.

International Seminar on 'Non-Metropolitan Modernisms', Delhi University, 25-27 March 2009.

Prof. Udaya Kumar: Twentieth Annual Conference of the International Association of the Historians of Asia, Jawaharlal Nehru University, New Delhi, November 2008. Presented a paper on 'The Image Work of Life Writing: On P. Kunjiraman Nair's Visible Signatures' in the panel on 'Gender Discourse in Asian History: Imaging Masculinity and Femininity.'

Prof. Rimli Bhattacharya: 'Notes on the Verbal and the Visual in Chinese and Indian Traditions', International Conference on 'New Perspectives on Intercultural Studies', Institute of Chinese Studies and IGNSA, New Delhi, December 2008.

'Image as Icon: Notes from the Proscenium Theatre in Bengal' in the panel on 'Gender Discourse in Asian History: Imaging Femininity and Masculinity', International Association of Historians, Jawaharlal Nehru University, New Delhi, November 2008.

Inaugural Address at International Conference on Children's Literature: 'Bind us Together: Global Perspectives in Multicultural Children's Literature', CLAI and Nirmala College for Women, Coimbatore, September 2008.

Hany Babu : GLOW (Generative Linguistics in the Old World) Colloquium, English and Foreign Languages University, Hyderabad, February 2009.

Prof. Shirshendu Chakrabarti: Keynote address at the Interdisciplinary Seminar on The City and its Cultures', organised by the Department of English and Hindu College, December 2008. Title of paper: 'Unreal City'.

Shormishtha Panja: 'Titian's *Poesie* and Shakespeare Pictures', Keynote Address, Renaissance Seminar, North Bengal University, March 2009.

'Shakespeare and Elizabeth I's Marriage Plans' Renaissance Seminar, North Bengal University, March 2009.

Prof. Sumanyu Satpathy: Spoke at a Workshop on Translation at Utkal University, April, 2008.

Prof. Udaya Kumar: G. C. Bannerjee Memorial Lecture at Mumbai University. Title: 'Writing Lives, Writing the Past: Personal Narratives and Embodied Histories.', February 2009.

National Seminar on 'Doing History Beyond the Discipline', Mahatma Gandhi University, Kottayam. Title of paper: 'Beyond Life Writing: Cultural History and the Study of Lives', May 2008.

Prof. Devadawson, Christel : 'Languages of dissent and silence' in 'Language and Communication cartoons', Delhi University, March 2009.

'Soul-making or fiction-making'? 'Reading the poet, Writing the text', 'Literati', Gargi College, Delhi University, February 2009.

'Will you be here next Tuesday', or, Gender Studies and the woman detective.' 'Language, Literature and Culture' Jamia Millia Islamia, November 2008.

'The gentle art of poison: Women, Chemistry and Agatha Christie', Jadavpur University, April 2008.

'Cartoons and the pressures of narrative: R.K. Laxman and Post-independent India', 'Time, Text and Narrative', Jadavpur University, April 2008.

Hany Babu : 'Exploring Tense Aspectual system in Malayalam', LISSIM 3, Kausani, June 2008.

Publications

Lal, M. 2009. (Co-editor), *Speaking for Myself: Women's Writing in Asia*, New Delhi: Penguin Books.

Chakrabarti, S. 2009. (Co-editor) *Word Image Text: Studies in Literary and Visual Culture*, Delhi: Orient Black Swan.

2008. *Paronto Alor Katha* (poems in Bangla). Kolkata: Ananda Publishers.

Panja, S. 2009. (Co-editor) *Word Image Text: Studies in Literary and Visual Culture*. Delhi: Orient BlackSwan, Delhi.

2008. 'Shakespeare in India: Resistance, Recalcitrance, Recuperation', in *Transnational Exchange in Early Modern Theater*, (eds) Robert Henke and Eric Nicholson. Aldershot: Ashgate.

Satpathy, S. (ed.) 2009. *Southern Postcolonialisms: New Literary Representations*. New Delhi : Routledge India.

2009. *Reading Literary Culture*. New Delhi : Rawat Publications.

Sen, S. 2009. 'Radical satire and respectability: comic imagination in Hone, Jerrold and Dickens, *The Working-Class Intellectual in Eighteenth- and Nineteenth-Century Britain* (ed. Krishnamurthy, A.). Aldershot: Ashgate.

Hogarth, Egan. 2008. 'Dickens and the making of an Urban aesthetic', *Representations*, No. 103, August 2008.

Review of *Art of the Everyday: Dutch Painting and the Realist Novel*, *Victorian Studies*, Winter 2009.

Review of Sally Ledger, *Dickens and the Popular Radical Imagination*. *Victorian Studies*, Autumn 2008.

Kumar, U. 2009. 'Subjects of New Lives: Reform, Autobiography and the Discourse of Self-Making in Kerala', in *Different Types of History*, (ed.) Ray, pp. 299-331. Pearson Longman and Centre for Studies in Civilizations, New Delhi.

2009. 'Writing the Life of the Guru: Chattampi Swamikal, Narayana Guru, and Modes of Biographical Construction', in *Biography as History: Indian Perspectives* (eds) Ramaswamy, V. and Sharma, Y., pp. 53-87, Hyderabad, Orient Blackswan.

2008. 'Autobiography as a Way of Writing History: Personal Narratives from Kerala and the Inhabitation of Modernity', in *History in the Vernacular* (eds) Partha Chatterjee and Raziuddin Aquil, 418-48. Delhi: Permanent Black.

2009. [In Malayalam] 'Sahityavimarsakanaya Ayyappa Paniker [Ayyappa Paniker as Literary Critic]', *Keralakavitha*, 41: 76-84.

Devadawson, C. 2009. (Co-editor) *Word Image Text: Studies in Literary and Visual Culture*. Delhi: Orient BlackSwan.

2009. *The Limits of Fantasy: Haroun and the Sea of Stories' Rushdie the Novelist*, in (ed.) Meenakshi Bharat, Delhi: Pencraft International.

2009. (Review) 'At home in the world', *The Book Review*, Delhi, April 2009.

Bhattacharya, R. 2009. 'Recovery, Recontextualisation and Performance: Questions on the Margin', in *Biography and History*, (ed. Ramaswamy, V. et. al. pp. 152-77. Hyderabad: Orient Blackswan.

2008. Four biographical entries in *The Oxford Encyclopedia of Women in World History*, (ed.) Bonnie G. Smith. New York: Oxford University Press.

GERMANIC AND ROMANCE STUDIES

Major Activities

Annual International Conference on *Imagined Horizons: Spatial Configurations of the Present* as part of theme course for M.A./M.Phil. students on 'Imagined Horizons', 5-7 March 2009.

Four-day Workshop on Practical Theatre Training and Exploring Creative Process conducted by Josefina Baez (La Romana, Dominican Republic, New York), actor, writer, director, educator, Director of Ayombe Theatre, 10-13 February.

Lectures delivered by Guest Faculty:

Chitra Harshvardhan, Centre for German Studies, JNU, November 2009.

Miguel Angel Ramírez Ramos, Ambassador of Cuba, November 2009.

Paulo Minuto and Agostino Ferrente, Italian film director, January 2009.

Wynfrid Kriegleder, Professor of German Studies, Institut für Germanistik, University of Vienna, Austria, February 2009.

Debra A. Castillo, Professor of Romance Studies and Comparative Literature, Department of Romance Studies, Cornell University, Ithaca, New York, USA, February 2009.

Alexander Honold, Professor of German Studies, University of Basel, Switzerland, March 2009.

Martin Dean, Swiss writer, March 2009.

Special Lecturers delivered by the following Visiting Fellows:

Everton Machado, Université de Paris IV – Sorbonne, France, October-November 2008.

Marie-Christine Rochmann, Université Paul Valéry, France, Novembre 2008.

Flamina Nicora, Università degli studi di Bergamo, Italy, February-March 2009.

Wolfgang Braungart, Professor, Fakultät für Linguistik und Literaturwissenschaft, Universität Bielefeld, Germany, March 2009.

Ph.D./M.Phil. Degrees awarded

Ph.D. - 1

M.Phil. - 2

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Impact of Social Movements on Latin American Literature	Prof. Vibha Maurya	Scheme to strengthen R and D Doctoral Research Programme
The 1857 Revolt in the German Language Press and Literature.	Prof. Shaswati Mazumdar	- do -
Italian Responses to the Indian Uprising of 1857.	Dr. Sharmistha Lahiri	- do -
Contemporary Indian Conceptions of Africa.	Prof. Kusum Aggarwal	- do -

Muslims in the Spanish Literary Imagination.	Dr. Minni Sawhney	- do -
Issue of Quality in Translation with special reference to the Hindi translation of the tales of the Grimm Brothers.	Dr. M.S. Joshi	- do -
Forms of the Detective Novel in Latin America at the Department of Germanic and Romance Studies.	Dr. Vijaya Venkataraman	- do -
Spanish-Hindi translations: A Review and the Way Forward.	Dr. Maneesha Taneja	- do -
A learner profile database and online learner corpus.	Dr. Tanya Roy	- do -
An annotated translation of <i>Die siebte Kreuz</i> (The seventh cross) by Anna Segher from German into Hindi.	Ms. Jyoti Sabharwal	- do -
Research Project on Italian responses to 1857 Uprising in India.	Mr. Ramesh Kumar	- do -
Exploring the Doppelgänger Motifs in 19 th Century European Literary Texts with Focus on German Texts.	Dr. Rosy Singh	- do -

Programmes taken up involving Inter-institutional Collaboration

Special Assistance Programme at the level DRS-I.	Head of the Department	UGC
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Seminars/Conferences held

International Seminar on 'Imagined Horizons: Spatial Configurations of the Present', 5-7 March 2009.

Seminars/Conferences attended

Vibha Maurya: Inscribiendo El Quijote hindi (Apuntes de una traductora), Santiago de Compostela, Spain, 10-13 July 2008.

Fronteras de traducción: Cervantes y Saramago, Alcañices – Braganza, Spain, Portugal, 15-18 July 2008.

International Conference: Imagined Horizons: Spatial Configurations of the Present, Department of Germanic and Romance Studies, Delhi University, 5-7 March 2009.

Shaswati Mazumdar: Presented paper on 'Language of the 21st Century: The poetics and politics of 'transcultural' writing', International Conference: 'Impure Languages' : Linguistic and Literary Hybridity in Contemporary Cultures, Hamburg University, 5-7 March 2009.

International Conference: Imagined Horizons: Spatial Configurations of the Present, Department of Germanic and Romance Studies, Delhi University.

Sharmishtha Lahiri: Opening Remarks in International Conference: Imagined Horizons: Spatial Configurations of the Present, Department of Germanic and Romance Studies, Delhi University, 5-7 March 2009.

Minni Sawhney: International Conference: Imagined Horizons: Spatial Configurations of the Present, Department of Germanic and Romance Studies, Delhi University, 5-7 March 2009.

Delhi International Arts Festival: Paz after Paz, Presented a paper on 'The Poet as Diplomat and Anthropologist: The influence of Claude Levi Strauss on Octavio Paz', Lalit Kala Akademi and Embassy of Mexico, 3-6 December 2008.

Vijaya Venkataraman: International Conference: Imagined Horizons: Spatial Configurations of the Present, Department of Germanic and Romance Studies, Delhi University, presented a paper 'Barcelona between the Universal Expositions: Representation of Urban Space in Eduardo Mendoza's *La ciudad de los prodigios (The City of Marvels)*'.

Farida Irani: International Conference: Imagined Horizons: Spatial Configurations of the Present, Department of Germanic and Romance Studies, Delhi University, 5-7 March 2009.

Tanya Roy: Participated in the International Conference in Honour of John Sinclair at Granada, Spain, with a paper on 'Using Learner Corpora from Syllabus Modification to Evaluation', 22-24 September 2008.

Tanya Roy, Maneesha Taneja, Jyoti Sabharwal, Rosy Singh, Ramesh Kumar, Aarti Paul, Ena Panda and Rama Paul: International Conference: Imagined Horizons: Spatial Configurations of the Present, Department of Germanic and Romance Studies, Delhi University, 5-7 March 2009.

Irani, F. 2008. 'Comment faire de l'Université un second chez soi? An introduction to the Indian University System', Key note address delivered during the Workshop for French language assistants in India (2008-09) at the invitation of SCLE, Ambassade de France en Inde.

2008. DELF/DALF Workshop at International level organised by SCLE, Ambassade de France en Inde.

2008. Conducted a Workshop on 'Internet in the Language classroom' for teachers of degree colleges in Hyderabad, at the invitation of the Indian Association of Teachers of French.

International Conference: Imagined Horizons: Spatial Configurations of the Present, Department of Germanic and Romance Studies, Delhi University, 5-7 March 2009.

Publications

Books

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

Maurya, V. and Arellano, I. (eds). 2008. *Cervantes and Don Quijote*. Hyderabad : EMESCO.

Articles

Maurya, V. 2008. 'Don Quixote and Theory of Polyphonic Novels', *Cervantes and Don Quixote*. Hyderabad: EMESCO, pp. 25-40.

2008. 'Traducción de EL QUIJOTE: Apuntes de una traductora', *Tus obras rincones de la tierra descubren*, Actas del VI Congreso Internacional de la Asociación de Cervantistas, Alcalá de Henares, Spain, pp. 545-51.

2008. 'Cervantes, Quijote y Sancho (Voces polifónicas y acciones subversivas)', Guanajuato en la Geografía del Quijot *XVIII Coloquio cervantino Internacional*, Mexico.

2008. 'El Siglo de Oro y su recepción en India', *INSULA 739- 740* (July-August 2008), Spain, pp. 26-8.

Mazumdar, S. and Schwarz, T. (eds). 2008. German Studies in India Beiträge aus der Germanistik in Indien. Neue Folge, Bd. 1, Iudicium, München.

Mazumdar, S. 2008. Der Seeweg nach Indien. Ein wiederkehrendes Motiv in der Literatur der DDR. In: Projektionen - Imaginationen - Erfahrungen. Indienbilder der europäischen Literatur. Hrsg. v. Winfried Eckel, Carola Hilmes u. Werner Nell, Gardez! Verlag, Remscheid.

Lahiri, S. 2009. 'Family Lexicon of Natalia Ginzburg: Reliving Life in Words', *Autobiography: Fact and Fiction*. (ed.) Rosy Singh, Delhi: Aryan Books International, pp. 243.

Aggarwal, K. 2008. Introduction for Baron J.F. Roger, *Les Fables sénégalaises* (1828), Coll. Autrement mêmes, Paris: L'Harmattan, pp. xxxix-170.

2008. 'Europe et Afrique: Les enjeux d'une confrontation de Marcel Griiaule à Hampâté Bâ', (Diop, P.S. et Gbanou S.K), *Palabres*, Vol. 8, Special Issue, Langres, éditions Dominique Guéniot, pp.163-78.

2008. 'Autobiography and Anthropology in the writings of Amadou Hampâté Bâ', *Francophone Postcolonial Studies*, UK, Vol. 6.2, pp.73-91.

Sawhney, M. 2009. 'Desire and its Facilitators in Cervantes', *Los trabajos de Persiles y Sigismunda*, Anuario de Estudios Cervantinos, 5: 295-304.

Joshi, M.S. 2008. 'Das Wörterbuch Deutsch-Hindi: Überlegungen zu einem Projekt des indischen Bildungsministeriums', *German Studies in India: Beiträge aus der Germanistik in Indien, Neue Folge*, Bd 1, iudicium, München, Germany, pp.149-57.

2008. *Kisaan aur Shaitaan* Hindi translation of German fairytale 'Der bauer und der Teufel', *Chhapte Chhapte* (a well known daily Hindi newspaper of Kolkata).

Venkataraman, V. 2009. 'Documenting Other Histories in Chiapas: *The Secret Reports and The Uncomfortable Dead*. Contemporary Perspectives'. *History and Sociology of South Asia*, Vol. 3, No. 1, pp. 92-105.

2008. 'A Critique of Reading/Writing: From *Don Quixote* to *I the Supreme*. *Cervantes and Don Quixote*', Proceedings of the Delhi Conference on Miguel de Cervantes, (eds) Maurya, V. and Arellano, I., Hyderabad : EMESCO Books.

Roy, T. 2009. 'Corpus dell'italiano come L2 in India', <http://www.intratext.com/IXT/ITA0061>.

Taneja, M. 2008. 'Quixotic Images in García Márquez's *One Hundred Years of Solitude*', in *Cervantes and Don Quixote: Proceedings of the Delhi Conference on Miguel de Cervantes* (eds) Maurya, V. and Arellano, I. Hyderabad: EMESCO Books, pp. 348-60.

Singh, R. 2008. 'Quer durch das deutsche Woerterbuch. Surfen mit den Bruedern Grimm', in *German Studies in India. Beitrage aus der Germanistik in Indien*, Muenchen, iudicium, pp. 140-48.

2009. 'Kafka's Letters to Felice Bauer: A Lover's Discourse'. *Germinal*, Delhi, 5, 145-67.

LINGUISTICS

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	2
M.Phil.	-	6

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Girl Child Education in Madhya Pradesh.	Prof. R.K. Agnihotri	Consultant to the UNICEF, Bhopal Project on

Building speech corpora for understanding linguistic genesis in a contact situation. Dr. Shobha Satyanath Delhi University (R&D)

Programmes taken up involving Inter-institutional Collaboration

Issues of language. Prof. R.K. Agnihotri IGNOU, Delhi, NCERT, Delhi, SCERTs of Chattisgarh and Bihar, VBERS, Udaipur, Digantar, Jaipur and Eklavya, Bhopal

Linguistics Workbook. Dr. Tanmoy Bhattacharya VBERS, Udaipur

Organisation of International Conference on Cognition and Learning. VBERS, Udaipur

Conducted workshop on Web Designing. VBERS, Udaipur

Appointment of faculty members to higher Posts/Assignments

Prof. R.K. Agnihotri: Member, International Editorial Board, *International Multilingual Research Journal*, USA.

Prof. R.C. Sharma: Visiting Professor Hankuk University of Foreign Studies, Seoul, South Korea.

Prof. Ravinder Gargesh: Member Editorial Board of the *International Journal of World Englishes*.

Prof. Tista Bagchi: Nominated President of India Member of the Academic Council of Sikkim University, Gangtok.

Honours/Distinctions

Prof. Ravinder Gargesh: Invited for the plenary lecturer, XIV Conference of the International Association of World Englishes (IAWE) on the theme *World Englishes and World Languages: Convergence, Endangerment or Death*, organised by the Department of Chinese, Translation and Linguistics at the City University of Hong, Hong Kong.

Prof. R.C. Sharma: Invited for Guest of Honour at the *International Conference of Larestan Philology and Ethnology* at Lar, Iran, 13-15 March 2009.

Dr. Tanmoy Bhattacharya: Invited talk *Computational Models for Indian Languages* (CGMIL), IIT, Hyderabad, June 2008.

Selected Senior Fellow at the Indian Institute of Advanced Studies (IIAS), Shimla.

Seminars/Conferences attended

Prof. R.K. Agnihotri: 'Multilinguality, Language and 'a language': Implications for Education', International Conference on Globalisation and Languages, UNESCO United Nations University, Tokyo, 27-28 August 2008.

'Multilinguality in India', XXXII Indian Social Science Congress, Jamia Milia Islamia, New Delhi, 18-22 December 2008.

'Aspects of Language', Keynote address, SCONLI-3, Jawaharlal Nehru University, New Delhi, 18-21 February 2009.

'Multilinguality and the Common School System', National Seminar on the Common School System, NUEPA, Islamic Centre, Lodhi Road, 24-25 March 2009.

Prof. Ravinder Gargesh: International Seminar on 'Revisiting Indo-Persian Sources: Persian as a Bridge' at the Conference Centre, Department of Persian, Delhi, 6 December 2008.

RaaSTri te antarraaSTri driS vic Punjabi dian bhashaii loRaaN (The linguistic needs of Punjabi at the National and International levels). Paper presented at the Silver Jubilee AntarraaSTrii Punjabi Vikaas Conference: Punjabi bhaaSaa, sahit ate sabhiacaar, International Conference for the development of Punjabi: Punjabi Language, Literature and Culture, Department of Development of Punjabi Language, Punjabi University, Patiala, 3-5 February 2009.

'Teaching of Korean as a foreign language in India', Keynote address at the Seminar on Korean Language Education in India, Department of South East Asian Studies, Delhi University, 16-17 February 2009.

Prof. R.C. Sharma: 'Languages, Linguistic Diversity and the Women's Writing in South Asia', Yongin Campus, HUFs, South Korea, 18 April 2008.

Delivered a Plenary lecture 'Brain Evolution and Language: Reflections on Some Issues at the 2008 Spring', Conference of the International Society for Chomskian Studies, Korea University, Seoul, South Korea, 31 May 2008.

Presented a paper 'Brain Evolution and Language', Lar, Iran, 13-15 March 2009.

Guest of Honour at the International Seminar on Perspectives in Linguistics; presented a paper on 'Brain Language Study Issues and Problems', Kashmir University, Srinagar, 5-6 November 2008.

Prof. Tista Bagchi: Presented a paper entitled 'Towards an International Illocutionary Interface' at the Conference on Pragmatics and Grammatical Interfaces in honour of Professor Jerrold M. Sadock, Department of Linguistics, University of Chicago, Chicago, Illinois, 2-3 May 2008.

Chair of a Plenary Session on Semantics Pragmatics at the GLOW in Asia VII at the English and Foreign Languages, University, Hyderabad, 25-27 February 2009.

Delivered a keynote address entitled 'A Reflective Polyglot: Sir William Jones and his Contributions to the Study of Languages' at the 262nd Birthday Celebration Conference on Sir William Jones, the Asiatic Society, Kolkata, 26 September 2008.

Dr. Shobha Satyanath: Participated Bishnupriya and not Manipuri Surviving identity amid conflict North East part of India, Houston, Texas, USA.

'Rethinking Language and Identity', XXXII Indian Social Science Congress, Jamia Millia Islamia, New Delhi, 17-22 December 2008.

'Puzzles of contact and diffusion. Journey of Assamese into Nagamese', Department of NEHU, Shillong, 22 August 2008.

Sociolinguistics Workshop I Data and Methodology, SCONLI-III, JNU, New Delhi, 21 February 2009.

Dr. Tanmoy Bhattacharya: Participated in the VI International Conference on Language Resources and Evaluation, Marrakech, Morocco, May 2008.

Computational Models for Indian Languages, IIT, Hyderabad, June 2008.

XXX AICL Meeting, Deccan College, Pune. (2 papers), November 2008.

III Linguistics Spring School in the Indian Mountains, Kausani, taught 'Antisymmetry in Syntax', May 2008.

III Student Conference in Linguistics, Jawaharlal Nehru University, Delhi, February 2009.

Publications

Books

Agnihotri, R.K. 2008. Indradhanush Elementary Textbook Series: *From Creation to Reception*. Delhi: State Council of Educational Research and Training (with Rajan, J. and Khanna, A.L.).

Gargesh, R. 2009. Foreword, In Kim Do Young compiled *Practical Bharati Korean English Dictionary (with Hindi Pronunciation)*. Delhi: Frank Brothers and Company, pp. 5-7.

2008. Compiled and Edited with Chandershekhar et. al. *Farhang-e-Aryan (Aryan Dictionary): Persian-Hindi-English-Urdu*. (Volume 1: Alif-Ba). Delhi: Centre of Persian Research, Iran Culture House Alhoda International Publishers and Distributors.

Sharma, R.C. 2009. Chapter 7, 'Language Evolution and the Human Brain', HSPCIC Volume XII part 6, *Life and Organicism*, pp. 193-211, edited by Rangaswamy, N.S., New Delhi : Centre for Studies in Civilizations.

'Languages, Linguistic Diversity and the Women's Writing in South Asia', in *Journal of the ISAS*, Seoul, South Korea.

Satyanath, S. and Laskar, N. 2009. 'Ethnicity, bilingualism and variable clitic marking in Bishnupriya Manipuri', in James N. Stanford and Dennis R. Preston (eds), *Quantitative Sociolinguistic Studies of Indigenous Minorities*, John Benjamins, 441-62.

Internationally referred Articles:

Agnihotri, R.K. 2008. 'Orality and Literacy', in Kachru, Braj, B., Kachru, Y. and Sridhar, S.N. (eds) *Language in South Asia*. Cambridge: Cambridge University Press, pp. 271-84.

2008. 'Continuing Debates over the Native Speaker: A Report on a Symposium on English in India and Indian English', *English Today*, 24.4: 51-8. Cambridge: Cambridge University Press.

2009. 'Multilinguality and a New World Order', in Mohanty, A., Panda, M., Skutnabb-Kangas, T. and Phillipson, R. (eds), *Multilingual Education for Social Justice: Globalising the Local*. New Delhi: Orient BlackSwan.

Gargesh, R. 2008. 'Persian in South Asia' (with Abidi, S.A.H.), in *Language in South Asia*, Kachru, B.B., Kachru, Y. and Sridhar, S.N. (eds), Cambridge University Press, pp. 103-20.

Research Articles in Books or Scholarly Journals

Bhattacharya, T. 'Auxiliary Selection and Aspect in Bangla', *Indian Journal of Linguistics*. Vol. 25-26.

'Focus Accent in Bangla Complex Sentences', *Interdisciplinary Journal of Linguistics*.

'Sluicing in Indo-Aryan: An Investigation of Bangla and Hindi', (with Simpson, A.), in *Sluicing*, edited by Merchant, J. and Benjamins, J.

A Common Parts-of-Speech Tagset Framework for Indian Languages, (Co-authored), Proceedings of Sixth International Conference on Language Resources and Evaluation. Marrakesh, Morocco.

LIBRARY AND INFORMATION SCIENCE

Major Activities

The Department is actively involved in 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 include: Library and Information Science Education, Information Seeking Behaviour, Scientometrics and Webometrics, Open Source Movement, e-Journal Consortium, Information Literacy, Networks and Library Networking. Areas like Designing e-Learning Resource Model in Library and Information Science in India, Design and Development of Digital Database of Homeopathic Information Resources in India etc., are also taken up for research projects.

A bust of Padmashri Dr. S.R. Ranganathan, the Father of Library Science, was installed in the Department which was unveiled by Prof. Deepak Pental, Hon'ble Vice-Chancellor, Delhi University, in a function held on 31 July 2008. The function was presided over by Hon'ble Prof. S.K. Tandon, Pro-Vice-Chancellor, Delhi University.

Ph.D./M.Phil. Degrees awarded

Ph.D. - 1
M.Phil. - 7

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Designing and Development of Web Enabled Directory of the Teachers and Teaching Institutions of Aerospace Engineering in India.	Dr. K.P. Singh	Aeronautics Research and Development Board, Defence Research and Development Organization, Ministry of Defence, Govt. of India, New Delhi,

Programmes taken up involving Inter-institutional Collaboration

Kabul Training Programme, Co-ordinator, Prof. (Mrs.) S.P. Singh, Dr. R.K. Bhatt and Mr. Manish Kumar, sponsoring organization, Delhi University and Kabul University.

New Additions

Mr. Manish Kumar - Lecturer

Honours/Distinctions

Dr. Shailendra Kumar: Awarded SIS Fellowship Award 2008 by Society for Information Science, Delhi.

Seminars/Conferences attended

Prof. (Mrs.) S.P. Singh: International Conference of Asian Special Libraries, 2008, on Shaping the future of special libraries: Beyond boundaries.

Invited Paper at International Conference on Information and Knowledge Management-2008 (ICIKM – 2008), Nepal, 26-30 March 2008.

National Conference on Digitization and Digital Preservation, organised by DESIDOC, 11-12 December 2008.

Seminar on Trends and Strategic Issues for Libraries in Global Information Society, at the Department of Library and Information Science, Punjab University, Chandigarh, 8-19 March 2008.

Dr. Shailendra Kumar: National Conference on Library and Information Technology: Driving Management Education, Delhi, National School of Business and International Centre for Management Excellence (NICME), 26-27 February 2009.

Twenty-fifth National convention of SIS, Role of Libraries in 21st Century, organised by Indian Institute of Management, Indore, 5-6 December 2008.

Dr. R.K. Bhatt: ILA-TISS International Conference on Knowledge For all: Role of Libraries and Information Centers at Tata Institute of Social Sciences, Deonar, Mumbai, 12-15 November 2008.

International Conference of Asian Special Libraries (ICoASL 2008), Shaping the future of special libraries: Beyond boundaries, at New Delhi and Chaired a session, 26-28 November 2008.

Chaired a session on Emerging Trends and Technologies in Libraries and Information Services, at Jaypee Institute Noida, 18-20 December 2008.

Dr. (Mrs.) P.K. Walia: XXV IATLIS National Conference at Panjab University, Chandigarh, IATLIS Dharwad, 2008, on Changing face of LIS education learning styles and teaching methodologies, Conference papers and proceedings, 27-29 November 2008, pp. 169-79.

Emerging trends and technologies in libraries and Information Services. Proceedings of ETTLIS Conference at Noida (UP), 18-20 December 2008.

Dr. K.P. Singh: Participated and Presented paper in the National Conference on Digitization and Digital Preservation (NCDDP-2009), organised by DESIDOC, New Delhi, (Deputed as University Delegate), 11-12 December 2008.

Participated in the International CALIBER-2009 at Pondicherry University, Pudicherry, (Deputed as University Delegate), 12-15 January 2009.

Mr. Manish Kumar: International Conference of Asia Special Libraries (ICoASL 2008) on Shaping the future of Special Libraries: Beyond Boundaries, New Delhi, 26-28 November 2008.

International Symposium on Emerging Trends and Technologies in Libraries, organised by Jaypee Institute of Information Technology University, Noida; Delhi College of Engineering and SALIS Delhi NCR Chapter, 18-20 December 2008.

S.P. Singh, and Pinik: Skill requirements for LIS professionals in electronic environment in International Conference of Asian Special Libraries, 2008, on Shaping the future of special libraries: Beyond boundaries, 2008.

S.P. Singh : Digitization of Libraries: Some Indian Initiatives, in International Conference on Information and Knowledge Management-2008 (ICIKM – 2008), Nepal, 26-30 March 2008.

S.P. Singh and S. Paul : Digitization initiatives in Indian libraries, in National Conference on Digitization and Digital Preservation organised by DESIDOC, New Delhi, 11-12 December 2008.

S.P. Singh : Digitization of Libraries: Some Issues and Considerations, in ICSSR sponsored Seminar on Trends and Strategic Issues for Libraries in Global Information Society, the Department of Library and Information Science, Punjab University, Chandigarh, 8-19 March 2008, pp. 35-9.

S. Kumar and S. Agrawal : Opac to Web Opac: A journey from present to future, Workshop on 'Library and Information Technology: Driving Management Education', National School of Business and NICME, Delhi.

L. Chouhan and S. Kumar : Understanding and creating RSS feed in the System, Workshop on 'Library and Information Technology: Driving Management Education', National School of Business and NICME, Delhi.

S. Kumar : Interoperability protocols and Standards in LIS, National Workshop on Library. 2.0: A Global Information Hub, PRL Ahmedabad.

R.K. Bhatt and D. Gulati : National Conference on Digitisation and Digital Preservation Conference 'Digitization issues and Challenges', 28-32, DESIDOC, New Delhi.

R.K. Bhatt : ILA-TISS International Conference on 'Knowledge For all: Role of Libraries and Information Centers', Tata Institute of Social Sciences, Deonar, Mumbai, 2008.

International Conference of Asian Special Libraries (ICoASL 2008), Shaping the future of special libraries: Beyond boundaries, 'Reading Opportunity for Reading Disables in India', New Delhi, 2008.

Emerging Trends and Technologies in Libraries and Information Services', 'Library Consortiums: A Strategic solution for the Libraries to overcome the Financial Crunch.' Jaypee Institute, Noida, 2008.

Publications

Books

Kumar, S. 2008. *Library and information Centres in India*, 7 DVDs Set : Delhi, Softlink Asia Ltd.

Walia, P.K. and Kalra, N. 2008. 'Teaching Methods in library and information science education', in *Changing face of LIS education learning styles and teaching methodologies: Conference papers and proceedings*. (eds Karisiddappa, C.R. and Kumbar, B.D. 25th IATLIS National Conference at Panjab University, Chandigarh, IATLIS Dharwad, pp. 169-79.

Walia, P.K. and Shah, V. 2008. 'Digital libraries initiatives in India', in *Emerging trends and technologies in libraries and Information Services*. Proceedings of ETTLIS Conference Kataria, S., Nigam, B.S. and Shukla, R.K., (eds) Noida (UP), Delhi: KBD Publication, pp. 557-65.

Singh, K.P. Web based knowledge management system: A proposed model for Delhi University, in National Conference on Digitization and Digital Preservation (NCDDP), DESIDOC: New Delhi, pp. 415-23.

Khairah, N. and Singh, K.P. 'Knowledge Management in corporate organization', in *Perspectives on knowledge organization*. Malhan (IV) and Rao, S. (eds), USA: Scarecrow Press, pp. 295-307.

Singh, K.P. and Sharma, A. 'Use and Evaluation of Library Software Packages in Management Libraries in Delhi: A case study', in *Management of E-resources in Academic Libraries* (RAO, M., Koteswara (eds). Hyderabad: BS Publications, pp. 201-16.

Sangam, S.L. and Meera, 2008. 'Research Collaboration Pattern in Indian Contributions to Chemical Sciences', *Proceedings of WIS 2008, Fourth International Conference on Webometrics, Informetrics and Scientometrics and Ninth COLLNET Meeting*, Kretschmer, H. and Havemann, F. (eds).

2008. *Library and information Science Education in India*, 2DVDs Set. Delhi, Softlink Asia Ltd.

2008. *Library and information Science Professionals in India*, 8DVDs Set. Delhi Softlink Asia Ltd.

Bhatt, R.K. 2008. 'Information and Documentation Services in 3rd World Countries: Role of Unesco', *Journal of Library and Information Science*, 33(1 and 2):119-38.

2008. 'Libraries through the ages in Delhi: A Historical Perspective', *Library Herald*. 46(4):308-19.

2008. 'March towards digitization of information resources in India: issues and initiatives'. *World Digital Libraries*, 1(2):147-67.

Walia, P.K. and Kaur, P. 2008. 'Webometric Analysis of Library Associations' Websites of India'. *IASLIC Bulletin*, 53 (3):131-43.

Kanaujia, L. and Walia, P.K. 2008. 'Public Libraries in Delhi Satisfying Information Needs of their Users'. *Library Herald*, 46(3):172-182.

Singh, K.P. and Satija, M.P. 2008. 'Information seeking strategies of agriculture scientists working in the ICAR institutions in India'. *DESIDOC Journal of Library and Information Technology*, 28(3): 37-46.

Satija, M.P. and Singh, K.P. 2008. 'Mapping of the universe of knowledge in different classification schemes'. *Journal of Library and Information Science*, 33(1-2) : 3-20.

Singh, K.P. 2008. 'Universal Decimal Classification and its use: A case study of the library and Information centres in Delhi'. *UDC: Additions and Corrections*, 30(1).

Madhusudha, M. 2008. 'Use of UGC-Infonet e-journals by research scholars and students of the Delhi University, Delhi: A study'. *Library Hi Tech*, 26(3) : 369-86.

Madhusudhan, M. and Reetu, V. 2008. 'The Creation of a Multimedia Orientation to the Department of Library and Information Science, Delhi University: A Systems Analysis'. *Library Philosophy and Practice* (online).

Sangam, S.L. and Meera. 2008. 'Indian Chemical Science Literature Structure and Dynamics (1980-2005)'. *COLLNET Journal of Scientometrics and Information Management*.

Kumar, M. 2008. 'Electronic Journals: Access Modes and Archival Issues'. *Journal of Library and Information Science*. 33(1-2): 111-18.

MODERN INDIAN LANGUAGES AND LITERARY STUDIES

Major Activities

The Department of Modern Indian languages and Literary Studies is a unique composition involving eleven languages of the country. Besides offering Certificate, Diploma and Advanced Diploma programmes in different Indian languages, it also offers Masters Programmes in Bengali, Comparative Indian Literature and Tamil. The faculty members and research students of the Department are engaged in producing research work in the fields of Comparative Indian Literature, Folklore and Tribal lore of India and Translation Studies. The Masters and M. Phil programmes in Comparative Indian Literature are known for their unique design and their relevance in the multi-lingual and multi-cultural set-up of India.

The Department has also undertaken various initiatives under the ongoing UGC DRS assistance. Under this scheme, the thrust areas 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 organised during these years and a few volumes are also to be published soon. This programme has enhanced the prestige of the department in the academic world by creating the scope for interdisciplinary research and providing a platform for the scholars of relevant disciplines to contribute to the ongoing process of investigation. Considering the amount of work we have done under the DRS programme in the department, we are hopeful of getting the DSA programme of UGC this year.

Appointment of faculty members to higher Post/Assignments

Prof. A. Mariappan: Joined as Visiting Professor of Tamil in Warsaw University, Warsaw, Poland, for a period of two years.

Honours/Distinctions

Prof. P.C. Pattanaik: Nominated as member of PAC (Apex Committee) of the National Translational Mission, Government of India, for a period of three years (2008-2011).

Ph.D. Degrees awarded

Ph.D. - 4

Seminars/Conferences held

National Workshop on 'Folklife and Fieldwork: The Process of Documentation' in collaboration with Central Institute of Indian Languages, (CIIL), Mysore, September 2008.

National Seminar on 'The Philosophy of Mahapurusha Srimanta Sankaradeva and Other Saints of Medieval India', in collaboration with Srimanta Sankaradeva Sangha, Nagaon, Assam, 14-15 November 2008.

National Seminar on 'New Horizons: Bengali Literature in the Nineties' held during 16-17 March 2009, under the DRS (Phase-I) Programme of UGC.

Delivered XII 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, 27 March 2008.

Seminars/Conferences attended

Prof. P.C. Pattanaik: Delivered three lectures in the National Workshop on 'Language, Culture and Folklore of Lepcha: Documentation and Presentation', organised by CIIL, Mysore, at Kalimpong, Darjeeling, 17-20 May 2008.

Co-ordinated the National Workshop on 'Folklife and Fieldwork: The Process of Documentation' and delivered lectures on Field Methods and Data Collection, in collaboration with CIIL, Mysore, Delhi University, 23-27 September 2008.

Dr. G. Rajagopal: Paper entitled 'Translation/Transcreation of Poetry' presented in the National Workshop on Research Network in Postcolonial Translation: The Case of South Asia, Department of English, Jawaharlal Nehru University, New Delhi, 5-12 January 2009.

Ms. Ratnottama Das: Participated and delivered lecture in the National Workshop on 'Language, Culture and Folklore of Lepcha: Documentation and Presentation', organised by CIIL, Mysore, at Kalimpong, Darjeeling, 17-20 May 2008.

Participated in the National Workshop on 'Folklife and Fieldwork: The Process of Documentation', Department of MIL and LS, Delhi University, 23-27 September 2008.

Prof. P.C. Pattanaik: Presented a paper on 'Philosophy of Panchasakha: The Medieval Saint Poets of Orissa' in the National Seminar on The Philosophy of Mahapurusha Srimanta Sankaradeva and Other Saints of Medieval India, Delhi University, 14-15 November 2008.

Prof. Nandita Basu: Delivered the keynote address in the Annual Barak-Nandini Festival of letters in Silchar, Assam, in May 2008.

Presented a paper in the National Seminar celebrating the birth centenary of the writer Ashapura Devi, organised by Karol Bagh Bangiya Samsad, New Delhi.

Presented a paper entitled 'Nativisation of some foreign characters in the fiction of Bibhutibhushan Bandopadhyay' in the International Seminar of Comparative Literature Association, at Central University, Hyderabad, January 2009.

Prof. A. Mariappan: Participated in the International Seminar on 'Cities and Forests in the Ancient Indian Literature' at the Department of South Indian Studies, University of Warsaw, Poland, 22-24 September 2008.

Dr. G. Rajagopal: Presented paper entitled 'Indraikkum Bharatiyar' in the 39th All India University Tamil Teachers' Conference at Coimbatore, 17-18 May 2008.

Presented paper entitled, 'Ramanujar: Apostle the Great of Visistadvaita' presented in the National Seminar on the Philosophy of Mahapurusha Srimanta Sankaradeva and Other Saint Poets of Medieval India at Delhi, 14-15 November 2008.

Dr. T.S. Satyanath: Paper presented on 'Rethinking Literary Historiography' in the National Seminar on Historiography in Modern Indian Literatures, Department of Comparative Literature, Jadavpur University, Calcutta, 14-15 July 2008.

'Râjâratnam avara vaicârikate: sâmskr?tika hinnele', Centenary Seminar on G.P. Rajaratnam. Sahitya Akademi, Bangalore, 5-7 September 2008.

Lecture on 'Documenting and Analyzing a Pastoralist Community'. The National Workshop on Folklife and Fieldwork: The Process of Documentation and Presentation, Delhi University, 24 September 2008.

'On Imaging Saint Poet in the National Seminar on the Philosophy of Mahapurusha Srimanta Shankaradeva and Other Saint Poets of Medieval India', Delhi University, 14-15 November 2008.

'On Conceiving Mysticism in India'. National Seminar on Mysticism, P.G. Centre, Bangalore University, Kolar, 28-29 November 2008.

'Understanding Grammatical Traditions in India' in the National Seminar on Kannada Grammars, Dravidian University, Kuppam, 20-22 March 2009.

'Mapping Vernacular Modernism: Marathi *nâtya-sangît* and *subhadrâ-vijaya*', Non-metropolitan Modernisms: An Interdisciplinary Conference, Department of English, Delhi University, 25-27 March 2009.

'Transgressing Religions: On the Emergence of Translations in Indian Literature', International Conference on Asian Translation Traditions, Bogazaci University, Istanbul, 24-26 October 2008.

'Understanding the Narratives of Peripatetic Communities: The Kinnari Jogi Version of the *Mahâbhârata*', Chotro 2009: International Conference on Nomadism, Bhasha Sansthan, Tejgadh, 3-5 January 2009.

'Contentious Harmonies: Hindu-Muslim Relationships in medieval Kannada Representations', Rethinking Religion in India II- 2009, Ghent University, Belgium, and Kuvempu University, Shankaragatta, Delhi, 8-10 January 2009.

'Cultural Confluence and Divergent Cultural Traditions in Medieval India' in the Ninth Biennial International Conference of the Comparative Literature Association of India, University of Hyderabad and The English and Foreign Languages University, Hyderabad, 28-31 January 2009.

Ms. Ratnottama Das: Coordinated the National Seminar on The Philosophy of Mahapurusha Srimanta Sankaradeva and Other Saint Poets of Medieval India and presented a paper on 'The Philosophy of Kabir: Depth and Dimentions', Delhi University, 14-15 November 2008.

Presented a paper on 'The Poet-Saint Fusion in Medieval India' in the National Seminar on Bhakti Movement and National Integration, Morigaon College, Assam, 22-23 January 2009.

Dr. Mehta Rajendra Kumar Vishnuparasad: Presented a paper on 'Raktkund' (a Tamil Novel by I. Parth Sarathi) in the National Seminar held at the Veer Narmad South Gujarat University, 8-9 March 2009.

Presented two papers on 'Jille-Subhani' (Urdu play) and 'Mojila Manilal' (Gujarati play) and keynote lecture on 'Indian Drama' in the National Seminar organised by the Department of Gujarati, University of Mumbai, 22-24 December 2008.

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Tribal Lore of Orissa: Common Culture Contents.	Prof. P.C. Pattanaik	UGC

Publications

Basu, N. 2008. Published an informative biography of the Bengali writer Jyotirmoyee Devi (1894-1988) in December 2008, published by Jnanvichitra, Agartala, Tripura.

2009. Several entries in the Folklore and Anthropological Dictionary, entitled, *Loksamskriti O Nrividyar Obhidhan*, (eds) Chakrabarti, V.K. and Bandopadhyay, S. Kolkata: Aparna Book Distributors.

'Bangla Brotokothay Satin Samasya' [The problem of co-wives in Bengali Brotokatha], in '*Kothajatak*' July 2008, Gupta, A. (ed.), published from Kolkata.

Rajagopal, G. 2008. 'Indraikkum Bharatiyar', in Mohan, R., Manivel, M. and Nachimuthu, K. (eds) *39th All India University Tamil Teachers' Conference*, Proceedings of Vol. I., Madurai: All India University Tamil Teachers' Association.

Satyanath, T.S. 2008. 'Nagara sandarbhadalli ratnana mattu nâgana padagal?u', in *Geluvina Chilume Râjaratnam kuritu*, (ed.) Ahitanala. Bangalore: Abhinava Prakashana, pp. 216-32.

2009. 'Mahabharatas in Kannada: Texts and Contexts'. *Namma Jânâpadaru*, 1.1. <http://www.indianfolklore.org/journals/index.php/namma>

2009. 'Nadu(s)' and Desa: On the Construction of Regional and National Identity in Modern Kannada Representation. *Indian Literature*, 249: 209-19.

Mehta, R.K.V. 2008. 'Brahmpalash' (Collection of Critical Essays in Gujarati), Ahamedabad: Parshav Publications.

2008. 'Brahmvakya' (Collection of Critical Essays in Drama and Theatre in Gujarati), Ahmedabad: Parshav Publications.

Books

Tekchandani, R.P. 2008. 'Tu Sindh Me Rahi Pau'. (Devnagari Sindhi transliteration of Thakur Chawla's *Tu Sindh Me Rahi Pau*, Amrita Anand Publication 2001), New Delhi: Sindhi Book Trust.

Papers

Tekchandani, R.P. 2008. 'Kuljam Swarup: Hiku Parichai', *Sindhu Joti*, No. 27, Sindhi Academy, Delhi, April- June 2008.

2008. 'Test of Language Proficiency in Sindhi' (Devnagari), (ed.) Pon Subbiah). Mysore: CIIL.

2008. *Dharamdas Hiranandani: Ek Parichayaya, Sewa, Varanasi.*

'Sindhi Kahavaten aur Samaj, Narayaneeyam', *Kalyan*, March 2009.

PERSIAN

Major Activities

Apart from teaching and students and research scholars, the Department guiding held the following International symposia and seminars:

The Department of Persian organised a one-day face-to face interaction with twelve modern Persian poets and prose writers, 4 June 2008.

International Seminar under UGC DRS programme on 'Historiography as a genre in Indo-Persian Literature', 13-15 February 2009. The Seminar was attended by many renowned scholars from Iran, Turkey, England, Kazakhstan, Afghanistan and from national Universities.

The Department also held a one-day Symposium on 'Modern Prose and Poetry in Persian, Hindi, Urdu, Punjabi and Sanskrit: A Common Life in the Languages' on 18 February 2009.

Poets and writers of these languages presented their literary creation and the same were rendered in Persian/Hindi/Urdu. The meet was to provide a platform for literary dialogue amongst various languages.

The Department published its Annual Research Journal.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	5
M.Phil.	-	6

Research Schemes

The research work under UGC DRS –SAP of Indo-Persian language and Progress to compile a History Literature. Under the scheme the Department has been regularly publishing research works/monographs. Amongst these, the recent one is 'Glimpses of History of Persian Literature in 19th c.'. Principal Investigator - Prof. Chander Shekhar.

Programmes taken up involving Inter-institutional Collaboration

An Encyclopedia of Persian Language and Literature for Indian Army; Academic support by Academy of Persian Language and Literature, Two volumes have been published till date. The faculty members of this Department and others from other Indian Universities have contributed encyclopedic entries in these volumes and more are to come. Coordinator: Prof. Chander Shekhar, sponsoring organization: Tehran, Iran.

Appointment of faculty member to higher Posts/Assignments

Prof. Chander Shekhar: Member of the Board of Research Studies in Barkatullah Vishwavidyalay, Bhopal M.P.

Honours/Distinctions

Prof. S.B.F.Husaini and Dr. Idris Ahmad: Honoured with the President's Certificate of Honour in Persian 2008 Award.

Seminars/Conferences attended

Prof. Chander Shekhar: Participated in the International Seminar on it 'Rudali: A great poet of Persian', Khujand State University, Khujand, Tajkistan, 21-24 April 2008. He chaired a session and presented a paper on 'Rudaki in the anthology of Saib: Introduction to the rare Ms. in Salar Jung Museum, Hyderabad'.

Participated in the Symposium on 'Interaction of Persian Literature with World', second week of May 2008 and presented a paper on, 'Persian and its syllabi in Indian Universities'.

Participated in the International Urs on Bedil held in Tehran, Iran. He chaired a session and presented a paper on, 'Bedil and the elements of Indian Philosophy in his poetry', November 2008.

Presented a paper 'Calligraphically works of Calligraphers of Shiraz School in Indian Libraries and Museums'. International Conference on, 'Shiraz School of Arts, literature and Fine Arts', Tehran and Shiraz, 4-6 December 2008.

Presented a lecture on, 'Persian Drama: a survey and its present position in Iran', in a two-day UGC sponsored programme on 'Drama, Theatre and Fine Arts', by Lady Brabourne College, University of Calcutta, Kolkatta, 4 November 2008.

Participated, Chaired and presented a paper entitled 'Chahar Gulshan: A review of the Post-Mughal era Gazetteer', International Seminar, on 'Historiography as a genre in Indo-Persian Literature', organised by the Department of Persian, Delhi University, 13-15 February 2009.

Prof. Rehana Khatoon: Presented a paper entitled 'Nazir Ke Ehad Ka 'Agra' Ek Guzarish', in International Ghalib Seminar, organised by Ghalib Institute, New Delhi, 12-14 December 2008.

Presented a paper entitled 'Tarikh-e-Buhera Mani Manqool Kuchh Waqea't Aur Zalzale', International Seminar on 'Historiography as a genre in Indo-Persian Literature', organised by the Department of Persian, Delhi University, 13-15 February 2009.

Participated in an International Symposium, organised by the Department of Persian, Delhi University, 18 February 2009.

Presented a paper entitled 'Shri Raghunath Sabai ji Mandir Waqae Gulab Garh: Jammu Ke Ek Khatti Nuskhe Ka Ta'ruf', International Seminar organised by the Department of Persian, Aligarh Muslim University, Aligarh, 24-26 February 2009.

Presented a paper entitled 'Farhang-e-Nizam: Osmania University Ke Ek Farsi Ustad Ka Azeem Karnama', International Seminar, organised by the Department of Persian, Osmania University, Hyderabad, 28-30 March 2009.

Prof. S.B.F. Husaini: Presented a paper at an International Seminar on 'Historiography as a genre in Indo-Persian Literature', the organised by the Department of Persian, Delhi University, 13-15 February 2009.

Participated in an International Symposium organised by the Department of Persian, Delhi University.

Dr. Aleem Ashraf Khan: Presented a paper entitled 'Tarikh-e-Shahiya Nisha Puria as a Genre of Indo-Persian Literature', International Seminar on 'Historiography as a genre in Indo-Persian Literature', organised by the Department of Persian, Delhi University, 13-15 February 2009.

Participated in an International Symposium and conducted and compared the day's proceedings, Department of Persian, Delhi University, 18 February 2009.

Presented a paper entitled 'Akhbarul Akhyar ke urdu Tarajim' at an International Seminar, Arabic Persian Research Institute, Tonk, Rajasthan, 17-19 February 2009.

Presented a paper entitled 'A rare manuscript of an Ocean Studies in Persian', International Seminar organised by the Department of Persian, Aligarh Muslim University, Aligarh, 24-26 February 2009.

Presented a paper entitled 'Satinatul Nijaat: an Introduction', International Seminar organised by the Department of Persian, Osmania University, Hyderabad, 28-30 March 2009.

Dr. Rajinder Kumar: Presented a paper entitled 'Badshahnameh 'Abdul Hamid Lahori, Beonwan-e- Makheze Adabiyat-e-Farsi', International Seminar on 'Historiography as a genre in Indo-Persian Literature', organised by the Department of Persian, Delhi University, 13-15 February 2009.

Participated in an International Symposium and produced the translation of two Punjabi poems into Persian. Department of Persian, Delhi University, 18 February 2009.

Dr. Alauddin Shah: Presented a paper at an International Seminar on 'Historiography as a genre in Indo-Persian Literature', organised by the Department of Persian, Delhi University, 13-15 February 2009.

Participated in an International Symposium organised by the Department of Persian, Delhi University.

Presented a paper at an International Seminar on 'Rudaki' at Tehran, Iran, December 2008.

Dr. Aleem Ashraf Khan: Presented a paper entitled 'Some rare manuscripts of Mirza Abdul Qadir Bedil Works in Salar Jung museum And Library in Hyderabad' in three-day International Seminar, on 'Mirza Abdul Qadir Bedil, Urs-e-Bedil, Tehran, Iran, 4-6 November 2008.

Presented a paper entitled 'Introduction of Rare Manuscript of Jung collected By Saib Tabbrazi of Rudaki's poetry Preserved in the Salar Jung Museum and Library', in three-day International Seminar on 'Rudaki', Tehran, Iran, 22-24 December 2008.

Publications

Books

Shekhar, C. *Farhnage Aryan: A dictionary of Persian-Hindi, English and Urdu*, Tehran, Iran, AlHoda International.

2008. (ed.). *Revisting Persian Sources for Indian History and Culture*. Delhi : Department of Persian, Delhi University.

Khan, A.A. *Muntakabbut Tawarikh* (Urdu translation). New Delhi : NCPUL.

Research Article in books or scholarly journals

Shekhar, C. 2008. 'A Brief Survey of Indo-Persian Lexicons and Glimpses of Technical and Cultural Elements in Mirat-ul-Istelah of Anand ram Mukhlis'. *Revisiting Persian Sources for Indian History and Culture*. Delhi : Department of Persian, Delhi University.

'Khush Nawisie Khushnawisane Maktabe Shiraz'. *Revisiting Persoan sources for Indian History and culture*. Delhi : Department of Persian, Delhi University.

Nine encyclopedic entries in the *Encyclopedia of Persian Language and Literature in sub-continent*, Tehran, Iran.

Khatoon, R. Contributed Articles for *Encyclopedia of Persian Language and Literature* (India and Pakistan), Tehran, Iran.

(i)Dai-ul-Islam Mohammad Ali, (ii) Abdul Wahid Bilgirami Shahidi, (iii) Abdul Wahid Bilgirami Zauqui, (iv) Bahrul Fazail Fi Manafeul Afazil, (v)Dastoorul Afazil Fi Lughat-ul-Fazail, (vi)Mohammad Lad Dehlavi, Farhang Nawees, (vii) Tabqat-e-Nasri, (viii) Minhaj Siraj Qazi.

Khatoon, R. 2008. 'Mohammad Adil Shah Ke Daur Ka Ek Maurrikh Fozooni Astarabadi', *Revisiting Persian Sources for Indian History and Culture*. Delhi : Department of Persian, Delhi University.

Husaini, S.B.F. 2008. 'Numayaha-e-Farhang-e-Shahan Dar Matoon-e-Tarikh-e-Farsi', *Revisiting Persian Sources for Indian History and Culture*. Delhi : Department of Persian, Delhi University.

Khan, A.A. 2008. 'Ehad-e-Wusta Ke Mutal-e-Ke Liye Akhbar-ul-Akhyar Ki Ahmiyat', *Revisiting Persian Sources for Indian History and Culture*. Delhi : Department of Persian, Delhi University.

Kumar, R. 2008. 'Ahwal Beghum Beragi Wa Khasusiyat-e-Mathnavish', *Revisiting Persian Sources for Indian History and Culture*. Delhi : Department of Persian, Delhi University.

PSYCHOLOGY

Major Activities

The research activities in the Department have focused on areas such as human cognition, management of stress, anger, anxiety and depression, neuropsychological aspects of brain damage, interventions for various psychological disorders, culture and self-construal, organizational communication, organisational socialisation, human resource development, disability studies (dyslexia, ADHD, Autism, etc.), gender studies, etc. A number of internationally distinguished visitors, Professor and eminent personalities from Scotland, France, Switzerland, USA., etc visited the Department to deliver special lectures and to interact with faculty members for research collaborations. The process of re-structuring of the M.A. course was finalised and waiting to be approved by the Academic Council.

However, for the B.A. Course effort was also made to procure books needed for the new Semester Programme. A series of meetings in this regard were held involving college teachers. A General Body Meeting involving all the college teachers and Department Faculty was held to discuss issues pertaining to the discipline of Psychology. Exhibitions of books in Psychology were held in the Department in order to recommend the latest books in Psychology for the University Library. The Counselling Centre was reinvigorated and free services were made available to the students of Delhi University and its employees. Labs were upgraded with sophisticated equipment like Bio-Pac, Treadmill, Media-Lab and Direct RT software, interactive board, etc. The Computer lab was upgraded and made available to students pursuing the post-graduate and Ph.D. programme. Some classrooms/labs were equipped with computers and LCD projectors.

Ph.D. Degrees awarded

Ph.D. - 7

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Psycho-educational interventions for parents of children with autism.	Prof. Ashum Gupta	ICSSR
Interaction of Vision, Action and Language.	Prof. Ashum Gupta	DST
Assessment of Neurocognitive status of the Elderly.	Prof. Ashum Gupta	R & D
Effectiveness of cognitive intervention on cognitive functioning, affect and self-regulatory skills: implications for defence Forces.	Prof. Ashum Gupta	LSRB, DRDO

Programmes taken up involving Inter-institutional collaboration

Brain and Spatial Cognition.	Prof. Ashum Gupta	University of Laussane, Switzerland
Depression and Yoga Practices.	Prof. Ashum Gupta	Research work with scholar from British Columbia University
Eating disorders: Cross-cultural study.	Prof. Ashum Gupta	University of Sydney, Australia

Counselling for persons with disability.	Prof. Ashum Gupta	Equal Opportunity Cell, DU
Phone-in programme: Psychological Counselling.	Prof. Ashum Gupta	DU FM 90.4
Delhi University Smoke Free (Nodal Officer).	Prof. Ashum Gupta	World Lung Foundation
Peer Review Committee, (expert member).	Prof. Ashum Gupta	Defense Institute of Physiology and Allied Sciences, DRDO, Delhi
Cognitive Science Initiative (Resource Person)	Prof. Ashum Gupta	DST
Heritage Course: Appreciating Indian Culture (Course coordinator) offered by Delhi University.	Prof. Ashum Gupta	SPIC MACAY

Honours/Distinctions

Prof. Ashum Gupta: Chairperson, Heritage Course: Appreciating Indian Culture, offered by Delhi University and SPIC MACAY, 18 September – 4 December 2008.

Co-ordinator, Psychological Counselling Centre, Department of Psychology, Delhi University, providing counselling services to University Community (till 22 December 2008).

Co-ordinator, Staff Exchange Programme between Delhi University and University of Lausanne, Switzerland, June 2008 onwards.

Prof. Anand Prakash: Elected President, National Academy of Psychology (NAOP), India, December 2008.

Associate Editor, *Psychological Studies*, official publication of NAOP and published by Springer.

Seminar/Conferences held

‘Internationalizing Psychology’, by Dr. Adrian Brock, Prof. of Psychology, University of Dublin, Scotland, 9 January 2009.

‘What is Reality’, by Dr. G.D. Damdul, Official Translator and Assistant to His Holiness the Dalai Lama, 16 February 2009.

‘What is Mind’, by Dr. G.D. Damdul, Official Translator and Assistant to His Holiness the Dalai Lama, 27 February 2009.

‘What is Self’, by Dr. G.D. Damdul, Official Translator and Assistant to his Holiness the Dalai Lama, 3 March 2009.

Seminars/Conferences attended

Prof. Anand Prakash: Presented a Paper entitled 'Emotions as Vehicles of Organizational Change: Learning from Some Indian Narratives', which was accepted for presentation in an International Conference organised by the University of Adelaide, Australia, on Work and Emotions, 27-28 November 2008.

Participated and co-facilitated the National symposium on Indian Psychology held during the National Academy of Psychology, Indian Institute of Technology, Guwahati, 14-16 December 2008.

Conducted two sessions on Transactional Analysis: A paradigm for Interpersonal communication, during the Foundation course at LBS Academy of administration, Masonries, Uttrakhand, October.

Prof. Ashum Gupta: 'Psychological Functioning at High Altitude', invited presentation at the First Congress of Asia Pacific Society for Mountain Medicine, National Agriculture Science Centre Complex, ICAR, New Delhi, 28-30 November 2008.

Nominated by the Vice Chancellor as a University delegate to attend the International Workshop on Psychometrics, Genetics, Ethics and Related Methodological Issues, India Habitat Centre, New Delhi, 19-20 March 2009.

Dr. Nandita Babu: 'Theory of Mind understanding in Narration: A study among children from different socio-economic backgrounds in India. Paper presented in the International Congress of Cross-cultural Psychology, Jaccobs University, Bremen, German, July 2008.

'Constructing an understanding of mind in a shared social world: An attempt to examine the theory of mind (ToM) perspective in developmental psychology', Paper presented in the symposium on: At the Edge of Cognition (Cognition in an Intersubjectively Shared World) in the National Convention of National Academy of Psychology, Guwahati, Assam, December 2008.

Presented a paper 'Development of Theory of Mind: The current status and future prospect', National Symposium on Human Development and Family Studies: Taking Stock and Moving Forward in the Faculty of HDFC, Baroda University, 9-11 February 2009.

Prof. Ashum Gupta: Psychological Barriers in Education, Invited lecture at NCERT, New Delhi, 19 September 2008.

Prof. Ashok Nagpal: 'Glimpses of the New in some Psychoanalytic thinkers', National Conference in Bombay on Construction of the New Object in Psychoanalysis, 15-16 August 2008.

Publications

Books

Prakash, A. *Qualitative Methods in Psychological Research: An Overview.*

Oberoi Vahali, Honey. *Lives in Exile: Exploring the Inner World of Tibetan Refugees.* Delhi : Routledge, Taylor and Francis.

Babu, N. 2008. *Learning to talk about mind: Development of mental state vocabulary and theory of mind in children.* New Delhi: Concept.

Research Articles in Books or Scholarly Journals

Gupta, A. 2008. 'Developmental dyslexia: evidence from Hindi speaking children with dyslexia', In *Perspectives on Learning Disabilities in India: Current Practices and Prospects*, (eds.) Thapa, K., Aalsvoort, M. and Pandey, J., New Delhi : Sage Publications, pp. 97-115.

Gupta, A. and Singhal, N. 2008. 'Psychosocial support for families of children with autism', In *Exploring Autism* (ed.) Pillai, M.V. Hyderabad: The ICFAI University Press, 77-105.

Babu, N. and Rath, J. 2008. 'Theory of mind, culture and children's understanding of emotions', In *Emotional Intelligence: Perspectives in Organisations*, (eds) Pradhan, R. and Mathur, P. Delhi: Academic Excellence.

Dhillon, M. and Babu, N. 2008. 'Stress in mothers and fathers of children, adolescents and adults with intellectual disability'. *Psychological Studies*, 53 (3 and 4): 309-13.

PHILOSOPHY

Major Activities

The Department organised three lectures by scholars from abroad. The lectures were sponsored by the Indian Council of Philosophical Research, New Delhi. The Department of Philosophy organised a one-day Seminar on 'Philosophy and Aesthetic Experience' to celebrate International Philosophy Day on 19 November 2008. The participants included teachers and research scholars from Jawaharlal Nehru University, Aligarh Muslim University, Ch. Charan Singh University (Meerut), Kurukshetra University, Punjab University and Lucknow University. In all, more than 100 teachers and research scholars participated in each of the above programmes. A 21, day Refresher Course on 'Language and Logic: Indian and Western' was started at the Department from 30 March 2009. It is for the first time in the history of the Department that such a course was being organised by it.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	2
M.Phil.	-	6

Programmes taken up involving Inter-institutional collaboration

A 21-day Refresher Course on 'Language and Logic: Indian and Western' was started at the Department. The course was funded by the Indian Council of Philosophical Research and Delhi University, 30 March 2009.

Honours/Distinctions

Prof. Ashok Vohra: Member of the Editorial Board of *Indian Philosophical Quarterly*, published by Pune University, Pune.

Member of the Editorial Board of *Suvidya: Journal of Philosophy and Religion*, published by Suvidya College, Bangalore.

Member of the Editorial Board of *Indian Journal of Analytic Philosophy*, published from Utkal University, Bhubaneswar.

Seminar/Conferences held

Organised International Philosophy Day on 19 November 2008. The inaugural lecture was delivered by Prof. Mrinal Miri. Dr. Kapila Vatsyayana presided over the function and delivered the presidential address in the National Seminar on 'Philosophy and Aesthetic Experience'. Dr. Deepa Nag Haksar was appointed convener of the seminar.

Organised ICPR sponsored lecture By Prof. Philip Clayton on 'Process Philosophy, Social Responsibility and the Indian Traditions', January 2009. Dr. Bindu Puri and Dr. Ajay Verma were appointed conveners of the Seminar.

Organised N.K. Sen Memorial Lecture by Prof. Arvind Sharma on 'Mahatma Gandhi and Religious Pluralism', 13 January 2009. Dr. Shashi Motilal and Dr. Pragati Sahni were appointed conveners of the Seminar.

Organised an ICPR sponsored lecture by Prof. R. Puligandla on 'Negation, Knowledge and Reality in Buddhist Logic', 27 February 2009. Dr. Ajay Verma was appointed convener of the Seminar.

Seminars/Conferences attended

Prof. Ashok Vohra: Delivered lecture on 'Nature of Philosophy' at the 'Annual Fellows of the ICPR Meet', organised by ICPR at Jawaharlal Nehru University, New Delhi, 8-10 May 2008.

Lecture on 'Religious Beliefs, Science and Explanation' delivered at the National Seminar on 'Intersecting Science, Philosophy and Religion: An Indian Perspective', held Ashirbhan, Kochi, by the Institute of Science and Religion, Aluva, 14-16 June 2008.

Delivered a series of two lectures titled 'Beliefs and Roles' and 'Excursions of the Religious Other: An Analysis', at the UGC Academic Staff College, Lucknow University, Lucknow, 26-27 September 2008.

Lecture titled 'Sankardeva's Notion of Bhakti (Love)' in the National Seminar on 'The Philosophy of Mahapurusha Srimanta Sankardeva and other Saint poets of Medieval India' organised by Srimanta Sankardeva Education and Socio-economic Development Trust, Srimanta Sankardeva Sangha, Assam, and the Department of MIL and LS, Delhi University, 14-15 November 2008.

Lecture titled 'Traditional Indian Humanism in Comparative Perspective' in International Conference on 'Humanism in the Era of Globalisation – Indian Insights', organised by the Institute for Advanced Study in Humanities, Essen, and held at Goethe-Institut/Max Mueller Bhavan, Kolkata, 21-23 November 2008.

Lecture titled 'Sukrat aur Darshanik Chintan' at the National Seminar on 'Philosophy Today', B.N. Mandal University, Madhepura (Bihar), 6-7 December 2008, to celebrate International Philosophy Day, 2008.

Lecture titled 'Knowledge, Wisdom and Eco-Ethics' at the National Seminar on 'The Need for Environmental Ethics', Andhra University, Vishakhapatnam, 16-18 December 2008.

Lecture titled 'Comments on Philip Clayton's 'The Phenomenology of Social Events: Globalisation and Interrelatedness' in the International Conference on 'Phenomenology, Globalisation and Indian Philosophy', organised by the Centre for Advanced Research in Phenomenology Inc, USA (CARP) and the Indian Council of Philosophical Research (ICPR) at India International Centre, New Delhi, 5-8 January 2009.

Lecture titled 'Varieties of Rationality' in the National Two-Day Round Table Conference on 'Need to Redefine Philosophy and Interpret its Indian/Oriental and Western Concepts' at the World Peace Centre, Maharashtra Institute of Technology, Pune, 30-31 January 2009.

Delivered the Valedictory address titled 'Man and Nature' at the National Seminar on 'The Freedom of Man and His Attitude Towards Environment: Contemporary Challenges and Moral Strategies', H.N. Bahuguna Garhwal University, Srinagar, Garhwal, 12-15 February 2009.

Chaired session titled 'Traditional Indian Humanism II: Pre-Colonial Time' in the International Conference on 'Humanism in the Era of Globalisation – Indian Insights', Goethe-Institut/Max Mueller Bhavan, Kolkata, 21-23 November 2008.

Chaired the first academic session of the National Seminar on 'The Philosophy of DD Bandishte', Rani Durgawati Vishwavidyalaya, Jabalpur, 3-4 December.

Chaired the first session of the National Seminar on 'Philosophy Today', B.N. Mandal University, Madhepura (Bihar), 6-7 December 2008 to celebrate International Philosophy Day.

Chaired the first session of the National Seminar on 'The Need for Environmental Ethics', Andhra University, Vishakhapatnam, 16-18 December 2008.

Chaired the Vth Plenary Session of the International Conference on 'Phenomenology, Globalisation and Indian Philosophy', organised by the Centre for Advanced Research in Phenomenology Inc, USA (CARP) and Indian Council of Philosophical Research (ICPR), India International Centre, New Delhi, 5-8 January 2009.

Chaired the first session: Religion and Civilisational Dialogue (Problematics), 18 January 2009, in the global Congress on World's Religions After September 11 – Asian Perspective, organised by the Centre for the Study of Comparative Religions and Civilizations, Jamia Millia Islamia, and Faculty of Religious Studies, McGill University, Canada, at Jamia Millia Islamia, New Delhi, 17-19 January 2009.

Chaired the VIIth Technical Session of the National Seminar on 'The Freedom of Man and His Attitude Towards Environment: Contemporary Challenges and Moral Strategies', H.N. Bahuguna Garhwal University, Srinagar, Garhwal, 12-15 February 2009.

Prof. Vibha Chaturvedi: Presented a paper on 'Women in India: Problems and Prospects', Invited speaker at three-day International Conference organised by IAPH at Seoul, Korea, 29 July 2008.

Organised and participated in a two-day National Seminar on 'Disability and Gender' at Delhi University, organised in collaboration with CWDS, New Delhi, 21 August 2008.

Participated in a National Seminar on Prevention of Sexual Harassment, at Mysore, organised by the Institute of Public Administration Bangalore.

Collaborated in organizing and participated in an International Seminar on Hind Swaraj at DU, organised by Gandhi Bhawan, Delhi University.

Collaborated with Ministry of Panchayati Raj, GOI, in organising a National Seminar on Elected Representatives in Panchayati Raj Institutions, New Delhi, and participated in it, 2-3 March 2009.

Organised and participated in an International Seminar on Mainstreaming Women in Work and Political Processes at WSDC, Delhi University, 5-7 November 2008.

Dr. Shashi Motilal: Presented a paper on 'Animal Welfare and Animal Rights: An Ethical Perspective', in the National Conference on Ethical Use of Animals in Research and Education', organised by CPCSEA, Ministry of Environment and Forests, Govt. of India, 20 January 2009.

Dr. Bindu Puri: Invited by the Department of Philosophy, University of Hyderabad, to a National Seminar on, 'The moral and political philosophy of Mahatma Gandhi. This was held from 2-4 October 2008. Presented a paper entitled, 'Gandhi and Women, An alternative understanding'.

Invited as a participant to the International Conference on Phenomenology, Globalization and Indian Philosophy, India International Centre. This was organised by the Indian Council of Philosophical Research and the Center for Advanced Research in Phenomenology inc., USA, 5-8 January 2009.

Invited by the Department of Philosophy, University of Chandigarh, to a National Seminar on, Globalization and cultural identities, Philosophical challenges and opportunities, from 16-18 February 2009. Presented a paper on 16 February entitled, 'Globalization and the Moral life'.

Invited to a National Workshop on National integration and Identity Violence, at Shillong. The National Workshop was organised between 20-23 March 2009 by jointly the Indian Institute of Advanced Study and Indian Council of Philosophical Research, at NEHU, Shillong. Presented a paper entitled, 'Gandhi and the Indian Nation, construction of the non-violent Praja/nation'.

Invited to give a lecture at the orientation course, at the Academic Staff College, Jawaharlal Nehru University, 24 February 2009. The lecture was on 'The Moral Philosophy of Immanuel Kant'.

Part of the steering committee for the three-day International Seminar on Hind Swaraj, 100 years and after, organised by the Gandhi Bhavan, Delhi University, 11-12 and 13 February 2009.

Dr. Ajay Verma: Invited a Discussant to the International Conference on Phenomenology, Globalization and Indian philosophy, at India International Centre, 5-8 January 2009. The Conference was organised by the Indian Council of Philosophical Research and the Center for Advanced Research in Phenomenology Inc., USA.

Dr. Pragati Sahni: Presented a paper at a Pan Asian Conference on Science, Technology, and Values in the Development of Asian Societies, entitled 'Genetically Modified (GM) Crops: Reflections on Central Issues, Indian Perspectives and Ethical Responses from Early Buddhism and the Bhagavadgita', at the National University of Singapore, 27-29 July 2008.

Publications

Vohra, A. 2009. 'Lessons from Hinduism for the World Religions After 9/11', *The Interfaith Dimension*, Volume 3, *The World's Religions After September 11*, Four Volumes, Westcourt: Praeger Publishers, pp. 99-108.

2009. 'Philosopher in Classic Sense', Review of *The Philosophy of Dr. B.R. Ambedkar*, (ed.) Pradeep Gokhale. Pune : Sugarva Prakashan and Indian Philosophical Quarterly Publications, University of Pune. *The Tribune*, 4 January 2009.

2008. 'Where No Question is Regarded Irrelevant', *The Times of India*.

'Language Cannot Convey Spiritual Experience', *The Times of India*, 8 September 2008.

2008. 'Whose India is This Anyway?', Review of *Superstar India: From Incredible to Unstoppable* by Shobha Dé, New Delhi, Penguin, *The Pioneer*, 24 August 2008.

Vohra, A. 2008. 'Head vs the Heart', Review of *Emotion: The Essence of Life – An Evolutionary Explanation* by Kuldip Kumar Dhiman, Unistar, *The Tribune*, 13 April 2008.

Puri, B. 2009. 'History, Time and the construction of the non-violent Praja/nation: A Gandhian Intervention', paper invited by *Man and Society*, Journal of The Indian Council of Social Science Research, North Eastern Regional Centre, Shillong, Meghalaya.

Verma, A. 2008. A research paper titled 'Envisaging the Possibility of Ethics in the Postmodernist Lifeworld', published in *The Philosophical Quarterly*, India, November 2008.

Book

Sahni, P. 2008. *Environmental Ethics in Buddhism: A Virtues Approach*, London and New York: Routledge.

PHILOSOPHY (SDC)

Major Activities

The Department of Philosophy, South Campus and Jesus and Mary College jointly with, the Federation of Indo-German Societies in India hosted a Symposium on 30 January 2009 on the theme 'Technology and Modality - A somewhat different look Technology'. The Speakers included the distinguished German philosopher Prof. Dr. Hans Poser, Emeritus Prof. for Philosophy, Institute of Philosophy, Technical University Berlin; H.E. Mr. Christian Schlaga; Federal Republic of Germany; Prof. G.L. Pandit, Delhi University, South Campus and H.E. Satinder K. Lambah, President of FIGS.

Seminar/Conference attended

Prof. G.L. Pandit: Delivered a series of invited lectures on interdisciplinary themes in the field of Philosophy of Environment and Science, University of Heidelberg, Germany, as part of a week-long programme of lectures at the beginning of the Summer Semester, 23-27 March 2009.

Publication

Pandit, G.L. 2009. 'Ethics in Public Domain: Biomedical Research and Beyond', in Srivastava, A. and Roy, I. (eds), *Bio-Nano-Geo Sciences : The Future Challenge*, Humboldt-Kolleg-Palampur (India). New Delhi/Chennai/Mumbai, Anne Books, pp. 187-208.

PUNJABI

Major Activities

The Department of Punjabi, responsible for conducting courses for the students of M.A., M.Phil., Ph.D., Certificate and Diploma programmes, organised five successful literary events— an International Seminar, special lectures under Parvasi Punjabi Sahit lecture-n-series and a memorial lecture during 2008-09. While staying committed to research-oriented studies, the faculty members actively participated in seminars/conferences/lectures/refresher courses organised by other academic and literary institutions like Gut Nanak Dev University, Amritsar; Kurukshetra University, Kurukshetra (Haryana); Jammu University, Jammu (J&K); Punjabi University, Patiala; Punjab University, Chandigarh; and Punjabi Academy, Delhi.

The Department also conducted marathon workshops with Punjabi teachers of the University in its ongoing efforts to debate and re-structure the Punjabi Syllabi with the purpose of ensuring open dialogue between the Department and the Colleges.

The details of major activities and achievements during the period 1 April 2008 to 31 March 2009 are mentioned below:

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	1
M.Phil.	-	3

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
'Ishwar Chittarkar Da Rachna-Sansar'.	Dr. Manjit Singh	Punjabi Academy, Delhi (Govt. of Delhi, N.C.T.)
'Monograph on world known Semiotician and Feminist thinker Julia Kristeva'.	Dr. Manjit Singh	Punjabi University Patiala, Punjab
'Adhunik Punjabi Kavita: Virachnatmak Padat'.	Dr. Kulvir Gojra	Delhi University,

Appointment of faculty members to higher Posts/Assignments

Dr. Manjit Singh : Acted as member of the Governing Council of Punjabi Academy.

Continued as President of Kendri Punjabi Sahit Samelon, Delhi (regd.), a premier organisation of Punjabi intellectuals, literary and cultural groups of Delhi, Punjab and Haryana.

Nominated for the post of Secretary, World Punjabi Conference, a literary and cultural organisation, fully committed to the promotion of Punjabi language, literature and culture at the International level by organising International Conferences.

Prof. Kuljit Shellie: Member, Governing Council of the Punjabi Academy, Delhi.

Chairperson of Education matters of the International Council of Punjabi, Delhi.

Honours/Distinctions

Dr. Jaspal Kaur's book *Paath/Samvaad/Sirjana* published by Shilalekh, Delhi declared and was, awarded the best book of 2006 by the Punjabi Academy, Delhi.

Seminars/Conferences held

The Department organised a two-day International Seminar on 'Adhunik Punjabi Sahit: Paar Rashtri Samvad' on 15-16 January 2009 in which twenty-one prominent literary thinkers from India and abroad actively participated, presented their research-papers and expressed their views on the theme of the Seminar. Eminent scholars from Punjabi University, Patiala; Punjab University, Chandigarh; Kurukshetra University, Kurukshetra; Guru Nanak Dev University, Amritsar; Jammu University, Jammu; and three Faculty members of our Department presented their research papers on the subject. Keynote address was delivered by eminent Punjabi scholar Prof. Satinder Singh Noor, which was presided over by Satinder Singh, former P.V.C of Guru Nanak Dev University, Amritsar.

Shri Darshan Dheer, UK-based eminent Punjabi fiction writer, addressed our students and faculty members on 21 January 2009 under the Parvasi Punjabi Sahit lecture series.

The Department organised the Prof. Harbhajan Singh memorial lecture on 6 February 2009 on the subject 'Literature and History'. Eminent thinker Prof. Bhagwan Josh from J.N.U delivered the lecture, which was presided over by Prof. Namvar Singh, an eminent critic of Hindi literature.

A face-to-face programme with Ms. Veena Verma, an eminent feminist fiction writer from UK addressed our students and faculty members on 23 February 2009. Besides faculty members and students of the department, several research scholars and teachers also participated.

The Department, in collaboration with the Urdu Department of our University, organised a one-day Seminar on the subject 'Opportunities for Punjabi and Urdu language students' in the New Conference Hall of the University, 5 March 2009. The Seminar was sponsored by the Minority Commission of the Govt. of Delhi. All Faculty members of the Punjabi Department and Urdu Department, media persons, Secretary of the Punjabi Academy, Delhi, and office bearers of the Minority Commission addressed a huge gathering in this regard.

Seminars/Conferences attended

Dr. Manjit Singh: Presented a paper entitled 'Shabad Sameekhya: Ik Alochnatmak Adhyan' in a Seminar on literary books authored by Mrs. Arkamal Kaur, an eminent Punjabi poetess and a literary critic, organised by Sahitya Kendra, Punjab Bhawan, Copernicus Marg, New Delhi, 22 September 2008.

Presented a research paper entitled 'Punjabi Safarnama Sahit: Paar-Rashtri Samvad', in an International Seminar on 'Adhunik Punjabi Sahit: Paar-rashtri Samvad', organised by the Punjabi Department, Delhi University, 15-16 January 2009.

Presented a research paper entitled 'Sat Guru Ram Singh te Kuka Laher: Ik Dastaveji Pustak' in a Seminar organised by Punjabi Vikas Manch, Delhi, in collaboration with Punjabi Academy, Delhi, on the Prose and History books authored by Shri Tara Singh Anjann at Punjabi Bhawan, New Delhi, 6 December 2008.

Contributed a research paper entitled 'Sabhiachar, Sabhiachar-vigian te Punjabi Sabhiachar' for 'Punjabi Sabhiachar Vishesh Ank' of *Alochna* a research journal of Punjabi Sahit Academy, Ludhiana (Punjab), February 2009.

Presented a research paper entitled 'Prof. Puran Singh Da Poorabvadi Parvachan' in a National level Commemorative Function and Seminar to celebrate the 128th birth anniversary of Prof. Puran Singh - The Pride of Punjabi, a poet, yogi and philosopher, organised by the Prof. Puran Singh Trust in collaboration with Punjabi Academy, Delhi.

Presented a research paper entitled 'Gurbani di Samvad-vidhi' in a National Seminar on 'Universal Message of Guru Granth Sahib', organised by Guru Nanak Studies Centre of Shyama Prasad Mukherji College, Delhi University, established by UGC under the programme 'Epoch making social thinkers of India', 26-27 February 2009.

Contributed a research paper entitled 'Guru Granth sahib Vich Manvi Sarokar', National Seminar on 'Sri Guru Granth Sahib De Samajak-Sabhiacharak Sarokar', organised by Dasmesh Khalsa College, Muktasar, sponsored by UGC, 24-25 March 2009.

Resource person and contributed a research paper at a National Seminar on 'Ajoka Punjab Sahit: Sarokar ate Sandarbh', organised by Department of Punjabi, Dyal Singh College, Delhi University, in collaboration with UGC, 18-19 March 2009.

Prof. Kuljit Shellie: Presented a paper entitled 'Celebration of Female Image in Sufism', International Conference on the Resurgence of Sufism at Gujarat University, Gujarat, 20-22 July 2008.

Presented a paper entitled 'Videshi Naari Kahani', International Seminar on 'Adhunik Punjabi Sahit: International Dialogue', organised by the Department of Punjabi, Delhi University, 15-16 January 2009.

Presented a paper at the V Annual National Seminar on Social Work Response to HIV AIDS organised by IGNOU. The theme was, 'Involvement of faith based organization in Social Work and HIV/AIDS with special reference to Sikhism', 28-31 August 2008.

Presented a paper on 'Feminism and Sufism' at the Annual Seminar on Sheikh Baba Farid, organised by Sheikh Farid Memorial Society, Faridkot, 20 September 2008.

Presented a paper at Hazoor Sahib, Nanded, Maharashtra, on the Contemporary Relevance of Interfaith Dialogue between the Bhakts in Adi Granth, October 2008.

Presented a paper at Jammu University under its special lecture series, 'The female motif in Sikh Philosophy', organised by the Department of Punjabi, 17 December 2008.

Presented paper as a resource person, National Seminar on 'Ajoka Punjab Sahit: Sarokar ate Sandarbh', organised by the Department of Punjabi, Dyal Singh College, Delhi University, in collaboration with UGC, 18-19 March 2009.

Presented a paper at the National Seminar on 'Celebration Tercentenary of Gurta Gaddi of Sri Guru Granth Sahib' on the topic 'Sri Guru Granth Sahib: A Unique Scripture', Mata Sundri College for Women, Delhi University, 17 February 2009.

Presented a paper at a National Seminar on Universal message of Guru Granth Sahib, organised by UGC and Guru Nanak Studies Centre, Shyama Prasad Mukherji College, Delhi University, 26-27 February 2009.

Dr. Jaspal Kaur: Presented paper on 'Parvasi Punjabi Kavita: Paar Rashtri Samvaad', International Seminar organised by the Department of Punjabi, Delhi University, 15-16 January 2009.

Dr. Kulvir Gojra: Presented a research paper entitled 'Sudhar Ghar Jel te Kanoon Parbandh de Andarle Bigadan da Birtant' at a National Seminar on 'Punjabi Galap: Sidhant te Samikhiya' Department of Punjabi, Dyal Singh College, 10 December 2008.

Presented a research paper entitled 'Parvasi Punjabi Kavita: Naari Sarokaar te hungara' in National Seminar on 'Punjabi Diaspora: Adhyan te Adhyapan', organised by the Department of Punjabi, Punjabi University, Patiala, 12-13 March 2009.

Publications

Shellie, K. 2008. "Punjabi women writers-circa 1850 AD to 2000 AD", in Bhartiya Bhashstil Siree Sahityacha Magewa, Part of project ' contributions of Indian women writers in Indian Languages, Pune : Sahitya Premi Bhagini Mandals, pp. 70.

SANSKRIT

Major Activities

The Department organised the Prof. N.N. Choudhary Memorial Lecture on 5 February 2009. Prof. Rewa Prasad Dwivedi, an eminent Sanskrit poet and scholar delivered his lecture on भारतीय काव्य शास्त्र की नवीन उपलब्धियाँ Prof. Baldev Raj Sharma presided over the function and Prof. S.K.Tandon, Pro-Vice-Chancellor, Delhi University, graced the occasion as Chief Guest. The function was an overwhelming success.

The Department geared up to switch over to the semester system and accordingly prepared a well-defined comprehensive syllabus.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	15
M.Phil.	-	39

New Addition

Sh. Tek Chand Meena - Assistant Professor

Honours/Distinctions

Dr. Shakuntala Punjani: Appointed a judge in the Sanskrit Debate Competition in Sanskrit in Delhi Govt. Higher Secondary School in Punjabi Bagh, organised by the Delhi Sanskrit Academy in September 2008.

Seminars/Conferences attended

Dr. Mithilesh Chaturvedi: Presented a paper titled 'Bhartrhari': Man and his work in Historical and Philosophical Perspective', National Seminar on Vakyapadiya organised by Indira Gandhi National Centre for the Arts, Varanasi, 20-23 January 2009.

Dr. Shakuntala Punjani: Presented a paper titled 'A Journey from Visayananda to Brahmananda', All India Oriental Conference, Kurukshetra, 28-30 July 2008.

Attended Annual Conference of Waves on Harappan Civilization, 24 December 2008.

Dr. Satyamurti: Attended 'Love Sacred or Kalidasa's View, All India Oriental Conference, Kurukshetra University, Kurukshetra.

Publications

Chaturvedi, M. 2009. (ed.) *Bhartrhari: Language, Thought and Reality*, Delhi: Motilal Banarsidass.

Paper

2009. "Does Language Map the Reality, Bhartrhari's view", in *Bhartrhari: Language, Thought and Reality* (ed.) Chaturvedi, M. Delhi: Motilal Banarsidass, pp. 205-13,

URDU

Major Activities

The Department of Urdu was established in 1959. Since its inception, the Department has assumed a character, a personality of its own which still remains. In the 50 years of its existence it has become not only a major Department of the University, but commands respect as a pioneer Department of Urdu in the country. Students who have already obtained Ph.D. degrees from this Department are teaching in various Universities of the country.

The Department will celebrate its Golden Jubilee year in 2009-10. Seminars in Symposia, International Seminars and mushairas will be organised by the Department.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	5
M.Phil	-	7

Honour/Distinction

Dr. Irteza Karim: Awarded 'Bal Sahitya Samman', Sukhrani Foundation, UP.

Seminars/Conferences held

National Seminar 'Prof. Abdul Aleem', in collaboration with Sir Syed Foundation, New Delhi, 16-17 December 2008.

Annual Nizam Urdu Lecture on 'Judicial Activism and Indian Democracy', delivered by Justice A.M. Ahmadi, former Chief Justice and Chancellor of JNU, 23 March 2009.

Annual Ghalib Memorial lecture delivered by Prof. Namvar Singh, 31 March 2009.

Publications

Karim, I. 2008. *Rasheed Jahan*: a monograph.

2008. *Mir Nasir Ali Dehalvi*: a monograph.

Khan, T.A. 2008. *Jahan-e-Iqbal*.

FACULTY OF SCIENCE

ANTHROPOLOGY

Major Activities

The Department of Anthropology was sanctioned FIST by the Department of Science and Technology (DST) to strengthen the existing infrastructural facilities for teaching and research in its various branches. The Department has completed successfully the second year of SAP (Special Assistance Programme) sanctioned by UGC. A one-time grant of Rs. 88 lakh was given to develop the infrastructure and upgrade the laboratories with focus on Molecular Anthropology.

The Department has always been conscious of maintaining high academic standards. In this endeavour, the M.Sc. Anthropology syllabus was revised according to the semester system which is likely to be introduced soon. A substantial grant was received for the renovation of the Department building. A number of students have received scholarships from various renowned funding agencies such as University Grants Commission, Department of Science and Technology, Indian Council of Medical Research, etc.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	9
M.Phil.	-	10

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
'Obesity and related metabolic syndrome among urban women: An increasing health risk'.	Prof. Satwanti Kapoor	DU

'Prevalence and covariates of overweight/obesity among children and adults in urban population of North India and to establish anthropometric indices for general and regional obesity'.	Prof. Satwanti Kapoor	UGC
'Genomic heterogeneity among the tribes of southern Gujarat'.	Dr. G.K. Kshatriya	DBT
'Genetic variation in the tribal populations of western India'.	Dr. G.K. Kshatriya	DU
'Prevalence and Molecular Characterization of Beta-Thalassemia in some Punjabi Communities of Delhi'.	Dr. K.N. Saraswathy	DU
'A study on ACE, LDL, MTHFR and APOE gene polymorphism among the Lotha Nagas of Nagaland'.	Dr. B. Murry	DU
'Molecular screening of Glucose-6-Phosphate Dehydrogenase Deficiency and Thalassaemia among the Meitei Brahmins and Meitei Muslims of Manipur'.	Dr. B. Murry	UGC
'Evaluation of impact of conservation cum development programme for the Bharia, a PTG of Patakot area of Madhya Pradesh'.	Dr. R.P. Mitra	MP Government

Programmes taken up involving Inter-institutional Collaboration

Prof. P.C. Joshi's collaboration with the Department of Social Medicine, Oxford University, UK. – Dr. H.S. Lambert visited the Department of Anthropology to collaborate with Prof. P.C. Joshi under the aegis of ICSSR-ESRC (UK) bilateral collaborative programme.

Prof. P.C. Joshi's collaboration with Asian Disaster Reduction Centre (International Recovery Platform), Kobe, Japan.

Dr. Yoshihiro Imai and Dr. Kiyoshi Kayashima visited the Department of Anthropology and discussed collaboration on the forthcoming study on Recovery Status of Gujarat after earthquake.

Prof. P.C. Joshi's collaboration with Global Forum for Disaster Reduction, Mumbai – Mr. Anil K. Sinha of GFDR visited the Department of Anthropology to discuss collaboration on researches of mutual interest with Prof. P.C. Joshi.

Prof. P.C. Joshi's collaboration with Saarc Disaster Management Centre – Prof. P.C. Joshi collaborated with SDMC in the study on Indigenous Knowledge in Disaster Risk Reduction and Research Methodology for Indigenous Knowledge.

Appointment of faculty member to higher posts/assignments

Prof. P.C. Joshi: Member, Ethics Committee, Institute of Human Behaviour and Allied Sciences, Delhi-110095, August 2008-July 2011.

Member, Advisory Committee, WHO Multicentric Anti Microbial Use and Resistance Project, Delhi Society for Promotion of Rational Use of Drugs, October 2008 onwards.

Honours/Distinctions

Prof. P.C. Joshi: Awarded Plaque of Appreciation from the Department of Sociology and Anthropology, Xavier University – Ateneo de Cagayan, Cagayan de Oro City, the Philippines, 17 April 2008.

Invited to deliver plenary lecture in EU-India Higher Educational Symposium, New Delhi, 12 November 2008.

Re-nominated Asia Coordinator, European Union 6th Framework Microdis Integrated Project for 2009-2010.

Delivered Opening Speech in the Annual Meet of Microdis Integrated Project, Integrated Health, Social and Economic Impacts of Extreme Events: Evidence, Methods and Tools, Brussels, Belgium, 25-27 February 2009.

Dr. M.K. Singh: Elected Council Member of the World Archaeological Congress for 4 years.

Elected Editorial board member of the International Journal *ARCHAEOLOGIES* for 4 years.

Elected Junior Representative of the South Asia for 4 years.

Seminars/Conferences held

Paradigms in New Anthropology Genomic Diversity, Disease, Obesity and Health, 22-24 December 2008.

Rethinking New Paradigms in Anthropology, 26-28 December 2008.

Seminars/Conferences attended

Prof. P.C. Joshi: Visited Hanoi, Vietnam, as International Expert to deliver lectures in Hanoi School of Public Health on Participatory and Qualitative Research methods, 19-23 May 2008.

Visited Pyeongtaek, Korea, representing India, to participate in the Asian Youth Leaders Forum 2008, 23-26 October 2008.

Visited Healthnet TPO, Amsterdam, The Netherlands, for consultations with regard to the Microdis project, Delhi University, 8-9 December 2008.

Visited Poznan, Poland, and participated in the United Nations Framework Climate Change Conference (COP 14) as a delegate of the European Union and presented a paper entitled 'Health Impacts of Floods and Windstorms: The Microdis Experience in Asia' in the EU side event, 3-7 December 2008.

Prof. M.P. Sachdeva: Attended International Symposium on 'Ethics, Culture and Population Genomics' and 34th Annual Conference of the Indian Society of Human Genetics, New Delhi, 17-20 March 2009.

Dr. M.K. Singh: Participated in International Conference Sixth World Archaeological Congress, at Dublin, Ireland, 29 June – 4 July 2008 and organised a session entitled 'The Earliest Hominids in Eurasia: An Appraisal' and also presented a paper on same topic.

Dr. K.N. Saraswathy: Attended International Symposium on 'Ethics, Culture and Population Genomics' and 34th Annual Conference of the Indian Society of Human Genetics, New Delhi, 17-20 March 2009.

Attended HUGO's 13th Human Genome Meeting in Hyderabad, 27-30 September 2008.

Publications

Books

Joshi, P.C. 2008. *Impact of Economy, Culture and Environment on Health Status of Meitei Women in Manipur.* Project report ICSSR, New Delhi :ICSSR.

2009. Working Paper Series, Microdis. Delhi : Department of Anthropology, Delhi University.

Srivastava, V.K. 2008. *I Raika, Allevatori di Cammelli del Rajasthan.* Rome: Edizioni Progetto Cultura. [With Umberto Mondini, in Italian].

2009. *Social Anthropology in Eastern India*, Edited with Sachchidananda, Wrote its Introduction. New Delhi: Serials Publications, pp. 9-20.

Srivastava, V.K. and Joshi, P.C. 2008. *Society and Culture in Junga of Himachal Pradesh* UGC SAP report Delhi : Department of Anthropology.

2008. *Biocultural Diversity of Kiyana: A village in Himachal Pradesh*, Delhi : UGC SAP report, Delhi: Department of Anthropology.

2009. *Obesity: A multidimensional approach to contemporary global issue*, (eds) Sinha, R. and Kapoor, S. Delhi: Dhanraj Publishers (under publication).

Research Articles in Books or Scholarly Journals

Basu, S., Kumar, A., Sachdeva, M.P., Saraswathy, K.N. 2008. 'Incidence of NESTROFT-Positives and Haemoglobin S among the Jats and Brahmins of Sampla, Haryana'. *The Anthropologist*, 10(3): 203-5.

Bhavna and Nath, S. 2009. 'Use of lower Limb Measurements in Reconstructing stature among Shia Muslims'. *The Internet Journal of Biological Anthropology*, 2: 1-18.

Dasgupta, S. and Saraswathy, K.N. 2008. 'Haptoglobin polymorphism among the Warlis of Dadra and Nagar Haveli'. *The Anthropologist*, 10(4): 315-6.

Gauniyal, M., Chahal, S.M.S. and Kshatriya, G.K. 2008. 'Genetic Affinities of the Siddis of South India: An Emigrant population of East Africa'. *Human Biology*, 80(3): 251-70.

Gupta, V., Khadgawat, R., Saraswathy, K.N., Sachdeva, M.P. and Kalla, A.K. 2008. 'Emergence of TCF7L2 as a Most Promising Gene in Predisposition of Diabetes Type II'. *International Journal of Human Genetics*, 8 (1-2): 199-215.

Gupta, V., Khadgawat, R., Saraswathy, K.N. and Sachdeva, M.P. 2008. 'Submicroscopic structural variations: A de novo tool for molecular anthropogenetics'. *Current Science*, 95(40):25.

Joshi, P.C. 2008. 'Culture and Risk: Socio-cultural Settings that Influence Risk from Natural Hazards. (Contributor in Kenneth Hewitt). International Centre for Integrated Mountain Development. Kathmandu, Nepal: ICIMOD.

2008. 'Indigenous Knowledge for Disaster Risk Reduction in South Asia' (contributor in PG Dhar Chakrabarti et. al.). Saarc Disaster Management Centre, New Delhi.

2008. 'Medical Anthropology and Psychiatry: Areas of common concern in Indian context'. Proceeding of the XVIth Conference of Indian Association of Social Psychiatry, AIIMS, New Delhi, p.59.

Joshi, P.C. and Khattri, P. 2008. 'Traditional Medical system of the Bhils: Characteristics, Function and Change'. In *Bio-Social Health Issues*, (ed.) Pathak, R.K., Sinha, A.K., Vasishat, R.N., Banerjee, B.G. and Edwin, C.J., New Delhi: Northern Book Centre, pp. 471-86.

Joshi, P.C., Khattri, P. and Singh, M.M. 2009. 'Social Impacts of Natural Disasters'. Microdis Working Papers Series. Delhi, pp. 29-41.

2009. 'Social Impacts of Extreme Events: Conceptual Framework'. Microdis Working Papers Series. Delhi, pp. 6-13.

- Kapoor, S., Tyagi, R., Saluja, K., Chaturvedi, A. and Kapoor, A.K. 2009.** 'Nutritional profile and socio-economic status of Saharia, a primitive tribe of India'. *The Open Anthropology Journal* (Bentham Open).
- Kapoor, A.K., Tyagi, R., Kapoor, S. 2009.** 'Nutritional Status and Cardio- Respiratory Functions among Adult Raji Males, a Hunter and Gatherer Tribe of Indian Himalayas'. *Anthropological Science*, 117: 1-7.
- Kharyal, A. and Nath, S. 2008.** 'Estimation of stature from Maxillo-Facial Measurements among Brahmins of Himachal Pradesh'. *Indian Journal of Forensic Odontology*, 1: 13-6.
- Khattari, P., Joshi, P.C., Minakshi and Guha-Sapir, D. 2009.** 'Importance of Past Memories in disaster Research'. Microdis Working Papers Series. Delhi, pp. 42-7.
- Khattari, P., Joshi, P.C., Minakshi, Singh, M.M. and Guha-Sapir, D. 2009.** 'Projections of Disaster: Investigations into Visual and Textual Images of floods in Badaun, UP', Microdis Working Papers Series. Delhi, pp. 60-7.
- Kiranmala, N., Sinha, E., Kaur, H. and Saraswathy, K.N. 2008.** 'Surname repetition in three population groups of Andhra Pradesh: Kolam, Koya and Kuruma'. *The Anthropologist*, 10(4): 297.
- Kshatriya, G.K. and Ghosh, A. 2008.** 'Undernutrition among the tribal children in India: Tribes of Coastal, Himalayan and Desert Ecology'. *Anthrop. Anz*, 66(3): 355-63.
- Minakshi, Joshi, P.C., Kaushal, S., Khattari, P. and Guha-Sapir, D. 2009.** 'Disaster and domestic Violence: The Alcohol connection'. Microdis Working Papers Series. Delhi, pp. 68-77.
- Minakshi, Joshi, P.C., Khattari, P. and Guha-Sapir, D. 2009.** 'Emerging Issues in Violence against Women in Post Disaster Context'. Microdis Working Papers Series. Delhi, pp. 48-59.
- Rai, B., Dhattarwal, S.K., Anand, S.C. and Nath, S. 2008.** 'Three Physiological changes in Teeth and Age Estimation'. *South Asian Anthropologist*. 8: 149-51.
- Samtani, R., Mondal, P.R. and Saraswathy, K.N. 2008.** 'Glucose-6-Phosphate Dehydrogenase Deficiency and Sickle Cell Hemoglobin among the Warli Tribe of Dadra and Nagar Haveli'. *The Anthropologist*, 10(4): 301-303.
- Saraswathy, K.N. and Sachdeva, M.P. 2008.** 'G6PD Deficiency, Sickle Cell Trait, haptoglobin and Tranferrin Polymorphisms among Koyadoras and Nayakpods of Andhra Pradesh'. *The Anthropologist*, 10(2): 163-165.
- Saraswathy, K.N., Mukhopadhyay, R., Shukla, D., Kaur, H., Sachdeva, M.P., Rao, A.P., Saksena, D. and Kalla, A.K. 2008.** 'Haplotype diversity and Linkage Disequilibrium at DRD2 locus-A study on four populations groups of Andhra Pradesh, India'. *Genetic Testing*, 12.

- Saraswathy, K.N., Mukhopadhyay, R., Sinha, E., Aggarwal, S., Sachdeva, M.P. and Kalla, A.K. 2008.** 'MTHFR C677T Polymorphisms among the Ahirs and Jats of Haryana (India)'. *American Journal of Human Biology*, 20: 116-7.
- Saraswathy, K.N., Sachdeva, M.P., Mukhopadhyay, R., Shukla, D., Rao, A.P., Devi, N.K., Rawat, S. and Kalla, A.K. 2008.** 'Diversified genomic contribution among south Indian populations - a study on four endogamous groups of Andhra Pradesh'. *Annals of Human Biology*, 35(5): 497-506.
- Srivastava, V.K. 2008.** 'Anthropology in India: Some Comments'. In *Societies and Cultures in India, Tradition and Modernity: Persistence and Change* (Volume II), Non-Tribal Issues, Commemorative Volume of Prof. P.K. Bhowmick, (eds) Haldar, A.K. and Bhowmick, P.K. Kolkata.
2008. 'Concept of 'Tribe' in the Draft National Tribal Policy'. *Economic and Political Weekly*, XLIII(50): 29-35.
2008. 'My Association with The Eastern Anthropologist'. *The Eastern Anthropologist*, 61(1): 149-50.
2008. 'National Integration'. In *Indian Tribes and the Mainstream* (eds) Chaudhury, S.K. and Patnaik, S.M. Lucknow and Jaipur: Ethnographic and Folk Culture Society, and Rawat Publications, pp. 77-104.
2008. 'On Tribal Economy and Society'. *The Eastern Anthropologist*, 61(4): 533-48.
2008. 'Tribal India Today: A Note on the Subject, People and Methods'. *Journal of Social Sciences*, 10(1): 66-79. Also published in *Social Science Probings*, 20(2): 149-61.
2008. 'Writing up Qualitative Research'. In *Social Research Methodologies in Action*, Volume II (Strategies of Development Research), (eds) Anirudh Prasad, Mukherjee, R. and Ekka, B.A., Ranchi, Jharkhanda, Xavier Institute of Social Service, pp. 469-86.
2009. 'On Renunciation, Alternative Society, and Sociology: An Essay Commemorating the Work of Prof. Narendra K. Singhi'. *Social Change*, 39(1): 102-17.
- Srivastava, V.K. 2009.** 'The Future of Anthropology'. In *Social Anthropology in Eastern India*. (eds) Sachchidananda and Srivastava, V.K. New Delhi: Serials Publications, pp. 1-27.
- Tungdim, M.G. and Kapoor, S. 2008.** 'Tuberculosis treatment and nutritional status among the tribals of northeast India'. *Acta Biologica Szegediensis*, 52(2): 323-8.
- Tungdim Mary Grace, Kapoor, S. and Kapoor, A.K. 2008.** 'Socio-Economic status and prevalence of Tuberculosis among the tribals of North-East India'. In *Bio-social issues of Health*, (eds) Sinha, A.K. and Banerjee, B.G. Delhi : Northern book centre.
- Tyagi, R., Kapoor, S. and Kapoor, A.K. 2008.** 'Environmental Influence and health status of elderly'. *The Open Anthropology Journal* (Bentham Open), 1:14-18.

Walia, G.K., Mukhopadhyay, R., Saraswathy, K.N., Puri, M. and Chahal, S.M.S. 2008. 'Immuno-Molecular Etiology of Recurrent Pregnancy Loss and the Anthropological Perspective'. *International Journal of Human Genetics*, 8(1-2): 227-35.

BOTANY

Major Activities

Microbial Biotechnology:

Screening of wild-type and mutant strains of *Thermoactinomyces vulgaris* for their ability to produce extracellular hydrolases of industrial interest.

Isolation, purification and characterisation of peroxidase and its isoenzymes responsible for aflatoxin degradation/detoxification.

Plant-microbe interactions with special reference to microbial antagonism and its application in biological control of plant diseases, 16rRNA gene sequences of two antifungal bacterial species, *Bacillus licheniformis* and *Pseudomonas fluorescens*, have been deposited in NCBI Gene Bank, USA, with Accession No. EU734179 and EU734178, respectively.

In vitro Technologies:

In vitro regeneration of plants from thin cell layers of rare, threatened and hybrid orchids and flowering by using mineral nutrients and plant growth regulators have been achieved and also methods have been standardised for *in vitro* and *ex vitro* hardening of plants before transfer to field conditions for increasing their survival.

In vitro mass scale multiplication of *Yucca* has been achieved by using stem disc culture.

Standardised methods for *in vitro* isolation of bioactive compounds, psoralen from *Psoralea corylifolia* and spilanthal from *Spilanthes* spp., and their characterisation through Column Chromatography, IR and NMR. A herbal extract of Spilanthal has been developed which is lethal against malarial and filarial vectors. Impact of elicitors such as heavy metal stress and rare metals have also been studied for their upregulation.

Experiments are also being conducted to develop *in vitro* protocols for regeneration in *Jatropha curcas* and *Cicer arietinum* for genetic transformation.

In vitro plant regeneration protocol through somatic embryogenesis and direct shoot organogenesis has been developed for pearl millet (*Pennisetum glaucum*).

Mass Propagation Technologies:

Efficient micropropagation protocols have been developed in some elite medicinal plants such as *Spilanthes* spp., *Stevia rebaudiana*, and *Psoralea corylifolia*.

Developing a cost-effective/efficient micropropagation for orchids by using natural additives.

Achieved somatic embryogenesis, rhizome induction and *in vitro* flowering in various bamboo species and are now concentrating on understanding their physiology.

Plant Developmental Biology and Biotechnology:

Development of mapping population and identification of markers linked to apomixis in *Cenchrus ciliaris*. Embryo sacs of 310 individuals of *Cenchrus* have been analysed using ovule clearing technique. Obligate apomictic and sexual individuals were identified in the mapping population which was used for AFLP analysis. 37 AFLP fragments associated with apomixis have been identified and they are cloned and sequenced.

Sex-related molecular marker (ISSR) has been developed using physiologically mature male and female plants of jojoba (*Simmondsia chinensis*), a commercially important dioecious petro crop.

Molecular characterisation of a large number of *Vigna* species, selected taxa of the family *Hyacinthaceae* having medicinal value and oil- yielding taxa *Sesamum*.

DNA Barcoding of *Dendrobium* by studying intra- and interspecific divergence in selected loci of from chloroplast and nuclear genome of different species of *Dendrobium*.

Proteomics approach to decipher partial S-nitrosoproteome of *Brassica* and *K. pinata*. to design pollution quenching trees in future after understanding the NO metabolism in plants.

Plant Physiology:

Regulation of plant growth and development providing further insights in : (i) stress-induced differentiation of epiphyllous buds in Crassulacean leaf succulents and its hormonal relations, (ii) regulation of seed dormancy during pre- and post-harvest phases in balsam and (iii) modulation of root differentiation in mung bean by local anaesthetic agents.

Plant Reproductive Biology:

Worked out sexual system in *Schleichera oleosa* (Lour.) Oken (Sapindaceae) by studying: (i) phenology and (ii) floral biology by selecting some trees in the population to establish the prevailing sexual system in *Schleichera oleosa* demonstrating that *S. oleosa* exhibits subdioecy comprising male, female and andromonoecious trees which evolved through the gynodioecious pathway.

Reproductive biology in *Oroxylum indicum* (L.) Kurz establishing that short-nosed bat *C. sphinx* is the only legitimate pollinator and successful pollination of *O. indicum* by *C. sphinx* follows the 'lock and key' mechanism. The study indicated that dependence on the single bat pollinator in different regions is probably detrimental to *Oroxylum indicum* in different parts of the tropics causing decreased fecundity and decline in population size.

G. Population Genetics:

Analysis of population genetic structure of the selected taxa planted on the restored overburdened mined out sites in Orissa vis-à-vis the source populations of forest was continued as part of the long-term monitoring of ecological restoration efforts of the selected degraded land.

Analysis of biocontrol potential of the parasitic fungus *Paecilomyces lilacinus* isolated from four different agro-climatic zones of India to evaluate the management of root-knot nematode *Meloidogyne incognita*. The study found that variability in their potentiality and activity against root knot nematode. Identified isolates of *P. lilacinus* were found capable to produce bioactive nematocidal compounds against root-knot nematode *M. incognita*.

H. Plant Systematics:

Molecular systematics of Indian Araliaceae is in progress.

Taxonomic revision of *Duhaldea*.

Study on *Nanothamnus sericeus* an endemic taxa of sunflower family and the Department has also equipped itself with various instruments for research and development. The Department is on its way to establishing a Bioinformatics Laboratory.

Ph.D./M.Phil. Degrees awarded

Ph.D. - 13
M.Phil. - 9

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Studies on Reproductive Biology, Genetic Diversity and Eco-physiology of some Mangroves in India (2008-11).	Prof. A.K. Bhatnagar	Ministry of Environment and Forests, New Delhi
Cost-Effective <i>In Vitro</i> Protocol Development and Mass Propagation of Commercial and Endangered Orchids.	Prof. I. Usha Rao	DBT
Biodiversity and <i>in vitro</i> selection of <i>Psoralea corylifolia</i> plants yielding high content of anticancerous bioactive compounds genistein, diadzein and psoralen.	Prof. Veena Agrawal	UGC
Development of tissue culture protocol for mass propagation using elite <i>Jatropha</i> line and their biochemical evaluation.	Prof. Veena Agrawal	NOVOD

Database on forest and agricultural ecosystem dynamics along an altitudinal transect in Garhwal Himalaya.	Prof. K.S. Rao	DST
Cultural landscapes: The basis for linking biodiversity conservation with sustainable development in Arunachal Pradesh.	Prof. K.S. Rao	MacArthur Foundation, USA, through UNESCO, New Delhi
Conservation and sustainable management of below-ground biodiversity (CSM-BGBD).	Prof. K.S. Rao	Global Environment Facility
Proteomics approach for partial characterisation of S-nitrosoproteome of <i>Brassica juncea</i> and to study the expression of major S-nitrosylated proteins under abiotic and nitrosative stress conditions.	Dr. Renu Deswal	CSIR
Comparison of CBF mediated signaling in two LT tolerant and two LT sensitive crops.	Dr. Renu Deswal	DST
A genomics and proteomics approach to identify, characterise, clone and over-express Seabuckthorn antifreeze proteins (AFPs) for crop improvement and food industry.	Dr. Renu Deswal	DBT
Barcoding of selected species of <i>Dendrobium</i> , an orchid, for checking the applicability of the concept to plants.	Dr. S.B. Babbar	DBT
Identification, characterisation and validation of candidate genes influencing seed size in <i>Brassica juncea</i> (Indian mustard).	Dr. Arun Jagannath	DBT
Transgenic approaches for resistance to mustard aphids (Satellite project in Centre of Excellence awarded to	Dr. Arun Jagannath	DBT

Delhi University South Campus)
Delhi University South
Campus).

Molecular systematic study of <i>Aralia</i> L. in India using ITS sequences of nuclear ribosomal DNA.	Prof. Arun Kumar Pandey	UGC
To understand the nature of diversity of lac insects of <i>Kerria</i> spp. in India and the nature of insect× host interaction.	Dr. Suman Lakhanpaul	(NAIP World Bank through ICAR)
Programme support in restoration ecology.	Dr. Suman Lakhanpaul	DBT
Towards the biodiesel in <i>Jatropha curcas</i> .	Dr. Shailender Goel	DRDO
Profiling of small RNAs unique to Apomictic addition lines in <i>Pennisetum glaucum</i> through the subtractive small RNA library.	Dr. Shailender Goel	DBT
Isolation of sex linked genes and gender specific DNA markers in <i>Hippophae rhamnoides</i> .	Dr. Shailender Goel	DBT
Molecular markers and descriptor development in tea.	Dr. Shailender Goel	DBT
Development and stress specific genomics of small non-coding RNAs in <i>Brassica</i> spp., rice and wheat.	Dr. Manu Aggarwal	DBT
Transgenic approaches for frost resistance in mustard.	Dr. Manu Aggarwal	DBT
Profiling of small RNAs unique to Apomictic addition lines in <i>Pennisetum glaucum</i> through Subtractive small RNA library.	Dr. Manu Aggarwal	DBT

Programmes taken up involving Inter-institutional Collaboration

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Coordinator, All India Coordinated Research Programme (AICRP) on Reproductive Biology of RET and Keystone Species for their Conservation and Sustainable Utilisation.	Prof. A.K. Bhatnagar	MoEF
Genetic transformation of chickpea and tomato.	Prof. Veena Agrawal	NBRI, IARI
Evaluation of larvicidal activity of herbal extracts of medicinal plants against malarial and filarial vectors.	Prof. Veena Agrawal	Malaria Research Centre, Delhi
To understand the nature of diversity of lac insects of <i>Kerria</i> spp. In India and the nature of insect× host interaction.	Dr. Suman Lakhanpur	IARI, IINRG, BITS
Programme support in restoration ecology.	Dr. Suman Lakhanpaul	CEMDE, SAIL
Molecular markers and descriptive development in tea.	Dr. Shailender Goel	DBT

New Additions

Dr. K.S. Rao - Professor
Dr. A.K. Pandey - Professor
Dr. Amar Kumar - Professor

Appointment of faculty members to higher Posts/Assignments

Prof. S. Sawhney: Indian Society for Plant Physiology (ISPP) K. Nanda Foundation for Advancement of Plant Sciences (KKNF).

Prof. A.K. Bhatnagar: Member, School Board of Life Sciences, North Eastern Hill University, Shillong.

Member, Central Executive Council/Advisory Committee for P.G. Course in Bioresources, University of Kashmir, Srinagar.

Honours/Distinctions

Prof. A.K. Bhatnagar: Elected Vice-President, The Orchid Society of India, Chandigarh.

Prof. I. Usha Rao: Elected Member, Plant Tissue Culture Association of India (PTCA(I)).
Elected, Councillor, The Orchid Society of India, Chandigarh.

Prof. K.S. Rao: Elected Secretary General, National Institute of Ecology.

Dr. D.B. Sahoo: M.P. Purohit Memorial Award for popularisation of plant science in the state of Orissa for the year 2008.

Dr. Rupam Kapoor: BOYSCAST fellowship for the year 2008-09, for conducting advanced research in the area of life Sciences/Plant–Microbe Interaction at The University of Alabama in Huntsville, Alabama, USA.

Seminars/Conferences attended

Prof. S. Sawhney: Organised a National Seminar on Physiological and Biotechnological Approaches to Improve Plant Productivity, at the Center for Plant Biotechnology, CCC HAU, Hisar, 15-17 March 2008. Also chaired the Young Scientists Session.

Organised and participated (as President, ISPP and Chairman, Organising Committee) in the Golden Jubilee Conference on the theme: Challenges and Emerging Strategies for Improving Plant Productivity, at IARI, New Delhi, 12-14 November 2008.

Organised and participated (as President, KKNF) in the Seminar on Physiological Strategies to Meet Global Environmental Perturbations, Panjab University, Chandigarh, 21 March 2009.

Prof. A.K. Bhatnagar: International Conference on 'Meeting the Challenges of Sugar Crops and Integrated Industries in Developing Countries'. Al Arish, Egypt.

International Symposium on Plant Biology and Environment, Allahabad University, Allahabad.

National Symposium on 'New Biology in Agriculture', Panjab University, Chandigarh.

Prof. S.C. Bhatla: Golden Jubilee Conference on the theme: Challenges and Emerging Strategies for Improving Plant Productivity, at IARI, New Delhi, 12-14 November 2008.

Prof. A.K. Pandey: XVIII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on Multidisciplinary Approaches in Angiosperm Systematics, Kalyani University, Kalyani, 11-13 October 2008.

National Seminar on Biotechnology in Sustainable Agriculture and Environmental Management, Department of Botany, University of Rajasthan, Jaipur, 7-8 November 2008.

National Conference on Role of Plant Reproductive Biology in Biodiversity Conservation, Department of Botany, Dr. B.R. Ambedkar University, Agra, 1 December 2008.

31st All India Botanical Conference and International Symposium on Plant Biology and Environment: Changing Scenario, Department of Botany, University of Allahabad, Allahabad, 17-19 December 2008.

Prof. K.S. Rao: Global Data Analysis Workshop of BGBD programme, IRD, France by TSBF Institute of CIAT, 28 August to 5 October 2008.

Sustainable Development of Mountain Mainland Asia, Hotel Navigkham, Luangprabang, Laos by NIFR, Laos and UNU, Japan, 7-12 December 2008.

International Conference on Biodiversity, Environment and Sustainability: Challenges for Future, Conference Center, DU, by Shraddanand College, Delhi, 4-6 September 2008.

Indo-German Research Campaign in India, India Habitat Center by DST and German Embassy, 9 September 2008.

International Workshop on Sustainable Development of Cold Desert Regions of South Asia, Hotel Pinewood, Borog, Solan, by JNU, New Delhi and UNU, Japan, 15-17 October 2008.

National Symposium on Knowledge Systems for Ecosystem Management and Sustainable Development, NAAS Complex, New Delhi, 26-27 August 2008, by National Institute of Ecology.

Prof. Veena Agrawal: Oral presentation (through invited lecture series) on 'Studies on Sexual Dimorphism in *Simmondsia chinensis* (Link) Schneider: Differential Morphogenic Behaviour and DNA Fingerprinting' in the International Conference on Current trends in Biotechnology and implications in Agriculture at Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut (U.P), 19-21 February 2009.

Participated in the Workshop on Study of biofuels in India organised by PriceWater, house Coopers at Hyatt Regency, Delhi, 18-19 March 2009.

Participated and presented two papers in the Golden Jubilee Conference on Challenges and emerging strategies for improving plant productivity, IARI, Delhi, 12-14 November 2008.

Participated in the Seminar on New Technology HPLC Columns conducted by Merck, at Hotel Ramada Plaza, Delhi, 17 March 2009.

Dr. S.B. Babbar: International Workshop on DNA Barcoding, organised by the National Bureau of Fish Genetic Resources (NBFGR), Lucknow, at National Agriculture Science Complex, New Delhi, 4 December 2008.

Dr. D.B. Sahoo: Vth Asian Phycological Forum, Wellington, New Zealand, 10-14 November 2008.

First Algal Biofuel Summit, New Delhi, 17-19 September 2008.

Dr. Vishnu Bhat: Participated in 'Epigenetic modifications of the genome: Mechanisms and implications', at CCMB, Hyderabad, 23-24 February 2009.

Dr. P.L. Uniyal: Asian Symposium on Medicinal Plants, Spices and other Natural products (ASOMPS) XIII, Hyderabad, 3-6 December 2008.

National Conference on Medicinal, Plants of Himalaya- Traditional uses and Conservation Issues, H.N.B. Garhwal University, Srinagar (Garhwal), 19-21 February 2009.

Dr. Rupam Kapoor: International Symposium on 'Microbial Biotechnology: Diversity, Genomics and Metagenomics', organised by Association of Microbiologists of India, 18-21 November 2008.

Organising Secretary, National Conference on Medicinal Plants of Himalayas – Traditional uses and conservation Issues, organised jointly with High Altitude plant Physiology Research Centre and H.N.B. Garhwal University, Srinagar, Garhwal, 19-21 February 2009.

Dr. Manu Aggarwal: Illumina sponsored user-group meeting and Bio-informatics workshop in Kota Kinabalu, Malaysia, 5-9 April.

Dr. D.P. Semwal: Participated in International Seminar on 'Role of Plant Taxonomy in Biodiversity Management and Human Welfare', Forest Research Institute (FRI), Dehradun, 1-3 December 2008.

Invited lectures

Prof. V.P. Singh: Macromolecular dynamics and metallomics in understanding microbial life at high temperature, John Innes Center, Norwich, UK, 14 July 2008.

Calcium signaling pathways regulate calmodulin-mediated genetics transformation in thermophilic prokaryotes, School of Biosciences, University of Birmingham, Birmingham, UK, 15 July 2008.

Prof. A.K. Pandey: Molecular markers in plant systematics: applications and limitations, International Seminar on Multidisciplinary Approaches in Angiosperm Systematics, Kalyani University, Kalyani, 12 October 2008.

DNA Taxonomy: problems and prospects. National Seminar on Biotechnology in Sustainable Agriculture and Environmental Management, Jaipur, 8 November 2008.

Efficacy of Reproductive biology data in plant systematics, Dr B.R. Ambedkar University, Agra, 1 December 2008.

Diversity, phylogeny and conservation of *Panax* L. (Araliaceae). Agharkar Research Institute, Pune, 25 February 2009.

Dr. S.B. Babbar: DNA barcoding: concept, applications and *Dendrobium*' National Symposium on 'Orchids: Science, Society and Orchid Show'. Organised by the Orchid Society of India, jointly with Department of Botany, Bangalore University, Bangalore, and the

Orchid Society of Karnataka, Bangalore, at the Central College Campus, Bangalore University, Bangalore, 10 April 2008.

Dr. Renu Deswal: Proteomics approach linking urban smog, nitrosative stress and s-nitrosoproteome in *Brassica*, National Symposium on New Biology in Agriculture, Punjab University, Chandigarh, 7-8 November 2008.

Dr. Suman Lakhanpaul: Biotechnological interventions in conservation of germplasm, XXXII Indian Social Science Congress, Jamia Millia Islamia, New Delhi, 18-21 December 2008.

Conservation of plant germplasm, Training workshop on 'Taxonomy, reproductive biology and conservation' in CEMDE, Delhi University, 18-27 February 2009.

Molecular markers and their role in conservation and utilization of plant germplasm, Training workshop on 'Application of taxonomy in prospecting genes and their products beneficial to humans', at CEMDE, Delhi University, 17-26 March 2009.

Dr. Rupam Kapoor: Resource Person, National workshop on Arbuscular Mycorrhizal Techniques organised by Department of Botany, University of Goa, Goa under UGC-SAP programme, 25-27 February 2009.

Publications

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Kaur, A.J., Mattoo, A.K. and Deswal, R. 2008. 'S-Nitrosylated proteins of a medicinal CAM Plant *Kalanchoe pinnat*- Ribulose-1, 5-bisphosphate carboxylase/oxygenase activity targeted for inhibition' *FEBS Journal*, 275 : 2862-2872.

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Abat Jasmeet K. and Deswal. Proteomics approach linking urban smog, nitrosative stress and s-nitrosoproteome *Brassica*. Abstracts, National Symposium on New Biology in Agriculture, Punjab University, Chandigarh, Punjab.

Abat, J.K., Saigal, Pooja and Deswal, R. Crop yield, air pollution and nitrosative stress- nitric oxide as the common denominator. Article in Golden Jubilee Conference on Challenges and Emerging Strategies for improving plant productivity, IARI, New Delhi.

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Chaudhary, V., Kumar, B., Kapoor, R. and Bhatnagar, A.K. Mycorrhizal Technology to Augment Production of Artemisinin in *Artemisia annua* L. In Abstracts, International Symposium on 'Microbial Biotechnology: Diversity, Genomics and Metagenomics', Delhi, 18-20 November 2008.

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Chugh, S., Vyas, S., Guha, S. and Rao, I.U. *In vitro* propagation of *Cattleya* Summer Song, a commercially important orchid hybrid. Abstracts, XXX Annual Meeting of Plant Tissue Culture Association (India) and National Symposium on Plant Propagation, Conservation, Modification and Characterization, Palampur.

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CHEMISTRY

Major Activities

Several faculty members of the department are engaged in the synthesis of novel ligands and their complexes for determining their biological and medicinal importance. Further, these complexes are being developed as the building blocks for generating novel heterometallic and upramolecular assemblies for application in the area of catalysis.

Some groups of teachers have pioneered biocatalytic chemical transformations. Important contributions have been the lipase-mediated synthesis of peracylated pentofuranoses which have been transformed into nucleosides, a 'green' amidation protocol of free carboxylic acids and biocatalytic reactions in the generation of novel copolymers for diverse applications.

This work has attracted significant funding from two American companies, i.e. ISIS Pharmaceuticals (Carlsbad, California, USA) and PPG Industries (Pittsburgh, USA) to develop technologies for economical and 'green' commercial synthesis of modified nucleosides and esters and amides. Several compounds of these groups have shown anti-oxidant, antiplatelet, anticancer, antiviral, anti-inflammatory, anti-asthmatic (against COPD) and antimicrobial activities. Recently, the Department of Scientific and Industrial Research (DSIR, Ministry of Science and Technology, Government of India) has sanctioned a major research project to develop a few compounds as therapeutics for asthma and hypertension in collaboration with two firms. Development of synthetic methodologies using metals and metal salts is being pursued very actively. Structural polymorphism of DNA is a widely accepted property. A model has been proposed for antiparallel tetrameric quadruplex formed by double repeat of TTAGGGTTAGGG, showing possibility of Watson-Crick hydrogen bonds between intervening bases on antiparallel stands. A strong group has been working on the synthesis of natural products as genotoxic and antigenotoxic agents, antimicrobial and tetraoxane antimalarial compounds.

Some groups of teachers have been working in diverse areas of theoretical chemistry. During the year, quantum and molecular dynamic studies on biologically active molecules have been made by some groups of teachers. Studies have also been made on photophysical aspects of biologically active indole based chalcones and their analogues. Single electron transfer reaction studies have been made using ESR and UV spectroscopic techniques.

Under physical chemistry of complex systems, some interfacial and electrochemical systems are being studied. Studies based on developing and generalising statistical mechanical methods are also being made to unravel the structure-property relationship and dynamics of complex macromolecules and biomaterials.

The Department of Chemistry has started a new three-year M.Tech. Course on 'Chemical Synthesis and Process Technologies'. It is perhaps, the first University to start a formal professional training course on this important pharmaceutical and chemical industry oriented subject. As per agreements between Delhi University and Japan Advanced Institute of Science and Technology (JAIST), Free University of Berlin (Germany) and Universite Rene Descartes-Paris 5 (France), selected students will spend one year at these Universities/Institutes to obtain advanced training.

Ph.D./M.Phil. Degrees awarded

Ph.D. - 29
M. Phil. - 11

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Development of novel therapeutics based upon natural products from Indian medicinal plants.	Prof. V.S. Parmar	DSIR
Novel nucleic acid derivatives as tools for biotechnological and therapeutic applications.		DBT
Synthesis of selected nucleosides of importance in chemical etiology studies of nucleic acids.		DNSRCC, Denmark.
Synthesis of fluorine based flame-Retardant Materials.		DRDO
Biomimetic synthesis of porphyrinogens and their non covalent interactions in the biosynthesis of heme and related life pigments.	Prof. SMS Chauhan	DST
Feasibility study of polymer organosilicate nano composites for oral drug delivery system related to colon disease.	Prof. M. Datta	DST

Nickel boride mediated synthesis of heterocycles and related applications.	Prof. J.M. Khurana	UGC
Environmentally aqueous mediated synthesis of heterocycles.	Prof. M. Kidwai	
Strengthening of existing laboratory for research and development, standardisation, training and certification of metal handicrafts under the scheme of research and development.	Prof. R.K. Sharma	Ministry of Textiles
One-pot and solventless synthesis of metallo-porphyrins: A green chemistry approach.		UGC
Chemical synthesis and lipasemediated kinetic resolution of Novel (+)-4-Aryl-6-Alkyl-3, 4 Dihydropyrimidine-2-one-5-Carboxylates: A potential therapeutic to combat cardiovascular Diseases in Defence Personal at high attitude.	Prof. A.K. Prasad	DRDO
Oligonucleotides Synthesis		ISIS Pharmaceuticals
Sugar Biocatalytic and development of PEG based polymeric architecture for applications in drug delivery.		DBT
Development of coordination complexes as building blocks to generate novel heterometallic complexes	Dr. Rajeev Gupta	DST
Synthesis and characterisation of Iron Complexes with synthetically designed Nitrogen donor ligands: Emphasis to the development of biomimetic oxidation catalysts.		UGC
Syntheses and biological evaluation of phidolopin analogues.	Dr. D.S. Rawat	UGC

Synthesis of substituted tetraoxanes and tetraoxane-aminoquinoline/amine conjugates as potential antimalarial agents.		DST
Design and synthesis of peptide nucleic acids with improved cell permeability.	Dr. S.K. Sharma	DBT
Design and synthesis of glycerol based building blocks for flame retardant polymers.		DRDO
Design of novel nano-carrier architecture DST and for drug and gene delivery.		DAAD (Germany)
Lewis base supported Zinc(II)Carboxylate complexes and their thermal behaviour.	Dr. N. Thirupathi	
Statistical theory of optimized potentials for folding proteins.	Dr. Parbati Biswas	DST
Search for new photocatalysts for the degradation of toxic organics utilising visible radiation.	Dr. S. Uma	DST
Polyurethane-based Tri-block copolymers through atom.	Dr. K. Tharanikkarasu	UGC
Transfer radical polymerization synthesis and characterisation of Hydrophilic- <i>b</i> -Hydrophobic <i>b</i> - Hydrophilic Tri-block copolymer.	Dr. K. Tharanikkarasu	CSIR
High molecular weight polymer behavior in coexisting liquid phases.	Dr. P. Venkatesu	DST

Programmes taken up involving Inter-institutional Collaboration

Prof. RC Rastogi: Insilico Studies on Structure Studies on Structure, Functions and Applications of a Novel Transacetylase Mediating Protein Acetylation Independent of Acetyl CoA, sponsoring orgination : Department of Biochemistry, VP Chest Institute, Delhi University

Prof. M. Datta: Development of nanostructured inorganic compounds as Fire Retardants', sponsoring orgination :sponsoring orgination :CFEES, DRDO, New Delhi.

Feasibility Study of Polymer Organosilicate Nano, composites for Oral Drug Delivery System Related to Colon Disease, sponsoring organization :National Physical Laboratory, New Delhi

Prof. AK Prasad: Biocatalytic synthesis and development of PEG-sugar based polymeric architectures for applications in drug delivery; sponsoring organization : Free University of Berlin, Germany, under the Indo-German, Collaboration in Biotechnology Programme between India and Germany.

Dr. D.S. Rawat: Biological evaluation of natural/natural product Analogues; sponsoring organization : Department of Biotechnology, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, Punjab, and University of Mississippi, USA NIH, USA.

Dr. Tarkeshwar Gupta: Selective monitoring of CO by covalently immobilized metal complexes; Department of Chemistry, University of Catania, Italy.

Rh(II) PNP-type complexes: Structure and reactivity; Weizmann Institute of Science, Israel.

New Additions

Dr. Tarkeshwar Gupta	-	Reader
Dr. Basudeb Saha	-	Reader
Dr. P. Venkatesu	-	Lecturer
Dr. S. Sathiyendiran	-	Lecturer
Dr. Dhanraj T. Masram	-	Lecturer
Dr. Ram Singh	-	Research Associate
Dr. Sanjeev Sharma	-	Research Associate

Appointment of the faculty members to higher Posts/Assignments

Prof. V.S. Parmar: Visiting Full (Adjunct) Professor at the Institute of Physics and Chemistry, University of Southern Denmark, Odense, Denmark, for the period April 2008 – March 2013 in the areas of organic/bio-organic chemistry.

Prof. A.K. Prasad: Visiting Associate Professor at the Institute of Physics and Chemistry, University of Southern Denmark, Denmark, for 2008-09.

Honours/Distinctions

Prof. M. Kidwai: Best Cited paper award 2005-08 by Elsevier (UK).

Prof. R.K. Sharma: Member of DST International Division, Project Assessment Committee for International Projects.

Invited by American Chemical Society's Green Chemistry Institute to deliver opening lecture in Green Chemistry; Trainer Workshop at 13th ACS Green Chemistry and Engineering Conference on 22-26 June 2009 at University of Maryland, USA, 2008.

Honorary Secretary, Royal Society of Chemistry, London (North India Section), 2008.

Invited by Royal Society of Chemistry (London) to attend the Royal Society of Chemistry General Assembly 2008 as International Representative for India in London, UK, 12-14 November 2008.

Member of DST Green Chemistry Experiment Monograph Committee constituted by DST Green Chemistry Task Force for preparing Green Chemistry Experiments Manual.

Prof. A.K. Prasad: INBRE Lecture (June 2008).

Dr. Tarkeshwar Gupta: Ramanujan Fellowship, Department of Science and Technology, New Delhi, India, 2008.

Humboldt Research Fellowship for Experienced Researchers, Alexander von Humboldt Foundation, Germany, 2008.

Newton International Fellowship, British Academy, The Royal Academic of Engineering, The Royal Society and Research Council, UK, 2008.

Dr. Rajeev Gupta: Indo-US Research Fellowship of DST/Indo-US Science and Technology Forum.

Dr. D.S. Rawat: Guest Editor, and Member, International Editorial Board, *Anti-Cancer Agents in Medicinal Chemistry*, an International journal published by Bentham,

International Journal of Biological and Chemical Sciences, The Open Catalysis Journal, published by Bentham.

Seminars/Conferences held

IV Indo-Italian Workshop on 'Chemistry and Biology of Antioxidants', 7 December 2008.

Indo-Italian Seminar on 'Green Chemistry and Natural Products', 5-6 December 2008.

Indo-US Symposium on 'Trends in Chemical Biology', 25 February 2009.

National Seminar on 'Open Source Drug Discovery', 26 February 2009.

Indo-Japanese Seminar on 'Polymeric Advanced Materials', 26 February 2009.

3th ISCB International Conference (ISCBC-2009) on 'Interplay of Chemical and Biological Sciences: Impact on Health and Environment', 26 February-1 March 2009.

DU-NERI (AU) Workshop on 'Atmospheric Science and Climate Change', 27-28 February 2009.

Indo-Danish Symposium on 'Bioorganic Chemistry', 2 March 2009.

Indo-German Symposium on 'Supramolecular Chemistry', 3 March 2009.

Indo-French Seminar on 'Biomolecular Chemistry', 4 March 2009.

Seminars/Conferences attended

V.S. Parmar: 94th Session of the Canadian Chemical Society held in Edmonton, Canada, May 2008.

Second Botulinum Seminar held at the University of Massachusetts, Dartmouth, MA, USA, August 2008.

XIII Asian Symposium on Medicinal Plants, Spices and other Natural Products (ASOMPS XIII), at the Indian Institute of Chemical Technology (IICT), Hyderabad, November 2008.

International Conference on New Developments in Drug Discovery from Natural Products and Traditional Medicines at NIPER, Chandigarh, November 2008.

II Annual Conference of the Association of Microbiologists of India (AMI) on Microbial Biotechnology: Diversity, Genomics and Metagenomics, Delhi University.

CARBO-XXIII, Recent Trends in Chemistry and Biology of Carbohydrates and Applications at Bhavnagar University, Gujarat, January 2009.

National Symposium on Green Chemistry: Applications in Science and Engineering, Thapar University, Patiala, February 2009.

National Conference on Medicinal Plants of Himalayas – Traditional Uses and Conservation Issues, HNB Garhwal University, Srinagar, February 2009.

S.M.S. Chauhan: Non-covalent synthesis with functional porphyrins and related compounds. 109th Birth Anniversary Celebrations at National Institute of Pharmaceutical Education and Research, Hyderabad, 2009.

Non-covalent synthesis with functional porphyrins, phthalocyanines and related compounds. Indo-German symposium on Supramolecular Chemistry, Delhi University, 2009.

A. Singhal, P. Chauhan and S.M.S. Chauhan: Selective synthesis of metallocalix[4]pyrins in the presence of template and their spectral characterization. ISCBC-2009. Delhi University, 2009.

N. Sinha, and S.M.S. Chauhan: Double rosette formation by 5,5-dialkylbarbitutes and calyx[4]arenes appended porphyrins. ISCBC-2009. Delhi University, 2009.

Poonam and S.M.S. Chauhan: Synthesis of subphthalocyanines as photosensetizers for photodynamic therapy. ISCBC-2009. Delhi University.

A.K. Rawat and S.M.S. Chauhan: An attempt towards the synthesis of porphobilinogen starting from ketene-diacetals. ISCBC-2009. Delhi University.

R.K. Sharma. Green Chemistry Networking in India. 12th Annual Green Chemistry and Engineering Conference, Washington, DC, 24-26 June 2008.

B. Garg, T. Bisht and S.M.S. Chauhan. Synthesis of novel disubstituted azocalix[4]pyrroles and their anion binding. Indo-German symposium on supramolecular Chemistry, Delhi University.

R.C. Rastogi: Second Botulinum Seminar held at the University of Massachusetts, Dartmouth, MA, USA, August 2008.

National Conference on Recent Advances in Chemical Sciences. PG Department of Chemistry, Government Dungar College, University of Bikaner. October 2008.

D. Bhatia, N. Sharma and R.C. Rastogi: 2009. Polarity Measurements in Drug-DNA Complexes: Ethidium Bromide as Probe of Self-Microenvironment. 13th ISCB International Conference on Interplay of Chemical and Biological Sciences: Impact on Health and Environment. Department of Chemistry, Delhi University, 26 February–1 March 2009.

Saroj, Manju K., N. Sharma and R.C. Rastogi: Solvatochromic Behavior of some 3-Benzoylmethyleneindol-2-ones. 13th ISCB International Conference on Interplay of Chemical and Biological Sciences: Impact on Health and Environment. Department of Chemistry, Delhi University, 26 February–1 March.

M. Datta: Delivered Presidential lecture and Chaired the technical session as Sectional President of the Analytical Chemistry Section. Indian Council of Chemists, ICC-08. Gurukul Kangri Vishwavidyalaya, 26-28 December 2008.

Heteropoly Acid Intercalated Bentonite – A Green Reusable Catalyst. National Seminar on Emerging Trends and Advances in Chemical Research. Department of Chemistry, University of Allahabad, Allahabad, 8-10 February 2009.

R. Gupta: Coordination Complexes as Building Blocks to Generate Heterobimetallic Complexes of Supramolecular and Catalytic Importance. Indo-German Seminar on Supramolecular Chemistry, Department of Chemistry, Delhi University, 3 March 2009.

Developing Coordination Complexes as Building Blocks to Generate Heterobimetallic Complexes of Catalytic and Supramolecular Importance. 1st Scientific Meeting of Friends of Inorganic Chemistry, Department of Chemistry, Jadavpur University, Kolkata, 21 December 2008.

Developing Novel Catalysts Utilizing Coordination Complexes as Building Blocks. Indo-Italian Seminar on 'Green Chemistry and Natural Products', Department of Chemistry, Delhi University, 5-6 December 2008.

D.S. Rawat: Bioprospecting for secondary metabolites. Centre for Environmental Management of Degraded Ecosystem, Delhi University, 21 March 2009.

Endoperoxides: Synthesis and Antimalarial Activity Evaluations. Indo-Danish Seminar on Bioorganic Chemistry, Delhi University, 2 March 2009.

Tetraoxanes as Artemisinin as Mimics: Synthesis and Antimalarial Activity Evaluations. 13th ISCB International Conference on Interplay of Chemical and Biological Sciences: Impact on Health and Environment, Delhi University, 26 February-1 March 2009.

Ene-diyne Reactivity: Chemical and Biological Significance. International Seminar on Recent Advances in Organic Chemistry, Department of Chemistry, Andhra University, Visakhapatnam, 12-13 December 2008.

D.S. Rawat, N. Kumar, S.I. Khan, M. Sharma, R. Mamgain and H. Atheaya: Symmetrically and Asymmetrically Substituted Tetraoxanes: Synthesis Tetraoxanes as Artemisinin Mimics: Synthesis and Antimalarial Activity Evaluation. Indo-Italian Seminar on Green Chemistry and Natural Products, Department of Chemistry, Delhi University, 5-6 December 2008.

D.S. Rawat: Natural Products Chemistry: Opportunity and Challenges. Eighth National Convention of Chemistry Teachers NCCT-2008 and National Conference on Chemistry: Emerging Trends in Chemistry. Department of Chemistry, H.N.B. Garhwal University, Srinagar, Garhwal, Uttarakhand, 8-9 November 2008.

Symmetrically and Asymmetrically Substituted Tetraoxanes: Synthesis and Antimalarial Activity Evaluations. National Conference on Recent Advances in Chemical Sciences, PG Department of Chemistry, Government Dungar College, University of Bikaner, 3-5 October 2008.

Natural Products and Natural Product Mimics: A Medicinal Chemistry Prospectives. National Conference on Increasing Production and Productivity of Medicinal and Aromatic Plants through Traditional Practices, G.B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand. 18-20 September 2008.

N. Kumar, M. Sharma, H. Atheaya and D.S. Rawat: Synthesis and Antimalarial Activity of Substituted Tetraoxanes. 11th CRSI National Symposium in Chemistry, National Chemical Laboratory, Pune, 6-8 February.

I.D. Vats, M. Nath and S. Pasha: Synthesis and Pharmacological Evaluation of Chimeric Peptide [D-Ala², p-Cl-Phe⁴]YFa. 13th ISCB International Conference on Interplay of Chemical and Biological Sciences, Chemistry Department, Delhi University, 26 February – 1 March 2009. (Abstract No. pp. 142).

U. Kumar, J. Thomas and N. Thirupathi: Influence of Steric and Electronic Properties of Lewis Base on the Degree of Aggregation of Lewis Base Ligated Zinc(II) Carboxylate Clusters. A poster presented in International Conference on Coordination and Organometallic Chemistry (ICCO-2009) at School of Chemical Sciences, Bharathiar University, Coimbatore, March 2009.

B. Rathi, N. Thirupathi and M. Nethaji: Synthesis, Conformational Features and UV-Visible absorption Studies of Push-Pull N,N',N'-Tris(4-nitrophenyl) guanidine and its Tosylate Salt. A poster presented in Indo-German Symposium on Supramolecular Chemistry, Delhi University, March 2009.

B. Rathi, T. Singh, N. Thirupathi and M. Nethaji: Synthesis, Structural Investigation and Basicity Aspects of Electron Rich N,N',N'-Triarylguanidine. A poster presented in Indo-German Symposium on Supramolecular Chemistry, Delhi University, March 2009.

K. Gopi, N. Thirupathi and M. Nethaji: Synthesis, Reactivity Studies and Structural Characterisation of N,N',N''-Tris(o'-anisyl)guanidine Supported Palladacycles. A poster presented in International Conference on 'Hydrogen and Hydrogen Storage Methods and Materials, Indian Institute of Science, Bangalore, January 2009, p. 29.

Understanding Anomalous Response of Fractal and Nano-Structured Electrodes, Abstracts Discussion Meeting on Theoretical Chemistry (TCS -2009), Indian Institute of Science, Bangalore, 18-24 January 2009.

S.K. Jha and R. Kant: Theory of Anomalous Hydrogen Transport Through Hydride-forming Electrodes with Fractal Roughness (Poster), Abstracts International Conference on Hydrogen and Hydrogen Storage: Methods and Materials Indian Institute of Science, Bangalore, 3-6 January 2009.

M.B. Singh and R. Kant: Generalized Theory of Capacitive Behavior of Arbitrary Nano-Structured Supercapacitor Electrode (Poster), Abstracts Discussion Meeting on Theoretical Chemistry (TCS- 2009), Indian Institute of Science, Bangalore, 18-24 January 2009.

R. Kumar and R. Kant: Theory of Quasi-Reversible Charge Transfer Impedance on Realistic Self-Affine Fractal Electrodes (Poster), Abstracts 11th CRSI National Symposium in Chemistry jointly organised by Indian Institute of Science Education and Research, National Chemical Laboratory, University of Pune, 6-8 February 2009.

R. Kant: Theoretical Aspects of Supercapacitors: Nano-Structured and Disordered Interfaces, Abstracts International Conference on Electrochemical Power Systems, Mascot Hotel, Thiruvananthapuram, Kerala, 26-28 November 2008.

Theoretical Aspects of Nano-Structured and Disordered Electrodes, Abstracts Future Directions in Advanced Material Research, Shimla, 16-19 April 2008.

N. Bhattacharjee and P. Biswas: Statistical Theory for Neutral Protein Evolution by Random Site Mutations, Theoretical Chemistry Symposium, January 2009.

T. Gupta: Osaka University Forum in Bio-environmental Chemistry conducted by Osaka University, San Francisco, USA, 2008.

T. Gupta and M.E. van der Boom: Chemical Communication between Metal Complex-Based Monolayers. XXXVIII International Conference on Coordination Chemistry, Kenes International at Jerusalem, Israel, 2008.

Jyoti Das, P., Barak, Anil, Kawakami, Y. and T. Kannan, T.: Polystyrene-blockpolyethylene oxide-block-polystyrene tri-block copolymers from telechelic bromoterminated polyethylene oxide and polystyrene anion. Indo-Japanese Seminar on Polymeric Advanced Materials. Department of Chemistry, Delhi University, 26 February 2009.

H. Verma, S. Nayak and T. Kannan: Synthesis of Tri-block Copolymers via Controlled Radical polymerization of Methyl methacrylate using Novel Telichelic Tribromo Terminated Polyurethane Macroinitiator. Indo-Japanese Seminar on Polymeric Advanced Materials, Department of Chemistry, Delhi University, 26 February 2009.

M. Kumar and T. Kannan: Controlled Radical polymerization of Styrene and Methyl Methacrylate using Thermal Iniferter. Indo-Japanese Seminar on Polymeric Advanced Materials, Department of Chemistry, Delhi University, 26 February 2009.

Jyoti Das, P., Barak, A. and T. Kannan: Novel Polyethylene Oxide based Tri-block copolymers through Anionic Polymerization. National Seminar on Polymer Science and Technology-Vision and Scenario, Jamia Millia Islamia, New Delhi, 3 December 2008.

M. Kumar and T. Kannan: Novel Tetraphenylethane-based Thermal Iniferter for Controlled Radical Polymerization of Styrene and Methyl Methacrylate. National Seminar on Polymer Science and Technology-Vision and Scenario, Jamia Millia Islamia, New Delhi, 3 December.

H. Verma, S. Nayak and T. Kannan: Atom transfer radical polymerization of methyl methacrylate using a novel telechelic tribromo terminated polyurethane macroinitiator. National Seminar on Polymer Science and Technology-Vision and Scenario, Jamia Millia Islamia, New Delhi, 3 December 2008.

Publications

Pandey, M.K., Chandekar, A., Tyagi, R., Parmar, V.S., Tucci, V.B., Smith, K.D., Westmoreland, P.R., Mosurkal, R., Kumar, J. and Watterson, A.C. 2008. 'Design and lipase catalyzed synthesis of 4-methylcoumarin-siloxane hybrid copolymers'. *J. Macromol. Sci., Part A: Pure Appl. Chem.*, 45: 926-31.

Arora, S., Vohra, P., Kumar, A., Tyagi, Y.K., Raj, H.G., Dawarkanath, B.S., Saluja, D., Saso, L. and Parmar, V.S. 2008. 'Calreticulin transacetylase catalyzed activation of rat tracheal smooth muscle cell nitric oxide synthase by acetoxycoumarins'. *Biolog. Pharma. Bull.*, 31: 709-13.

Prasad, A.K., Kumar, P., Dhawan, A., Chillar, A.K., Sharma, D., Yadav, V., Kumar, M., Jha, H.N., Olsen, C.E., Sharma, G.L. and Parmar, V.S. 2008. 'Synthesis and antimicrobial activity of 3-arylamino-1-chloropropan-2-ols'. *Bioorg. Med. Chem. Lett.*, 18: 2156-61.

Pandey, M.K., Tyagi, R., Gupta, B., Parmar, V.S., Kumar, J. and Watterson, A.C. 2008. 'Synthesis and characterization of novel amphiphilic polymers as drug delivery nano Carriers'. *J. Macromol. Sci., Part A: Pure Appl. Chem.*, 45: 932-8.

Bansal, S., Gaspari, M., Raj, H.G., Kumar, A., Cuda, G., Veheij, E., Tyagi, Y.K., Ponnann, P., Rastogi, R.C. and Parmar, V.S. 2008. 'Calreticulin transacetylase mediates the acetylation of nitric oxide synthase by polyphenolic acetate'. *Appl. Biochem. Biotechnol.*, 44: 37-45.

- Kumar, V., Pei, C., Olsen, C.E., Schaffer, S.J.C., Parmar, V.S. and Malhotra, S. 2008.** Novel carbohydrate-based chiral ammonium ionic liquids derived from isomannide. *Tetrahedron: Asymmetry* 19: 664-71.
- Mosurkal, R., Samuelson, L.A., Smith, K.D., Westmoreland, P.R., Parmar, V.S., Yan, F., Kumar, J. and Watterson, A.C. 2008.** 'Nanocomposites of TiO₂ and siloxane copolymers as environmentally safe flame-retardant materials'. *J. Macromol. Sci., Part A: Pure Appl. Chem.*, 45: 943-7.
- Husain, M., Ansari, S.A., Mohapatra, P.K., Gupta, R.K., Parmar, V.S. and Manchanda, V.K. 2008.** Extraction chromatography of lanthanides using N,N,N',N'-tetraoctyldiglycolamide (TODGA) as the stationary phase. *Desalination*, 229: 294-301.
- Kumar, V., Tomar, S., Patel, R., Yousaf, A., Parmar, V.S. and Malhotra, S.V. 2008.** FeCl₃ – catalyzed Pechman synthesis of coumarins in ionic liquids. *Syn. Commun.*, 38: 2646-54.
- Sharma, S.K., Kumar, S., Tyagi, R., Barry, E.F., Kumar, J., Watterson, A.C., Ryan, D.K. and Parmar, V.S. 2008.** 'Selective recognition of Ca²⁺ ions using novel polymeric phenols'. *Microchem. J.*, 90: 89-92.
- Tyagi, R., Kumar, R., Pandey, M.K., Kumar, J., Parmar, V.S. and Watterson, A.C. 2008.** 'Amino acid and poly(ethylene glycol) based self-organizing polymeric systems: Chemoenzymatic synthesis and characterization'. *J. Macromol. Sci., Part A: Pure Appl. Chem.*, 45: 958-63.
- Maity, J., Shakya, G., Singh, S., Ravikumar, V.T., Parmar, V.S. and Prasad, A.K. 2008.** 'Efficient and selective enzymatic acylation reaction: Separation of furanosyl and pyranosyl nucleosides'. *J. Org. Chem.*, 73: 5629-32.
- Bracke, M.E., Vanhoecke, B.W.A., Derycke, L., Bolca, S., Possemiers, S., Heyerick, A., Stevens, C.V., Keukeleire, De, Depypere, H.T., Verstraete, W., Williams, C.A., McKenna, S.T., Tomar, S., Sharma, D., Prasad, A.K., DePass, A.L. and Parmar, V.S. 2008.** 'Plant Polyphenolics as anti-invasive cancer Agents'. *Med. Chem.*, 8: 171-85.
- Kumar, R., Pandey, M., Tyagi, R., Watterson, A.C., Parmar, V.S. and Kumar, J. 2008.** 'Enzymatically synthesized pegylated polymers and as nanomicellar drug delivery systems'. *ACS Symposium Series* (published by the American Chemical Society and distributed by Oxford University Press), 977: 204-24.
- Singh, B.K., Kaval, N., Tomar, S., Eycken, E.V. and Parmar, V.S. 2008.** 'Transition metalcatalyzed carbon-carbon bond formation Suzuki, Heck, and Sonogashira reactions using microwave and microtechnology. *Org. Pro. Res. Develop.*, 12: 468-74.
- Pandey, M.K., Tyagi, R., Tucci, V.B., Kumar, V., Gupta, B., Sharma, S.K., Kumar, J., Parmar, V.S. and Watterson, A.C. 2008.** 'Novel nanotechnology platform: Design and synthesis'. *Polymer Preprints*, 49(2): 1066-7.

- Dwarakanath, B.S., Verma, A., Bhatt, A.N., Parmar, V.S. and Raj, H.G. 2008.** 'Targeting protein acetylation for improving cancer therapy'. *Indian J. Med. Res.*, 128: 13-21.
- Malhotra, S., Shakya, G., Kumar, A., Vanhoecke, B.W., Cholli, A.L., Raj, H.G., Saso, L., Ghosh, B., Bracke, M.E., Prasad, A.K., Biswal, S. and Parmar, V.S. 2008.** 'Antioxidant, antiinflammatory and antiinvasive activities of biopolyphenolics'. *Arkivoc.*, (vi): 119-39.
- Singh, S.K., Sharma, R.K., Maity, J., Wengel, J., Parmar, V.S. and Prasad, A.K. 2008.** 'Greener biocatalytic approach to the synthesis of nucleosides and their precursors'. *Nucleic Acids Symposium Series*, 52: 273-4.
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- Singh, B.K., Parmar, V.S. and Eycken, E.V. 2008.** 'Rapid Pd-Catalysed C3-Arylation of 2(1H)-pyrazinones: Effect of simultaneous cooling on microwave-assisted reactions on solid support'. *Synlett.*, 3021-5.
- Chillar, A.K., Yadav, V., Kumar, A., Kumar, M., Parmar, V.S., Prasad, A.K. and Sharma, G.L. 2009.** 'Differential expression of *Aspergillus fumigatus* protein in response to treatment with a novel antifungal compound, diethyl 4-(4-methoxyphenyl)-2,6-dimethyl-1,4-dihydropyridin-3,5-dicarboxylate'. *Mycoses.*, 52: 223-7.
- Arora, S., Tyagi, Y.K., Kumar, A., Majumdar, S., Saluja, D., Raj, H.G., Chatterjee, S., Saso, L., Prasad, A.K. and Parmar, V.S. 2009.** 'The role of calreticulin transacetylase in the activation of human platelet nitrite reductase by polyphenolic acetates'. *Biolog. Pharma. Bull.*, 32: 161-5.
- Kathuria, A., Gupta, A., Priya, N., Singh, P., Raj, H.G., Prasad, A.K., Parmar, V.S. and Sharma, S.K. 2009.** 'Specificities of calreticulin transacetylase to acetoxy derivatives of 3-alkyl-4-methylcoumarins: Effect on the activation of nitric oxide synthase'. *Bioorg. Med. Chem.*, 17: 1550-6.
- Singh, B.K., Stevens, C.V., Acke, D.R.J., Parmar, V.S. and Eycken, E.V. 2009.** 'Coppermediated N- and O-arylations with arylboronic acids in a continuous flow microreactor: a new avenue for efficient scalability'. *Tet. Lett.*, 50: 15-8.
- Ambika, Singh, P.P. and Chauhan, S.M.S. 2008.** 'Chemoselective esterification of phenolic acids in the presence of sodium bicarbonate in ionic liquids'. *Synth. Commun.*, 38: 928-36.
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Book/Book Chapters

Kakkar, R. and Goldberg, D.E. 2008. *3000 Solved problems in chemistry (Schaum's solved problem series)*, revision for the Indian Edition. New Delhi : Tata McGraw-Hill Publishing Co. Ltd.

Kidwai, M. 'Chapter IV: Nanoparticles in Green Catalysis'. Wiley-VCH. Edited by Paul Anastas. USA.

Rawat, D.S. 2008. Chapter on 'Organometallic and Organosulphur Compounds'. e-book on Organic Chemistry. National Science Digital Library, [<http://nsdl.niscair.res.in/dspace/handle/123456789/179/items-byauthor?author=Rawat%2C+Diwan+S>].

Authors: **Rawat, D.S., Singh, R., Kumar, N., Sharma, M. and Rawat, M.S.M. 2009.** Book Chapter entitled 'Synthetic and Clinical Status of Marine Derived Anticancer Peptides' in a book series *Compendium of Bioactive Natural Products*, USA : Studium Press LLC.

Patents

Parmar, V.S., Raj, H.G. and Prasad, A.K. International Patent Application/IN2009/000344.

Parmar, V.S., Raj, H.G., Jain, S.C. and Prasad, A.K. International Patent Application/IN2009/000359.

Parmar, V.S., Raj, H.G. and Prasad, A.K. Indian Patent Application 1414/DEL/2008.

Parmar, V.S., Raj, H.G., Jain, S.C. and Prasad, A.K. Indian Patent Application 1495/DEL/2008.

Rawat, D.S., Sharma, M., Roy, N. and Rohilla, R.K. Substituted cyclohexane-1,2-diamine derivatives and related compounds as antimicrobial agents. Application No: 1462/DEL/2008.

Rawat, D.S., Kumar, N. and Sharma, M. Symmetrically and asymmetrically substituted tetraoxane compounds, methods of preparation and uses thereof. Application No: 2103/DEL/2008.

ENVIRONMENTAL BIOLOGY

Major Activities

The Department has a mandate to foster interdisciplinary research in ecology and conservation of biodiversity, employing rigorous studies in the field and laboratory. At present the department has only two faculty members: Prof Pardha Saradhi and Dr. A J Urfi. Dr. Urfi conducts research on ecology and conservation of wetland biodiversity, using birds as models. In this regard, a research project is underway, funded by MOEF, to understand variations in reproductive success, foraging ecology of certain species of birds in the Delhi region. A major focus of this project is to understand how populations of certain aquatic birds are responding to urbanization and pollution in Delhi. Some evolutionary ideas were explored by research on sexual size dimorphism and mating patterns in the Painted Stork (*Mycteria leucocephala*).

Honours/distinctions

Dr. Urfi: Member, Board of Studies, Department of Wildlife Sciences, Aligarh Muslim University, January 2008-onwards.

Ph.D. Degrees awarded

Ph.D. - 2

Seminars/Conferences attended

Dr. Urfi: Attended Consultative meeting to discuss formation of a Federation or Union of Indian ornithological societies, 15 November 2008, Bangalore (venue:Raman Research Institute, Bangalore) (as subject expert).

Special lecture DST-SERC Thematic Workshop on Avian Biology, Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar, Uttarakhand, 27-30 November 2008.

Symposium on 'Functional Biology: Comparative Aspects' in conjunction with Second meeting of the Indian subcontinent branch of the International Neuropeptide Society and Annual UGC-SAP (DRS) seminar on 'Chronobiology of birds/Biological Clocks and Seasonal Breeding'.

Department of Zoology, University of Lucknow, Lucknow, India, 19-21 March, 2009. (Short talk).

Publications

Research paper

Kalam, A. and Urfi, A.J. 2008. 'Foraging behaviour and prey size of the painted stork (*Mycteria leucocephala*). *J Zool. (Lond.)*, 274: 198-204

Books

Urfi, A.J. 2008. *Birds of India: An anthology* (edited). Delhi : Oxford University Press.

DR. B.R. AMBEDKAR CENTRE FOR BIOMEDICAL RESEARCH

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
To understand the regulation of gene expression by RUNX-1 and its mutants.	Prof. Daman Saluja	ICMR
Understanding the mechanism of hydrophobic drug resistance in the clinical isolates of <i>Neisseria gonorrhoeae</i> .		UGC
Identification and characterisation of stem cells in precancer and cancer of the uterine cervix: Contribution of Stem cells in the HPV-associated cervical carcinogenesis.	Prof. B.C. Das	DST
J.C. Bose National Fellowship Project. Development of Folate Receptor - Mediated System for Targeted Delivery of Curcumin in Cancer Cells'		DBT
Structure based design, synthesis and evaluation of Histone deacetylase inhibitors as potent antitumour agents,	Dr. Madhu Chopra	DBT
Coordinator Creation of Bioinformatics Infrastructure Facility (BIF).		DBT
Biodegradable Nanogels as Potential Drug Delivery		UGC
Carriers for Development of Target Specific Chemotherapeutic Agents	Dr. Aruna Chhikara (PI), Madhu Chopra (CO-PI),	
Isolation, chemical characterization and biological evaluation of potential anticancer agents from <i>Boerhavia diffusa</i>	Dr. Madhu Chopra (PI), Dr. Daman Saluja (CO-PI)	ICMR

Computer-aided design of novel NSAIDs as selective cyclooxygenase-2 (COX-2) inhibitors to target tumors: Pilot Study for Synthesis and Preliminary Activity for its Anti-tumor Potential	Dr Madhu Chopra (PI) and Dr. Daman Saluja (CO-PI)	DBT Ministry of Science and Technology
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Programmes taken up involving Inter-institutional collaboration

Teaching of Special Paper 'Radiation Biology and Oncology'	Prof. Daman Saluja	INMAS-DRDO
'Development of Chimeric Genetic Vaccine against human papillomavirus Type 16'	Prof. B.C. Das	Indo-German, ICMR
'Screening for Cancer of Cervix by Fast HPV and aided Visual tests in a rural community- A demonstration project'		PATH, USA.
Clinical Trial – Evaluation of tolerability and immunogenicity of 'Gardasil' in healthy females between 16 and 23 years of age, in India'.		Merck, USA
Comparative study of genetic, clinical and epidemiological Factors of breast cancer in rural and urban areas of India.'		ICMR
Feasibility of aided visual infection (VIA) and its comparison with Pap test and HPV PCR for early detection and screening of cervical cancer.		
Synthesis and Evaluation of ^{99m} Tc-Ciprofloxacin	Dr. Madhu Chopra	ICMR
Analogues for Infection Imaging	Dr. Madhu Chopra (PI) , Dr. Daman Saluja (CO-PI) and Dr. A. K. Mishra, INMAS (CO-PI)	INMAS, DRDO
In Silico prediction mechanism of transacetylation activity of Calreticulin,	Prof. H.G. Raj, VPCI (PI), Madhu Chopra	

Development of quasi steroidal compounds as selective estrogen receptor modulators. Amitabh Jha, Acadia University, Canada (PI), Madhu Chopra (CO-PI)

Screening of synthetic heterocyclic compounds for anticancer activity. Amitabh Jha (Canada, PI), Madhu Chopra (CO-PI)

Honours /Distinctions

Prof. B.C. Das: Awarded J.C. Bose National Fellowship, August, 2008–July 2013.

Distinguished Member, Council of Indraprastha Cancer Society of Rajiv Gandhi Cancer Institute and Research Centre, Rohini, New Delhi.

Advisory Board Member, M.P. Council of Science and Technology, Bhopal, MP.

Seminars/Conference attended

Prof. Daman Saluja: 'Functional Analysis of the leukemic associated ETO homologue repressors'. Attended UICC, organized by International Union against Cancer, held at Geneva, Switzerland, 2008.

Mutations in acute myeloid leukemia-1 gene result in down regulation of RUNX2 and LAT gene Expression Attended workshop on 'HGM-2008', Hyderabad, India, 2008

Dr. Madhu Chopra: Invited Presentation at 91st Canadian Chemistry Conference and Exhibition, Edmonton, Canada, 24-28, May, 2008.

Invited Talk on Pharmacophore modeling and virtual screening in drug design, II National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (*MATEIT-2008*), Deen Dayal Upadhyay College, Delhi University, 26-28 September 2008.

Prof. B.C. Das: Organised International Symposium on 'Cancer Stem Cells' at Punjab University, Chandigarh, from 27-28 July 2008, with Prof. R.C. Sobti.

Publications

Research Papers/Articles

Arora, S., Vohra, P., Kumar, A., Tyagi, Y.K., Raj, H.G., Dawarkanath, B.S., Saluja, D., Saso, L. and Parmar, V.S. 2008. 'Calreticulin transacetylase catalyzed activation of rat tracheal smooth muscle cell nitric oxide synthase by acetoxycoumarins'. *Biol Pharm Bull*, 31(4): 709-13.

Gupta, G., Baghel, A.S., Bansal, S., Tyagi, T.K., Kumari, R., Saini, N.K., Ponnann, P., Kumar, A., Bose, M., Saluja, D., Patkar, S.A., Parmar, V.S., Raj, H.G. 2008. 'Establishment of glutamine synthetase of Mycobacterium smegmatis as a protein acetyltransferase utilizing polyphenolic acetates as the acetyl group donors'. *J Biochem.*, 144(6):709-15.

- Chopra, M., Gupta, R., Gupta, S. and Saluja, D. 2008.** 'Molecular modeling study on chemically diverse series of cyclooxygenase-2 selective inhibitors: generation of predictive pharmacophore model using catalyst'. *J Mol Model.*, 14(11):1087-99.
- Arora, S., Tyagi, Y.K., Kumar, A., Majumder, S., Saluja, D., Raj, H.G., Chatterjee, S., Saso, L., Prasad, A.K. and Parmar, V.S. 2009.** 'The role of calreticulin transacetylase in the activation of human platelet nitrite reductase by polyphenolic acetates'. *Biol Pharm Bull.*, 32(2):161-5.
- Pande, S., Jain, N., Prusty, B.K., Bhambhani, S., Gupta, S., Sharma, R., Batra, S., Das, B.C. 2008.** 'HPV-16 variant analysis of E6, E7, L1 Genes and long control region in cervical cancer patients from North India'. *J. Clinical Microbiology*, 46: 1060-6.
- Das, B.C., Hussain, S., Nasare, V., Bharadwaj, M. 2008.** 'Prospects and Prejudices of Human Papillomavirus Vaccines in India'. *Vaccine*, 26(22): 2669-79.
- Tekade, R.K., Dutta, T., Tyagi, A., Bharti, A.C., Das, B.C. and Jain, N.K. 2008.** 'Surface-engineered dendrimers for dual drug delivery: a receptor up-regulation and enhanced cancer targeting strategy'. *J. Drug Target*, 16(10): 758-72.
- Kar, P., Jilani, N., Husain, S.A., Pasha, S.T., Anand, R., Rai, A. and Das, B.C. 2008.** 'Does hepatitis E viral load and genotypes influence the final outcome of acute liver failure during pregnancy'. *American J. of Gastroenterology*, 103: 2495-501.
- Neyaz, M.K., Kumar, R.S., Hussain, S., Naqvi, S.N., Kohaar, I., Thakur, N., Kashyap, V., Das, B.C., Husain, S.A. and Bharadwaj, M. 2008.** 'Effect of aberrant methylation of *FHIT* and *RASSF1A* genes on susceptibility to cervical cancer in a North Indian population'. *Biomarkers*, 13: 597-606.
- Gupta, S., Sodhani, P., Sharma, A., Sharma, J.K., Halder, K., Charchra, K.L., Sardana, S., Singh, V., Sehgal, A. and Das, B.C. 2008.** 'Prevalence of high-risk human papillomavirus type 16/18 infection among women with normal cytology: risk factor analysis and implications for screening and prophylaxis'. *Cytopathology*.
- Das, B.C. 2008.** 'Early detection and Molecular Targeting of Human Papillomavirus for Control of Cervical Cancer'. *Ann Natl Acad Med Sci (India)*, 44:119-37.
- Kohaar, I., Tiwari, P., Kumar, R., Nasare, V., Thakur, N., Das, B.C. and Bharadwaj, M. 2009.** 'Association of single nucleotide polymorphisms (SNPs) in TNF-LTA locus with breast cancer risk in Indian population'. *Breast Cancer Res. Treat*, 114: 347-55.
- Thakur, N., Hussain, S., Kohaar, I., Tabassum, Rubina., Nasare, V., Tiwari, P., Batra, S., Bhambhani, S., Das, B.C. and Bharadwaj, M. 2009.** 'Genetic variant of Ccnd1: Association with HPV-mediated cervical cancer in an Indian population'. *Biomarkers*.

Bansal, S., Ponnann, P., Hanumantharao G. Raj, Susan T. Weintraub, Chopra, M., Kumari, R. and Saluja, D. et. al. 'Autoacetylation of Purified Calreticulin Transacetylase Utilizing Acetoxycoumarin as the Acetyl Group Donor'. *Applied Biochemistry and Biotechnology*, 152 (1) : 170-6, 2009. [Springer]

Chopra, M., Gupta, R., Gupta, S. and Saluja, D. 2008. 'Molecular Modeling Study on Chemically Diverse Series of Cyclooxygenase-2 Selective Inhibitors: Generation of Predictive Pharmacophore Model using Catalyst'. *Journal of Molecular Modeling*, 14: 1087-99 [Springer].

'**Dahiya, S., Mishra, A.K. Khar, R.K., Chopra, M. and Chhikara, A. 2008.** Counterfeit Medicines - The Global Hazard'. *Pharmainfo.net*, 6 (4).

Khatri, M., Rai, S.K., Alam, S., Vij, A. and Tiwari M. 'Synthesis and pharmacological evaluation of new arylpiperazines N-[4-[4-(aryl) piperazine-1-yl]-phenyl]-amine derivatives: putative role of 5-HT_{1A} receptors'. *Bioorg Med Chem.*, 1,17(5):1890-7.

Rai, S.K., Sharma, M. and Tiwari, M. 2008. 'Synthesis, DNA binding, and cytotoxic evaluation of new analogs of diallyldisulfide, an active principle of garlic'. *Bioorg Med Chem.*, 2008 Aug. 1,16(15): 7302-10.

Sharma, M., Kumar, S., Tiwari, R.M. and Chandra, R. 2008. 'Effect of NO modulators on cardiovascular risk factors in mild hyperhomocysteinemic rat model'. *Basic Clinical Pharmacology and Toxicology*, 103(1), 25-30.

Agarwal, A., Sharma, M., Singh, B., Tiwari, M. and Chandra, R., 'The effect of the aqueous extract of the roots of *Asparagus racemosus* on hepatocarcinogenesis initiated by Diethylnitrosamine'. *Phytotherapy Research*, 22(9): 1175-82, 2008.

Book Published

Chopra, M. 2008. *Medicinal Chemistry*. New Delhi: ANNE Books India, CRC Press.

GEOLOGY

Major Activities

Professor Tandon's main work has been to infer Holocene climatic instability in the sediments of the southern Ganga plains He has also found the interlinkages between the tectonics and geomorphology in the Pinjaur Dun of NW Himalayas and dated major event around $\sim 55.7 \pm 6$ ka BP. Professor C.S. Dubey has worked on arsenic content in the ground waters of NCR. He has also delineated structural features associated with earthquakes in NCR. Dr. A Chattopadhyay has continued his work on a highly innovative project on 'digital mapping' and structural analysis of a classical continental basement shear zone – the Canisp Shear Zone in NW Scotland. Dr. D.K. Sinha has contributed to refinement in the Global Cenozoic Time Scale by providing planktic foraminiferal dates for the last six million years. He has

also documented teleconnections between ENSO, Western Pacific Warm Pool, Indonesian Throughflow and northern hemisphere glaciations (NHG). In addition, he carried out detailed taxonomic studies of the stratigraphically important *Globorotalia* group from Neogene of eastern Indian Ocean. Dr. V. Jain has worked out the landscape evolution pattern in response to climate and tectonic changes during the late quaternary time period. Dr. Pankaj Srivastava inferred paleoclimatic changes based on analyses of alluvial fans and paleosols from the late quaternary of the Kangra Basin. Professor J.P. Shrivastava reported occurrence of ferroan trevorite within olivine megacrysts of the MORB from the Southern East Pacific Rise. Professor Talat Ahamad inferred provenance of Late Archean Aravalli mafic rocks from Rajasthan, Northwestern India, based on Nd isotopes and provided evidence for enriched mantle reservoirs. In addition, he deciphered tectonic implications of Palaeoproterozoic anatexis and Late Miocene metamorphism in the Lesser Himalayan Sequence, Sutlej Valley, NW India. Professor A. M. Bhola inferred the occurrence of Kink Bands from Chamba region and related it to the thrusts. In addition, he was involved in Uranium exploratory work in the Narnaul region.

Ph.D./M.Phil degrees awarded

Ph.D.	-	4
M.Phil.	-	1

Research schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Orographic precipitation in relation to tectono-climate forcing in Sikkim/ Himachal Pradesh	Prof. C.S. Dubey	DU
Geomorphology and geodynamics of metamorphic rocks of Arunachal Pradesh		DCS and DST
Subsurface geotechnical and tectono-geomorphologic studies in relation to seismicity and hydrology for underground planning and development of National Capital Territory Region of Delhi.		Seismology Div. DST
Geological and Geochemical mapping of arsenic contamination of groundwater in central Indian province with special reference to seasonal and temporal variation of arsenic level in relation to public health hazards		UGC

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.		DST
Petrochemistry and petrogenesis of mafic dykes from the eastern Deccan volcanic province between Narmada-Sone and Tapti lineaments		DST
Magmatism and hydrothermal activity on the fast spreading East Pacific Rise. (DOD/12 – MMDP/1/02).		DST
Structural evolution of Gavilgarh-Tan Shear zone, central India: Field , micro structural and experimental approach (SR/S4/ES-69/2003).	Dr. A. Chattopadhyay	DST
Interfluvial stratigraphy, sedimentology, and geochemistry of the central and southern Ganga Plains (SR/S4ES-21/Ganga Plain/P2).	Dr. P. Srivastava	DST
Pedosedimentary evolution of Quaternary alluvial fans of Kangra intermontane basin, NW Himalayas.		DST
Variability of Indian monsoon since last glacial maximum (LGM) based on quantitative and stable isotopic analyses of depth related planktic foraminiferal assemblage from western Arabian Sea and Bay of Bengal.	Dr. D.K. Sinha	PRL, Ahmedabad

Holocene climatic changes based on planktic foraminiferal variation from ODP Hole 723 (leg 117), Oman margin Western Arabian Sea.		DU
Systematic of late neogene planktic foraminifera from eastern Indian Ocean.		DU
Inherent geological control on the stream power distribution pattern and its effect on river types and processes.	Dr. V. Jain	DU
Morph tectonic variability along the NW Himalayan Front: Tectonics-climate coupling		DST
Control of stream power distribution pattern on river types and landscape patterns in the Ganga River basin, India, and role of basin geology.		DST
Litostrotructural studies of the Delhi Super Group rocks, Haryana, Rajasthan utilising uraniferom metasomtitities of aerospace data in the GIS platforms BRNS.	Prof. A.M. Bhola	BRNS
<i>Programmes taken up involving Inter-institution collaboration:</i>		
Indo-Hungary project titled 'Neotectonic vs. Climatic control on river dynamics and landscape evolution during the Late Pleistocene – Holocene : Comparison of the Koros Basin (Hungary) and the Ganga-Yamuna Plains, Himalayan foreland (India)'	Prof. S. K. Tandon	DST
Gold Metallogeny: An Integrated Approach through Petrological-Geochemical-structural studies in some and less known potential prospects (ESS/16/207/2004).	Prof. M. Deb (DU) Dr. V. Balaram (NGRI)	DST (In Collaboration with, NGRI, Hyderabad)

Be¹⁰ studies in Sikkim Himalayas. Prof. C.S. Dubey NSC, UGC Consortium
(In Collaboration with
Nuclear Science Centre,
Delhi)

Trace elements and Nd-Sr-Pb Prof. J.P. Srivastava (In Collaboration with
Isotopic compositional studies on University of Hawaii)
basalts from eastern Deccan volcanic
province.

New Additions

Dr. S. Shekhar

Appointment of faculty member to higher Posts/Assignments

Dr. D.K. Sinha: Appointed Expert member, CSIR –Net Syllabus restructuring Committee.

Selected member of national Advisory Committee for the XXII Indian Colloquium on
Micropaleontology and Stratigraphy .

Expert in AMD, BARC-DAE, Bombay, for promotion of Scientist C, D and E (JPS)

Expert in DRDO for the post of scientist B and C (JPS) .

Expert in the Selection Committee for Lectures and Readers in Pune University (JPS) .

Expert in the Selection Committee for the post of Readers and Lecturers in Banaras Hindu
University (JPS) .

Expert in UPSC for the selection of Junior Geologists (JPS) .

Paper setter and evaluation work in UPSC, Chhattisgarh PSC examination, Manipur
PAC examination, Himachal Pradesh PSC examination, J&K examination, GATE
examination (JPS).

2009, Co-coordinator, Ist MOU Delhi University and Joseph Fourier University, France
(CSD).

2009, Co-Coordinator, PAC on Seismology, Ministry of Earth Sciences, Govt. of India
(CSD).

2008 Co-Chairman, Extensional tectonics, 23rd Himalaya-Karakoram-Tibet Workshop,
Leh, Ladakh, India (CSD).

2008 Co-Coordinator and Convener, PAC on Tectonic-geomorphology, DST, Govt. of
India (CSD).

2009, Expert Member, IMD-EREC, MOES Telemetry Network station programme (CSD).

2009, Expert Member, Fresh SAP Induction Review Committee, UGC (CSD).

2009 Advisory Expert, UGC SAP programme, Earth Sciences, Goa University (CSD).

2008 Expert Member, Earth and Environment Sciences, International Projects Appraisal Committee, (CSD).

Department of Science and Technology, Govt. of India (CSD).

2008 UGC Nominee, Academic Staff College, Shimla (CSD).

Honours/Distinctions

Prof. S.K. Tandon: Elected Vice-President of the Geological Society of India.

Serving President of the Indian Association of Sedimentologists.

Elected to the Council of IUGS.

Invited Member of the Technical Advisory Committee (Physics and Earth Sciences) of ISI, Kolkata.

Invited for Presidential Lecture in the Indian Association of Sedimentologist, M S University, Baroda.

Invited for Centennial Lecture Series in IISc, Bangalore.

Elected as the Chairperson of the Young Scientists Committee (Earth Sciences) of DST.

Elected Member of the Advisory Committee, HRDG (CSIR, New Delhi).

Delivered an invited talk at ISI, Kolkata, on 'Interfluves and Valleys of the Southern Ganga Plains: Expression of Landscape Dynamics in Late Quaternary Stratigraphic Records' (SKT).

Delivered an invited talk at PRL, Ahmedabad (SKT).

Dr. D.K. Sinha: Co-Chaired Technical Session at the Micropaleontology Colloquium, BSIP, Lucknow.

Gave an invited talk on paleoclimatic Modelling of Pliocene at CMMACS, Bangalore.

Keynote Address 'Anthropogenic Arsenic Menace in Yamuna Flood Plains', CGWB 2009 (CSD).

Seminars/Conferences held

National Training Workshop on 'Existing tools and related mapping software's in Geological, Seismological, Geomorphologic, Remote Sensing and GIS Applications', under the governorship of Prof. C.S. Dubey.

IGCP-516 Meeting.

DST-PAC Meeting on Tectonic Geomorphology.

International workshop on Gold Metallogeny in India, 3-13, December 2008.

DST Fast Track Meeting in the Department of Geology.

Seminars/Conferences attended

Post-Gondwana flood basalt magmatism and its impact on palaeoenvironment: evidence from clay mineralogical records of the intra-volcanic bole horizons of the eastern Deccan volcanic province, presented in Oct. 2008 in the Gondwana Conference 13, China (JPS).

Dr. T.Ahmad: Attended 4th International Meeting of the IGCP 516 at the Department of Geology, Chulalongkorn University, Bangkok, Thailand, 24-26 November 2008.

Mountain Building Climate-Tectonic Interaction (MBCT-2008). Wadia Institute of Himalayan Geology, Dehra Dun (VJ, PS), 23-25 October 2008.

International Field Workshop on Gold Metallogeny in India, NGRI, Hyderabad, 3-13 December 2008.

II International Conference on Precambrian Continental Growth and Tectonism (PCGT – 2009) held at Department of Geology, Institute of Earth Sciences, Bundelkhand University, Jhansi 24-28 February 2009.

Gondwana-XIII Conference held in Dali, China, September 2008.

Invited Talk at the Department of Geology, Punjab University, Chandigarh, on 'Past and Future Climates: Learning to Negotiate with the Earth' (SKT).

Invited Talk at School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, on 'Geosphere, Biosphere, Geobiosphere, Biogeosphere: Towards Bridging Geomorphology and Ecology' (SKT).

As resource person, delivered two lectures in the DST contact programme on 'Art of petrography' and demonstrated two softwares (JPS).

Brainstroming Session at Cochin University of Science and Technology, Cochin, on Indian Monsoon (DKS).

Indian Colloquium on Micropaleontology and Stratigraphy, Lucknow (DKS, RS).

Presented in the National seminar and Annual General Meeting of the Geological Society of India on Ore body Modelling, held at Udaipur, December 2008.

Publications

Rehman, W.B., Singh, S.K., Sinha, R. and Tandon, S.K., Variations in the provenance of sediments of the Ganga Plain during the past ? 199 ka: Role of climate. *Geology*.

Singh, B.P., Tandon, S.K., Singh, G.P. and Powar, J.S. 2009. 'Palaeosols in early Himalayn foreland basin sequences demonstrate latitudinal shift-related long-term climatic change'. *Sedimentology*, Doi: 10.1111/j.1365-3091.2008.01042.x.

Tandon, S.K., Sinha, R., Gibling, M.R.and Dasgupta, A.S. 2008. 'Late Quaternary Evolution of the Ganga Plains: Myths and Misconceptions, Recent Developments and Future Directions', *Golden Jubilee Memoir of the Geological Society of India*, 66 : 259-99.

- Singh, V. and Tandon, S.K. 2008.** 'The Pinjaur dun (intermontane longitudinal valley) and associated active mountain fronts, NW Himalaya: Tectonic geomorphology and morphotectonic evolution'. *Geomorphology*, 102 : 376-94.
- Singh, V., Tandon, S.K. and Vaibhava Singh, Malay Mukul and Edit-Thamó Bozsó 2008.** 'Geometry and development of the Jhajara Thrust: an example of neotectonic activity in the Pinjaur Dun, NW Himalaya'. *Curr. Sci.*, 94: 623-8.
- Gibling, M. R., Sinha, R., Roy, N. G., Tandon, S. K. and Jain, M. 2008.** 'Quaternary fluvial and eolian deposits on the Belan River, India: paleoclimatic setting of Paleolithic to Neolithic archeological sites over the past 85,000 years'. *Quat. Sci. Rev.*, 27: 391-410.
- Chattopadhyay, A. and Ghosh, N. 2008.** 'The initiation and linkage of surface fractures above a buried strike-slip fault: an experimental approach'. *J. Earth Syst. Sci.*, 117: 23-32.
- Srivastava, P., Rajak, M. and Singh, L.P. 2009.** 'Late Quaternary alluvial fans and paleosols of Kangra Basin, NW Himalaya: Tectonic and paleoclimatic implications'. *Catena*, 76:135-54.
- Jain, V., Fryirs, K. and Brierley, G. 2008.** 'Where do floodplains begin? The role of total stream power and longitudinal profile form on floodplain initiation processes'. *Geol. Soc. America, Bull.*, 120: 127-41.
- Singh, T. and Jain, V. 2009.** 'Tectonic constraints on watershed development on frontal ridges: Mohand Ridge, NW Himalaya, India'. *Geomorphology*, 106 : 231-41.
- Ahmad, T., Dragusanu, C. and Tanaka, T. 2008.** 'Provenance of Late Archean Aravalli mafic rocks from Rajasthan, Northwestern India: Nd isotopes, evidence for enriched mantle reservoirs'. *Precambrian Res.*, 162: 150-59.
- Mohanty, William K., Rajesh Prakash, Suresh, G., Shukla, A. K., Walling Yanger, M. and Shrivastava, J. P. 2009.** 'Estimation of coda wave attenuation for National Capital Region, Delhi, India using local earthquakes'. *Pure and applied Geophysics*, v. 166, pp 1-21.
- Pandey, S.K. Shrivastava, J.P. and Roonwal, G.S. 2008.** 'Occurrence of ferroan trevorite within olivine megacrysts of the MORB from Southern East Pacific Rise'. *Current Science*, 95 : 1468-73.
- Ahmad, M. and Shrivastava, J. P. 2008.** 'Compositional studies on clays associated with the intra-volcanic bole horizons from the Eastern Deccan Volcanic Province: palaeoenvironmental implications'. *Mem. Geol. Soc. of India*, 74 :299-321.
- Shrivastava, J. P. Bajpai, R.K. and Rani, N. 2008.** 'A review on corrosion mechanism in the borosilicate nuclear waste glass for long term performances assessments in geological repository'. *J. Geol. Society of India*, 72 (8) : 238-44.

- Shrivastava, J. P., Ahmad, M. and Kumar, R. 2008.** 'Petrography, composition and petrogenesis of the basalts of the Chakhla – Delakhari intrusive Complex from the eastern Deccan volcanic province, India'. In *Indian Dykes: Geochemistry, Geophysics and Geochronology*. New Delhi : Narosa Pub. House Pvt., Ltd. pp. 83-109.
- Ahmad, M. and Shrivastava, J.P. 2008.** 'Trace element compositions of iridium enriched illite-smectite assemblages from Anjar intertrappean sediments: Inferences on Palaeoenvironment'. *Cretaceous Research*, 29 : 592-602.
- Chambers, J., Argles, T., Horstwood, M., Harris, N.B.W., Parrish, R. and Ahmad, T. 2008.** 'Tectonic implications of Palaeoproterozoic anatexis and Late Miocene metamorphism in the Lesser Himalayan Sequence, Sutlej Valley, NW India'. *Jour. Geol. Soc. London*, 165 : 725-37.
- Ahmad, T. 2008.** 'Precambrian Mafic Magmatism in the Himalayan Mountain Range'. *Jour. Geol. Soc. India*, 72 : 85-92.
- Ahmad, T., Tanaka, T., Sachan, H.K., Asahara, Y., Islam, R. and Khanna, P.P. 2008.** 'Geochemical and isotopic constrains on the age and origin of the Nidar ophiolitic complex, Indus suture zone, Ladakh, India'. *Tectonophysics*, 451 : 206-24.
- Ahmad, T., Deb, M., Tarney, J. and Raza, M. 2008.** 'Proterozoic mafic volcanism in the Aravalli-Delhi Orogen, Northwestern India: Geochemistry and tectonic framework'. *Jour. Geol. Soc. India*, 72 : 93-111.
- Hussain, M. F., Ahmad, T., and Mondal, M. E. A. 2008.** 'Geochemistry of the Precambrian Mafic Dyke Swarms of the Central and Northeastern Parts of Bastar Craton, Central India: Constraints on Their Enrichment Processes'. In *Indian Dykes: Geochemistry, Geophysics and Geochronology* (Ed) : Rajesh K. Srivastava, Ch. Sivaji and N. V. Chalapathi Rao). New Delhi : Narosa Publishing House Pvt. Ltd., pp. 397-412.
- Mondal, M.E.A., Chandra, R. and Ahmad, T. 2008.** 'Precambrian Mafic Magmatism in Bundelkhand Craton'. *Jour. Geol. Soc. India*, 72 : 113-22.
- Ahmad, T. and Jayananda, M. 2008.** 'Plutonism and Precambrian Magmatism in India. In: Glimpses of Geoscience Research in India'. *The Indian report to IUGS 2004-2008* (Eds). A. K. Singhvi, A.Bhattacharya and S.Guha). New Delhi, Indian National Science Academy, pp. 160-73.
- Ram Mohan, M., Rajasekhar, V.B., Charan, S.N., Balaram, V. and Ahmad, T. 2008.** 'Geochemistry of the foliated, coarse-grained amphibolites from the southern part of Gadag Greenstone Belt, Karnataka'. *Jour. Geol. Soc. India*, 72 : 484-94.
- Mondal, M. E. A., Raza, M. and Ahmad, T. 2008.** 'Geochemistry of the Mafic Dykes of the Aravalli-Bundelkhand Proto-Continent: Implications for Sub-Continental

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Catlos, E.J, Dubey, C.S., and Sivasubramanian,P., 2008, 'Monazite ages from carbonatites and high-grade polytic assemblages along the Kambam fault: Implications for the tectonic history of India's South Granulitic terrain', *American Mineralogist*, (93), 8-9 : 1230-44.

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Tandon, S.K. and Sinha, R. 2008. 'Geology of large river systems'. In *Large Rivers: Geomorphology and Management*, (ed.) Avijit Gupta, (UK), John Wiley and Sons : pp. 7-28.

PHYSICS AND ASTROPHYSICS

Major Activities

Department, as a part of the ongoing process of creating state-of-the art facilities, is in the process of installation of several high-end research instruments, besides Astronomical observatory, and high-performance computing facility. Versatile characterisation tools procured last year are used extensively by the faculty and research scholars working in the area of advanced materials and nano-materials for various device applications, besides researchers from other Departments. The syllabus of M.Sc. programme is in the process of revision. The Observational Astronomy facility at the Department has been upgraded with the purchase of an 11 inch Celestron telescope and a 9.25 inch Celestron telescope together with back-end instruments like SBIG ST7 CCD Camera and OPTEC SSP3A stellar Photometer. A 3.5 metre Observatory has been imported from Sirius Observatories, Australia, and has been installed. Five students completed their M.Sc. dissertation in Astronomy, Astrophysics and Cosmology. Facility will also augment the public outreach activities of the University. The Department has installed a 32 Node - 128 Core High Performance Computing Cluster (HPCC) consisting of 128 Intel Xeon Quad Core 5460 processors with 32 GB RAM per node, with infiniband interconnect and NAS Storage. The facility will supplement research by faculty and students in the frontier research areas of High Energy Physics, Complex Systems, Condensed Matter Physics, Astrophysical Turbulence, Astronomical Data Analysis, Experimental Nuclear Physics, and other areas.

The Faculty is involved in various branches of Physical Sciences and active research is being pursued in the thrust areas of Materials Science, Solid State Physics, Plasma Processing for Nano Materials, High Energy Physics, Nuclear Physics, Atomic and Molecular Physics, Biological Systems, String Theory, Astrophysics, Cosmology and Advanced Mathematical Physics. Development of nano-structures and smart materials for various device applications is in progress. Piezoelectric films have been integrated with the MEMs device structure of CEERI, Pilani, and acoustic sensors have been installed in PSLV flights C9 onwards. Various sensors based on nanomaterials with enhanced response have been fabricated. Conducting polymers have been exploited for applications in solid-state batteries and super capacitors. Thin films and nanostructures of semiconductors, ferroelectrics and ferromagnetic materials using various deposition techniques like sol-gel, sputtering, PLD, etc. have been prepared

for device applications. Single crystal of ferroelectric materials have been grown and characterised for photonics application.

Penetrative convection in solar type convection zones is being studied. Analytical signal analysis to strange nonchaotic dynamics has been applied. This methodology can be of great utility in the analysis of experimental time series, and representative applications are made to signals obtained from various nonlinear oscillators. Model spectra of stellar populations at high resolution have been built and with variable α -element enhancements. This opens the perspectives for investigating the enrichment process in galaxies and star clusters.

Ph.D. Degrees awarded

Ph.D. - 10

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Exploring the dynamics of time-delay coupling in non-linear systems.	Dr. Awadesh Prasad	DST
Simulation of convection zones in sun like stars.	Prof. H.P. Singh	ISRO
Synthesis, Microstructural and Physical Properties of Silicon carbide foams.	Prof. R.P. Tandon	DRDO
Study of oxide films for infrared applications.	Prof. R.P. Tandon	DST
Magnetron source for metal films.	Dr. Vinay Gupta	DST
Development of thin film Ultra-violet photodetector.	Dr. Vinay Gupta	DST
Development of multifunctional ZnO film for optoelectronic.	Prof. K. Sreenivas	DRDO

Programmes taken up involving Inter-institutional Collaboration

Mulifunctional Zinc oxide (ZnO) films for acoustic and optoelectronic sensing device applications with Australian National University, Canberra, Australia Principal Investigator Prof. K. Sreenivas

Integration of piezoelectric Zinc oxide films with MEMS device structure. Principal Investigator, Dr. Vinay Gupta sponsoring orgnization CEERI (CSIR Lab)Pilani.

New Additions

Dr. Suresh Kumar
Dr. Pandian Senthil Kumar
Dr. Ashok Kumar
Dr. Shashi Verma
Dr. Swarnendu Sarkar

Honours/Distinctions

Prof. H.P. Singh: Invited Professor for two months (May-July 2008), Observatoire de Lyon, Claude Bernard University.

Prof. R.P. Tandon: Invited Professor for July 2008 at University of Angers, France.

Elected President, Electron Microscope Society of India (EMSI).

Elected Fellow, Electron Microscope Society of India (EMSI).

Prof. M.P. Srivastava: Visiting Professor University of Sydney, Australia, May-June 2008.

Elected Vice-President, Asian-African Association for Plasma Training, Malaysia.

Member, National Advisory Committee, National Symposium on Plasma Science and Technology'08, BARC, Mumbai.

Prof. K. Sreenivas: Visiting Fellow, Australian National University, Canberra, Australia, April 2008.

Prof. K.L. Baluja: Successfully finished India-UK Exchange Programme between Delhi University and University College, London, UK.

Seminars/Conferences held

Dynamics Day, Delhi, 15 November 2008.

Talk within HZZ* 4 lepton groups in compact Muon solenoid (CMS) experiment at Large Hadron Collider (LHC), CERN,

Seminars/Conferences attended

Prof. D.S. Kulshreshtha: Invited Talk at International Conference on Light Cone 2008: Relativistic Nuclear and Particle Physics (LC2008), Mulhouse, France, 7-11 July 2008.

Prof. H.P. Singh: Presented a paper in the 'Pacific rim conference on Stellar Astrophysics', Phuket, Thailand, 5-9 May 2008.

Prof. R.P. Tandon: Session Chair and Invited Speaker, 5th AMEC, Tokyo University of Science, Tokyo, 22-24 October 2008.

Invited Speaker, International Conference on Smart Materials/Intelligent materials and Nano Technology', II International Workshop on Function material and nanomaterials, University of Chiang Mai, Thailand, 22-25 April 2008.

Prof. M.P. Srivastava: Session chair and participated in IV meeting of AAAPT of International workshop on Plasma focus computation and application, Kuala Lumpur, Malaysia, 14-15 July 2008.

XIV International Congress on Plasma Physics – 2008, Fukuoka, Japan, 8-12 September 2008.

International Workshop on plasma applications, Fukuoka, Japan, 9 September 2008.

Dr. Vinay Gupta: Session Chair and Speaker, International Conference on Electronic Materials (IUMRS-ICEM 2008), Sydney, Australia, July 2008.

Prof. R.P. Tandon: Invited Speaker and Session Chair, 11th Asian Conference on Solid State Ionics, Coimbatore, India, 9-13 June 2008.

Dr. Awadesh Prasad: National Conference on Nonlinear Systems and Dynamics (NCNSD), Kolkata, 5-7 March 2009.

Prof. R.P. Tandon: Keynote Speaker, National Conference on Technologically Advanced Materials and Crystals, Nagpur, 2008.

Prof. K.L. Baluja: Invited Talk: The R-matrix method – A computational challenge, DAE-BRNS Symposium on Atomic, Molecular and Optical Physics, Inter-University Accelerator Centre, New Delhi.

Prof. M.P. Srivastava: XIII National Symposium on Plasma Science and Technology, Bhabha Atomic Research Centre, Mumbai, 10-13 December 2008.

IISc 100 years and Beyond – The IISc Centenary Conference, Indian Institute of Science, Bangalore, 13-16 December 2008.

96th Indian Science Congress Association, North Eastern Hill University, Shillong, 3-7 January 2009.

Dr. Vinay Gupta: Invited Speaker, National Seminar on Condense Matter, High Energy and Nuclear Physics, Department of Physics and Astrophysics, Jamia Millia Islamia, 24-25 March 2009.

Invited Speaker, National Conference on Thin Films and Applications, Sastra University, Thanjavur, Tamilnadu, 6-7 March 2009.

Invited Speaker, National Workshop on Nano Sensors and Devices, IIT Delhi, 22-23 December 2008.

Invited Speaker, Workshop on Physics Experiments organised by ILL Delhi University and Keshav Mahavidhyalaya, July 2008.

Publications

Books

Research Articles in Books or Scholarly Journals

Malik, R., Annapoorni, S., Lamba, S., Sharma, P. and Inoue, A. 2008. 'Competing magnetic interactions in nickel ferrite nanoparticle clusters: Role of magnetic interactions', *J. Appl. Phys.*, 104: 064317.

Alqudami, A., Annapoorni, S., Govind and Shivaprasad, S.M. 2008. 'Ag-Au alloy nanoparticles prepared by electro-exploding wire technique', *J. Nanoparticle Res.*, 10: 1027-36.

Sharma, R., Malik, R., Lamba, S. and Annapoorni, S. 2008. 'Metal oxide/polyaniline nanocomposites: Cluster size and composition dependent structural and magnetic properties', *Bull. Mater. Sc.*, 31: 409-13.

Ramola, R.C., Chandra, S., Rana, J.M.S., Sonkawade, R.G., Kulriya, P.K., Singh, F., Avasthi, D.K. and Annapoorni, S. 2008. 'A comparative study of the effect of O⁷⁺ ion beam on polypyrrole and CR-39 (DOP) polymers', *J. Phys. D*, 41: 115411.

Rashmi, Kapoor, A.K., Annapoorni, S. and Kumar, V. 2008. 'Conduction mechanisms in poly (3-hexylthiophene) thin-film sandwiched structures'. *Semicond. Sc. and Tech.* 23: 035008.

Ramola, R.C., Alqudami, A., Chandra, S., Annapoorni, S., Rana, J.M.S., Sonkawade, R.G., Singh, F., Avasthi, D.K. 2008. Effects of swift heavy ions irradiation on polypyrrole thin films, *Rad. Effects and Defects in solids* 163: 151-9.

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Varambhia, H.N., Gupta, M., Faure, A., Baluja, K.L. and Tennyson, J. 2009. 'Electron collision with the silicon monoxide (SiO) molecule using the R-matrix method', *J. Phys. B: At. Mol. Opt. Phys.*, 42: 095204.

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- Mudgel, M., Awana, V.P.S., Kishan, H. and Bhalla, G.L. 2008.** 'Significant improvement of flux pinning and irreversibility field in nano-carbon-doped MgB₂ superconductor', *Solid State Commun.*, 146: 330-4.
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- Vajpayee, A., Awana, V.P.S., Bhalla, G.L. and Kishan, H. 2008.** 'Superconductivity of the bulk MgB₂⁺ nano(n)-SiC composite system: A high field magnetization study', *Nanotechnology*, 19: 125708.
- Mudgel, M., Awana, V.P.S., Lal, R., Kishan, H., Sharth Chandra, L.S., Ganesan, V., Narlikar, A.V. and Bhalla, G.L. 2008.** 'Anomalous thermoelectric power of the Mg_{1-x}Al_xB₂ system with x = 0.0-1.0', *J. Phys. Cond. Mater.*, 20: 095205.
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ZOOLOGY

Major Activities

The Department of Zoology was recognised as the Centre for Advanced Studies (CAS) and continues to enjoy this status by special assistance of the UGC-SAP programme. 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 the DST-FIST programme. The current research and teaching in the Department include Animal Physiology, Animal Behaviour, Aquaculture, Cell Signaling, Endocrinology, Entomology, Microbiology, Genomics and Metagenomics, Molecular Cell Biology, Chromatin and Cancer Biology, Radiation Biology, Reproductive Physiology and Toxicology. The Department practices interdisciplinary research. Faculty members are presently collaborating with leading institutes of the country like IMTECH, IARI, TERI, NEERI, ICGEB, IGIB, NII, and NIHFWS. All faculty members have extramural funding for their research projects and the Department has six International collaborations with Austria (FAO/IAEA), USA (INDO/US), Switzerland (EAWAG- EPFL, UNIL), Mexico (CIBNOR) and Australia (CSIRO). The Department has been holding various Workshops, Symposia, Conferences and other teaching courses to provide a platform for scientific exchanges. Apart from teaching and research, the Faculty members are making substantial contribution to the University system in various capacities. To further strengthen teaching and research in the Department, an extensive renovation and up-gradation of teaching and research laboratories has been undertaken.

Ph.D./M.Phil Degrees awarded

Ph.D.	-	9
M.Phil.	-	1
Students cleared NET	-	19

Honours/Distinctions

Prof. K. Muralidhar: Member, Academic committee JNU-NII.

Academic Committee, National Brain Research Centre.

Advisory Committee, UGC-SAP grant.

Department of Zoology, NEHU, Shillong.

Department of Zoology, University of Pune, Pune.

Science Education Panel, Indian Academy of Sciences, Bangaluru.

Research Council, Agharkar Research Institute, Pune.

Programme Advisory Committee, BSI and ZSI, Ministry of Environment and Forests, Government of India.

Editorial Board, IJEB, CSIR, India.

Vice Chairman: Recruitment assessment board, CSIR, New Delhi.

Prof. Rup Lal: Awarded Short-Term Alexander von Humboldt Research Fellowship. Worked at the University of Bielefeld, Gentechnologie, Germany, on the project entitled, 'Genome sequence and analysis and annotations', 1-15 July 2008.

Prof. M.M. Chaturvedi: Nominated External Member of Special Committee, School of Life Science, Jawaharlal Nehru University.

Nominated Vice-President of Indian Association of Teachers in Biological Sciences.

Elected Vice-President of Indian Society of Cell Biology.

Prof. Umesh Rai: Elected Fellow of the National Academy of Sciences, India.

Elected council member of the Asia and Oceania Society for Comparative Endocrinology.

Prof. Rina Chakrabarti: Asian Fisheries Society, Indian Branch.

Dr. D.K. Singh: Member of Board for Biology e-Courses 'Sakshat', MHRD, New Delhi.

Board for development of e-Courses for ACPM by NISCAIRE (CSIR), New Delhi.

Jury committee to screen the electronic media in education for biology at Consortium for Educational Communication (CEC) set up by UGC for 19th award Ceremony for video competition.

Dr. Rita Singh: Korean Collaboration in Animal Biotechnology Frontiers, Seoul, Korea, 2008. SAC Member, Talwar Foundation; Member, Ethics Committee, Sunder Lal Jain Hospital, *Journal of Cell and Animal Biology*, (international), 2008-09, Moderator, Vimersh, Reviewer, ILL-Delhi University.

Dr. Rajagopal Raman: Scopus Young Scientist Award, 2008.

Seminars/Conferences held

Dr. Kailash C. Pandey: 'Structure-Function Analysis of Malarial Cystrine Proteases'. Department of Medicine, University of California, San Fransisco, USA.

Dr. Z.R. Khan: Insect physiology and ecology (ICIPE), Nairobi, Kenya.

'Exploiting Chemical Ecology and Biodiversity for Developing New Crop Protection Strategies for the 21st century'.

Dr. Rajgopal Raman: 'Insect versus microbes: Face to face'.

Dr. Mallikarjun Shakarad: 'Are they victims of their own success'?

Prof. Deepak Pental: Dr. M.L. Bhatia Memorial Lecture.

Seminars/Conferences attended

Prof. K. Muralidhar: Special Lecture: 'Mammalian prolactin-An ancient but still a mysterious hormone', VII Annual meeting of Indian Academy of Sciences, 31 October-2 November 2008.

Chairman: Session II 'Molecular basis of fertilization', International Congress on 'Bioimmunoregulatory mechanisms associated with reproductive organs: Relevance in Fertility and Sexually transmitted Infections', NII, Delhi, 9-13 February 2009.

Prof. V.K. Bhasin: Presented a paper entitled 'Antimalarial drugs from natural sources', International Conference on Marine organisms and their biomedical potentials: Expectations and Realizations, held at University Malaysia Terengganu (UMT), Malaysia, 18-20 May 2008.

Chaired an Oral Presentation Session in World Biodiversity Congress, organised by, Century Foundation, Bangalore, India, and Co-sponsored by Bangalore University, Empress Hotel, Chiang Mai, Thailand, 10-14 March 2009.

Prof. Rup Lal: 'Cloning vector and a process for the preparation thereof US Patent No. 005985560A', Presented at M/s. Lupin Ltd., Mumbai, 25 July, 2008.

'Discussion and Interaction-Bacterial Taxonomy', Presented at Workshop: SOP for isolation of bacteria from environmental samples, NEERI, Nagpur, 30-31 July 2008.

'Development of Bioremediation technologies for the decontamination of Hexachlorocyclohexane', Presented at 12th International Symposium on Microbial Ecology (ISME) on 'Microbial Diversity- Sustaining the Blue Planet', 17-22 August 2008.

'Development of Bioremediation technologies for the decontamination of Hexachlorocyclohexan', Presented at CSIRO, Canberra, Australia, 23 August-8 September 2008.

'Biotechnology: Introduction, Applications and Opportunities'. Presented at Conference on 'Application of Biotechnology in Environment', at Kirorimal College, Delhi University, 25 September 2008.

'Biotechnology: Introduction, Applications and Opportunities'. Presented at Conference on 'Application of Biotechnology in Environment', D.A.V. College, Jalandhar, 27 September 2008.

'Biotechnology: Introduction, Applications and Opportunities' and 'Problems of Pesticide Residues in India and development of Bioremediation Technologies'. Presented at Summer School on 'Recent trends in Biotechnology' at Department of Botany and Microbiology, Gurukul Kangri Vishwavidyalaya, Haridwar, 28 September 2008.

'DNA Sequencing: Introduction and Applications', Presented at Miranda House, Delhi University, 10 October 2008.

'Highlights of Teaching and Research Programmes', Presented at Scientific Colloquium between Department of Zoology, Delhi University, Delhi, and National Institute of Genetics, Sokendai, Japan, Department of Zoology, Delhi University, 22 October 2008.

'Agricultural Sustainability through Microbial Biotechnology: Novel and Innovative Concepts', Presented at National Academy of Agricultural Sciences, NASC Complex, New Delhi, 11 November 2008.

Organised the XLIX Annual Conference of The Association of Microbiologists of India entitled 'International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics', Delhi University, 18-20 November 2008.

'Development of Bioremediation Technologies for Decontamination of Hexachlorocyclohexane (HCH)', Presented at Deshbandhu College, Delhi University, 5 December 2008.

'Development of Bioremediation Technologies for Decontamination of Hexachlorocyclohexane (HCH)', Presented at the 4th Indo-Italian Seminar on Green Chemistry and Natural Products, Department of Chemistry, Delhi University, 6 December 2008.

'Molecular Analysis of Agrocin Producing *Agrobacterium radiobacter* for Biological Control of Crown Gall in Stone Fruits', Presented at University of Horticulture and Forestry, Solan, Himachal Pradesh, 13 December 2008.

'Microbial Degradation of Hexachlorocyclohexane (HCH) and Prospects for Bioremediation', Presented at International Conference on Changing Environmental Trends and Sustainable Development, at Guru Jambheshwar University of Science and Technology, Hisar, Haryana, 9 February 2009.

'Biotechnology: Introduction, Applications and Opportunities', Presented at Ramjas College, Delhi University, 25 February 2009.

'Development of Bioremediation Technologies for Decontamination of Hexachlorocyclohexane (HCH)', Presented at the International Conference on Microbial Biotechnology, 'Microcon 2009: Microbes for sustainability of mankind', 3 March 2009.

'From *lin* genes and genomics to metagenomics: An approach for bioremediation of hexachlorocyclohexane (HCH)', Presented at Madurai Kamraj University, 11 March 2009.

'Exploring *lin* genes, community genomes from HCH dump site at Lucknow: Prospects for Bioremediation', Presented at The symposium on 'Functional Biology: Comparative aspects', University of Lucknow, 21 March 2009.

Prof. Ragesh P.R. and Prof. A.K. Singh 2008: Influence of *Ageratum conyzoides* (L.) extracts on the orientation of larvae and oviposition of adult *Helicoverpa armigera* (Hub.) (Lepidoptera:Noctuidae), Proceedings of XXIII International Congress of Entomology (1879), Durban, South Africa, 6-12 July 2008.

Prof. M.M.Chaturvedi: Invited to give lecture at International Symposium on Nuclear Architecture and Chromatin Dynamics and II meeting of the Asian Forum of Chromosome and Chromatin Biology, Centre for Cellular and Molecular Biology, Hyderabad, 27-29 November 2008.

Invited lecture at Department of Zoology, University of Lucknow, at DST-sponsored SERC Scholl in Chronobiology, 19 October 2008.

Invited to give lecture at International Symposium on DNA-Protein Interaction, 12th Transcription Assembly Meeting, Institute of Microbial Technology, Chandigarh, 2-5 March 2009.

Invited lecture at Symposium on Recent Trends in Biochemistry, North Eastern Hill University, Shillong (Meghalaya), 26-27 March 2009.

Prof. Umesh Rai: International Conference on Novel Updates in Reproductive Biology and Comparative Endocrinology and The XXVII Annual Meeting of the Society for Reproductive Biology and Comparative Endocrinology (SRBCE-XXVII), University of Hyderabad.

Prof. Umesh Rai and U. Roy: Symposium on Functional Biodiversity and Ecophysiology of Animals, Dept. Zoology, BHU, Varanasi.

Prof. Neeta Sehgal: Development of *in vitro* screening assays to assess estrogenic potencies of natural estrogens in the Indian freshwater murrel *Channa punctatus*. 6th International Symposium on Fish Endocrinology (VI ISFE), Calgary, Alberta, Canada. 22-27 June 2008.

Dr. R.K. Seth, Dr. S. Suman and S. Chandna. Reduced activation of nitric oxide synthase may contribute to intrinsic radio-resistance of lepidopteran insect cells, in: ICRB Conference, Rajasthan University, Jaipur, 2008.

Nitric oxide donor induced alteration of radiation response in radio-resistant insect cells, in ICRB Conference, Rajasthan University, Jaipur, 2008.

Reduced activation of nitric oxide synthase in the radio-resistant Sf9 insect cells, in 'National Symposium on Emerging Trends in Nitric Oxide Research: Impact on Health, Disease and Drug Development VPCI, Delhi University.

Dr. R.K. Seth. Invited lecture on Potential Role of Nuclear Techniques in Management of Insect Vectors of Communicable Diseases in Tribal Area, 'International Symposium on Tribal Health' at Regional Medical Research Centre, Jabalpur (MP), 27 February-1 March 2009 .

'Role of Nuclear Techniques in Insect-Pest Management: Perspectives and Potential in Forestry' at National Centre for Integrated Pest Management (NCIPM), New Delhi, for Training course on '*Pest Management in Forestry*', 10-19 February 2009.

Dr. Rita Singh: Invited speaker, Role of LH in the etiology of PCOS: Intra-ovarian defect in human Polycystic Ovary syndrome patients without peripheral Insulin resistance Gonadotropin 2008 at AIIMS, New Delhi.

Chaired a Scientific Session, International conference on Immunoregulatory, National Institute of Immunology (NII), New Delhi, 9-12 February 2009.

Surleen Kaur, Gouri Devi and Rita Singh: Microarray And Pathway Analysis of Differentially Expressed Genes in Human Ovarian Follicular Compartment of PCOS Patients, International conference on Immunoregulatory, NII, New Delhi (ORAL), 9-12 February 2009.

Vikas K. Rathore, Gouri Devi and Rita Singh: Polycystic Ovary Syndrome and Associated Insulin Resistance in Indian Women: A Retrospective Study, International conference on Immunoregulatory, NII, New Delhi (POSTER), 9-12 February 2009.

Gagan Singh Kalsey, Neeraj Prakash and Rita Singh: Analysis of Albumin Rich Fraction of Blood Plasma from Ovarian Cancer Patients: A Reflection of Acute Phase Response in Ovarian Carcinomas, International conference on Immunoregulatory, NII, New Delhi (POSTER), 9-12 February 2009.

Gagan Singh Kalsey, Neeraj Prakash and Rita Singh: Analysis of Albumin Rich Fraction of Blood Plasma from Ovarian Cancer Patients: A Reflection of Acute Phase Response in Ovarian Carcinomas, 28th Annual convention of Indian Association for Cancer research and international Symposium on Emerging Challenges and Approaches in Cancer Biology, IISc. Bangalore, (POSTER), 21-24 February 2009.

Dr. Rita Singh: Invited speaker 'Updates of cell Signaling', Department of Biochemistry, Sri Venketasawara College, Delhi University, 11 November 2008

Invited speaker, 'Cell Signaling in Post-Genomics Era', Swami Shradhanand College, Delhi University, 27 February 2009.

Dr. Sharmila Basu Modak: Participated in the 49th AMI meeting held in the Department of Zoology, 18–20 November 2008.

Dr. Anju Shrivastva: Indo-US Symposium on Cancer Nanotechnology, INSA Delhi, 4-6 February 2009.

International Symposium on Novel Strategies for targeted prevention and treatment of cancer, JNU, 19-20 December 2008.

XXXII All India Cell Biology Conference and Symposium, at University of Pune, 4-6 December 2008.

Research schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Delaying antimalarial drug resistance in <i>Plasmodium falciparum</i> with drug combination – in vitro investigations.	Prof. V.K.Bhasin	DBT

Assessment of antimalarial properties of synthetic and natural compounds on human malaria parasite <i>Plasmodium falciparum</i> <i>in vitro</i> .		DRDE and DRDO
Isolation, characterization and mutagenesis of long-range acting bacterial transcription regulators with receptor domains in aromatic compounds (acronym: TRAROMAT).	Prof. Rup Lal	ISJRP
Genotyping and isolation of sphingomonads from HCH contaminated agricultural soils and their application in Bioremediation.		NBAIM, ICAR
Enabling technologies for the enzymatic bioremediation of cyclic organochlorine residues.		IACB
Screening for bio-molecules from microbial diversity collected from different ecological niches.		DBT
Construction of bacterial biosensors for detection of aromatic hydrocarbons.		DBT
Molecular analysis of agrocin producing <i>Agrobacterium radiobactor</i> for biological control of crown gall in stone fruits.		ICAR
Environmental risk and bioremediation of hexachlorocyclohexane isomers.		ISCB, Swiss Federal Institute of Technology, Switzerland
Biochemical and physiological characterization of a novel histone H3-specific Protease from chicken/mouse liver.	Prof. M.M.Chaturvedi	DST

A study of bi-directional communication between Leydig cells and immune cells in the testis of wall lizard, <i>Hemidactylus flaviviridis</i> .	Prof. Umesh Rai	DST
Yolk proteolysis and oocyte hydration in the Indian freshwater murrel.	Prof. Neeta Sehgal	DST
Evaluation of Immunostimulatory and disease resistance properties of an Indian medicinal plant <i>Achyranthes aspera</i> in carps.	Prof. Rina Chakrabarti	DBT
Evaluation of various bio-characteristics of radio-sterilized lepidopteran pest, <i>Spodoptera litura</i> , and its progeny to establish the quality traits for a critical appraisal of 'F ₁ sterility technique' for pest suppression (IAEA Contract No. 15557/R0).	Dr. R.K. Seth	International Atomic Energy Agency (IAEA), Vienna
A study on 16SrDNA, enzymes, microbes and animal as model system for their possible usage as bioindicator and biomarkers of soil health.	Dr. D.K.Singh	DST
Microbial degradation of Endosulfan and development of natural bioprocess.		DBT
Recombinant pituitary prolactin of water buffaloes (<i>Bubalus bubalus</i> . animal biotechnology.	Dr. Rita Singh	UGC
Cross-talk between insulin receptor and gonadotropins in rat granulosa cells.		DBT
Differential expression of genes in polycystic ovary of rat, an attempt to understand the etiology of PCOS.		CSIR
Heme oxygenase 1 in rodent embryogenesis.	Dr.Sharmila Basu-Modak	DST
Regulation of signaling mechanism in macrophages and tumor Cells.	Dr. Anju Shrivastava	DU

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FACULTY OF LAW

LAW CENTRE-I

Major Activities

The academic year 2008-09 has been exemplary in matters of participation of students and teachers in various fruitful educational activities. For instance, the workshop on 'Emerging Issues of Biotechnology', IPR and PPVFR was organised by the Faculty of Law on 13

September 2008 under the Directorship of Prof. Ashwani Kumar Bansal, in which eminent speakers delivered their expertise. The High Court designated five addl. District Judges as participants. It proved to be a conclave of eminent personalities of the field. The Seminar week was organised from 16-21 March 2009, which was addressed by eminent speakers. Hon'ble Union Minister of Law, Dr. H.R. Bhardwaj, inaugurated the grand event. The valedictory address was delivered by Dr. A.P.J. Abdul Kalam, Former President of India, while Prof. Deepak Pental, Vice Chancellor, presided over the valedictory function. Speakers included Mr. Pawan Duggal, Advocate, Supreme Court; Mr. Amod Kanth, Chairperson, Delhi Commission for Protection of Child Rights; and Dr. Harish Jauhari, Transplant Surgeon, Sir Ganga Ram Hospital.

In addition, Prof. Ashwani Bansal organised a 'Seminar on 'Judicial Reforms and Responsibility' at the 'Constitution Club, Rafi Marg, New Delhi, on 25 September 2008 in which Prof. Upendra Bakshi initiated the discussion. Hon'ble Justice L.M. Singhvi of the Supreme Court gave his views on the accountability of judges and Sh. Natchiappan, Chairman of the Parliamentary Committee spoke on behalf of the Parliament. Earlier, Prof. Bansal had organised a Seminar on 'Efficacy of Justice Delivery System' at the same venue on 27 August 2008 in which judges of the High Court and advocates participated enthusiastically.

The Mooters Society organised a series of moot court competitions, the major ones being:

1st National Moot Court Competition on 13-15 February 2009. The inaugural address was delivered by Hon'ble Mr. Justice Ashok Bhan, President, National Consumer Dispute Redressal Commission, on 13 February 2009. The Valedictory Address was delivered by Hon'ble Mr. Justice P. Sathasivam, Judge, Supreme Court of India, and Prof. S.N. Singh, Dean, Faculty of Law, Delhi University.

Programmes taken up involving Inter-institutional Collaborations

A Workshop on 'Emerging Issues of Biotechnology', IPR and PPVFR was organised by the Faculty of Law on 13 September 2008. The topics covered were, briefly : Traditional Breeding to Transgenic Crops: Implications, Commercialization of Transgenic Crops: The Global and Indian Practices, Implications of Transgenic Crops on Farmers/Population, etc. Prof. Ashwani Kumar Bansal, Prof., Law Centre-I, was the Director of the Workshop.

Appointment of faculty member to higher Posts/Assignments

Prof. Ashwani Kumar Bansal: Appointed Honorary Director, ICPS (Institute of Constitutional and Parliamentary Studies).

Seminars/Conferences held

A SEMINAR WEEK on '*Law and Technology*' was organised by Law Centre-I, Faculty of Law, Delhi University, 16-21 March 2009. The programme commenced with the Inaugural Address given by Dr. H.R. Bhardwaj, Hon'ble Union Minister of Law, and Justice and Prof. S.N. Singh, Dean Faculty of Law, Delhi University, 16 March 2009.

On 17 March 2009, Mr. Pawan Duggal, Advocate, Supreme Court, spoke on 'Technology and Cyber Crimes', Mr. Amod Kanth, Chairperson, Delhi Commission for Protection of Child Rights, Government of NCT Delhi, spoke on 'Technology and Child Abuse'.

On 18 March 2009, Dr. Ranjini Warriar, Additional Director and Member-Secretary, GEAC, Ministry of Environment and Forest, Government of India, spoke on 'Biotechnology and Legal Challenges', Dr. Harish Jauhari, Transplant Surgeon, Sir Ganga Ram Hospital spoke on 'Ethics, Law and Transplantation of Human Organs Act, 1994'.

On 19 March 2009, Mr. Sharad Bhansali, Managing Partner, APJ-SLG Law Offices spoke on 'Changing Dynamics of Business and Law', Mr. Nishisth Seth, MD, Seth Services Pvt. Ltd., spoke on 'Trends of Fraud in Corporate and Legal Implications'.

On 20 March 2009, Mr. Dayan Krishnan, Advocate, Supreme Court, spoke on 'Technology and intercepted Evidence: problems and Perspectives', Mr. Prakash Singh, Former D.G., B.S.F., spoke on 'Combating the Threat of Terrorism: Strengthening the Legal Framework'.

On 21 March 2009, The Valedictory Address was delivered by Dr. A.P.J. Abdul Kalam, Former President of India, and Prof. Deepak Pental, Vice Chancellor, Delhi University.

A Seminar on 'Human Rights and Criminal Justice System' was organised by the Human Rights Society of Law Centre-I. Mrs. Aruna Sharma, Joint Secy., NHRC, spoke about the vital role played by NHRC in realising the rights of several vulnerable groups who may not have been able to secure their rights in the societal circumstances they were placed. Mr. Colin Gonsalves, Advocate, Supreme Court of India, also presented his views.

Seminars/Conferences attended

Prof. Ashwani Kumar Bansal: Seminar on 'Judicial Reforms and Responsibility', Constitution Club, Rafi Marg, New Delhi, 25 September 2008.

Workshop on 'Biotechnology, IPRs and Plant Varieties and Farmers Rights Act, 2001' Faculty of Law, Delhi University, 13 September 2008.

'Efficacy of Justice Delivery System', Constitution Club, Rafi Marg, New Delhi, 27 August 2008.

Mr. L. Pushpa Kumar: Presented a paper on 'Model Climate Risk Management Act, 2008' in the Annual Inter-Disciplinary Dialogue on Community Management of Climate Change: Role of Panchayats and Nagarpalikas, organised by the M.S. Swaminathan Research Foundation, Chennai, 19-21 April 2008.

Delivered lectures on 'Introduction to PPVFR Act, IPR and Patents', 'Farmer's Rights' and 'Registration of Plant Varieties' in the Trainers' Training Programme for Panchayat and Community leaders and Farmers on the Recent Legislations on 'Biological Diversity and Farmer's Rights' on 28 May 2008 and 3-9 July 2008.

Delivered a talk on 'Biopiracy and Biosafety' in the National Conference on Agricultural Biotechnology organised by the Human Rights Law Network (HRLN) at the India Islamic Cultural Centre, New Delhi, 27-28 June 2008.

Dr. Poonam Dass: Presented a paper on 'Enforcement of Copyright in India' in the Seminar 'IP Enforcement in India' at Waseda University, Tokyo, Japan, 3 October 2008.

Ms. Topi Basar: Presented a paper titled 'Understanding the Constitutionality of Legal Protection of Traditional Knowledge and Access to Benefit Sharing' in the National Conference-Dhishana 2008 on Streamlining India's Traditional Knowledge Towards formulating a sui generis regime, Thiruvananthapuram, 23-25 May 2008.

Prof. Ved Kumari: Presented a paper on 'Construction of Criminality' and chaired a session in UKIERI Conference on Children's Rights by University of Essex, UK, 3-4 April 2008.

Paper on 'Juvenile Justice Act' in International Consultation on Child Rights at NALSAR University, Hyderabad, 25-26 July 2008.

Co-presented a session on 'Mainstreaming Justice in Traditional Law Courses' with Prof. Arkady Gutnikov, Prof. Tatiana Zykina and Prof. Steven Schwinn, and another session on 'Women Prisoners: Role of Law Schools' with Prof. Martin Geer in the 5th Worldwide Conference of the Global Alliance for Justice Education on 'Justice Education in a Community Context', 7-13 December 2008, Manila, the Philippines. (<http://gaje.org/index/conference/sessions>).

Publications

Books

Bansal, A.K. 2009. Law of Trade Marks in India with Introduction to Intellectual Property, ICPS and CLIPTRADE publication, Updated 2009 edition.

Tickoo, A. 2008. 'Right to Information and Good Governance', in Koul, J.L. and Sinha, M. (ed.) *Human Rights and Good Governance* Satyam Publications.

Pushpa Kumar, L. 2008. *Thavara Rahangal Matrum Uzhavarhalin Urimaihal Padhuhappu Sattam, 2001* (Tamil translation of Protection of Plant Varieties and Farmers' Rights Act, 2001). Chennai : M.S. Swaminathan Research Foundation.

Bharihoke, N. 2008. *Modern Hindu Law*, Delhi: Delhi Law House.

Research Articles

Bansal, A.K. and Bharti, S. 2008. 'Health Interests of Foetus and Expectant mother: Visit Abortion Laws and Surrogacy', JCPS 1, 42.

Kumari, V. Margaret Martin Barry, Martin Geer and Catherine F. Klein. 2008. 'Justice Education and the Evaluation Process: Crossing Borders'. 28 *Wash. U. Journal of Law and Policy*, 195.

LAW CENTRE-II

Major Activities

The students of Law Centre - II are constantly participating in various Moot Courts at the state and the National levels and have brought laurels to the Centre and the Delhi University by winning the prestigious National Moot Courts. Ms. Rupali Bandhopadhyaya, Mr. Makarand Bakore and Mr. Tathagat Mitra won the best memorial prize at the National Moot Court organised by the University of Singapore and International Council of Arbitration. Besides the trophy, each winning participant was awarded \$250 as cash prize. The team comprising of Aman Yadav and Nidhi Wadhi were the runners up in the Legal Debate on 'Surrogacy is nothing but commercial exploitation of a womb' held on 30 September 2008, The debate was adjudged by the sitting judges of Delhi Courts.

A very prestigious and highly acclaimed 5th Nani Palkhivala Memorial National Tax Moot Court Competition organised by the International Tax Tribunal and Government Law College, Mumbai, was again won by the Law Centre - II team in Oct, 2008. The Moot Court was adjudged by three sitting judges of the Bombay High Court. The students, Mr. Sameer Adlakha, Ms. Charanya Laxmikumaran and Ms. Sukiriti Khanna, beat 25 teams of Law Schools across India. Mr. Sameer Adlakha also won the 2nd best speaker prize at the event.

Seminars/Conferences attended

Prof. Poonam Saxena: Delivered a lecture on 'Constitutional Values and Family Laws' to Judges at the National Judicial Academy, Bhopal, in December 2008.

Lecture on 'Women and Law', at FICCI, September 2008

Lecture on 'Changing Status of Women in Family Laws' at the National Judicial Academy, Bhopal, February 2009.

Dr. Kiran Gupta: Delivered a lecture on 'Medical Negligence' and Consumer Protection Act at the Indian Institute of Public Administration at the training programme for members of the State Consumer Commission, February 2009.

Lecture on 'Medical Negligence' at the Indian Institute of Public Administration in the training programme for officers of the Defence Forces, February 2009.

Lecture on 'Government Liability' to probationers of the Civil Services, October 2009.

Lecture on 'Investigation and Inquiry' at the National Academy of Custom, Excise and Narcotics at Faridabad in the training programme for probationers of the Civil Services, October 2009.

Attended the All India Law Teachers' Conference, Indian Society of International Law, 6-7 February 2009.

Dr. Mahavir Singh and Dr. Pinki Sharma: Attended the All India Law Teachers Conference, Indian Society of International Law, 6-7 February, 2009.

Presented a paper titled 'Perspective of Judicial Review of Amendments under the constitutional Law in India' in National Seminar at Chaudhary Devi Lal University, Sirsa (Haryana), India, 20 March 2009.

Dr. Pinki Sharma: Attended the All India Law Teachers Congress and the International Committee of the Red Cross Conference on International Humanitarian Law, Indian Society of International Law, 6-7 December 2008.

VIII Asia Pacific Regional United Nations Association Conference, Indian Society of International Law, 26-29 March 2009.

Ford Foundation International Fellowship assessment programme on Human Rights at FulBright House, Hailey Road, 2-5 March 2009.

Dr. Anupam Jha: Attended the Workshop on 'Emerging Issues of International Criminal Law', organised by the South Asian Regional Delegation of International Committee of Red Cross and NALSAR, Hyderabad, 21-22 March 2009.

Conference organised by the Japanese Embassy in India at the Maurya Sheraton, New Delhi, on 'International Criminal Court', 18 March 2009.

Conference organised by the All India Law Teachers' Conference (AILTC) in New Delhi. February 2009.

Publications

Saxena, P. *'Trusts and Charities' Halsbury's Laws of India* Vol. 29: (2), 2nd edn New Delhi: Lexis Nexis Butterworths.

Singh, M. 2008. 'Contempt of Court - Recent Judicial Trends', MDU Law Journal, Vol.XII (I) Department of Law, M.D. University, Rohtak, Haryana.

FACULTY OF EDUCATION

EDUCATION

Major Activities

CIE as an institution completed sixty-one years of its existence. The year was replete with a number of programmes, activities and initiatives taken up by the faculty, students and scholars of the Department. Primary among them were the efforts made by the faculty towards development of the curriculum for the proposed two-year B.Ed. Programme. The programme structure for the two-year programme was finalised and approved by the Academic Council of Delhi University.

A Reading Research Group in the Department was initiated with the objective of promoting literacy research and providing a forum for serious exchange of ideas in the field.

On-going workshops for English Language Teaching were organised in the Department for both pre- and in-service English teachers to help them understand pedagogical perspectives and provide a more informed choice of appropriate developmental strategies in their teaching.

Under the UK - India Education and Research Initiative (UKIERI), the Department tried out a Mentor Scheme in 11 identified schools in which trained mentors and mentees were involved in mentoring each other for their on-going professional development.

A course in English Language proficiency aimed at improving reading, speaking, writing and listening skills was offered at the Institute of Life-Long Learning to students of Delhi University. It was coordinated by the Department.

The Department is a member of the Asia Teacher Education Consortium (ATEC) along with 11 other Universities from China, Japan and Korea and now a new member, Vietnam, engaged in teacher education. In October this year, the third Symposium of the Consortium was held at Hunan Normal University, Changsha. This was attended by the Head and other faculty members of the Department.

The Regional Resource Centre (RRC) for Elementary Education is part of the University School Resource Network (USRN) established to address issues of equity and quality in school education. The Centre has been very active. Several programmes and events were organised which included public lectures, film series and study sessions - coordinated by our Department.

The Department was visited by representatives from different Faculties of Education from the United States of America; University of British Columbia, Vancouver, Canada; and The Ontario Institute of Education, Toronto, Canada; to explore possibilities for collaboration between the Delhi University and their respective Universities through research and cultural exchange programmes.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	7
M.Phil.	-	12

Research Schemes

Comparative Analysis of International Baccalaureate, ICSE and CBSE Curricula in selected school subjects, which included English, Maths, Physics, Chemistry, Biology, History and Economics, sponsoring organisation IB, Singapore.

Status of Girls Education in Madhya Pradesh, sponsoring organisation UNICEF .

New Additions

Mr. Vinod Kumar Kanvaria
Ms. Kanchan
Ms. Seema Sarohe

Appointment of faculty members to higher Posts/Assignments

Prof. Shyam B. Menon: Appointed Vice-Chancellor of Bharat Ratna Dr. B.R. Ambedkar University, 31 July 2008.

Prof. Poonam Batra: Awarded to the Jawaharlal Nehru Fellowship.

Seminars/Conferences held

A National Seminar on 'Science Education in Schools: Emerging Perspectives'.

Seminars/Conferences attended

Prof. Bharati Baveja: Teacher Education in India: Current Status and Future Vision, Presented paper at the Third Symposium for Asian Teacher Education Consortium (ATEC), Hunan Normal University, China.

Prof. Poonam Batra: Chair and Speaker: Challenges of Integrating Gender in School Curriculum, at 'Education for Peace and Multiculturalism: a National Workshop for educators', WISCOM, New Delhi, 12-13 April 2008.

'Understanding Children's Learning within the Shared Context of Cognitive and Affective Processes', Presented paper at the Conference on 'Schools that Care', organised by Teacher Foundation and NCERT, Bangalore, 3-5 November 2008.

Prof. Anita Rampal: Chaired and co-authored the 'Source Book on Assessment of Children's Learning in Environmental Studies', NCERT 2008.

Presented a paper at the International Seminar on the Tenth Anniversary of the South Asia Human Development Report, Mahbub-ul-Haq Human Development Centre, Islamabad.

Presented a paper on 'Curriculum Contestations: Knowledge, Pedagogy and Textbooks' at the International Seminar on Democratic and Secular Education, Trivandrum.

Delivered the Keynote address at the National Seminar on Samajh ka Madhyam, Patna.

Delivered the Keynote address at the National Seminar on Girls and Girlhoods, Vacha and SNTD University, Mumbai.

Presentation made for the Thematic Panel at the National Convention on the Right to Education and Abolition of Child Labour, National Commission on Protection of Child Rights.

Prof. Rama Mathew: Presented a paper on 'What can University Students do with Language?' at the 3rd International Conference of the Association of Language Testers in Europe, Cambridge, April 2008.

Presented a paper at the 3rd Symposium of Asia Teacher Education Consortium, on 'Mentoring in Delhi Schools: A Programme for Teacher Development', Changsha, China, 22-25 October 2008.

Dr. P. Mohan Raju: 'Quality in Assessment of Students in Ethiopian higher education institutions: Expatriate Indian Faculty Members' Perceptions', Presented paper at the National Conference on Teaching and Learning in Ethiopian Higher Education Institutions (HEIS) to meet challenges of Quality and Relevance, National Pedagogical Resource Centre, Addis Ababa University, Ethiopia.

'Early Career Teachers' Quit Intentions: Implications for Teacher Education', Paper presented at the National Conference on 'Teacher Education: Prospects and Challenges', Addis Ababa University, Ethiopia.

Dr. Gaysu R. Avind: 'Local Democracy, Rural Community and Participatory School Governance', International Dialogue on 'Citizenship and Civic Education: Pedagogy, Process, Practice', Department of Sociology and the Developing Countries Research Centre, Delhi University, 11-13 February 2009.

Dr. Shobha Sinha: 'Engagement with Literature', Keynote presentation, International Conference on School Libraries and Reading, Vidya Bhawan Society, Udaipur.

Dr. Sadhana Saxena: Presented a paper on 'Women and Education' in a National Seminar organised by CWDS, Delhi, in Jammu.

Chaired a session on 'Gender, Science and Technology' at the Indian Association for Women's Studies (IAWS) Silver Jubilee Conference, Lucknow, 7-10 February 2008.

Dr. D. Parimala: 'Linking Women with Indigenous Knowledge for Ecological Resource Management and Current Challenges in Developing Countries', International Conference on Indigenous People, in Kuala Lumpur, Malaysia, 29-31 July 2008.

'Dr. Ambedkar and Education: Caste, Schooling and Socialization: A analysis on Dalit Women' Education', Workshop on Multicultural Education, Dalit Children and Pedagogy: Issues and Challenges, National Seminar in Delhi, September 2008.

'A Study on Women and Poverty in South Asian Countries', International Conference on Poverty, organised by Jawaharlal Nehru University, New Delhi, October 2008.

Ms. Kanchan: 'Status of Higher Education in India and Prospects in the 21st Century', Presented paper at East-West Center, Honolulu, Hawaii.

'Higher Education in India: Issues and Concerns', Presented paper at Regional Meeting of the International Forum for Education 2020, Bali, Indonesia.

Mr. Vinod Kumar Kanvaria: 'Environmental Education: A Behavioural Concern', Presented paper at National Seminar, Mandi, Punjab.

Publications

Books

Arora, P. 2008. *Sex Education in Schools*, translated version in English. Delhi: Ocean Books.

Maitra, K. and Saxena, V. 2008. *Inclusion: Issues and Perspectives*. New Delhi: Kanishka Publications.

Research Articles in Books or Scholarly Journals

Gaysu, A. 2008. 'Democracy, People's Agency and Prospects of Change: A Quest for Inclusion', in Richard Kahn et. al. (eds), *The Practical Science of Society*. Grand Forks: University of North Dakota, pp. 41-74.

2008. 'Knowledge, Power and Learning: Pedagogy as a Socio-cultural Practice', in Anna Kozłowska et. al. (eds), *The Role of Theory and Research in Educational Practice*. Grand Forks: University of North Dakota, pp. 91-111.

2009. 'Institutional Context, Classroom Discourse and Children's Thinking: Pedagogy.

Re-examined'. *Journal Psicologia and Sociedade*, Universidade Federal de Santa Catarina, Brasilia, 20(3) pp. 378-90.

2009. 'Educational Code, Classroom Discourse and Children's Thinking: Recreating Pedagogy as a Social Practice'. *Perspectives in Education*, 25:(1): pp.62-71, Silver Jubilee Issue.

2009. 'Local Democracy, Rural Community and Participatory School Governance'. *Journal of Research in Rural Education*, The Pennsylvania State University Journal, 24(2): 2-13.

Behari, A. 2008. 'Re-envisioning Teacher Education Programme from the Perspective of Beginning Teachers'. *Perspective in Education*, 24 (2).

Kanvaria, K.V. 2009. 'Orienting Pre-service Teachers to develop Educational Multi-media Presentation: A practical approach'. *Journal of Indian Education*.

Mathew, R. 2008. 'Assessment in Multi-lingual Society', In Shohamy, E. and Hornberger, N.H. (eds), *Encyclopedia of Language and Education*, (2nd edition), Vol. 7: *Language Testing and Assessment*. Springer Science and Business Media LLC.

Raju, P.M. 2008. 'Assessment of Students in Addis Ababa University: Indian and Ethiopian Faculty members perceptions and some reflections'. *Ethiopian Journal of Higher Education*, IV (1).

Rampal, A. 2008. 'Education in India: A Ten Year Review', in *Human Development in South Asia*. Oxford University Press.

2008. 'Scaffolded Participation of Children: Perspectives from India'. *International Journal for Child Rights*, 16.

Ranganathan, N. 2008. 'Children's Mental Health: Role of Schools'. *Economic and Political Weekly*.

Sahni, G. 2008. 'Design for a suggested framework for English at the School Stage in India'. *MERI Journal of Education*.

2008. 'Reading Interest and its Impact on Creative Writing', *MERI Journal of Education*, Vol. 3(1).

FACULTY OF SOCIAL SCIENCES

ADULT CONTINUING EDUCATION AND EXTENSION

Major Activities

The Department has been engaged in teaching, research and extension as per its mandate and has also initiated the process of undertaking sponsored/competitive projects. Eleven students are pursuing Ph.D. on a variety of contemporary and research issues in the Department. The Department has continued to grow in its drive to plan, develop and implement a host of short-term courses for a varied group of aspirants drawn from both within as well as outside the University. The Department is currently engaged in undertaking action as well as research programmes on issues of older persons.

Research Schemes

Use of Technology by Elderly; Prof. N.K. Chadha, Principal Investigator) sponsored by the Department of Science and Technology, Govt. of India

Honours/Distinctions

Prof. N.K. Chadha: Member, Board of Studies at University of Rajasthan, Jaipur; M.D. University Rohtak; Governing Body Member, National Institute of Mental Health and Neurosciences, Bangalore

Management Committee member of the International Consortium of Intergenerational Relations, Beth Johnson Foundation, UK

Seminars/Conferences held

Workplace and Globalization: An Overview, National Seminar on Developing Workforce - Life Span Approach to Career, organised by the Department of Adult Continuing Education and Extension, Delhi University, 13-14 March 2009.

Capacity Building and Life Skills Programme, Satyawati College, 21-25 February 2009.

Seminars/Conferences attended

Prof. N.K. Chadha: Visited UK, France and the Netherlands to study the Policy of Aging in Europe sponsored by the Asian Productivity Organization, Japan, to develop the policy document for the Productivity of Aging for Asia, 28 June -10 July 2008.

Visited University of Penn State, USA, interacted with the counterpart to develop the research proposal, 12-27 July 2008.

Presented a paper at the Gerontological Society of America International Conference, Maryland, USA .

Dr. D. D. Aggarwal: Presented a paper, 'Environment Education through Teacher Training Programme', International Seminar on Biodiversity, Delhi University, 4-6 September 2008.

International Seminar on Hind Swaraj: 100 years and after, Gandhi Bhawan, Delhi University, 11-13 February 2009.

Dr. Rajesh: Presented paper in International Conference organised by Delhi University on Non-formal and Lifelong Learning in India and Africa, 25 February 2009.

Workshop on Street Children at Shimla organised by the Ministry of Social Justice and Empowerment, Govt. of India, 2-6 October 2008.

Research Methodology Workshop, organised by Prof. N. K. Chadha, Course Director, sponsored by ICSSR, MHRD, Govt. of India, 20-29 September 2008.

Presented a paper on 'Issues and Concerns of senior citizens and the Role of Higher Education', International Conference on Gerontology and Geriatrics in Tirupati, 16-17 December 2008.

Dr. J.P. Dubey: International Seminar on Hind Swaraj: 100 years and after, Gandhi Bhawan, Delhi University, 11-13 February 2009.

International Conference on Bio-Diversity, Environment and Sustainability: Challenges for Future, Delhi University, 4-6 September 2008.

National Seminar on Income Security of the Aged, held at SV University Tirupati, 28-29 January 2009.

Innovative Literacy, IAEA, by Ms. Christine Glanz, Programme Specialist, UNESCO, 25 June 2008.

Dr. V.K. Dixit: Workplace and Globalization: An Overview, National Seminar on Developing Workforce - Life Span Approach to Career, organised by the Department of Adult, Continuing Education and Extension, Delhi University, 13-4 March 2009.

Publications

Books

Chadha, N.K. 2008. ed. *Productivity and Aging- Experience from Asia*. Japan : the Asian Productivity Organization.

ed. *Readings in Life-Long Learning*. Delhi : Department of Adult Continuing Education and Extension, Delhi University.

Rajesh, 2009. *From Campus to Community*, Delhi : Department of Adult Continuing Education and Extension, Delhi University,

Dubey, J.P. 2008. *University Extension A Historical Perspective*. Ambala Cantt : Associated Publishers.

Book Chapters

Chadha, N.K. 2009. 'Mental Health Status and Social support Systems of the Elderly'. In N.K. Chadha (ed.) *Readings in Life -Long Learning*. Delhi : Department of Adult Continuing Education and Extension, Delhi University.

Chadha, N.K. and Bhatia, H. 2009. 'Physical Performance and daily Activities of Elderly in an Indian Urban Setting: A study', In N.K. Chadha (ed.) *Readings in Life -Long Learning*. Delhi : Department of Adult. Continuing Education and Extension, Delhi University.

2009. 'Networking and Co-ordination Between Criminal Justice Functionaries and NGOs in Welfare of Elderly People', In Chadha, N.K.(ed.) *Readings in Life-Long Learning*. Delhi : Department of Adult Continuing Education and Extension, Delhi University.

Dixit, V. K. 2009. 'Life-Long Learning - Meaning, concept and perspective', (ed) Chadha N.K., '*Readings in Lifelong Learning*. Delhi : Department of Adult Continuing Education and Extension, Delhi University, pp. 46-65.

Rajesh. 2009. 'Comparative Adult and Lifelong Education: An Emerging Approach in (ed) N.K. Chadha *Readings in Lifelong Learning*. Delhi : Delhi University.

2009. 'Capacity Building of underprivileged women' in P.A. Reddy (ed.), *Science and Technology for Rural Development*. Ambala Cantt: Uma Devi and Mahadev Reddy Associated Press.

Dubey, J.P. 'Rights of Older Persons: Advocacy Issues'. (ed.) A.K. Sharma. *UN Convention on the Rights of Senior Citizens*, University Press, Gwalior Jiwaji University.

'Science and Technology for the upliftment of poor through university extension' in (ed.) P. Audinarayan Reddy, *Science and Technology for Rural Development* Ambala Cantt: Uma Devi and Mahadev Reddy Associated Press, pp. 274-80,

'Violence against Elderly, Issues and Implications', in (ed) Manjit Singh and D.P. Singh. *Violence: Impact and Intervention*. Atlantic Publication and Distribution Pvt. Ltd. pp., 222-34.

Journals

Chadha, N.K. and Mathur, S. 2009. The matrix of Trust and Personal Effectiveness'. *MAIMS Journal of Management*, 4(1) : 3-8.

Chadha, N.K. and Singh, G. 2008. 'Construction of Success- Appreciative Inquiry'. *MAIMS Journal of Management*, 3(1).

Chadha, N.K. 2008. 'What is it that we still need to witness in order to see the expected and Deserved Expansion of Intergenerational Programming? What is missing?'. *Journal of Intergenerational Relationships*, 6(1): 121-4.

Dubey J.P. 2009. 'Impact of Exposure programme on stake-holders of University Extension'. *Journal of Indian Adult Education Association*, 67 (1-2): 6-13.

2008. 'An Analysis of the Background of the Beneficiaries and Functionaries of the University Extension'. *Journal of Adult Education and Extension* (2): 112-30, DACEE, SV University Tirupati.

'University - Community Interaction through University Extension'. *Journal of Adult Education and Extension*, (2):1-19 DACEE, SV University Tirupati.

Rajesh and Chadha, N.K. 2008. 'Globalization, Urban Migration and Harmonious Cities: Status and Prospects of the Street Children'. Shelter.

Rajesh 2008. from Literacy to Lifelong Learning, AIU, University News.

Rajesh and Dixit, V.K. 2008. 'Extension and Field Outreach in the Higher Education System'.

'A Critical Analysis'. *Indian Journal of Adult Education*,69(4), pp. 23-28, *Indian Adult Education Association*,

Dixit, V.K. 2008. 'Eco-Tourism and Conservation of Natural Resources: An Overview'. *International Journal of Rural Development and Management*, 2(1): pp. 87-92. New Delhi.

'A Critical Analysis of Housing Problem and Possible Solution in India, with special reference to Housing Finance and Policy'. *Shelter*, Special Issue, 11(1) : 7-11.

AFRICAN STUDIES

Major Activities

The Department of African Studies, Delhi University, founded on 6 August 1955, celebrated its fifty years of establishment in 2005. The Department, established by the First Prime Minister of India (Late) Pandit Jawaharlal Nehru, specialises in history, politics, society, economy, geography and literature on African affairs. The Department in collaboration with the University Grants Commission worked for the Centre for African Studies for two sessions (2005-06 and 2006-07) and received the grant under the XI plan. The Department received the Hashim Mbita Project, sponsored by Southern Africa Development Community (SADC) to work on India, NAM and its role in the liberation of Southern Africa. The main thrust of the Department is to carry out inter-disciplinary research and set up the following Study Groups such as India African Relation, Group on South Africa, Human Rights and Refugees and Sudan Study Units.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	5
M.Phil.	-	18

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Hashim Mbita Project.	Dr. Suresh Kumar	SADC
Political Economy and Social Issues in Eritrea.	Dr. Suresh Kumar	Delhi University
Geopolitics Federalism: A Vision of North and South Sudan.	Dr. Suresh Kumar	Delhi University

Seminars/Conferences held

International Seminar on 'India-Africa Summit for Economic and Trade Engagements: A New Vision for Mutual Co-operation', 25-27 February 2009.

National Seminar on 'India-Africa Bilateral Economic Co-operation: Deepening the Partnership', 3-4 April 2008.

Seminars/Conferences attended

Dr. Suresh Kumar: Arab-Africa Cooperation, University of Riyadh, Saudi Arab, 19-26 March 2009.

India-Africa Summit for Economic and Trade Engagements: A New Vision for Mutual Cooperation, Topic: Global Partnership of India and Africa: South-South Cooperation, Department of African Studies, Delhi University, 25-27 February 2009.

Hashim Mbita Project, organised by SADC, Tanzania, 15-19 February 2009.

International Conference on Jurists on Terrorism, Rule of Law and Human Rights, Discussant: Conflict management and governance in Africa, Vigyan Bhawan, Delhi, 13-14 December 2008.

International Conference on 3rd Sustainability Summit: Asia 2008, Discussant: Partnerships for South Asian Regional Cooperation, organised by the Ministries of Corporate Affairs, External Affairs, Environment and Forests, Govt. of India, CII and Development Alternatives, Delhi, 11-12 December 2008.

International Conference on Engaging with a Resurgent Africa, Discussant: Conflict management and governance in Africa, organised by Observer Research Foundation and Rosa Luxemburg Stiftung of Germany, Delhi, 20-21 November 2008.

International Conference on Eradicating Chronic Poverty in India: Policy Issues and Challenges, Topic: Indo-Africa Mutual Partnership Investment in Agriculture Sector: Poverty Reduction and Social Protection, organised by Poverty Research Centre, India, and Centre for the Study of Social Systems, Jawaharlal Nehru University, New Delhi, 1-3 October 2008.

2nd RBI International Business Conference on Entrepreneurship Development in Africa, Addis Ababa, Ethiopia. Topic: Indo-Africa Trade and Investment in Agriculture Sector: Development and Mutual Partnership, 22-24 August 2008.

International Geographical Congress on 'Building Our Territory Together', Topic: Darfur (Sudan) Peace Process: Building Together Our Territory, organised by the Association of Tunisian Geographers, Tunisia, 12-15 August 2008.

India-Africa Forum Summit, Vigyan Bhawan, Hotel Ashok, Taj Mahal Hotel, New Delhi, 4-9 April 2008.

Dr. A.S. Yaruigam: Presented paper on the topic: 'India–Africa Partnership in Education', in the International Seminar on 'India–Africa Summit for Economic and Trade Engagements: A New Vision for Mutual Co-operation', Department of African Studies, Delhi University, 25-27 February 2009.

'Evolution of Hydrice Culture in North Africa', presented in an International Conference on India and North Africa under Globalization, Jamia Millia Islamia University, New Delhi, 18-19 February 2009.

'China's Investment in Social Capital in Africa' in International Conference in Delhi University, 25-27 February 2009.

Paper on 'Peace and Development in Manipur' at a Seminar-cum-Workshop, Gandhi Peace Foundation, New Delhi, 7 February 2009.

Participate on International Conference at Indian Council of World Affairs, organised by ICWA in collaboration with RIST and ASA, in New Delhi, 17-19 December 2008.

Dr. T. Prasad: Convener, International Conference on 'India-Africa Summit for Economic and Trade Engagements: A New Vision for Mutual Co-operation', 25-27 February 2009.

Presented a paper on 'India-Libya Economic Relation' in International Conference on India and North Africa under Globalization, in Jamia Millia Islamia, New Delhi, 18-19 February 2009.

Participated in International Conference on Engaging with Resurgent Africa, organized by Observer Research Foundation (ORF) in collaboration with Rosa-Luxemburg-Stiftung, in New Delhi, 20-21 December 2009.

Participated in International Conference at ICWA organised by ICWA in collaboration with RIST and ASA, New Delhi, 17-19 December 2008.

Coordinator, Special Lecture on '14th commemoration of 1994 Genocide in Rwanda', Delhi University, 10 April 2008.

Participated in India–Africa Forum Summit 2008, 4-9 April 2008.

Convener, National Conference on 'India-Africa Bilateral Economic Co-operation: Deepening the Partnership', Delhi University, 3-4 April 2008.

Publications

Kumar, S. 2008. *SAARC-Africa Partnership in Global Economy and Socio-Economic Transformation*: 155-76, in Iqbal, A., Saradgi and Others (ed.), SAARC: Socio-Economic Transformation (Foundation for Peace and Sustainable Development, August 2008).

Articles

'India Foreign Policy in Africa', *Africa Quarterly*, January – April 2009.

'Terror and No Peace, No War Romanticism-Dogma for Development in Horn of Africa', *Eritrea Profile*, 15(94), 28 January 2009.

'Efforts for Democratic Set up in Zambia and Prospect of Indian Investors', *Diplomatist*, January 2009.

'Nurturing the Tilling Fields of Africa', *Africa Quarterly*, Special Issue, 48(1), February-April 2008.

'Global Energy Demand and Perspective', *Peace and Development Digest*, 8(1), July-December 2008.

'Wiring Africa to the World', *Africa Quarterly*, Special Issue, 48(1) February- April 2008.

Yaruingam, A.S. 2008. 'Intellectual Capital: India's mind share in Ethiopia', *African Quarterly*, 48(1) February - April 2008.

'Education: Cradle for Nation Building', *Souvenir, Tangkhul Zingtung Katamnao Long*, Manipur, March 2009.

EAST ASIAN STUDIES

The Department held an International Conference on 'Taiwan as a Factor in the Emerging Asian Security Architecture', 19-21 March 2009. Individual faculty received project grants from UGC.

Hosted two visiting scholars - one each from Japan and China.

Hosted three visiting Professors – one each from China, Japan and Korea.

Japanese Overseas Cooperation Volunteer provided the Department with a voluntary language teacher to teach Japanese.

Scholars visited Taiwan and Japan as visiting fellows.

Received book grants from the Taipei Economic and Cultural Centre, Toshiba Foundation, Japan Foundation, Shinyo-en (Buddhist Organisation), Japanese Literature Publishing and Promotion Centre, Japan International Cooperation Agency and the Korea Foundation.

M.Phil. Degrees awarded

M.Phil. - 4

Appointments of faculty members to higher posts/assignments

Prof. Madhu Bhalla: Member, International Advisory Board of Ateneo Center for Asian Studies (ACAS) Manila, the Philippines.

Member, Executive Council, Institute for Defence Studies and Analyses, Ministry of Defense, New Delhi.

Member of the Indian team for outreach activity to Taiwan sent by the Public Diplomacy Division of the Ministry of External Affairs.

Prof. Sreemati Chakrabarti, Appointment to the Governing Body of Maharaja Agrasen College, Delhi University.

Appointed Visitor's Nominee by the President of India for the English and Foreign Languages University, Hyderabad.

Appointed Honorary Director, Institute of Chinese Studies.

Prof. Anita Sharma: Visiting Faculty, Hua Fan University, Taipei, Taiwan, 5-13 September 2008.

Visiting Fellow, Chung Hwa Institute of Buddhist Studies, Jinshan, Taiwan, 13-20 December 2008.

Seminars/Conferences held

International Conference on 'Taiwan as a Factor in the Emerging Asian Security Architecture', 19-21 March 2009.

Seminars/Conferences attended

Prof. Madhu Bhalla: 'Asia's Rising Militaries and the Challenge to Asian Security.' Delhi Policy Group, New Delhi, September 2008.

'Securitization and Future Challenges to National Security,' Indian Social Science Congress, Jamia Millia Islamia, New Delhi, December 2008.

'Area Studies: Methods and Methodologies,' National Conference on Area Studies, Aligarh Muslim University, Aligarh, October 2008.

'India and the Asian Security Architecture' at SKKU, Korea, 6 October 2008.

'The Rise of Asian Militaries: Implications for Indian Security', Kangwon University, Chuncheon, South Korea, 7 October 2008.

'Changes in Chinese Management Education', Jagannath Institute of Management, New Delhi.

Prof. Sreemati Chakrabarti: Invited by ORF at a conference to launch their India-China Centre in Kolkata, Lecture on 'Chinese Studies in Delhi University', May 2008.

Delivered lectures on Chinese History and Contemporary Politics to the Indian Youth Delegation visiting China, organized by the Ministry of Youth and Sports Affairs, GOI, 26-27 June 2008.

Lecture on 'The Current Status of Higher Education in China', Administrative Staff College, JNU, 2 September 2008.

Presented paper on: 'Recent Debates on Democracy in China' organised by the Asiatic Society at an International Seminar titled India-China Interface and the Road Ahead, 28-29 November 2008.

Lecture at the Department of Political Science, School of Government and Public Administration, Sun Yat-sen University, Guangzhou, China, on 'Changing Indian Perceptions of China', 29 December 2008.

Comments on the 'Current State of Indian Women's Movement' at South China Normal University's Seminar on 'Gender and Politics', organised by the University's Department of Political Science, 30 December 2008.

Prof. Anita Sharma: Engaged Buddhism and Development in Taiwan: Role of Buddhist Nuns, United Nations Day Vesak Conference, Hanoi, Vietnam, 13-17 May 2008.

Recent Research in the Department of East Asian Studies, Second East Asia Research Scholars' Colloquium, Institute of Chinese Studies, New Delhi, 28 February 2009.

The Dalai Lama and Socially Engaged Buddhist Activities, Punjab University, Chandigarh, 2-3 March 2009.

Out of the Monastery: A Study of Buddhist Women in Taiwan, Foundation of SAARC Writers and Literature, India International Centre, 4-5 March 2009.

The Contributions of Buddhist Organizations towards Health Security, Department of East Asian Studies, Delhi University, Delhi, 19-21 March 2009.

Ms. V. Ramalakshmi: 'Japanese Language Education: Rethinking, Contents, Tools and Methods' at the International Conference on 'Changing Global Profile of Japanese Studies: Trends and Prospects', held by CJKNEAS, School of Languages, JNU, 6-8 March 2009.

Dr. Madhavi Thampi: Paper on 'China and the Making of Bombay', in International Conference on 'India-China Interface and the Road Ahead', The Asiatic Society, Kolkata, 28-29 November 2008.

Paper on 'Three examples of Sino-Indian cultural diffusion through trade in the nineteenth century', in International Conference on 'New Perspectives on Intercultural Studies', Indira Gandhi National Centre for Arts, New Delhi, 5-6 December 2008,

Mr. G. Balachandirane: Presented a paper on 'Human Capital and Economic Development of Taiwan' at the International Conference on 'Taiwan as a Factor in the Emerging Asian Security Architecture', organised by the Department of East Asian Studies, Delhi University, 19-21 March 2009.

Chaired a session on 'Science and Technology' in the National Seminar on 'India-Korea Relations in the Resurgent Asia', organised by the Researchers' Association for the study of Korea and the East Asian Studies Department, Delhi University, 21 February 2009.

Presented a paper on 'Education in India – Emerging Issues', at Hankook University of Foreign Studies, Seoul, Korea, 6 October 2008.

Presented a paper on 'Education in India – Emerging Issues' at Kangwon National University, Chuncheon City, Kangwon-do, Korea, 7 October 2008.

Presented a paper on 'IT in India: Trends, Problems and Prospects' at Kyeongsng University, 10 October 2008.

Mr. Rajiv Ranjan: Hankuk University of Foreign University, Seoul, Korea, On 'Media In India', September 2008.

Kangwon National University, Chuncheon City, Kangwon-Do, Korea, On 'Media In India', September 2008.

Chonnam National University, Kwangju City, Korea, 'Japanese Language Education In India', September 2008.

Dr. Janardan Sahu: Paper entitled, 'China's policy towards Taiwan: An assessment', presented at a National Seminar on 'China Since 1949', organised by Punjab University, Chandigarh, 2-3 March 2009.

Paper entitled, 'A New era in Cross-Strait Relations?', presented at an International Conference on 'Taiwan as factor in the Emerging Asian Security Architecture', organised by the Department of East Asian Studies and Prospect Foundation, Taiwan, 19-20, March 2009.

Publications

Bhalla, M. Guest Editor, Introduction to Special issue on China's Defense, Strategic Analysis, Institute for Defense Studies and Analysis, New Delhi (July 2008 issue)

Sharma, A. 2008. 'Continuity and Changes in the Buddhism of Taiwan', *Northern Buddhism in History*, Shankar Thapa (ed.), Kathmandu, Nepal, 2008.

Ramalakshmi, V. Co-authored, *Basic Japanese 1 and 2* (Blocks 1-6) (Teaching material for the Certificate Course in Japanese Programme launched by IGNOU, in October 2008.

ECONOMICS

Major Activities

The Department of Economics, Delhi School of Economics, is considered to be one of the premier academic institutions in terms of teaching and research and the members of the Department promote and disseminate knowledge in the field of Economics in a significant way. During the period 1 April 2008 to 31 March 2009, several faculty members published their research works in leading national and international journals. The Department has been associated with the publication of the journal *the Indian Economic Review*. Faculty members also continue to influence national debates and policy, through writings in popular journals, production of two well-regarded economic forecasts, and memberships of national committees.

The two-year M.A. course, with its large student enrolment, is the mainstay of the teaching programme. It places emphasis on quantitative methods, state-of-the-art economics, and hands-on training in the use of econometric software. Continuous efforts are made to familiarise students with the latest techniques in the field – both theoretical as well as quantitative. Students have undertaken field trips in some of these courses which gave them clearer idea about the functioning of the real economy. The Department has been very successful in placing its Master's graduates in corporate jobs as well as in Ph.D. programmes in top-grade US universities.

The computer centre that facilitates the Department's programmes has teaching and research labs 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.

M.Phil. Degree awarded

M.Phil. - 1

New Additions

Dr. Anirban Kar - Reader
Dr. Parikshit Ghosh. - Reader

Research Schemes

The Impact of Employment Protection Legislation on Indian Manufacturing. Principal Investigator Aditya Bhattacharjea, Sponsoring organization Rule of Law Program of Stanford University LawSchool,

A comparative study of inequality between India and China 1980-2005: Two papers, one comparing income, inequality in China with consumption inequality in India (regional, rural-urban dimensions) and the second paper comparing wealth inequality in the two countries. Co-authors: Ashwini Deshpande, Lopamudra Banerjee, Yan Ming, Sanjay Ruparelia,

Vamsicharan Vakulabharanam, Wei Zhong.Ashwini Deshpande India-China Institute New School, New York.

'Productivity Impact of Affirmative Action: a case study of Indian railways':Ashwini Deshpande and Thomas Weisskopf sponsoring organisation University of Michigan.

Externalities, Potential, Value and Consistency'[with Bhaskar Dutta and Lars Ehlers Anirban Kar.

The Shapley value as the maximizer of expected Nash welfare: [with Arunava Sen] Description: In this paper we provide an alternative interpretation of the Shapley value in TU games as the unique maximizer of expected Nash welfare.

Making the Punishment Fit the Crime or Taliban Justice? Optimal Penalties Without Commitment', Principal Investigator Parikshit Ghosh.

'Commitment versus Strategic Ambiguity, Principal Investigator Parikshit Ghosh.

Seminars/Conferences held

Christopher Y. Olivola: Patience Auctions: Novel Mechanisms for Eliciting Discount Rates and the Impact of Time vs. Money Framing, Princeton University, 11 September 2008.

Paul Clift: Aid and Tax Revenue: Signs of a Positive Effect since the 1980s, University of Nottingham, 18 September 2009.

Arunava Sen: Incentive-Compatible Voting Rules with Positively Correlated Beliefs, Indian Statistical Institute, Delhi, 25 September 2008.

Andriy Zapechelnyuk: Job Market Signaling and Job Search, University of Bonn, 20 November 2008.

James R. Barth: Senior Finance Fellow, The Origin of the Current Economic Crisis, Including the Switch from an Originate-to-hold Housing Finance Model to an Originate-to-Securitize Model, Milken Institute, 11 December 2008.

Alaka Holla, Post-Doctoral Fellow: Discrimination in School Access: Evidence from Test Scores in India, Harvard University, 22 January 2009.

Jacques Dreze, Prof. Emeritus, Member of CORE, Individual Decision Theory and Expected Utility, Université Catholique de Louvain, 5 February 2009.

Dinko Dimitrov: Coalitional Matchings, University of Munich, Germany, 5 March 2009.

Pompeo Della Posta: Strategic Interactions Among Central Bank and National Fiscal Authorities in a Monetary Union Subject to Asymmetric Country Shocks, Dipartimento di Scienze Economiche, Università di Pisa – Italy, 6 March 2009.

Reetika Khara: 'Group Measurement of NREGA Work: The Jalore Experiment', Centre for Development Economics, Delhi School of Economics, 26 March 2009.

Soumyen Sikdar, Calcutta University : Occupation Choice Among Prospective Labour Market Entrants: A Case of Study of New Delhi and Kolkata, 31 March 2009.

Seminars/Conferences attended

Aditya Bhattacharjea: Presented a paper on 'The Impact of Employment Protection Legislation on Indian Manufacturing' at the Centre for Policy Research, New Delhi, March 2009, organised in collaboration with the Stanford University Law School.

Anirban Kar: Presented a paper in the CDE-Econometric Society Winter School 2008, Delhi School of Economics, 13-16 December 2008.

Delivered an invited lecture on 'Quantitative Techniques in Economics' in the Economics Department of Ramakrishna Mission Vidyamandir and ISI Calcutta, Kolkata, March 2009.

Kopal Gupta: Participated in the 3rd Meeting of the Winners of the Bank of Sweden Prize in Economic Sciences in Memory of Alfred Nobel in Lindau, Sweden, 20-23 August 2008.

Mausumi Das: Participated as a discussant in the JNU-CIGI-NIPFP Conference on Growth, Inequality and Institutions, JNU, New Delhi, 27-29, 2008.

Partha Sen: Delivered an invited lecture at FAI Workshop, April 2008.

Delivered an invited lecture at Jadavpur-UNCTAD Conference, April 2008.

Delivered an invited lecture at DSE-IEG Conference in memory of V.K.R.V.Rao, April 2008.

Delivered an invited lecture at Universitas 21 Conference, Dublin, May 2008.

Delivered an invited lecture at IIFT Kolkata Conference, December 2008.

Presented a paper in a Seminar at Paris-Pantheon-Assas, June 2008.

Presented a paper in a Seminar at University of Luxembourg, October 2008.

Presented a paper in a Seminar at University of Milan, October 2008.

Presented a paper in a Seminar at University of Pisa, October 2008.

Participated as a discussant at IPF Conference, New Delhi, July 2008.

Parikshit Ghosh: Participated in the panel discussion on Affirmative Action at the 4th Annual Conference on Economic Growth and Development, ISI Delhi, 18 December 2008.

Delivered an invited lecture on Information Economics at the UGC Teachers' College, Jawaharlal Nehru University.

Sunil Kanwar: Delivered Keynote address at the National Seminar on Advocacy on Human Development, Assam Administrative Staff College, Guwahati, 14-15 May 2008.

Participated in the International Economics Association 15th World Congress, Istanbul, Turkey, 25-29 June 2008.

Presented a paper in the UNCTAD-DFID-Jadavpur University Conference on Developing Nations in the World Economy: Recent Issues in International Trade and the WTO, 17-18 April 2008.

Santosh Panda: Delivered an invited lecture at University of Thessaly, Volos, Greece, in June 2008.

Delivered the Plenary Lecture at the 6th International Conference of Japanese Economic Policy Association at Kyoto, Japan, 6 December 2008.

Delivered three invited lectures at Waseda University, Tokyo, Japan in December 2008.

Rohini Somanathan: Presented a paper on 'Social Exclusion and Group Lending', Department of Economics, University of Oslo, 13 June 2008.

Presented a paper on 'Distributional Implications of SHG Lending in India' in IFMR (Institute for Financial Management and Research), 1 August 2008.

Presented a paper on 'Social Exclusion and Group Lending' in ESMT (European School of Management and Technology), 18 November 2008.

Presented a paper on 'Inequality and Public Policy' in CSSS (Centre for Studies in Social Science), Kolkata, 3 January 2009.

Presented a paper on 'Inequality and Public Policy' in the Tenth Annual NCAER-NBER-ICRIER Neemrana Conference, 12 January 2009.

Presented a paper on 'Affirmative Action and Higher Education in India' in St. Mira's College, Pune, 9 February 2009.

Presented a paper on 'Climate Change and the Poor' at the Conference organised by the Centre for Policy Research, New Delhi (CPR), and the Centre for the Advanced Study of India, University of Pennsylvania (CASI), New Delhi, 6 March 2009.

Uday Bhanu Sinha: Participated in the National Conference on 'Corporate Sector, Industrialisation and Economic Development in India', at ISID, New Delhi, 27-28 March 2009.

Participated as a discussant in the JNU-CIGI-NIPFP Conference on Growth, Inequality and Institutions, JNU, New Delhi, 27-29 November 2008.

Pami Dua: 'Global Recession: Is the End in Sight?'. Dayalbagh Educational Institute, Agra, February 2009.

'Global Recession: Is the End in Sight?' Lady Shri Ram College, New Delhi, January 2009.

'Recession: Prospect and Retrospect', ICICI Bank, Mumbai, July 2008.

Lecture on 'Econometric Methods and Forecasting', March 2009, Workshop on Mathematical Modelling, National Institute of Science Technology and Development Studies (NISTADS) with Technology Information, Forecasting and Assessment Council and International Institute for Applied Systems Analysis (IIASA), NISTADS, Delhi.

Lecture on 'Introductory Econometrics with Computer Applications', Department of Economics, Dayalbagh Educational Institute, Agra, August-November 2008.

Lecture on 'Analysis of Business Cycles Using Coincident and Leading Indexes'. Workshop on Indexes for CSO Officers, Centre for Development Economics, Delhi, October 2008 and February 2009.

Publications

Bhattacharjea, A. 2008. 'Are Merger Regulations Diluting Parliamentary Intent?' (with Agarwal, M.), *Economic and Political Weekly*, 28 June 2008.

2008. 'India's New Competition Law: A Comparative Assessment', *Journal of Competition Law and Economics* (OUP), 4(3): 609-38.

2008. 'Krugman's Economics: An Introduction', *Economic and Political Weekly*.

Deshpande, A. 2008. 'Caste and Diversity in India', in *The Companion to Social Economics*, (ed.) John Davis, J. and Wilfred Dolfsma. Cheltenham: Edward Elgar Publishing, pp. 171-87.

2008. 'Quest for Equality: Affirmative Action in India', *The Indian Journal of Industrial Relations*, 44(2):154-63.

Kar, A. 2008. 'Allocation of multiple estates among agents with single-peaked preferences', [with Ozgur Kibris], *Social Choice and Welfare*, 31:641-66.

2009. 'On the coincidence of the prenucleolus and the Shapley value', [with Manipushpak, Mitra and Suresh Mutuswami], *Mathematical Social Sciences*, 57(1):16-25.

Pandit, B.L. 2009. *Changing Policy Regimes and Corporate Performance*, with Siddharthan, N.S., Delhi: Oxford University Press.

Sen, P. 2008. 'The Transfer Paradox in a One-Sector Overlapping Generations Model', *Journal of Economic Dynamics and Control*, 32, (co-authored with Emily Cremers).

2008. 'Developing Economies and the Environment: The Role of Trade and Capital Flows'. *Trade and Development Review* 1.

'Transfers, the Terms of Trade and Capital Accumulation'. *Canadian Journal of Economics*, (forthcoming, co-authored with Emily Cremers).

2008. 'Tobin's 'Keynesian Models of Recessions and Depression Revisited', in Laixun Zhao and Takashi Kamihigashi (eds) *International Trade and Economic Dynamics: Essays in Memory of Koji Shimomura* Springer-Verlag.

2008. 'Population Growth and Welfare: A Re-examination', in Basu, D. (ed.) *Advances in Development Economics*. World Scientific.

2008. Comment on 'Some New Perspectives on India's Approach to Capital Account Liberalization' by E. Prasad in *India Policy Forum*.

Gupta, P. 2009. 'Big Reforms but Small Payoffs: Explaining the Weak Record of Growth and Employment in Indian Manufacturing', with Rana, H. and Kumar, U. *India Policy Forum*.

2008. 'What Constrains Indian Manufacturing?', with Rana Hasan and Utsav Kumar, in *Emerging Giants: China and India in the World Economy*, (eds) by Barry Eichengreen, Poonam Gupta and Rajiv Kumar, New Delhi: Oxford University Press.

Somanathan, R. 'Mapping Indian Districts Across Census Years, 1971-2001', with Hemanshu Kumar, *Economic and Political Weekly*.

Panda, S. 'India's Growth Story: Challenges and Prospects', Plenary Lecture delivered at 6th International meeting of Japanese Economic Policy Association, Forthcoming in the *Journal of JEPA*.

Kanwar, S. 2008. 'Dynamic Output Response Revisited: The Indian Cash Crops', with Elisabeth Sadoulet, *The Developing Economies*, 46(3) : 217-41.

Book Chapters

Dua, P. 2009. 'Capital Flow Volatility and Exchange Rates: The Case of India', with Sen, P., in *Macroeconomic Management and Government Finance*, Asian Development Bank, Oxford University Press.

2008. 'India's Insulation from the East Asian Crisis: An Analysis', with Sinha, A., in *Exchange Rate Systems and Policies in Asia*, (ed.) Paul S.L. Yip. World Scientific Publishing.

Articles

Dua, P. Monthly Article on Forecasting and Tracking the Indian Economy Using DSE-ECRI Leading and Coincident Indexes (with Banerji, A.), Business Cycle Monitor, ICICI Bank.

Monographs

Dua, P. 2008. 'INDIA LINK: Economic Outlook 2008 to 2010', May 2009, CDE-DSE LINK Research Team, Centre for Development Economics, Delhi School of Economics. (Forecasts are developed as part of World Project LINK).

'INDIA LINK: Economic Outlook 2008 to 2010 (with Mid-Year Review of Indian Economy', October 2009, DSE-IEG LINK Research Team, Centre for Development Economics, Delhi School of Economics. (Forecasts are developed as part of World Project LINK.).

Refereed Journal Article

Dua, P. 'Determination of Inflation in an Open Economy Phillips Curve Framework: The Case of Developed and Developing Asian Countries', with Gaur, U., *Macroeconomics and Finance in Emerging Market Economies*.

2008. 'Analysis of Consumers' Perceptions of Buying Conditions for Houses', *Journal of Real Estate Finance and Economics*, 37: 335-50.

2008. 'Forecasting Interest Rates in India', with Raje, N. and Sahoo, S. *Margin – The Journal of Applied Economic Research*, 2: 1-41.

HISTORY

Honours/Distinctions

Dr. Prabhu Prasad Mohapatra: Organiser of the VII International Conference on Labour History in March 2009 held by the Association of Indian Labour Historians (AILH) and VVGNI.

Lecturer and Resource Person at the International Summer School of Labour History held at New College, University of Toronto, in June 2008.

Visiting Professor, Ecole Normale Superior, Cachan, Paris, 1-31 October, 2008.

Panel Coordinator (with Professor Kamla Sankaran, Faculty of Law Delhi University) of the Panel 'Labour Rights and Livelihoods in Colonial and Contemporary India' at the Innagural LASSNET Conference, JNU, January 2009.

Seminars/Conferences attended

Prof. Nayanjot Lahiri: Singapore: ISEAS Conference on 'Buddhism Across Asia: Networks of Material, Intellectual and Cultural Exchange'. Title of Keynote address: 'Before Buddhism Beyond Buddhism: Some Aspects of the Archaeology of Buddhism', 16-18 February 2009.

Prof. Upinder Singh: Delivered two lectures at Visva Bharati University, Santiniketan, on 'Reconstructing ancient religions through material remains' and 'Ancient India: The need for new histories.' 11-12 April 2009.

Presented a paper titled 'Nagarjunakonda: Interpreting the ruins of a Buddhist cosmopolis' at a Conference on 'Buddhism Across Asia, Networks of Material, Intellectual and Cultural Exchange,' 16-18 February 2009, organised by the Institute of Southeast Asian Studies, Singapore, 17 February 2009.

Dr. Prabhu Prasad Mohapatra: Presented a paper 'Antinomies of Contract: Genealogy of Labour Relations in Colonial India' in the VIIth International Labour History Conference, of the Association of Indian Labour Historians, V.V. Giri National Labour Institute, Noida, 27-29 March 2009.

'What is Colonial about Colonial Labour Laws?' Panel presentation in the Panel on 'Law and Colonialism' at the Annual Law and Society Conference, Montreal, 26-30 May 2008.

'Spaces of Regulation: Evolution of Labour Law in India' at the International Summer School on Labour History held at New College, University of Toronto, 1-14 June, 2008.

'A Moving Target: Worker in the Mirror of Law in Colonial India' in the Panel on 'Labour Rights and Livelihoods in Colonial and Contemporary India' Law and Society Research Network Inaugural Conference, JNU, New Delhi, 8-11 January 2009.

Prof. P.B. Sahu: 'Aspects of Rural Society in Early Medieval Orissa', Presented at the Seminar on Peasants in Russian, Central Asian and Indian History, Indo-Russian Joint Seminar, organised by Indian Council of Historical Research, at India International Centre, New Delhi, 7-9 September 2008.

Rituals, Royalty and Rajya in Early Medieval Eastern India', Presented at the International Conference on Ritual Dynamics and the Science of Ritual, held at Neue Universität Heidelberg, Heidelberg, 29 September-2 October 2008.

'Recent Perspectives of State Formation, Economic Growth and Cultural Assimilation in Early India', Chief Speaker's Address at the Golden Jubilee National Seminar on 'State Formation Economic Growth and Cultural Assimilation: An Orissan Experience', Organised by the Department of History. Utkal University, Bhubaneswar, 30 November-2 December 2008.

'Early Medieval Indian Polity, Indian Feudalism and Alternative Histories', Presented at the Symposium on History and History Writing in India, sponsored by the Aligarh Historians Society, at Indian History Congress, Kannur, 28-30 December 2008.

'Region in Indian Economic Historiography : The Making of Early Daksina Kosala', Presented at the National Conference on 'Writing Indian Economic History: Trends and Prospects', organised by the Department of History and Culture, Jamia Millia Islamia, New Delhi, 27-28 February 2009.

Thakran, R.C. 2009. : 'Progress Report of the excavation at Badali Harappan Site 2008, District Jhajjar, Haryana' in *Puratattva*, No.39, New Delh.

2009. 'Revisiting the Archaeological Landscape of Uttar Pradesh', the Uttar Pradesh History Congress, Proceedings of the Uttar Pradesh History Congress, Allahabad.

2009. 'Rivers and Protohistoric Settlements: Negotiating Contrasting Perceptions in the Light of Recent Explorations in Rajasthan' in the Proceedings of the Seminar on The Changing Perspectives in South Asian Archaeology, K.P. Jaiswal Institute, Patna.

Publications

Jafri, S.Z.H. 2009. 'Madrasa Education and the State in Northern India: Issues of Ideology, Identity and Multiplicity in Pre and Post Colonial Era', Seoul National University, Institute of Historical Research, South Korea, (ISSN 2005-7385).

'Contributed a section on 'Islam in India before AD 1206' in *A Comprehensive History of India*, Vol. IV-B. (eds) Professor R.S. Sharma and K.M. Shrimali: New Delhi: Manohar, pp.170-87, with a select bibliography, pp. 842-7.

2008. 'Sufi Tradition and Popular Literature: Chishti Ideology, the Awadhi dialect and local practices' in Surinder Singh and Ishwar Dayal (eds), *Popular Literature and Pre-Modern Societies in South Asia*, Delhi, Pearson/Longman, pp.271-80.

2008. 'Voices of the Vanquished: The Indigenous Literature in the Rebels World' in Kirti Narain and Mohini C Dias (eds) *1857 Revisited: Myth and Reality*, Mumbai: Himalaya Publishing House, pp.113-30.

Sahu, B.P. 2008. 'Perspectives from the Regions and the Construction of Early India', in K.L. Tuteja and Sunita Pathania, (eds), *Historical Diversities: Society, Politics and Culture*, Essays for Prof. V.N. Datta, Delhi, pp. 35-55.

2009. 'Brahmanical Conception of Origin of Jatis: A study of Manusmrti', in B.D. Chattopadhyaya (ed.), *A Social History of India*, (in D.P. Chattopadhyaya's History of Science, Philosophy and Culture in Indian Civilization, 2:(5), New Delhi: Pearson Longman : pp.43-52.

Thakran, R.C. 2009. 'The Harappa Civilization' in Satish Chandra and M.K. Dhavalikar (eds). *The Comprehensive History of India*, Vol.I, New Delhi.

Archaeological Excavations Conducted at:

The Harappan Site of Manheru, Bhiwani District, Haryana, 2009.

The Harappan Site of Badali, Jhajjar District, Haryana, 2009.

Lahiri, N. and (eds)Upinder Singh, 2009. *Ancient India: New Research*. New Delhi: Oxford University Press.

Academic Papers:

2008. 'Geographical Overview: Asia, South: Ganges Valley. *Encyclopedia of Archaeology*', (ed.) Deborah M. Pearsall : San Diego, Elsevier Inc.

2009. 'Archaeology and Some Aspects of the Social History of Early India', *A Social History of Early India*, (ed.) B.D. Chattopadhyaya. Delhi: Pearson Longman, 3-17.

Singh, U. 2008: *A History of Ancient and Early medieval India: from the stone age to the twelfth century* : New Delhi: Pearson Longman.

2009. Co-edited with Nayanjot Lahiri, *Ancient India: New Research*. New Delhi: Oxford University Press.

2009. 'Brahmana Settlements in Ancient and Early Medieval India'.

In B.D. Chattopadhyaya (ed.) *A Social History of Early India*'. *Project of History of Indian Science, Philosophy and Culture*'. Delhi: 2:(5).

2009. 'Alexander Cunningham's Contributions to Indian Archaeology.' In Gautam Sengupta and Kaushik Gangopadhyay (eds), *Archaeology in India: Individuals, Ideas and Institutions*. New Delhi: Munshiram Manoharlal, in association with the Centre for Archaeological Studies and Training, Eastern India, Kolkata.

Rangarajan, M. 2009. 'Environmental Histories of India: of states, landscapes and ecologies', in Edmund T. Burke III and Kenneth Pomeranz, (eds), *The Environment and World History* Berkeley: UC Press, pp. 229-54.

'Colonialism, Ecology and Environment, Departures and beginnings', Nandini Gooptu and Douglas Peers (ed.), *India and the British Empire. Oxford History of the British Empire Companion Series*. New Delhi: Oxford University Press.

'Nature and nationalism, Rethinking India's Nehru', in William McNeill, Jose Padua and Mahesh Rangarajan (eds) *As if nature existed, Ecological economics meets Environmental History and environmental economics*. New Delhi: Oxford University Press.

Mohapatra, P. 2009. 'From Contract to Status? Or How Law Shaped Labour Relations in Colonial India 1780-1880', in Jan Breman, Isabelle Guerin, Assem Prakash (eds) *India's Unfree Workforce: Of Bondage Old and New*. New Delhi: Oxford University Press.

GEOGRAPHY

Major Activities

The department had been active in organising Seminars and Research Forums A UGC-SAP-DRS-II National Seminar on 'Natural Resource, Inclusive Growth and Development' was organised. A Scientific Field Trip was organised to Delhi-Chandigarh-Amritsar-Delhi under the supervision of Dr. Anindita Datta. The Department has improved and equipped its cartographic laboratory and a Remote Sensing Laboratory.

Ph.D./M.Phil Degrees awarded

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

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
DRS-II Special Assistance Programme on Natural Resource Management and Environmental Implications, and Urban and Regional Planning.	Dr. Barkatullah Khan Head and Coordinator, DRS-II SAP	UGC
Remote Sensing-GIS based Landslide Inventory Analytical Hierarchy Process (AHP) in Himalayan Terrain.	Dr. Ashis Kumar Saha	DU

Honours/Distinctions

Prof. H. Ramachandran: Nominated as member of the Task Force on District Planning, Planning Commission, Government of India.

Member, Advisory Group on the Evaluation of Implementation of NREGA, PEOP, Planning Commission, Government of India.

Member, Core on Drought, National Disaster Management Authority, Government of India.

Member, the Subject Committee constituted by ICSSR.

Member, Advisory Committee of the International Collaboration Programme of the ICSSR.

Dr. Anjan Sen: Expert, Union Public Service Commission.

Resource Person, Consortium for Educational Communication (an Inter-University Centre of UGC on Electronic Media).

Examiner, Joint Recruitment Cell of Lok Sabha and Rajya Sabha.

Seminars/Conferences held

A UGC-SAP-DRS-II National Seminar on 'Natural Resource, Inclusive Growth and Development' on 27-28 March 2009.

Seminars/Conferences attended

Dr. Ashih K. Saha: International Workshop on Crysphere and Hazards for the Hindu Kush, Himalaya and Tibet Plateau, 31 March-2 April, 2008, ICIMOD, Kathmandu, Nepal (Oral Presentation on the topic 'Success Rate of Landslide Susceptibility Zonation Methods in the Himalayas').

Celebrating the Golden Jubilee of Indo-German Cooperation in Higher Education-Symposium on Education and Research in Sustainability, 7-8 September 2008, IIT, Madras (Poster Presented on topic 'Urban Heat Island and its mitigation strategy for Delhi NCT).

Publications

Khan, B.2008, *The Middle East: A Spatial Perspective*, Patna : S.T. Publication.

Gupta, R. and Sen, A. 2008, 'Monitoring Physical Growth of Ranchi City: Using Geo-Informatics Techniques', *ITPI Journal*, 5 (4): 38-48.

POLITICAL SCIENCE

Major Activities

During the last academic year, one of the major achievements was restructuring the syllabus for the B.A.(Hons.) course in Political Science to bring it up to date and help undergraduate students to effectively engage with the contemporary world. The Academic Council of Delhi University has already passed the revised syllabus which will be implemented from the current academic year (2009-10) onwards.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	6
M.Phil.	-	23

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Federation in South Asia: A Comparative Study of India and Pakistan.	Dr. Veena Kukreja	UGC
Mapping Social Exclusion and Rights of Representation: A Study of Student's Union Body in Central Universities of India.	Dr. N. Sukumar	UGC
Reasserting and Reinventing the Public in the Delivery of Services: Poverty and Rural Drinking Water.	Dr. Satyajit Singh	DU

New Additions

Dr. Navnita C. Behera	-	Professor
Dr. Rekha Saxena	-	Reader
Dr. Ashwini Kumar	-	Reader

Appointment of faculty member to higher Posts

Dr. Nivedita Menon: Appointed as Prof. in JNU.

Honours/Distinctions

Dr. Rekha Saxena: Nominated as Member of a 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 as Country Co-ordinator for India on the Global Dialogue Programme of the Forum of Federations, Ottawa, Canada, on the theme of 'Intergovernmental Relations in Federal Countries', in 2008.

Seminars/Conferences attended

Achin Vanaik: Invited as speaker for a Roundtable Plenary on Peace and Security to the 7th Asia Europe Peoples Forum, in Beijing, China, 12-16 October 2008.

Invited as the principal speaker to a Conference on Communal Harmony in South Asia and to an award-giving ceremony for Mr. Karamat Ali held in the Pakistan Institute of International Affairs, Karachi, Pakistan, 25 December 2008.

Pradip Kumar Datta: Attended the Conference on 'Gandhi and Gandhigiri: The popular afterlife of Gandhian movements in contemporary India', Keynote Address, 'The Bonfire of 1908: Passive Resistance Then and Now', A Colloquium, University of Witwatersrand, Johannesburg, 18 August 2008.

Rekha Saxena: Invited by the Institute of Social Sciences, New Delhi, to speak on 'Indian Federalism: An Overview' to a parliamentary delegation, Pakistan, 20 November 2008.

Made a presentation on the 'Challenges of Multi-layered governance in the National Capital Region of Delhi' in a Workshop organised by the Forum of Federations, Canada, and IACT, Bangalore, 20-21 October 2008.

Presented a paper on 'Vertical and Horizontal Interactions in the Indian Federal System' at IPSA RC 28 Annual Conference on Federalism in Berlin, Germany, 3-4 October 2008.

Made a presentation on the theme of 'Territorial Pluralism in India' in an International Conference at Queens University in Canada, 16-17 May 2008.

Invited as a panelist by the Commission on Centre-State Relations, Ministry of Home Affairs, to a Seminar organised in collaboration with Punjab University, Chandigarh, on Centre-State Relations, 10-11 December 2008.

Achin Vanaik: Invited as the main speaker on one side in a debate on 'Is Secularism the Solution to Communal Conflict in India' at the IInd International Conference on Rethinking Religion in India: Rethinking Secularism, New Delhi, 10-13 January 2009.

Invited as a plenary speaker on 'World Order in a Changing Geopolitical Landscape: Dangers and Opportunities' in the International Seminar on the Centenary of Hind Swaraj held at India International Centre, New Delhi, 12-14 February 2009.

Ujjwal Kumar Singh: 'Between Affirmation and Denial: Civil Political Rights and the Supreme Court of India Since the 1990s', paper presented at an International Conference on Courting Justice, the Second BISA [Brazil India South Africa] Conference, organised by NALSAR, Hyderabad, and the N.K. Nambiyar Chair of Comparative SAARC and Global South Constitutional Studies, at IIC, Delhi, 27-29 April 2008.

'Free and voluntary? Confessions, the right to silence and the construction of 'voluntary' truth', paper presented at the International Inaugural Conference of the Law and Social Science Network (LASSNET), at the Centre for the Study of Law and Governance, JNU, Delhi, 8-11 January 2009.

Presented a paper 'Swaraj and the Right to Resist', in the panel on Human Rights and Social Justice, International Conference on Social Development and the Human Civilisation in the 21st Century to observe the centenary of Hind Swaraj at India International Centre, 12-14 February 2009.

Pradip Kumar Datta: 'Communal ideology and the insufficiencies of Accommodation', Religious Accommodation and Conflict, Workshop, CSDS, Delhi, 17-18 October 2008.

'Terror and Truth: Scepticism as resistance', Seminar on Fearful and Fantastical: Monsters in Literature and Popular Cinema, Miranda House, Delhi University, 21 November 2008.

'The Image and the 'Maker': Ramkinkar Baij and the Modern Perplexities of Locating Images', Gender Discourse in Asian History: Imaging Femininity and Masculinity, International Association of Historians of Asia, New Delhi, 15-16 November 2008.

'Modes of confronting Communalism: 'Pacts', 'Communal Unity' and (Nehruvian) Secularism', Faculty Workshop, Delhi University, 6 December 2008.

'Practices of interdisciplinarity', The 2000s: Rethinking Social Categories and the Contemporary, Workshop, I.E.G., Delhi University, 18 December 2008.

Resource Person, Urban Cultures, 14th Cultural Studies Workshop, CSSSC, Kolkata (with Roskilde University, Denmark, CBS, Uganda, Sephis, Netherlands, Ford Foundation, India), Shillong, 1-4 February 2009.

'History and Literature', Research in Literary Studies: New Directions, Workshop, Department of English, Delhi University, 20 February 2009.

'War as an International event: Tracking the Anglo Boer War in South Africa and India', On the Frontlines: Interpretations of war in Literature, Media, and Reportage, UGC National Seminar, Loreto College, Kolkata, 27-28 February 2008.

'The Rizwanur movement, Gandhigiri and the ethical turn in Indian politics', Beyond Nationalism: The thought and legacy of Mahatma Gandhi, National Seminar, Jamia Millia Islamia, 26-27 March 2009.

Ujjwal Kumar Singh: 'Human Rights of the Marginalised: The Institutional Dimension', Presented at National Seminar on Human Rights and the Marginalised: Towards a New Agenda, organised by the Centre for Social Development, IIC, Delhi, 6-7 November 2008.

Presented paper 'The Judicial Nineties: Of Truth, Power and Entire State of Captivity', at National Conference on The Judicial Nineties, organised by the Alternative Law Forum, Bangalore, 11-12 May 2008.

Participated in the panel on 'Equality and Human Rights: Special Arrangements/Mecahinisms/Provisions' at the National Conference on Equality and Human Rights, organised by the Centre for Emerging Areas in Social Sciences, Panjab University, Chandigarh, 14 March 2009.

Publications

Books

Datta, P.K. 2008. 'A nineteenth century romance of counter factual time', *History in the Vernacular*, (eds.) Raziuddin Aquil and Chatterjee, P. Ranikhet: Permanent Black.

Singh, U.K. (ed.) 2009. *Human Rights and Peace: Laws, Institutions and Movements* Vol. IV of the Peace Studies Series, Delhi: Sage.

Research Articles in Books or Scholarly Journals

Vanaik, A. 2008. 'National Interest – A Flawed Notion: Explaining the Shift in Indian Foreign Policy in the Age of globalization and its Implications for the WANA Region', in Anwar Alam (ed) *India and West Asia in the Era of Globalisation*. New Delhi: New Century Publications.

2008. 'India's paradigmatic communal violence', in *Socialist Register 2009*. UK: Merlin Press.

2009. 'India the Superpower', in *South Asia 2009*, Europa World Year Book. London: Routledge Publishers.

2009. 'Reflexiones sobre los temas de poder, desigualdad e intervencion', in *Crisis Del Estado E Intervencion Internacional*, (ed) Monica Hirst, Cordoba, Argentina.

Singh, U.K. 2009. 'The Ambivalence of Citizenship: The IMDT Act (1983) and the politics of forclusion in Assam', *Critical Asian Studies*, 41(1), (co-authored).

2009. 'Penal Strategies and Political Resistance in Colonial and Independent India', in Singh, R. and Kannabiran, K. (eds.), *Challenging the Rule(s) of Law: Colonialism, Criminology and Human Rights in India*, Delhi: Sage.

Sukumar, N. 2008. 'Living a Concept: The Semiotics of Everyday Exclusion', *Economic and Political Weekly*.

2008. 'Cultural Roots of Undemocratic Order', (eds), S.K. Throat and Aryama *Ambedkar in Retrospect*'. Rawat Publications.

SOCIOLOGY

Major Activities

As part of its Golden Jubilee observances, the Department of Sociology, Delhi University, organised India's first International Ethnographic Film Festival, 26-30 November 2008. The Festival brought to the Delhi audience the best of ethnographic films and documentaries from more than 30 countries across the world.

Passions, a theatrical performance, was the third event. Conceived by Khalid Tyabji, an alumnus of the Department, it was staged on 2-3 March 2009.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	4
M.Phil.	-	16

Research Schemes

Roma Chatterji

Folk Art, State Patronage and the Global Market. This project has been funded by India Foundation for the Arts and Delhi University,

Global Events and Local Narratives: Contemporary Scroll Paintings of Bengal. From the collection of Roma Chatterji, at the Academy of Fine Arts and Literature and the Folk Arts Museum, 4/6 Siri Fort Institutional Area.

9/11 and the Scroll Painters of Bengal. Exhibition on the occasion of Kaalchakra: History Society festival of St. Stephens' College, Delhi University, 3 December 2008.

K.V. Cybil

Ethnicity and its Forms in the Plays of Anna Bhau Sathe.

He has received grants from the University to carry out fieldwork for the project.

Satish Deshpande

Teaching of Social Sciences in Hindi: An Inventory and Analysis of Current Curricular Materials.

The Research Project begun in January 2009, funded by the Higher Education Cell, Centre for the Study of Culture and Society, Bangalore. Project Budget: Rs. 5 Lakh. Project Duration: One year.

Arima Mishra

Social Construction of Heart Diseases in India: funded by Delhi University, the project examines the medical and lay discourses on heart diseases in India. Fieldwork for the project has been conducted in Delhi.

Rajni Palriwala

The Political and Social Economy of Care in India: Part of an UNRISD project covering eight countries. Advisor in this study, co-ordinated by the Centre for Economic and Social Studies and Centre for Women's Development Studies, New Delhi, which is based on secondary sources and fieldwork in rural and urban Tamil Nadu and Haryana.

Tulsi Patel

Rising Caesarean section Births: A Study of Medical Personnel : Supported by RandD, Delhi University.

Undesired Daughters: The paradox of modern India, in collaboration with Prof. Hatti supported by the Swedish Research Links.

Meenakshi Thapan

Pedagogy and Citizenship, under a grant from the Delhi University under Budget Head RandD Programme.

The Schools Project, funded by the same research grant, which involves M.A. students from the Department. These students, who volunteer to work on this project, conduct fieldwork on a part-time basis in selected Secondary Schools in Delhi.

Country Partner in EU FP7 Eurobroadmap Project on *European Union and the World Seen from Abroad*, being coordinated from the University of Paris Diderot VII, France. Initiated from 1 January 2009.

Sudha Vasan

Identities in Transition at the Margins of the Nation. Conducted ethnographic fieldwork in Himachal Pradesh and J&K, and archival research for this project with a DU faculty research grant in 2008.

Seminars/Conferences held

As part of its Golden Jubilee celebrations, the Department organised an International Seminar on the theme: *Location in the 21st Century: The Possible Futures of Sociology and Social Anthropology*. The Seminar was held from 25-27 February 2009 in the M.N. Srinivas Seminar Room at the Department. Financial support was received from ICSSR, the CAS-ASIHSS programmes of UGC and Delhi University.

International participants included two each from Brazil and South Africa and one each from Japan, China, Sri Lanka and France. Indian participants from Hyderabad, Kolkata, Pune and Delhi also attended. In all, sixteen papers were presented at the Seminar in seven working sessions, apart from the Inaugural and Valedictory sessions.

An International Seminar on *Marriage in Globalising Contexts: Exploring Change and Continuity in South Asia*, was organised in collaboration with the Department of Humanities and Social Sciences, IIT Delhi, and the Sociological Unit, IEG Delhi, 25-27 September 2008, and held at IIT Delhi. Twenty-two papers were presented by scholars from India, Bhutan, Pakistan, Japan, the UK, USA, and Canada.

An International Dialogue on *Citizenship and Civic Education: Pedagogy, Process, Practice* was held at Delhi University from 11-13 February 2009.

A Research Scholars' Workshop was held on 23 October 2008. Six M.Phil. and Ph.D. scholars presented their ongoing work. All the Workshop sessions were chaired by research students, and scholars also acted as discussants for the presentations.

Seminars/Conferences attended

Anuja Agrawal: Presented a paper titled 'Buying and Selling Wives: The Discourse on Bride-price and Dowry among the Bedias' in an International Conference titled *Marriage in Globalisation contexts: Exploring change and continuity in South Asia*, IIT Delhi, 25-27 September 2008.

Poonam Bala: Gave a lecture on 'Building Capacities: Women and Health in a Social Context', Symposium lecture at the National Conference on Towards Gender Equality in India: Reflections on Tribal and Dalit Women, the Department of Sociology, University of Lucknow, 28 February-1 March 2009.

Chaired a Session on 'Gender Perspectives' at the National Conference on *Towards Gender Equality in India: Reflections on Tribal and Dalit Women*, the Department of Sociology, University of Lucknow, 28 February- 1 March 2009.

Rita Brara: Resource person at a Conference on *Village Commons* organised by the South Asia Pro-Poor Livestock Development Program (a joint initiative of NDDDB and FAO) at the TERI campus, Gurgaon, 15-16 July 2008.

Discussant at the International Seminar on *Marriage in Globalising Contexts* at IIT Delhi, and organised jointly with the Institute of Economic Growth and the Department of Sociology, 26 September 2008.

Resource person at the deliberations on *Village Commons: Potential and Prospects*, at NDDDB, New Delhi, 10-12 November 2008.

Made a presentation on 'Bollywood's Item Numbers: A Sociological Analysis' at *The Delhi International Ethnographic Film Festival* at the Department of Sociology, Delhi University.

Read a paper titled 'Why a Cousin Becomes a Spouse: Elementary, says Levi-Strauss' at an International Seminar on *My Favorite Levi-Strauss*, organised by the French Embassy at India International Centre, New Delhi, 13 January.

Roma Chatterji: Consultant for Workshop on *Animation and Tribal Art*. A group of animation students from NID, Ahmadabad, worked with Gond artists to create a script and storyboard for a 5 minute cartoon film for children, 3-15 July 2008.

Global Events and Local Narratives : Contemporary Folk Paintings from the collection of Roma Chatterji. Held at The Academy of Fine Arts and Literature, 17-23 October 2008.

Discussant for three films and presented 'Words and Images' at the panel on visual culture at the Ethnographic Film Festival, Department of Sociology.

Popular Culture and Visuality: Thrust Area Consultant for Workshop on new media and the folk arts, Tara Publications, Chennai. This Workshop was an experiment in adapting the patua style of West Bengal to the graphic novel form by using traditional artists as illustrators, 15-21 December 2008.

Chaired panel on folk theatre at *Languages of Theatre*, 5th Annual Conference of Indian Society for Theatre Research at the School of Arts and Aesthetics, JNU, New Delhi, 28-30 January 2009

Presented 'The Crystallization of a Pictorial Narrative: 9/11 and the Chitrakars of Bengal', at *Circuits of the Popular. Cinema, Visual Art, Theatre and Performance*. The Annual Interdisciplinary International Conference of SPEAR – The School of Arts and Aesthetics Project for Education in the Arts and Resource-building, JNU, 16-18 March 2009.

Resource person and panelist at Workshop to plan collaboration between the School of Theatre, Performance and Cultural Policy Studies, Warwick, and the School of Arts and Aesthetics, JNU 19-20 March 2009.

Radhika Chopra : Presented a paper titled, 'Commemorating Hurt: Memorializing Operation Bluestar', at Centre for the Study of Developing Societies, Department of History, 11 February 2009 and Delhi University, 21 January 2009.

'Transacting Asylum: Transnational Communities, Hospitality and Political Asylum', presentation at University degli Studi di Milano, Sezione Di Studi Culturali, 31 October 2008, Rockefeller Foundation, Bellagio Centre, 4 November 2008 and International Centre for Ethnic Studies International Conference, 8 August 2008.

'Visual Mnemonics: The Museum and Memorials to Operation Bluestar', presentation at International Association of Historians of Asia, 20th Conference, JNU, New Delhi, 15 November 2008.

Presented a paper titled, 'Sent Away Boys' at Women's Studies Programme, JNU, New Delhi, 15 April 2008.

Curated, Film-cum-discussion series *Making Migrants: Dialogues through Film*, India International Centre and Public Service Broadcasting Trust, 15-18 January 2009.

K.V. Cybil: Participated as a discussant for three films at the Delhi International Ethnographic Film Festival 2008 organised by the Department of Sociology, Delhi University.

Abhijit Dasgupta: Participated as a discussant in an International Workshop on *Minorities and State*, Dhaka July.

Satish Deshpande: 'Backwardness in an Unequal, Multi-religious Society', presentation at the Symposium *Beyond the Sachar Report: Muslims in India Today*, Sanjeeda Foundation Trust, at JNU, New Delhi, 21 May 2008.

Panelist at Workshop on *Higher Education Today*, Ratan Tata Trust Higher Education Cell, and Centre for the Study of Culture and Society, Bangalore, 20-21 June 2008.

Panelist, National Consultation Workshop on *Higher Education in the XI Plan*, National University for Educational Planning and Administration, New Delhi, 29-30 July 2008.

'Higher Education and Inclusiveness', presentation at the IInd Academic Seminar of IBSA Education, Florianopolis, Brazil, 14-16 August 2008.

'Education and the Sociological Imagination', invited lecture, Faculty of Education, Jamia Millia Islamia, Delhi, 11 September 2008.

'Caste-based Inclusive Policies: The Long Road From Ideology to Implementation', presentation at Seminar on *Social Exclusion, Poverty and Livelihood of Marginalised Groups in India: Need for Effective Inclusive Strategies* at the Centre for the Study of Social Exclusion and Inclusive Policy, University of Mangalore, 24-25 September 2008.

Resource person, Workshop on *Comprehending Class: The Soweto Project* at the Centre for Social Research, University of Johannesburg, South Africa, 23-25 November 2008.

Presentation on 'Understanding Caste Statistically: The Possibilities and Problems of Macro Data' at the ESRC-ICSSR joint workshop on *Economic Restructuring, Higher Education, the Labour Market and Social Inequalities*, NASSDOC-ICSSR, New Delhi, 4-5 December 2008.

Panelist, Workshop on *The City and its Cultures*, Department of English, Hindu College, Delhi University, 15-16 December 2008.

Panelist, Indian Statistical Institute and Centre Sciences Humaine panel discussion on 'Affirmative Action in Higher Education', ISI, New Delhi, 18 December 2008.

Presentation in the Symposium on *Globalisation and Issues of Core and Periphery with special reference to Marginalised Groups in India*, XXXIV All India Sociological Conference, Indian Sociological Society, Jaipur, 27-29 December 2008.

Competing Inequalities: Keywords in the Political Vocabularies of the Present, presentation at the Social Science Methodologies Workshop, Centre for Studies in Social Sciences, Kolkata, 4-9 January 2009.

Presentation in the ICSSR Round Table on *Future Directions in Indian Social Science* Hyderabad, 29-30 January 2009.

Resource person, Workshop on *Project Work in New Sociology Textbooks of NCERT*, Vasant Valley School, New Delhi, 12 February 2009.

Panelist, 'Barack Obama: Miracle, Myth, Hype', Lady Shri Ram College, Department of Journalism, 20 February 2009.

'Post national Sociologies: Rearticulating a Politics of Location in the Contemporary World', presented at Seminar on *Location in the 21st Century: The Possible Futures of Sociology and Social Anthropology*, Dept. of Sociology, Delhi University, 25-27 February 2009.

'Repression, Welfare, Power-Sharing: Three Models of Caste Politics in Contemporary India', presented at Festschrift Workshop for Prof. D.L. Seth, Centre for the Study of Developing Societies, Delhi, 2-3 March 2009.

Resource person, Consultation on 'Caste Census planned by Karnataka State Backward Classes Commission', Centre for the Study of Social Exclusion and Inclusive Policies, National Law School University of India, Bangalore, 14 March 2009.

Deepak Mehta: Discussant at a *Curriculum Workshop* Institute of Economic Growth (IEG), 3-4 October 2008.

Presented a paper at an International Conference in Bellagio (Italy) on 'Rethinking South Asian Masculinities', 3-7 November 2008.

Presented a paper on the theme on 'Literature and City' Hindu College, 14 November 2008.

Presented a paper on 'Mapping Films' as part of International Ethnographic Film Festival, 24 November 2008.

Presented a paper on the theme of 'Political Theologies' in an International Conference, JNU, New Delhi, 9 January 2009.

Presented a paper in an International Conference titled 'My Favourite Levi-Strauss', 12 January 2009.

Arima Mishra: 'Addressing Critical Issues in Self-health Care', paper presented in the Conference on *Millenium Development Goals*, Xavier's Institute of Management and Indian Association for Social Sciences in Health, Bhubaneswar, Orissa, 7-9 April 2008.

'Children and Television: Negotiating Ideal Childhood and Ideal Parenting', paper presented at the India UK Education Research Initiative (UKERI) Conference on *Childhoods and Children's Rights in India*, CSDS, 10-11 November 2008

'Situating the 'Patient' in Patients' Illness Narratives', paper presented at the RC 12 sessions of the Indian Sociological Conference, Jaipur, 27-29 December 2008.

Rajni Palriwala: Presented a paper on 'Stratified Familialism: The Care Diamond in India', at a Conference on *The Political and Social Economy of Care*, organised by UNRISD and the Barnard Centre for Research on Women, Barnard College, New York, March 2009.

Made a presentation on 'Care without Carers? State Policy in India', at a session on *Who Cares? The Role of Families, States, Markets and Communities in Care Provision. New Evidence from UNRISD Research*. Committee on the Status of Women parallel event, UN Headquarters, New York. March 2009.

Presented a paper titled, 'Dispensing with daughters: Economy, Society, Technology in North India'. University Public Lectures, Convention Centre, Delhi University, 15 January 2009.

Special lecture entitled: 'Love, Marriage and Relatedness' at the National Conference on *Renegotiating Intimacies: Marriage, Sexualities, Living Practices*, organised by the School of Women's Studies, Jadavpur University, Kolkata, 21-23 December 2008.

'The Care Diamond: State Social Policy and the Market in India', paper presented at the third Conference of the UNRISD project on *The Social and Political Economy of Care: An Eight Country Study*, at UNRISD, Geneva, October 2008.

'Paid Care Workers in India- Domestic Workers and Anganwadi workers: Case Studies', paper presentation at the third conference of the UNRISD project on *The Social and Political Economy of Care: An Eight Country Study*, at UNRISD, Geneva, October 2008.

Tulsi Patel: 'AIDS/HIV and Women: with special reference to Panchayat Representatives'. Paper presented at the *National Convention of Panchayat Leaders*, organised by the Institute of Social Sciences, New Delhi, 24 April 2008.

Special lecture, 'Local Governance and Reproductive Choice with special reference to Women Panchayat Representatives', University of Rajasthan, Jaipur, 3 July 2008.

'Constructing Reproductive Choice: Public Opinion of a Dilemma', paper presented at the All India Sociological Society as its convener at the XXXIV the All India Sociological Conference held in Jaipur, 27-29 December 2008.

As Convenor of RC 12, organised five sessions for the Research Committee on Population, Health and Society (RC 12) of the All India Sociological Society at the XXXIV the All India Sociological Conference, Jaipur, 27-29 December 2008.

Meena Radhakrishna: 'Background and Current Status of Denotified Tribes', paper presented at the National Consultation on *Status and Future Course of Action in Relation to the Denotified and Nomadic Tribes in India*, organised by Oxfam and Social Development Research Institute, Constitution Club, Vallabhbai Patel House, New Delhi, 10-11 April 2008.

Meenakshi Thapan: Presented a paper 'Imagining Citizenship: Being Muslims, Becoming Citizens in Ahmedabad' at a session on South Asian Dilemmas at the International Dialogue on *Citizenship and Civic Education: Pedagogy, Process, Practice*, Delhi University, 11-13 February 2009.

Discussant for film *Dur Kinara* (Shores far away) by Savyasaachi Jain at the programme on 'Making Migrant: Dialogue through Film', 15-18 January 2009.

Presented a paper on 'Youth Cultures and the Making of Citizens: France and India' at the EU International meeting on *Cultures of Governance and Conflict Resolution*, New Delhi and Shimla, 20-23 November 2008.

Organised a Workshop on 'The Schools Project', the Department of Sociology, Delhi University, 28 August 2008, for students to present their final presentations on their fieldwork in different schools.

Presented varied research papers on the theme 'Citizens in the Making: Schooling, Identity and Citizenship Education' (in two settings in India and Canada), University of Richmond, University of Virginia, University of California at Berkeley, Mount Holyoke College, Buffalo State College, and the World Bank, USA, February-April 2008.

Virginius Xaxa: Presented a paper on 'Tea Garden Labour Immigrants in Assam', at a National Seminar on *Immigration and Assimilation*, Jorhat College, Jorhat, 25-27 September 2008.

Presented a paper on 'Nehru's Legacy and Tribes' at a National Seminar on *Nehru's Legacy and Modern India*, Jamia Millia Islamia University, 12-15 November 2008.

Presented a paper on 'Associationalism and Social Change in North-East India: Processes and Responses' in North Eastern Hill University, Shillong, 20-21 November 2008.

Presented a special (UGC-SAP) lecture on 'Rethinking Tribes: Issues in Contemporary India', National Symposium on *Tribes in India*, Department of Anthropology, Delhi University, 26 December 2008.

Delivered a lecture on 'Phenomenological Readings on Tribes' for an Advanced Winter Course for Ph.D. students at ICSSR Regional Centre, Mumbai, 25 January 2009.

Publications

Books

Agrawal, A. 2008. *Chaste Wives and Prostitute Sisters: Patriarchy and Prostitution among the Bedias of India*. New Delhi: Routledge.

Bala, P. (ed.) 2008. *Biomedicine as a Contested Site: Some Revelations in Imperial Contexts*. USA: Rowman and Littlefield.

Palriwala, R., et.al. 2008. *Planning Families, Planning Gender: The Adverse Child Sex Ratio in Selected Districts of Madhya Pradesh, Rajasthan, Himachal Pradesh, Haryana and Punjab* (with. Mary E. John, Kaur, R., Saraswati Raju, Alpana Sagar). Bangalore and New Delhi: Books for Change/ Action Aid.

Palriwala, R. and Uberoi, P. 2008. (eds) *Marriage, Migration and Gender*. (Women and Migration in Asia – 5), New Delhi: Sage.

Thapan, M. 2009. *Living the Body: Embodiment, Womanhood and Identity in Contemporary India*. New Delhi, London, California, Singapore: Sage.

Xaxa, V. 2008. *State, Society, and Tribes: Issues in Post-Colonial India*. Delhi: Pearson Longman.

Research Articles in Books or Scholarly Journals

Bala, P. and Kaler, A. 2008. 'Introduction- 'Contested Ventures: Explaining Biomedicine in Colonial Contexts,' in Bala, P. (ed.), *Biomedicine as a Contested Site: Some Revelations in Imperial Contexts*. USA: Rowman and Littlefield, pp. 1-8.

2008. 'Defying Medical Autonomy: Indigenous Elites and Medicine in Colonial India,' in Bala, P. (ed.), *Biomedicine as a Contested Site: Some Revelations in Imperial Contexts*. USA: Rowman and Littlefield, pp. 29-44.

2008. 'History of Biotechnology', in *The Encyclopedia of Stem Cell Research*, (eds) Clive N. Sevensen and Allison De. Ebert. Thousand Oaks, CA: Sage (USA).

Chatterji, R. 2008. 'Slum Development as a Justice Forum', in Bhargava, R., Dusche, M. and Reifeld, H. (eds.) *Justice: Political, Social, Juridical*. Delhi: Sage, pp. 203-20.

2009. 'Of Coconuts, Heads and Circles: Folk Art and the Narrative Imagination'. In Jain, P.C. (ed.) *The Magic Makers. Folk and Tribal Arts*. Delhi : Academy of Fine Arts and Literature, pp. 258-63.

- Chopra, R. 2008.** 'Family, Gender and Masculinities' in Joy Deshmukh-Ranadive (ed.), *Democracy in the Family: Insights from India*. New Delhi: Sage, pp. 183-206.
2009. 'Ghar Jawai (House Husband) A Note on Mistranslation', in *Culture, Society, Masculinities*, Vol. 1 (1) Spring.
- Deshpande, S. 2008.** 'Caste Inequalities in Rural India: A Note Based on NSSO Data' in Ahlawat, S.R. (ed.) *Economic Reforms and Social Transformation*, Jaipur/New Delhi: Rawat, pp. 158-80.
2008. 'Declining Simplistic Narratives' (part of a Symposium on the Fourth Review of ICSSR). *Economic and Political Weekly*, 43(5): 25-8. (Also published in Ira Pande (ed.), *Beyond Degrees*, New Delhi: India International Centre, pp. 76-83).
- 'Changing Social Composition in Higher Education: Mortgaging the Future,' *Seminar*, No. 587, July 2008.
2008. 'Theorising the Present: Problems and Possibilities', with Mary E. John, *Economic and Political Weekly*, 43(46): 83-6.
2008. 'Changing Social Composition', *Seminar*, No. 587, pp. 23-6.
2008. 'Exclusive Inequalities: Merit, Caste and Indian Higher Education Today' in Sukhadeo Thorat and Kumar, N. (eds), *In Search of Inclusive Policy: Addressing Graded Inequality*. Jaipur/New Delhi: Rawat Publications, pp. 321-37. (Originally published in *Economic and Political Weekly*, 41(24): 17-23 June, 2438-444 : 2006.
2008. (with Yadav, Y.) 'Redesigning Affirmative Action: Castes and Benefits in Higher Education' in Thorat, S. and Kumar, N. (eds.), *In Search of Inclusive Policy: Addressing graded inequality*, New Delhi, Jaipur : Rawat Publications, pp. 191-208. Also in Rajagopalan, S. (ed.) *Affirmative Action: Perspectives and Experiences*. Hyderabad: ICFAI Publications, pp.122-40. (Originally published in *Economic and Political Weekly*, 41(24) : 2419-24.
- Kumar, T.** 'Globalization and its Impact on Dalits' (in Hindi) in Biswal, T. (ed.), *Human Rights, Gender and Environment*. New Delhi: Viva Books, pp. 21-36.
- With Bhattu, H.K. 'Caste, Class, Gender and Ethnicity as Distinct Categories and Interconnections' (in Hindi) in Biswal, T. (ed.), *Human Rights, Gender and Environment*, New Delhi: Viva Book, pp. 3-19.
- Mishra, A. 2008.** 'Insiders and Outsiders: Studying Tribal Villages', in Georg Pfeffer and Deepak Behere, D. (eds) *Contemporary Society: Tribal Studies Series* , 7, New Delhi: Concept, pp. 79-93.
- Palriwala, R. and Patricia Uberoi, 2008.** 'Exploring the Links: Gender Issues in Marriage and Migration' in *Marriage, Migration, and Gender*, Palriwala, R. and Uberoi, P. (eds.), New Delhi: Sage.

2008. 'Economics and Patriline: Consumption and Authority within the Household'. Reprinted in Mary E. John (ed.), *Women's Studies in India: A Reader*. New Delhi: Penguin Books.

Patel, T. 2008. 'India's Missing Daughters: Caught between Individual Rationality and Public Good', in *Social well-being and Gender Equity in a Globalising World: Dialogue between India and Finland* (e-book, Saaval Minna and Sangita Julathinal), Chapter 5. INSEED/Vaestolitto. Finland, 1-17.

2008. 'Indigenous Fertility Control', in Desai, V. and Robb, P.R. (eds) *Companion to Development Studies*. London: Hodder Education.

2008. With Vanshree Joseph. 'Interview on Gender, Political Participation and Health Care in India. *Equal Opportunities International*, 27(1): 112-7.

Radhakrishna, M. 2008. 'Crime of Vigilante Justice,' *Economic and Political Weekly*, XLII (2): 16-8.

2008. 'Laws of Metamorphosis: From Nomad to Offender', in Kannabiran, K. and Singh, R. (eds), *Challenging the Rules(s) of Law: Colonialism, Criminology and Human Rights in India*, Sage, pp. 3-27.

2008. 'Stratification amongst the Disadvantaged: Identifying the rock-bottom layers', in Desai, Lord Meghnad (Guest ed.), *Indian Journal of Industrial Relations: A Review of Economic and Social Development*, Special issue on Affirmative Action, Shri Ram Centre for Industrial Relations and Human Resources, 44(2): 201-8.

Xaxa, V. 2008. 'Tribe and Justice', in Bhargava, R., Dusche, M. and Reifeld, H. (eds), *Justice: Political, Social, Juridical*. New Delhi: Sage pp. 289-308.

2008. 'Women and Gender in the Study of Tribes in India', in Mary E. John (ed.), *Women's Studies in India. A Reader*. New Delhi : Penguin Books, (Reprinted).

2008. 'Tribe, Conversion and the Sangh Parivar', in Kunnumpuram Kurien, S.J. (ed.). *Force, Fraud or Free Choice? Interdisciplinary Perspectives on Conversion*. The Bombay Saint Paul Society, Bombay (Reprinted).

2009. 'The Concept of Indigenous Peoples in India', in Christian Erni (ed.), *The Concept of Indigenous Peoples in Asia. A Resource Book*. Copenhagen/Chiang Mai. International Working Group for Indigenous Affairs and Asia Indigenous Peoples Pact Foundation, 2008. 'Tribes, Conversion and the Sangh Parivar', in Kumar, D. and Yemuna Sunny (eds). *Proselytisation in India: The Process of Hinduisation in Tribal Societies*. Bhopal : Aakar Books (Reprinted).

SOCIAL WORK

Major Activities

The Department has organised an International Conference, two National-level Seminars and 45 training programmes. The faculty have 14 research projects on different themes. DU supported its innovative action project UDAI –II (University for Development Action and Integrated Learning) in flood-affected villages of Bihar and developed a low-cost model of relief and rehabilitation. The efforts led to the formation of a community based organisation named UDAI SAHYATRI, which is taking care of the needs of the people in the affected areas. The DSA- ASIHSS support entered its last phase. With the help of NACO, the State Training and Resource Centre (STRC) has been set-up to develop a sustainable system for capacity building of NGOs/Civil Society under NACP-III. Another hallmark of the year has been the creation of a Gender Resource Centre – *Suvidha Kendra* at Burari village by the Government of NCT, Delhi.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	4
M.Phil.	-	3

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Mapping of Construction Workers in NCT of Delhi.	Prof. Sanjai Bhatt	Delhi Building and other Construction Workers Welfare Board.
Transitional Education Centres under INDUS project: An Evaluation Study.	Prof. Sanjai Bhatt	International Labour organization, New Delhi.
Evaluation of Mother NGOs of SSS Scheme.	Prof. Sanjai Bhatt	Govt. of NCT of Delhi
Negotiating Existence: Mapping Experience of Vendors in University of Delhi Campus.	Prof. Sanjai Bhatt	R&D Division of DU
Social Assessment Study of HiWEL Learning Stations.	Prof. Sanjai Bhatt	NIIT
School Adjustment of Adolescents - An Empirical Study.	Prof. Sushma Batra	R&D Division of DU
Due Diligence Process for the CII Women Exemplar Award 2008 and 2009.	Dr. Manoj K. Jha	Confederation of Indian Industries

A Situation Analysis of the Elderly in Burari Community: A Basis for Need Based Intervention.	Dr. Neera Agnimitra	R&D Division of DU
Rational Use of Drugs in the Community (ongoing Research (Co Director) Cum Advocacy Project in two states of Uttar Pradesh and Bihar).	Dr. Neera Agnimitra	DSPRUD and CORDAID MEMISA, Netherlands
Media Representation of Elderly in India.	Dr. Archana Kaushik	ICSSR, New Delhi
NICE Project for Training Professionals in Geriatric Care: An Evaluation.	Dr. Archana Kaushik	PREM Division, Ministry of Social Justice and Empowerment
Delhi University Campus Safety: Perception and Experiences of Students.	Dr. Pamela Singla	R&D Division of DU
A Study of Delhi University Women's Association.	Dr. A. Shahin Sultana	R&D Division of DU
A National Evaluation Study of Govt. of Indira Awaas Yojana.	Dr. A. Shahin Sultana	Planning Commission, India

Appointment of faculty members to higher Posts/Assignments

Prof. Sneh Lata Tandon has proceeded on sabbatical leave for one year to take up academic assignments at Seoul National University, South Korea.

Dr. Akash Gulalia joined the Department of Social Work, BPS Women University, Khanpur Kalan, Sonapat, as Professor in Social Work.

Seminars/Conferences held

International Conference on Urban Planning And Development, 'World Class Cities for All: Inclusive Planning for the Working Poor', jointly organised by DSSW, Street Net, Durban, South Africa, and NASVI, 14-18 April 2008.

National Seminar on Rehabilitation of Prisoners: Preventive, Reformative and Need for New Interventions, in association with the National Institute of Social Defence, New Delhi, 19-21 March 2009.

Seminars/Conferences attended

Prof. Sanjai Bhatt: 'Challenges of Higher Education', in the Seminar on Challenges of Higher Education and the Challenges of Human and Social Development, organised by PRIA, New Delhi, 26 August 2008.

Presented a paper on 'Social work Tradition in Sikh Religion', in 5th National Seminar on Social work Response to HIV/AIDS, organised by NAPSWI and IGNOU at Indian Social Institute, Bangalore, 28-31 August 2008.

Prof. Sushma Batra: Presented a paper on 'Care of Older Persons in a Metropolis : A Multilateral Approach', in International Symposium and Conference of Gerontology and Geriatrics and 14th Biennial meeting of the Association of Gerontology (India), organised by the Department of Psychology, Sri Venkateshvara University, Tirupati, 16-18 December 2008.

Chaired a session in the above-mentioned Conference on Psychosocial Gerontology (Poster Presentation), 17 December 2008.

Presented a paper on 'Educational Status and Rights of Deaf Women', in VII National Conference for Deaf Women at Vishwa Yuvak Kendra, 28 December 2008.

Dr. Neera Agnimitra: YUVA Meet on Climate Change, Delhi Sustainable Development Summit 2009, The Energy and Resource Institute (TERI), Vishwa Yuvak Kendra, New Delhi, 2-3 February 2009.

Dr. Pamela Singla: 'Women's Empowerment in India: Issues, Challenges and Successes', paper presented at the National Seminar on Women's Empowerment in India: Issues and Challenges, organised by the Department of Economics, Osmania University, Hyderabad, 23-24 March 2009.

'Elimination of Violence against Women through Community Participation', paper presented at the *Empowerment Seminar for Women Leaders in the Asia-Pacific Region* on the Seminar theme 'Eliminating Violence against Women—Sharing various forms of Partnership and Collaboration', organised by National Women's Education Center of Japan, Japan, 6-15 November 2008.

Dr. A. Shahin Sultana: Presented a paper on 'Understanding the Vulnerability of young children (0-6 years) in Natural Disasters and proposing a Strategic Framework of Action', at a Regional Seminar on Natural Disasters and Conflict and its implication in realizing child rights organised by the Department of Social Work, Jamia Millia Islamia, Delhi and Save the Children Sweden, South and Central Asia at Jamia Millia Islamia, Delhi, 6-7 November 2008,

Presented a paper on 'A Random Survey of Child Beggars in the North District of NCT of Delhi', under the theme 'Children Engaged in Begging: Measures for Intervention' in a National Seminar on The Problem of Beggary Realities: Challenges and Interventions, Jayaprakash Institute of Social Change, Kolkata, 21 February 2009.

Participated in a National Consultation on Mainstreaming Child Rights, organised by Chetna at India International Centre, New Delhi, 24-25 November 2008.

Participated in a International Seminar on Childhoods and Children's Rights in India organised by the CSDS, under UK-India Education Research Initiative, Delhi, 10-11 November 2008.

Participated in an International Conference on Children! Inclusion! Equity! Quality! Schooling for All: Strategies to ensure Quality education for Disadvantaged Children, organised by Plan International and UNESCO, Delhi, 19 September 2008.

Dr. Archana Kaushik: Organising Secretary of the National Seminar on Rehabilitation of Prisoners: Preventive, Reformatory Methods and Need for New Intervention, jointly organized by the Department of Social Work and National Institute of Social Defence, New Delhi, 19-21 March 2009.

Ms. Nemthiangai Guite: Presented a paper on 'Indigenous Knowledge, Traditional Medicine and Intellectual Property Rights Concerns for Tribal in North East India', at the Seminar on Globalization and its Challenges to Social Work Profession', organised by the Department of Social Work, Mizoram University, 19-20 June 2008.

Participated in an 'International Conclave on Medicinal Plants for ASEAN and BIMSTEC countries', organised by the Forest Department, Manipur State in collaboration with the National Medicinal Plant Board, Department of AYUSH, Ministry of Health and Family Welfare, with support from World Health Organisation, DONER, Govt. of India, and Department of Commerce, Ministry of Commerce and Industries, GOI, held in (Regional Institute of Medical Sciences), Imphal, Manipur, 10-12 December 2008.

Publications

Agnimitra, N. 2009. Course Module on 'Community Organisation Management for Community Development' for the M.S.W. Programme of Indira Gandhi National Open University, New Delhi.

Batra, S. and Bharadwaj, T. 2008. 'Social Work Intervention in Psychosomatic Pain Disorder', in Laldas, D.K. (ed.), *Social Work Research Methods of Social Work*, Jaipur: Rawat Publications.

Bhatt, S. 2009. 'History of Social Work Education and Social Work Literature in India', New Delhi: School of Social Work, IGNOU.

Guite, N. 2009. 'HIV/AIDS: Nature and Demography', unit in M.A. Social Work course material, IGNOU, New Delhi.

2009. 'HIV/AIDS: Treatment and Care, Vaccine Issues', unit in M.A. Social Work course material, IGNOU, New Delhi.

2009. 'Impact of Structural Adjustment Programme on Health of the Poor in India – A Future Strategy', Chapter in *Privatisation on Health Services – Implications on the Marginalised*. ISI publication.

Jha, K. Manoj 2008. 'Breaking Barriers: Contemporary Social Work Through the Corridors of Sociology', in *Practicing Sociology*, ICFAI University Press.

2009. 'Identifying Reasons for Exclusion: A Participatory on Children out of School in Bihar and Uttar Pradesh'.

2009. 'Understanding the Political Discourse on HIV and AIDS in India', UNAIDS.
- Kaushik, A. 2008. 'How vulnerable are elderly women in the state of Orissa'. *Social Defence Journal*, NISD, Ministry of Social Justice and Empowerment.
2008. 'Factors influencing sense of security among elderly women'. *Indian Journal of Gerontology*, 22(2).
2009. Prepared chapters on a) Socio-cultural context of HIV/AIDS, b) Socio-economic impact of HIV/AIDS, c) Testing of HIV/AIDS, d) Concept of Family and Marriage, e) Family Life Cycle, f) Family and Marriage in the Changing Society, g) Social Work with Families, h) Understanding Man and Woman, i) Parenting Adolescents and Youngsters and j) Contemporary Problems in Family System, for PG level courses on social work, School of Social Work, IGNOU, New Delhi.
2009. Contributed a chapter titled 'A situational analysis of health needs and their service utilization by elderly women in India', in *Privatisation on Health Services – Implications on the Marginalised*, New Delhi: ISI.
- Kaushik, A. and Khan, M.Z. 2008.** 'Ageing: Policies and Programmes in India', *BOLD, United Nations International Journal on Ageing*, Malta.
- Sharma, S. 2008.** 'Human Resource Management – A profession in Dilemma'. *The Indian Journal of Industrial Relations*, 43(3).
2008. 'Women Managers and Management of Human Resources Contemporary Social Work', *Y 11*, Issue 1 July.
- Sultana A. Shahin, 2008.** 'Quality in Early Childhood Care and Education in Chennai Corporation Nursery Schools', abstract published in *Early Childhood Care and Development (ECCD)*, Edited by Dr. K. Shanmugavelayutham and assisted by Fr. E. Nithya Sahayam, TN-FORCES, Dept. of Social Work, Loyola College, Chennai.
2009. *Quality in Early Childhood Care and Education: A Study of Chennai Corporation Nursery Schools*, Delhi: Manak Publications.

FACULTY OF MEDICAL SCIENCES

ANATOMY (MAMC)

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>
Morphological and functional maturation of the Human cochlea.	Dr.S. Mishra, Dr.J.M. Kaul and Dr.A. K. Agarwal
Auditory cortex maturation in the human foetus.	

Assessment of numerical and structural chromosomal abnormalities in primary and secondary infertility patients using basic karyotyping techniques.	Dr. Dinesh Kumar, Dr. Sabita Mishra and Dr. J M Kaul
Ultrastructural changes in the placental membrane pregnancies associated with diabetes.	Dr. R. Verma, Dr. J.M. Kaul and Dr. Sabita Mishra.
Maturation of the Human Inferior Colliculus.	Dr. Sabita Mishra
Synaptogenesis of human cochlea during prenatal period.	Dr. S. Mishra and Dr. J.M. Kaul
Maturation of auditory cortex and chick embryo explants.	Dr. S. Mishra and Dr. J.M. Kaul
Plastination of Human Cadaveric Hand and Foot.	Dr. N. Vasudeva
Maturation of the Auditory Cortex by Observing Expression of Synaptophysin, N Cam, and Map-2 labelling of dil in Neural tube of Chick Embryo.	Dr. S. Mishra
Cytogenetic study of patients with Infertility.	Dr. Dinesh Kumar
Effect of Chlorpyrifos on the Development of brain of Chick Embryo.	Dr. Anita Mahajan

Seminars/Conferences attended

Dr. J.M. Kaul and Dr. S. Mishra: Presented papers (i) Scanning electron microscopic study of the developing human cochlea and (ii) Histogenesis and maturation of general sensory, visual and auditory cortex in human, Conference on Cell Replacement in the Inner Ear, organised by University of Washington, Bethesda, Maryland, 11-15 June 2008.

Publications

Verma R., Prasad, R., Mishra, S. and Kaul, J.M. 2008. 'Vascular pattern of chorionic blood vessels of placenta and its correlation with the birth weight of neonate'. *Int. J. of Morphology* , 26:(2)

Wadhwa, S., Vasudeva, N. and Kaul J.M. 2008. 'A rare constellation of multiple anomalies of upper limb'. *Folia Morphologica*, 67(4): 236--9.

Jacob, T., Modgil, V., Rana, K.K. and Das, S. 2008. 'Multiple vascular anomalies in the abdomen: A Gross Anatomical Study'. *International Journal of Morphology*, 26 (3).

ANATOMY (LHMC)

Research Scheme

<i>Title</i>	<i>Principal Investigator</i>
Correlation of Adiponectin levels in obese and non-obese Patients of I.H.D with cardiovascular profile.	Dr. Anita Tuli

Honours/Distinctions

Dr. S. Raheja: Received Shri Satya Paul Sabharwal Medal for best contribution towards LHMC Alumni Association, December 2008.

Seminars/Conferences attended

Dr. Shipra Paul, Dr. Smita Kakar, Dr. Anita Tuli and Dr. Shashi Raheja: Chairperson, LVI NATCON, ASI, BHU, Varanasi, 26-29 December 2008.

Dr. Shipra Paul, Dr. Smita Kakar, Dr. Anita Tuli and Dr. Shashi Raheja: Participant, CME on Electron Microscopy, BHU, Varanasi, 26 December 2008.

Dr. Shipra Paul: Attended XII Asian Oceanian Congress of Neurology, Indian Academy of neurology, India Habitat Centre, New Delhi, 23-26 October 2008.

Publications

Das, S. and Paul, S. 2008. 'Unilateral absence of the lunate sulcus: an anatomical perspective'. *Romanian Journal of Morphology and Embryology*, 49(2): 257-8

2008. 'Anomalous pseudoganglion and its branches: A case report'. *Clinical Anatomy*, 21(8): 805-6.

Tuli, A., Mangal, A., Dixit, S.G., Choudhary, R. and Sangwan, S. 2008. 'Incidence, morphology and clinical relevance of bony canals and vascular grooves in the paracondylar regions of adult human skulls'. *Journal of Clinical Neuroscience*, 15: 692-8.

ANATOMY (UCMS)

New Additions

Dr. Surbhi Wadhwa	-	Lecturer
Dr. Shilpi Gupta Dixit	-	Lecturer

Seminars/Conferences attended

Dr. Veena Bharihoke: Presented a paper and chaired a session in LVI NATCON of the Anatomical Society of India, Varanasi, 27-29 December 2008.

Dr. Veena Bharihoke, Dr. Renu Chauhan, Dr. Jugesh Khanna, Dr. Kamlesh Khatri and Dr. Mahindra Nagar: Attended CME-cum-Workshop on 'Electron Microscopy in Medical Research', IMS, Varanasi, 26 December 2008.

Dr. Renu Chauhan, Dr. Jugesh Khanna, Dr. Kamlesh Khatri and Dr. Mahindra Nagar: Attended LVI NATCON of the Anatomical Society of India, Varanasi, 26-29 December 2008.

Publications

Manumati, M., Nagar, M. and Prakash, R. 2008. 'Histomorphometric study of the liver cells in carbaryl treated albino rats'. *J. Anat. Soc. of India*, 57(1): 78.

Ralte, S., Khatri, K. and Nagar, M. 2008. 'Short-term effects of zoledronate on the Morphology of osteoclast in young albino rats'. *J. Anat. Soc. of India*, 57(1): 81.

Singh, L., Bharihoke, V, Khatri, K. 2008. 'Morphometric analysis of mamillary body in the rat'. *J. Anat. Soc. of India*, 57(1): 79 .

Singh, L., Bharihoke, V. and Khatri, K. 2008. 'Effect of electroconvulsive shock on nnannillary body of adult albino rat'. *J. Anat. Soc. of India*, 57(1): 84.

ANAESTHESIOLOGY (UCMS)

New Additions

Dr. Poonam Motiani

Dr. Mahur Mehta

Honours/Distinctions

Dr. Mahendra Kumar: Peer reviewer for *Indian Journal of Anaesthesiology*.

Dr. Medha Mohta: Nominated to 'Who's Who in the World 2009'.

Dr. Ashok Kumar Saxena: Elected Chief Executive Editor of *Indian Journal of Pain*, official Journal of the Indian Society for the Study of Pain.

Selected Advisory Panel Member by National Academy of Medical Sciences for selection of Fellows in Anaesthesia.

Dr. Asha Tyagi: Best research paper (poster) award in 1st International Conference of Obstetric Anaesthesia.

Invited reviewer for *Journal of Clinical Anaesthesia* and *Yonsei Medical Journal*, International indexed.

Dr. Debyani Dey: Awarded Kops Award in National Annual Conference of ISA, Jodhpur, December 2008.

Dr. Anil Kumar: Best research paper presentation (poster) awarded Dr. Anil Kumar in 1st International Obstetric Anaesthesia Conference, September 2008.

Seminars/Conferences attended

Dr. Sharmila Ahuja : Participated as co-author in poster presentation in World Congress of Pain, Glasgow, UK, 19-22 August 2008.

Dr. Sharmila Ahuja Dr. Sujata Chaudhary, Dr. A.K. Saxena, Dr. A. Tyagi and Dr. Medha Mohta: Delivered guest lecture at National Annual Conference of ISA, Jodhpur, 26-29 December 2008.

Dr. Sujata Chaudhary, Dr. Nandita Joshi, Dr. Surendra Kumar, Dr. A.K. Sethi and Dr. A. Tyagi: Attended International Conference on Recent Advances in Anaesthesia, AIIMS, 30 January–1 February 2009.

Dr. A.K. Saxena: Presented a Research paper in World Congress of Pain, Glasgow, UK, 19-22 August 2008.

Attended and delivered a guest lecture at the National Conference of ISSP-ISSPCON, Hyderabad, 5-8 February 2009.

Dr. A.K. Sethi: Delivered guest lecture on 'Interpretation of Blood Gas Reports made easy', LVI Annual National Conference of the Indian Society of Anaesthesiologists, 26-29 December 2008.

Research Scheme

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
A Randomized Double Blind Multicenter Dose Ranging Study of the Efficacy and Safety of Pregabalin Compared to Placebo In the Adjunctive Treatment of Post Surgical Pain after Primary Inguinal Hernia Repair.	Prof. Ashok Kumar Saxena	Pfizer, USA

Publications

Chaudhary, S., Chawla, R. AND Rajpal, E. 2009. 'Epidural midazolam as pre-emptive analgesic for postoperative pain relief: A prospective randomized clinical study'. *J Anaesth Clin Pharmacol*, 25: 46-8.

Chaudhary, S. 2009. 'Paediatric anaesthesia - Case scenarios'. *ISA News Bulletin*, 10.

Choudhary, S., Sethi, A.K., Motiani, P. and Adatia C. 2008. 'Effect of preoperative intravenous fluid therapy with crystalloids or colloid on postoperative nausea and vomiting'. *Indian J Med Res.* 127: 557-81.

- Chugh, S., Tyagi, A. and Kumar, A. 2009.** 'Repeated successful anaesthesia in a 110-year old'. *Injury*, 40: 112-3.
- Garkoti, R., Sethi, A.K., Tyagi, A., Mohta, M. and Agarwal, D. 2009.** 'Depth of femoral and sciatic nerves and its correlation with anthropometric parameters'. *J Anaesth Clin Pharmacol*, 25: 59-62.
- Girotra, G., Saxena, A.K. and Sharma, J.P. 2008.** 'Chemical neurolysis and botulinum neurotoxin in the management of spastic cerebral palsy: An effective innovative strategy'. *Indian J Pain*, 22:109-113.
- Kumar, A. and Tyagi, A. 2009.** 'Dixon and Massey's method: The starting dose'. *Anesth Anal*, 108: 378.
- Kumar, M., Saxena, N. and Saxena, A.K. 2008.** 'The effect of a colloid or crystalloid preload on hypotension' caused by induction of anaesthesia with propofol and fentanyl'. *J Anaesth Clin Pharmacol*, 24: 409-12.
- Mohta, M., Agarwal, O., Gupta, L.K., Tyagi, A., Gupta, A. and Sethi, A.K. 2008.** 'Comparison of potency of ephedrine and mephentermine for prevention of post-spinal hypotension in caesarean section'. *Anaesth Intensive Care*, 36: 360-4.
- Mohta, M., Bhagchandani, T., Tyagi, A., Pendse, M. and Sethi, A.K. 2008.** 'Haemodynamic, electrolyte and metabolic changes during percutaneous nephrolithotomy'. *Int Urol Nephrol*, 40: 472-82.
- Mohta, M., Dickson, R.E. and McNeill, J.M. 2008.** 'What do we mean by the term poly trauma'. *Injury*, 39: 962-3.
- Mohta, M., Kumari, N., Tyagi, A., Sethi, A.K., Agarwal, D. and Singh, M. 2009.** 'Tramadol for prevention of post-anaesthetic shivering - a randomized double blind comparison with pethidine'. *Anaesthesia*, 64:141-6.
- Motiani, P., Jain, A.K. and Singh, M. 2009.** 'Shearing of plastic coating of an intubating stylet - Potential for tube obstruction'. *J Anaesthesiol Clin Pharmacol*, 25(2): 105-6.
- Saxena, A.K., Aggarwal, B., Mangla, O., Banerjee, B.D. and Sharma, M. 2008.** 'Evaluation of oxidative stress status and its modulation following stellate ganglion block in patients with Chronic Shoulder Hand Pain Syndrome'. *Indian J Pain*, 22: 92-6.
- Saxena, A.K., Arora, A., Tandon, O.P., Gulati, M. and Bhattacharya, A. 2008.** 'Cognitive effects of epidural or intramuscular morphine premedication and evaluation by event related evoked potentials (P300)'. *J Anesth Clin Pharmacol*, 24:147-54.
- Saxena, A.K. and Girotra, G. 2008.** 'Care of elderly outside operating room'. In: *Applied Geriatric Anesthesia*, (ed.) Kumar, V.P. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., pp. 211-44.

- Saxena, A.K.** 2008. 'Gender and pain research: Women and men really are different'. *Indian J Pain*, 22: 57-9.
2009. 'Management of patient with low back pain: Case facts'. *Excerpta Medica*, Elsevier, New Delhi, 1A: 1-3.
- Sethi, A.K., Arora, A., Tyagi, A. and Mohta, M.** 2008. 'Right-sided spontaneous diaphragmatic hernia with hydropneumothorax - A difficult diagnosis?' *SAARC, J Anaesth*, 1: 94-6.
- Sethi, A.K., Mohta, M. and Tyagi, A.** 2009. 'Geriatric trauma- A short review'. *MJDYPU*, II: 3-9.
- Sethi, A.K., Tyagi, A. and Mohta, M.** 2008. 'Septicaemic shock'. *MJDYPU*, 3: 3-12.
- Sharma, P. and Ahuja, S.** 2008. 'Anaesthesia in a patient with mixed connective tissue disease'. *J Anaesth Clin Pharmacol*, 24: 221-4.
- Singh, R., Saxena, S., Joshi, C., Singh, N.P. and Ahuja, S.** 2008. 'Bacterial colonization of lumbar epidural catheters for postoperative analgesia: Implications for clinical practice'. *J Anaesth Clin Pharmacol*, 24: 183-8.
- Tyagi, A., Ghaus, M.S., Girotra, G., Chaudhary, S., Bhardwaj, R., Mohta, M. and Sethi AK.** 2009. 'Inspiratory stridor following oral mercurous and mercuric chloride poisoning'. *J Anaesth Clin Pharmacol*, 25: 235-6.
- Tyagi, A., Kumar, A., Sethi, A.K. and Mohta, M.** 2008. 'Epidural volume extension and intrathecal dose requirement: plain versus hyperbaric bupivacaine'. *Anesth Analg*, 107: 333-8.
- Tyagi A.** 2008. 'Epidural volume extension and role of baricity'. *Eur J Anaesthesiol*, 25: 609--10.
2008. 'Management of sepsis - What's new?' In: *Monthly Bulletin of ISA*, Delhi Chapter, 4, pp. 3-5.
2009. 'Sequential allocation method'. *Anesth Analg*, 108: 379.

BIOCHEMISTRY (MAMC)

Major Activities

Fully automated clinical chemistry analyzer Beckman DXC 800 Pro and Beckman CX5 Pro (**one each.**) and Sysmex CA-50 semi auto coagulometer were installed in the central biochemistry lab.

New Addition

Prof. B.C.Koner

Research schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Study of polymorphism of HDL receptor SR-B1 locus in patients of premature coronary artery disease.	Dr. Alpana Saxena	CSIR
A study to evaluate the role of FAS and FASL polymorphism and surviving expression in patients of breast carcinoma.		Govt of NCT, Delhi
An <i>in vitro</i> study to find out effect of sera from leprosy patients on activation of mouse macrophage cells induced by IFN, LPS, and BCG	Dr. P.C.Ray	Govt. of NCT, Delhi

Seminars/Conferences attended

Dr Sarita Agarwal, Dr. S.K. Gupta, Dr. T.K. Mishra, Dr. P.C. Ray, Dr. P. Lali Dr. B.C. Koner. Dr.Mala Mahto, Dr Sangeeta, Dr. Poonam Aggarwal and Dr. Usha Dudeja: Attended the conference, presented papers and delivered guest lectures and chaired sessions, XVI National Conference of Association of Medical Biochemists of India, Govt Medical College, Chandigarh, 13-16 November 2008.

Dr. S. Agarwal, Dr.A.Khaneja and Dr. P.C.Ray: Participated in panel discussion and chaired different scientific sessions, XXXV Annual National Conference of Association of Clinical Biochemists of India (ACBICON-2008), Kolkata, 19-21 December 2008.,

Dr.Sarita Agarwal: Delivered a lecture on 'Foetal origin of adult diseases', XVI National Conference of Association of Medical Biochemists of India (AMBI), Govt Medical College, Chandigarh, 13-16 November 2008.

Dr. S. K. Gupta: Delivered a lecture on 'Cancer Immunology: Recent Understanding and Therapeutics Implications', XVI National Conference of Association of Medical Biochemists of India (AMBI), Govt Medical College, Chandigarh, 13-16 November 2008.

Publications

Goswami, K., Nandakumar, D.N., Soundravally, R., Nandeesha, H., Das, V., Nalini, P. and Koner, B.C. 2008. 'Congenital afibrinogenemia diagnosis by estimating plasma fibrinogen by conventional method with clinical correlation: A case report'. *Indian J Pathol Microbiol*, 51(2): 339-40

Nandeesha, H., Koner, B.C. and Dorairajan, L.N. 2008. 'Altered insulin sensitivity, insulin secretion and lipid profile in non-diabetic prostate carcinoma'. *Acta Physiologica Hungarica*, 95(1): 97-105.

Nandakumar, D.N., Koner, B.C., Vinayagamoorthi, R., Nanda, N., Negi, V.S., Goswami, K., Bobby, Z. and Hamide A. 2008. 'Activation of NF- κ B in Lymphocytes and Increase in Serum Immunoglobulin in Hyperthyroidism: Possible Role of Oxidative Stress'. *Immunobiology*, 213(5): 409-15

Saraniya, A., Koner, B.C., Doureradjou, P., Selvaraj, N. and Shivagourou, V. 2008. 'Altered Malondialdehyde, Protein Carbonyl and Sialic acid levels in Seminal Plasma of Microscopically Abnormal Semen'. *Andrologia*, 40(1): 56-7

Banupriya, C., Ratnakar, Doureradjou, P., Mondal, N., Vishnu, Bhat. and Koner, B.C. 2008. 'Can Urinary Excretion Rate of Malondialdehyde, Uric acid and Protein Predict the Severity and Impending Death in Perinatal Asphyxia'. *Clinical Biochemistry*, 41: 968-73

Suresh, P.S. Doureradjou, P., Nandakumar, D.N. and Koner. B.C. 2008. 'Effect of Restraint Stress Duration on Humoral Immune Response in Albino Rats: Modulation by Chlordiazepoxide'. *Immunopharmacol Immunotoxicol*, 30: 701-9

Ratnakar, S., Banupriya, C., Doureradjou, P., Vivekanandam, S., Srivastava, M.K. and Koner, B.C. 2008. 'Evaluation of Anxiety, Depression and Urinary Protein Excretion Among The Family Caregivers of Advanced Cancer Patients'. *Biological Psychology*, 79: 234-8.

Doureradjou, P. and Koner, B.C. 2008. 'Effect of different cooking vessels on heat-induced lipid peroxidation of different edible oils'. *Journal of Food Biochemistry*, 32: 740-51.

Soundravalli, R., Goswami, K., Nandeesh, H., Koner, B.C. and Sethuraman, K.R. 2008. 'Acute intermittent Porphyria: A diagnosis per chance'. *Indian J Pathol Microbiol*, 51: 551-2

Singh, K., Kaushik, S., Kumar, V., Baweja, C.P., Khurana, N. and Ray, P.C. 2008. 'Serum lipid profile in leprosy patients : a pilot study(abstract)'. *Ind.J.Clin.Biochem.*, Suppl., 23: 67.

Singh, K., Singh, B., Kumar, V., Baweja, C.P., Khurana, N., Kishore, J. and Ray, P.C. 2008. 'Estimation of serum TNF and IL4, Galactosyl ceramide antibody titre in leprosy patients(abstract)', *Ind.J.clin.Biochem*, Suppl., 23:67-8.

Books

Gupta, S.K. 2008: Essentials of Immunology

Practical manual for M.B.B.S. and B.D.S. course.

BIOCHEMISTRY (UCMS)

Seminars/Conferences attended

Dr. B.D. Banerjee: National Workshop on Sleep Medicine, Cuttack, 20-21 December 2008.

National Conference on Advances in Neurosciences, 9-10 December 2008.

Dr. J.K. Gambhir: Invited speaker, ACBICON 08, Association of Clinical Biochemistry, Kolkata, 9-21 December 2008.

Dr. Dinesh Puri: ISARCON 09, Society of Atherosclerotic Research, 19-21 March 2009.
Invited speaker, AMBICON 09, 14-16 July 2008.

Dr. S.B. Sharma: III International Symposium on Integrated Cardiac Biomarkers, Seattle Wa, USA, 9-11 July 2008.

Invited speaker and Chaired a session: ISARCON 09, Society of Atherosclerotic Research, 19-21 March 2009.

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
A study of gene-environmental interaction in preterm delivery cases with special reference to organochlorine pesticide levels in the North Indian population.	Dr. B.D. Banerjee	MEF
Studies on pesticide induced Apoptosis with special reference to the role of heat shock proteins.		ICMR
Assessment of persistent organic pollutants (POPs) residue in human population of Delhi with special reference to adverse health effects and morbidity.		CPCB
Pesticide immunotoxicity modes of attenuation by certain drugs.		ICMR
Molecular and Immunohistochemical studies on cardioprotective mechanism of <i>Terminalia arjuna</i> , <i>Eugenia jambolana</i> in ischemic model of myocardial infarction: An experimental study.	Dr. S.B. Sharma	AYUSH

Effect of anti-diabetic compound isolated from <i>E.jambolana</i> on diabetic complications in experimental animals.		ICMR
Studies on isolation and mechanism of action of the anti-hyperglycemic and hypolipidemic compounds from <i>Cassia auriculata</i> leaf.		DST
Biochemical studies on the mechanism of action of hypoglycemic compounds from the fruit of <i>Withania coagulans</i> .	Dr. J.K. Gambhir	ICMR
Biochemical studies on the mechanism of action of central part of stem of <i>Musa sapinetum</i> .	Dr. R.S. Shukla	ICMR

Publications

Ahmed, T., Tripathi, A.K., Ahmed, R.S., Das, S., Suke, S.G., Pathak, R., Chakraboti, A. and Banerjee. B.D. 2008. 'Endosulfan-induced apoptosis and glutathione depletion in human peripheral blood mononuclear cells: Attenuation by N-acetylcysteine'. *J Biochem Mol Toxicol*, 22: 299-304.

Banerjee, B.D., Chakraboti, A., Suke, S.G., Ahmed, R.S. and Tripathi, A. K. 2008. 'Xenobiotic-induced immune alterations: Implications in health and disease'. *Indian J Biophy Biochem* 45: 7-15.

Gambhir, J.K., Kaur, H., Prabhu, K.M., Morrisett, J.D. and Gambhir, D.S. 2008. 'Association between lipoprotein-a levels, apo-a isoforms and family history of premature CAD in young Asian Indians'. *Clin Biochemistry*, 41: 453-8.

Gambhir, J.K., Saxena, R., Prabhu, K.M. and Madhu, S.V. 2008. 'Oxidized LDL and nitric oxide end products in fasting and postprandial state in diabetes with macrovascular complications (Abstracts)'. *Indian J Clin Biochem*, 23 (Suppl): 30-1.

Singhania, N., Puri, D., Madhu, S.V. and Sharma, S.B. 2008. 'Assessment of oxidavtive stress and endothelial dysfunction in Asian Indians with type 2 diabetes mellitus with and without macroangiopathy'. *Quatr J Med.*, 101: 449-55.

Parvez, S., Tabassum, H., Banerjee, B.D. and Raisuddin, S. 2008. 'Taurine prevents tamoxifen induced mitochondrial oxidative damage in mice'. *Basic Clinical Pharmacol Toxicol*, 102: 382-7.

Pathak, R, Suke, S.G., Ahmed, R.S., Tripathi, A.K., Guleria, K, Sharma, C.S., Makhijani, S.D., Banerjee B.D., 2008. 'Organochlorine pesticide residues in maternal and cord blood in Delhi population'. *Bull Environ Contam Toxicol*, 81: 216-19.

- Rafat, A., Suke, S.G., Seth, V., Chakraborti, A., Tripathi, A.K. and Banerjee, B.D. 2008.** 'Protective effects of dietary ginger (*Zingiber officinales* Rosc) on lindane induced oxidative stress in rats'. *Phytotherapy Res*, 22: 902-6.
- Saxena, A.K., Aggarwal, B., Mangla, D. and Banerjee, B.D. 2008.** 'Evaluation of oxidative stress status and its modulation follow stellate ganglionic block in patients with chronic shoulder hand pain syndrome'. *Indian J Pain*, 22: 92-6.
- Seth, V., Banerjee, B.D., Ahmed, R.S., Bhattacharya, A. and Pasha, S.T. 2008.** 'Effect of malathion on im-munoglobulin and cytokine levels in blood of human poisoning cases'. *Indian J Biophy and Biochem*, 45: 209-11.
- Sharma, S.B., Garg, S., Veerwal, A. and Dwivedi, S. 2008.** 'Hs. CRPP and oxidative stress in young CAD patients'. *IJCB*, 23: 334-6.
- Shukla, R., Bhatia, S., Gambhir, J.K. and Madhu, S.V. 2008.** 'Antioxidant enzymes and nitric oxide end products in type 2 diabetic patients with nephropathy'. *Indian Biochem*, 23 (Suppl): 25.
- Suke, S.G., Ahmed, R.S., Tripathi, A.K. and Banerjee, B.D. 2008.** 'Melatonin treatment prevents the modulation of cell mediated immune response induced by propoxur in rats'. *Indian J Biophy Biochem*, 45: 279-82.
- Suke, S.G., Ahmed, R.S., Tripathi, A.K. and Banerjee, B.D. 2008.** 'Protective effect of N-acetylcysteine against methyl parathion-induced oxidative stress and immune dysfunction in rats'. *Braz J Med Bioi Res.* 41: 765-8.
- Tripathi, A.K., Rathi, N., Suke, S.G., Banerjee, B.D., Mahajan, P. and Bhattacharya, S.K. 2008.** 'Effect of acute and chronic cocaine exposure on oxygen dependent bactericidal activity of mouse peritoneal macrophages'. *Canadian J Physiol Pharmacol*, 89: 64-9.

BIOCHEMISTRY (VPCI)

Major Research Work

Lipid Rafts in Bronchial Asthma: A study on Membrane Lipid Metabolism in Asthmatic Patients using Erythrocyte Membrane as the Model.

Experimental Asthma: A study on Transmembrane Signalling in Airway Smooth Muscles and Peripheral Blood Lymphocytes during the Development of Airway Hypersensitivity in Guinea Pig.

ATP-Binding Cassette Transporter Gene Polymorphism in Adrenoleukodystrophy.

Studies on the Role of Lipids of Lipid Rafts of Erythrocyte Membrane in COPD Patients.

Seminars/Conferences attended

Prof. H.G. Raj: Lecture delivered, Indo-Italian Seminar on Green Chemistry and Natural Products, Department of Chemistry and Embassy of Italy, Delhi University, 5-6 December 2008.

Lecture delivered, XIII ISCB International Conference, Indo-French Seminar on Biomolecular Chemistry, Department of Chemistry, Delhi University, 4 March 2009.

Lecture delivered, International Conference on Advances in Free Radical Research: Natural Products, Antioxidants and Radioprotectors, Department of Biochemistry, CSM Medical University, Lucknow, 19-21 March 2009.

Chaired the session, National Symposium on Emerging Trends in Nitric Oxide Research: Impact on Health, Disease and Drug Development, VPCI, Delhi University, 12 January 2009.

Chaired the session, Methodology and recent developments in laboratory techniques, CSM Medical University, Lucknow, 19 March 2009.

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Development of Novel Therapeutics based upon Natural Products from Indian Medicinal Plants.	Prof. H.G. Raj	DSIR
Prospects for the Development of Anti-Tubercular Drugs based on the Transacetylase Function of Gultamine synthetase	Prof. Mrudula Bose Prof. H.G. Raj	DBT

Publications

Gupta, G., Bagahel, A.S., Bansal, S., Tyagi, T.K., Kumari, R., Saini, N.K., Ponnann, P., Kumar, A., Bose, M. Saluja, D., Patkar, S.A., Parmar, V.S. and Raj, H.G. 2008. 'Establishment of Glutamine Synthetase of Mycobacterium semgmatis as a Protein Acetyltransferase utilizing Polyphenolic Acetates as the Acetyl Group Donors'. *Journal of Biochemistry*, Tokyo, 144: 709-15.

Arora, S., Tyagi, Y.K., Kumar, A. Majumder, S., Saluja, D., Raj, H.G., Chatterjee, S., Saso, L., Prasad, A.K. and Parmar, V.S. 2009. 'The role of Calreticulin Transacetylase in the Activation of Human Tplatelet Nitrite Reductase by Polyphenolic Acetates'. *Biological Pharmaceutical Bulletin*, 161-5.

Malhotra, S., Shakya, G., Kumar, A., Vanhoecke, B.W., Cholli, A.L., Raj, H.G., Saso, L., Ghosh, B., Bracke, M.E., Prasad, A.K., Biswal, S. and Parmar, V.S. 2008. 'Antioxidant, Antiinflammatory and Antinvasive Activities of Biopolyphenolics', *ARKIVOC*, 2: 119-39.

Kathuria, A., Gupta, A., Priya, N., Singh, P., Raj, H.G., Prasad, A.K., Parmar, V.S. and Sharma, S.K. 2009. 'Specificities of Calreticulin Transacetylase to acetoxy derivatives of 3-alkyl-4-methylcoumarin: Effect on the activation of nitric oxide synthase'. *Bioorganic and Medicinal Chemistry*, 17: 1550-6.

COMMUNITY MEDICINE (MAMC)

Ph.D. Degree awarded

Ph.D. - 1

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Needs Assessment of MAMC and Associated Hospitals regarding HIV/AIDS care.	Dr. Suneela Garg, Dr. V.K. Gupta, Dr. M.M. Singh, Dr. G.K. Ingle	RCSHA, NewDelhi under DFID
Prevalence of chronic obstructive airway disease and influencing factors in slum colonies of Delhi.	Dr V.K. Gupta	UGC
State of ART review Rubella.	Dr Suneela Garg	WHO Biennium

Appointments of faculty members to higher posts /assignments

Dr. S. Garg: Chairperson of selection board, National Institute of Immunology.

Dr. D.K. Taneja: Joint Secretary, (North), Indian Public Health Association, Delhi Branch.

Dr. Nandini Sharma: State coordinator for implementation of STI/RTI programme involving training of medical officers and evaluation of services provided.

Dr. M.M. Singh: State Programme Officer, National Programme for the Prevention and Control of Deafness in Delhi.

Honours/Distinctions

Dr. V.K. Gupta and Dr. Suneela Garg: Nominated as coordinators for counsellors' training for HIV/AIDS, Ministry of Home Affairs, Govt. of India.

Dr. Suneela Garg: Coordinator for American College of Physician, Executive Delegation Visit to India.

Dr. Nandini Sharma: Nominated by the Govt. of India for WHO Fellowship for IEC in University of Sydney, Australia.

Dr. Bratati Banerjee: Nominated by the Govt. of India for WHO In-country Fellowship Training Programme on 'Certificate Course in Epidemiology of Non-Communicable Diseases', at All India Institute of Hygiene and Public Health, Kolkata.

Seminars/Conferences attended

Dr. Panna Lal: Attended the III South Asian Conference on Sanitation, organised by the Ministry of Rural Development, Vigyan Bhavan, New Delhi, 16-21 November 2008.

Dr. G.K. Ingle, Dr. Suneela Garg, Dr. Panna Lal and Dr. Jugal Kishore: Attended the Seminar on Female foeticide: Social Evil or Medical Vice, organised by the National Medicos Organisation, Delhi State Branch, Dept. of Comm. Med. MAMC, National Commission for Protection of Child Rights, MAMCOS, Delhi Gynaecological Forum and Pushpanjali Crosslay Hospital, Delhi, 3 November 2008.

Dr. Jugal Kishore: Participated in XVI National Conference of the Indian Association for Psychiatry at All India Institute of Medical Science, 28-30 November 2008.

Mrs. Renuka Saha: Attended the XXVI Annual National Conference of the Indian Society for Medical Statistics, Nainital, Uttarakhand, 7-9 November 2008.

Publications

Garg, S. Authored resource books for district ENT specialists, Audiologists, Obstetricians and Paediatricians, Medical Officers, School teachers and Anganwari workers, prepared under the National Programme for Prevention and Control of Deafness.

Developed modules for Post Graduate Diploma in Maternal and Child Health.

Garg, S., Sharma, N. and Saha, R. Contributed a chapter in *Health in India New Evidence* (ed.) Michael A. Koenig, Shireen Jejeebhoy, John C. Cleland and Bela Ganatra.

Sachdeva, P., Singh, M.M. and Arora, T. Contributed a chapter in *National Rural Health Mission*. In Anjali, T., Wadhwa, L. and Batra, S. (eds.) *Current concepts in contraception and women's health* (1st edn). New Delhi: Jaypee Brothers Medical Publishers Pvt. Ltd.

Lal, P. Translated *The Vanishing Girl Child*. by Kishore J., from English to Hindi as *Kanya Bhrun Hatya: Aparadhi Kaun*, New Delhi: Century Publications,

Translated from English to Hindi: *The Assertions as Anandpurn Jine ki Kala* by Paul Kurtz, New Delhi: Century Publications.

Ingle, G.K. and Lal, P. developed Training Manual for teachers and health care workers on prevention and control of Deafness (Modified) under NPCD, Govt of India (Translated from English to Hindi from WHO resource book).

Kishore, J. *Bhrun Hatya: Aparadhi Kaun* (In Hindi translation of *The Vanishing Girl Child*) New Delhi: Century Publications., (1st edn) Module on Maternal and Child Health of Indira Gandhi National Open University's Post Graduate Diploma in Maternal and Child Health.

'National Health Programs of India: National Policies and Legislations related to Health.' New Delhi: Century Publications, (VIII edn).

Research articles in books or scholarly journals

Ingle, G.K., Nath, A. 2008. 'Geriatric health in India: Concerns and solutions'. *Indian J Community Med*, 33: 214-21

Ingle, G.K. 2008. 'Efficient Management of Public Health Workforce'. Dr BC Dasgupta Memorial Oration. *Indian J Pub Health*, 52(4).

Lal P, Nath, A., Badhan, S. and Ingle, G.K. 2008. 'A Study of Awareness about HIV/AIDS among Senior Secondary School Children of Delhi'. *Indian Journal of Community Medicine*, 33(3): 190-2

Sinha, P., Taneja, D.K., Dhuria, M. and Saha, R. 2008. 'Incidence of summer associated symptoms, host susceptibility and their effect on quality of life among women 18-40 years of age in an urban slum of Delhi'. *Indian J Pub Health*, 52(2): 72-5.

Sharma, A., Taneja, D.K., Sharma, P., Saha, R. 2008. 'Problems Relating to Menstruation and Their Effect on Daily Routine of Students of a Medical College in Delhi, India'. *APJPH*, 20(3): 234-41.

Taneja, D.K. and Malhotra, S. 2008. Editorial: 'Achieving Universal Immunization in India: The Unmet Challenge'. *Indian J Pub Health*, 52(4).

Lal, P., Nath, A., Badhan, S. and Ingle, G.K. 2008. 'A Study of Awareness about HIV/AIDS among Senior Secondary School Children of Delhi'. *Indian Journal of Community Medicine*, 33(3): 190-2

Dhuria, M., Sharma, N., Taneja, D.K, Kumar, R. and Ingle, G.K. 2009. 'Assessment of mental health status of senior secondary school children in Delhi'. *APJPH* 21 (1).

Dhuria, M., Sharma, N., Singh, N.P., Jiloha, R.C., Saha, R. and Ingle, G.K. 2009. 'A study of impact of tuberculosis on the QOL and the effect after treatment with DOTS'. *APJPH*, 21, (3).

Sharma, N., Nath, A., Taneja, D.K. and Ingle, G.K. 2009. 'A qualitative evaluation of the information, education and communication (IEC) component of the tuberculosis control programme in Delhi, India'. *APJPH*, 21:(3).

Sharma N. *Health aspects of river valley project. Standards India*, published by Bureau of Indian Standards

Nath, A. and Sharma, N. 'Knowledge and attitudes of medical students and doctors with regard to prebirth elimination of females', Letter to editor. *IJCM*.

- Malhotra, R., Malhotra, C. and Sharma, N. 2008.** 'Should there be mandatory testing for HIV prior to marriage in India?'. *Indian Journal of Medical Ethics*, 2.
- Garg, S. and Nath, A. 2008.** 'Female Foeticide in India: Issues and Concerns'. *J Postgrad Med*, 54:(4).
- Kaur, R. and Garg, S. 2008.** 'Addressing domestic violence against women: An Unfinished Agenda'. *Indian J Community Med*, 33:(73).
- Rajeshwari, K., Gupta, A., Dubey, A.P. and Singh, M.M. 2008.** 'Diarrhoeal outbreak of Vibrio Cholerae 01 Inaba in Delhi'. *Tropical Doctor*. 38: 105-7.
- Chawla, R., Bhalla, P., Bhalla, K., Singh, M.M. and Garg, S. 2008.** 'Community based study on seroprevalence of herpes simplex virus type 2 infection in New Delhi'. *Indian Journal of Microbiology*, 26: 34-9.
- Malhotra, R., Lal, P., Prakash, S.K., Daga, M.K. and Kishore, J. 2008. 'Evaluation of a health education intervention on knowledge, and attitudes of food handlers working in a medical college in Delhi'. *India. Asia Pac J Public Health*, 20(4): 277-86.
- Kapoor, R., Kishore, J. and Gupta, N. 2008.** 'Awareness about contraceptive practices among youths in Delhi'. *Health and Population Perspective and Issues*, 31(1): 52-61.
- Shahamfar, J., Gupta, V.K., Daga, M.K., Dastgiri, S. and Hakim, S.H. 2008.** 'Cardiac Risk Factor changes through an intensive multifactorial lifestyle modification program in CHD Patients: Results from a Two Year Follow Up'. *Journal Biological Sciences*. 8 (2) : 248-57.
- Kishore, J., Gupta, V.K., Singh, S.V., Garg, S. and Kaur, R. 2008.** 'Impact of Health Education Intervention on Knowledge and Community Action for Malaria Control in India'. *J Comm Diseases*, 40(3): 183-92.
- Nath, A., Garg, S., Deb, S. Ray, A. and Kaur, R. 2009.** 'Profile of behavioral risk factors of Non communicable diseases in an urban setting in New Delhi'. *Indian Journal of Public Health* , 53 (1).

FORENSIC MEDICINE (UCMS)

Honours/Distinctions

Dr. N.K. Aggarwal: Scroll of Honour was presented by UCMS Alumni in its MIDCON-2008, 31 May 2008.

Seminars/Conferences attended

Dr. N.K. Aggarwal: Attended and participated in panel discussion on Violence and Litigation in Medical Practice, organised by the Delhi Medical Council, DMA House, Delhi, 19 July 2008.

Participated as delegate in the symposium on 'Recent Advances in Forensic Medicine', organised by Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi, 20 December 2008.

Attended and delivered a guest lecture at CME-09, organised by GR Medical College, Gwalior (MP), 26 March 2009.

Dr. S.K. Verma: Attended and delivered guest lecture in National Conference on Litigation and Violence in Medical Practice at AIIMS, New Delhi, 30-31 August 2008.

Attended and participated in International Conference of South-Asian Congress of Forensic Medicine, Forensic Science and Toxicology (SAFCON-2008), Amity University, Noida, UP, 10-12 October 2008.

Attended and delivered Guest lecture in International Conference, Siri Fort Auditorium, New Delhi, 28-30 November 2008.

Dr. N.K. Aggarwal and Dr. S.K. Verma: Attended Delhi Medical Association, 50th Annual Conference at Delhi, 21 September 2008.

Publications

Aggarwal, N.K. 2008. 'Sexual abuse and physician'. *Delhi Psychiatry Journal*, 11(2): 242-3.

Gupta, A., Kohli, A., Aggarwal, N.K. and Banerjee, K.K. 2008. 'Study of age of fusion of hydroid bone'. *Legal Medicine*, 10: 253-6.

Kumar, A., Tyagi, Y., Sharma, G.A. and Tyagi, A. 2008. 'Sex determination by morphology of calcaneum bone', *J. Ind. Acad. For. Med.*, 30(4): 207-11.

Murty, O.P., Yeen, C.K., Jia, T.A., Wen, S.H., Queen. Y.S., Verma, S.K. and Aggarwal, N.K. 2008. 'A ten year retrospective study on poisoning cases in two major cities of Malaysia and India'. *J. Ind. Soc. Toxicol*, 4(1): 6-11.

Singh, R.P., Verma, S.K. and Tyagi, A.K. 2008. 'Determination of sex by measurement of area of mastoid triangle in human skull'. *Ind. Internet J. Forensic Medicine Toxicol*, 6(2): 29-43. www.indianjournals.com.

Verma, S.K. Contributed chapter on 'Medicolegal aspects of sexually transmitted diseases and HIV/AIDS'. In: Bhatia, M.S., Grover and V, Gupta, R. (eds), *A textbook on HIV infection and AIDS in adolescents*. New Delhi: New Age International Publishers.

Yadav, A., Kohli, A., Aggarwal, N.K. 2008. 'Study of correlation between intracranial hemorrhages and skull fractures'. 25 (2).

2008. 'Study of pattern of skull fractures in northeast Delhi'. *Medicolegal update*, 8(2): 31-4.

MEDICINE (MAMC)

New Additions

Dr. Rajat Jhamb - Asst. Professor
Dr. Sameer Gulati - Asst. Professor

Honours/Distinctions

Dr. D.P. Bhadoria: Chairman of the UGC Committee for Sri Balaji Vidyapeeth, Deemed to be University, Puducherry.

Dr. P. Kar: Elected President of the Indian Society of Gastroenterology (President Elect) for 2008-09, and elected president of the India Association of the Study of Liver for the year 2008-09.

Dr. H.S. Hira: Elected President and Executive of Respiratory Care and Sleep Care Foundation of India.

Dr. N.P. Singh: Recipient of Achievers Award. The award was given by the Hon. Vice President of India.

State Award for 2007-08 for meritorious services in the field of healthcare in Delhi by the Govt. of NCT of Delhi.

Awarded Achiever's Award on the occasion of the Golden Jubilee of the College.

Dr. Dinesh Dhanwal: Best paper award during ECICON 2008 at Kochi.

Nominated for Commonwealth Fellowship for UK.

Dr. S. Anuradha: Awarded Fellowship of the Indian Association of Clinical Medicine (FIACM), Resource faculty for SEARCH, Thailand, Regional HIV/AIDS training programme.

Dr. Richa Dewan: Conferred Fellowship of the Indian College of Physicians.

Dr. R.S. Ahlawat: Awarded WHO Fellowship in Community Health and Education, September 2008.

Dr. M.K. Daga: Awarded WHO Fellowship in Poison Management at Hanoi, Vietnam.

Dr. Dinesh Dhanwal: Fellow of Indias College of Physician (FICP) during API 2008.

Seminars/Conferences attended

Dr. P. Kar: Attended and presented papers at the Annual APWD ISG Conference in September 2008 and API Conference at Noida, January 2009.

Dr. D.P. Bhadoria Attended CME on Thromboprophylaxis, 3 April 2008.

VII Annual Conference of the Indian Society of Critical Care Medicine, Delhi and NCR Chapter, 4-7 September 2008.

Conference on Coronary Artery Disease, Mumbai, 3-5 October 2008.

X Joint Conference of National College of Chest Physicians (India) and Indian Chest Society (10th NAPCON) at Lucknow, UP. 6-9 November 2008.

Dr. N.P. Singh. Attended II National Congress on Prevention of Kidney Disease in India: Organised by the Department of Nephrology at AIIMS.

LII National Conference of Indian Public Health Association, MAMC, Delhi, 2009.

Annual Conference of Indian Academy of Neurology, Ashoka Hotel, New Delhi.

Chairperson for Poster Presentation, Annual Conference of Indian Society of Nephrology at Pune.

Simran Kaur, N.P. Singh, A.K. Jain and Archana Thakur: Presented a paper to study the role of serum leptin on body mass index in patients of end stage renal disease on maintenance hemodialysis.

S.S. Rathore, N.P. Singh, H.S. Hira, R. Lal Mal Sawna and Y.K. Chhabra: Impact of sleep disorders on health related quality of life in Predialysis patients.

Vineeta V. Batra, Aiman Haider and N.P. Singh. Histopathological scoring in cases of acute crescentic Glomerulonephritis.

N.P. Singh, Chhabrayk, S.S. Rathore and V.K. Saini: To study the prevalence and severity of depression in CKD patients and its correlation with treatment strategy.

Robert Lalmalsawma, N.P. Singh, R. Ahlawat, Surinder Kumar and Surendra, S.S.: Spectrum of infection in patients with end stage renal disease on maintenance hemodialysis.

Dr. Dinesh Kumar Dhanwal: Lecture as speaker and chairperson, Organizing secretary of Staged Diabetes Management, Training and Implementation, India International Centre Annexe, Lodhi Road New Delhi, 29-30 September 2008.

Dr. S. Anuradha: Attended Annual conference of Indian Associations of Clinical Medicine, Hyderabad.

Attended XVIII International AIDS conference at Mexico City, Mexico.

Annual Conference of API-DSC.

Dr. Sandeep Garg: Attended Medicine update-2008, 11-13 December 2008.

Publications

Dewan, R. 2008. Editorial, *JIMSA*, 21: 3(127).

2008. 'Obesity Epidemic in India', *JIMSA*, 21(3): 129-32.

- Dewan, R. and Zachariah, S. 2008.** 'Etiopathogenesis of Obesity, *JIMSA*, 21(3): 129-32
- Dewan, R., Anuradha, S. Kumar, N., Kochar, R., Nischal, N. 2008.** 'Adipocyte-an Endocrine Organ'. *JIMSA*, 21 (3): 137-40.
- Dewan, R., Monocha, D., Kumar, K. Anuradha, S. 2008.** 'Obesity and Cardiovascular Risk'. Metabolic Syndrome, *JIMSA*, 21(3): 147-50.
- Dewan, R., Debbarma, S., Garg, S., Kumar, K. and Anuradha, S. 2008.** 'Obesity and Respiratory complication'. *JIMSA*, 21(3): 151-3.
- Dewan, R., Kumar, K. Menocha, D., Garg, S. and Anuradha, S. 2008.** 'Rimonabant : A Novel but controversial agent'. *JIMSA*, 21(3): 177-8.
- 'Operational lesion on Nutritional counseling' ILSI, Conference Report, pp.31-3.
- Verma, V. Chakravarti, A. Kar, P. 2008.** 'Cytokine levels of TGF beta IL-10 and s TNF alfa RII in type C chronic liver disease'. *DIG Sci*, 53(8): 2233-7.
- Medi, S., Potukuchi, S.K., Polipalli, S.K., Swargairay, S., Chaudhary. A., Begum, N. Hussain, Z, Ahlawat, R.S. and Kar, P. 2008.** 'Dignostic utility of hepatitis C virus core antigen in hemodialysis patients'. *Clin Biochem*, 11 *Erratum in Clin Biochem* (Corrected to Chaudhary, Anis), 41 (7-8): 447.
- Kumar, S., Chadhary, I., Kar, P. and Das, R.H. 2009.** 'Site-specific of HCV genomic RNA and its cloned core and NS5B genes by DNAzyme'. *J Gastroenterol Hepatol*.
- Kar, P., Jilani, N., Husain, S.A., Pasha, S.T., Anand, R., Rai, A. and Das, B.C. 2008.** 'Does hepatitis E viral load and genotypes influence the final outcome of acute liver failure during pregnancy'. *Am J. Gastroenterol*, 103(10): 2495-501.
- Verma, V., Chakravarty, A. and Kar, P. 2008.** 'Genotypic characterizatuion of hepatitis C virus and its significance in patients with chronic liver disease from Northen India'. *Diagn Microbiol Infect Dis*. 61(4): 408-14.
- Asim, M., Potukuchi, S.K., Arora, A., Singh, B. and Kar, P. 2008.** 'Hepatitis-G virus infaction in multi-transfused patienst and intravenous drug abusers: New Delhi experience'. *Dig Dis Sci.*, 53(5): 1383-9.
- Kumar, D., Malik, A., Asim, M., Chakravarty, A., Das, R.H. and Kar, P. 2008.** 'Response of combinations therapy on viral load and disease serity in chronic hepatitis C'. *Dig Dos Sci.*, 53(4): 1107-13.
- Balkrishnan, V. Gopalakrishnan, A., Varghese, U.T., Chaudhary, G., Kar, P., Thekkayil, R.N. 2008.** 'Chronic Pancreatitis. A prospective Nationwide study of 1086 subjects from India'. *J Pancreas*, 9(5): 593-600.
- Singla, R., Kumar, P., Bhel, A., Kumar, S., Saran, R.K. and Kar, P. 2008.** 'A case report of Primary rectal non Hodgrim Lymgrim Lymphoma treated with chemotherapy'. *Tropical Gastroenterology*, 27(4): 227-8.

- Hira, H.S., Munjal, J., Zachariah, S., Chauhan, M.R. and Singh, A. 2008.** 'The site of airway obstruction among patients of emphysema': Role of Impulse Oscillometry'. *Lung India*, 25: 8-13.
- Bhadoria, D.P. 2008.** 'Postprandial lipaemia in patients with impaired fasting glucose, impaired glucose tolerance and diabetes mellitus'. *Diabetes Res. Clin Pract*, 80(3): 380-5.
- Naser, A., Jafar, S., Gupta, V.K., Daga, M.K. and Hakim, S.H, 2008.** 'Cardiac Risk factor changes through an Intensive Multifactorial Life style Modification Program in CHD Patients: Results from a two year follow up'. *Journal of Biological Sciences*, 8(2): 248-57.
- Kumar, N., Daga, M.K., Kumar, T., Singh, N., Choudhary, P. and Sunduram, S. 2008.** 'Valporate induced hyperammonemia'. *JLACM*, 9(3): 221-3.
- Singh, N.P., Rathi, B.M. and Panwar, B. 2008.** 'Hyperphosphatemia of Chronic Kidney Disease – Management and Emerging Trends'. *JLACM*, 9(4): 209-97.
- Anuradha. S. 2008.** 'Candida Sake – A rare cause of fungal endocarditis'. *Med of Malaysia*, 63(i): 75-6.
- Dewan, R., Kathuria, P., Garg, S., Manocha, D., Kothari, D., Gupta, P. 2008.** 'Atypical presentation of ankylosing spondylitis'. *Jr. Asso. Phys. Ind*, 56: 297-8.
- Garg, S. and Gupta, N. 2008.** 'Schizencephaly in images'. *Ind J Pract Doctor*, 5(1): 54-5.
- Debbarma, S., Garg, S., Kumar, K., Anuradha, S. and Devan, R. 2008.** 'Obesity and Respiratory complications'. *JIMSA*, 21 (3): 151-3.
- Hira, H S. 2008.** *Step by Step Management of Bronchial Asthma*, 1st edn. Delhi : Jaypee Publishers.
- Daga, M.K. and Chakrabarty, A. Emergency Room Management of COPD : Manual of Medical Emergency** (3rd edn). New Delhi: Pushpanjali Medical Publications Pvt. Ltd.

MICROBIOLOGY (LHMC)

Major Activities

The National Salmonella Phage Typing Centre Functioning in the Department received and typed strains of Salmonella from over 30 collaborating centres in the the country. In the wake of meningococcal epidemic, emergency services were provided round the clock for rapid diagnosis of suspected cases.

M.D. Degrees awarded

M.D. - 2

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
National Phage Typing Centre.	Dr. Geeta Mehta Dr. V.S. Randhawa	LHMC
Sentinel Surveillance of HIV/AIDS.	Dr. Geeta Mehta Dr. B.L. Sherwal Dr. Manoj Jais	NACO
Epidemiology invasiveness and comparative genomics analysis of Group B Streptococcus Indian and French origin.	Dr. Geeta Mehta	JNU and ICMR

Honours/Distinctions

Dr. Geeta Mehta: Elected President, Hospital Infection Society of India.

Editorial Board Member: (i) *American Journal of Infection Control*, (ii) *International Journal of Infection Control*, (iii) *International Journal of Hygiene and Environmental Health*.

Reviewer, Standards and Guidelines on Infection Control for National Accreditation Board for Hospitals.

Seminars/Conferences attended

Dr. R. Dutta: Resource person, Curriculum development workshop on short-term training in tropical and infectious diseases, BPKIHS, Nepal, 24-25 July 2008.

Dr. V.S. Randhawa: Presented a paper and Chairman, Ehrlick II, 2nd World Conference on Magic Bulles, International Society of Anti-infective Pharmacology, 3-5 October 2008.

Dr. B.L. Sherwal: Poster presentation, Annual Scientific Meeting and Exhibition, Australian Society of Microbiology, Melbourne, Australia, 6-10 July 2008.

Dr. A. Lakshmy: Presented a paper, XVII Lancerfield Interenational Symposium on Streptococci and Streptococcal diseases, Porto, Greece, Lancerfield International Society, University of Greece and Public Health Laboratory Colindale, UK, 22-25 June 2008.

Presented a paper, Keystone Symposium Colorado, USA, 8-13 April 2008.

Dr. Geeta Mehta: Guest speaker, South Asian Conference and CME on Synergy in Health Care, WHO and AIIMS, 3-6 November 2008.

CME on Rational Antibiotic Therapy, PGI, Chandigarh, 3-5 October 2008.

Dr. V.S. Randhawa and Dr. A. Lakshmy: Presented a paper, XXXI National Congress of IAMM, 23-25 October 2008.

Publications

Books

Mehta, G. 2008. Revised 5 chapters, *World alliance for patient Safety. WHO Guidelines on Hand hygiene in Health care. Global Patient Safety Challenge*, Geneva, WHO.

2008. *Standard Procedures for control of Surgical Site Infection in health care facilities with limited resources*, for WHO SEARO.

Research Articles

Gupta, L.K. and Randhawa, V.S. 2008. 'Ciprofloxacin breakpoints in enteric fever: Time to revise our susceptibility criteria'. *Ind J Med Microbiol*, 26(4): 406.

Kumar, A., Chadha, R. and Randhawa, V.S. 2008. 'Vertical transmission of Salmonella Paratyphi A.' *Ind J Ped*, 75(9): 964.

Sherwal, B.L., Jais, M., Jyotsna, K. Rawat, U. and Mehta, G. 2008. 'Seroprevalance of cytomegalovirus in suspected cases of congenital infections'. *Ind J Pract Doctors*, 5(1): 5-7.

Rawat, U., Sherwal, B.L., Goyal, R. Rajani, E., Kumar, S. and Mehta, G. 2008. 'Chronic sinusitis due to Alternaria in an immune-competent child'. *Ind J Pract Doctors*, 5(2): 45-7.

Sherwal, B.L. and Verma, A.K. 2008. 'Epidemiology of ocular infections due to bacteria and fungus-A prospective study'. *J.K. Science, J Med Edu Res.*, 110(3): 127-31.

Singh, R., Saxena, S., Joshi, C., Singh, N.P. and Ahuja, S. 2008. 'Bacterial colonization of lumbar epidural catheters for epidural analgesia'. *J. Anaes Clin Pharmacol*, 24(2): 183-8.

Malhotra, V.L., Kahndpur, N., Dass, A. and Mehta, G. 2008. 'Prevalence of Extended Spectrum B-Lactamases producing clinical isolates from patients of urinary tract infections in a tertiary care hospital in Delhi'. *J. Com Dis.*, 40(4): 102-4.

Mehta, G., Randhawa, V.S. and Rakshit, P. 2009. 'Pattern of drug resistance and phage types of Salmonellae in India, Antimicrobial Resistance'. *The Modern Epidemic*, Vol.9: 135-44.

MICROBIOLOGY (MAMC)

Honours/Distinctions

Dr. P. Bhalla: Awarded State Award to Service Doctors for meritorious service in the field of health care, by Govt. of NCT, Delhi.

Nominated for Indian Association of Medical Microbiologists Endowment Lecture Award, 2008.

Dr. C.P. Baveja: Awarded Dr. S. Radhakrishnan Smriti Rashtriya Medical Shikshak Samman, 2008.

Seminars/Conferences attended

Dr. B. Uppal and Dr. Anita Chakravarti: Presented a paper, International Congress of Bacteriology and Applied Microbiology, Istanbul, 5-9 August 2008.

Dr. Ravinder Kaur: Presented a paper, XII Annual Conference of Association of Microbiologists of India and International Symposium on Microbial Biotechnology, Diversity, Genomics and Metagenomics, 18 November 2008.

Presented a paper, International Conference of Clinical Pathologists, VP Chest Institute, 6-8 December 2008.

Dr. P. Bhalla: Participated in Technical Consultation to review HIV Sentinel Surveillance in India, WHO/SEARO, April 2008.

Participated in Indian Association of Medical Microbiology Annual Conference, MICROCON 2008, Pune, October 2008.

Dr. Anita Chakravarti: Presented two papers and co-author in two posters and Dr. Surinder Kumar attended the XVIII National Conference of Virological Society, Chandigarh, 11-13 December 2008.

Dr. C.P. Baveja and Dr. Surinder Kumar: Presented papers, XXXII National Conference of IAMM, AFMC, Pune October 2008.

Publications

Chawla, R., Bhalla, P., Bhalla, K., Singh, M. and Garg, S. 2008. 'Community based study on seroprevalence of Herpes simplex virus type 2 infection in New Delhi'. *Indian Journal of Medical Microbiology*, 26(1): 34-9.

Kashyap, B., Singh, R., Bhalla, P., Arora, R. and Aggarwal, A. 2008. 'Reliability of self-collected versus provider collected vaginal swabs for the diagnosis of bacterial vaginosis'. *International Journal of STD and AIDS*, 19: 510-13.

Chaudhary, M., Kashyap, B., Gautam, H., Saini, S. and Bhalla, P. 2008. 'Role of C-Reactive Protein in HIV infection, a pilot study'. *Viral Immunology*, 21(2): 263-6.

Gautam, H., Bhalla, P., Saini, S. and Dewan, R. 2008. 'Correlation between baseline CD4 T lymphocyte count and PVL in AIDS patients and their early clinical and immunological response to HAART: A preliminary study'. *Indian Journal of Medical Microbiology*, 26(3): 256-8.

- Chaudhary, M., Kashyap, B., Gautam, H., Saini, S. and Bhalla, P. 2008.** 'Use of surrogate markers to predict the HIV disease stage and time to initiate anti retroviral therapy in developing countries'. *J Int Assoc Physicians AIDS Care*, 7(5): 259-64.
- Rajeshwari, K., Gupta, A., Dubey, A.P., Uppal, B. and Singh, M.M. 2008.** 'Diarrhoeal outbreak of *Vibrio cholerae* O1 Inaba in Delhi'. *Tropical Doctor*, 38(2).
- Uppal, B., Kashyap, B., and Bhalla, P. 2008.** 'A study of Enteric Pathogens in HIV/AIDS from a tertiary care hospital'. *IJCM*, 251: 8.
- Verma, V. Chakravarati, A. and Kar, P. 2008.** 'Genotypic characterization of Hepatitis C Virus and its significance in patients with chronic liver disease from northern India', *Diagn Microbiol and Infec Dis*, 61: 408-14.
- Sumit, R., Chakravarati, A., Matlani, M., Bhalla, P., Aggarwal, V., Singh, N. and Diwan, R. 2008.** 'Clinico-laboratory findings of patients during dengue outbreak from a tertiary care hospital in Delhi'. *Trop Doc.*, Jul, 38(3): 175-7.
- Dubey, A.P., Rajeshwari, K., Chakravarti, A. and Famularot, G. 2008.** 'Use of VSL #3 in the treatment of Rotavirus Diarrhea in children'. *J Clin Gastroenterology*, Jul, 14(3): 158-60.
- Jain, M., Rai, S. and Chakravarti, A. 2008.** 'Comparision of 5 Noncoding-core region with 5 Noncoding region of HCV by RT PCR, importance and clinical application', *Curr Microbiol*, 57(3): 206-11.
- Kumar, D., Malik, A., Asim, M., Chakravarti, A., Das, R.H. and Kar, P. 2008.** 'Influence of Quasispecies on virological response and disease severity in patients chronic Hepatitis C'. *World J Gastroenterol*, 14(5): 701-08.
- Kumar, D., Malik, A., Asim, M., Chakravarti, A., Das, R.H. and Kar, P. 2008.** 'Response of combination therapy on viral load and disease severity in chronic Hepatitis C'. *Dig Dis Sc.*, 53: 1107-13.
- Chakravarti, A. 2008.** 'Rotavirus diarrhea, Indian perspectives', chapter in Book of Gastroenterology (1st edn). New Delhi: Paragon Press.
- Baveja, C.P., Gumma, V.N., Jain, M., Chaudhary, M., Talukdhar, B. and Sharma, V.K. 2008.** 'Multi drug resistance tubercular meningitis in Paediatric age group'. *J Paed*, 18(4): 309-14.
- Kumar, S., Kashyap, B. and Bhalla, P. 2008.** 'The rise and fall of epidemic Neisseria meningitides from a tertiary care hospital in Delhi, January 2005 – June 2007'. *Trop Doct.*, 38(4): 222-4.
- Kumar, S., Rizvi, M. and Berry, N. 2008.** 'Rising prevalence of enteric fever due to multidrug resistant Samonella, an epidemiological study', *J. Med Microbio*, 57: 1247-50.

Kaur, R., Kashyap, B. and Bhalla, P. 2008. 'Onychomycosis epidemiology, diagnosis and management'. *IJMM*, 26(2): 108-16.

Wadhwa, A., Kaur, R. and Bhalla, P. 2008. 'Profile of Central Nervous System disease in HIV/AIDS patients with special reference to cryptococcal infections'. *Neurologist*, 14(4): 247-51.

Anuradha, S., Agarwal, S.K., Prakash, A., Singh, N.P. and Kaur, R. 2008. 'Candida sake-A rare cause of Fungal Endocarditis', *Med J Malaysia*, 63(1).

Joshi, N., Rajeshwari, K., Dubey, A.P., Singh, T. and Kaur, R. 2008. 'Clinical spectrum of fever of unknown origin among Indian children'. *Annals of Tropical Paed*, 28: 1-6.

Kashyap, B., Kumar, S., Sethi, G.R., Das, B.C. and Saigal, S.R. 2008. 'Comparison of PCR, Culture and serological tests for the diagnosis of Mycoplasma Pneumoniae in community-acquired lower respiratory tract infections in children'.

OPHTHALMOLOGY (UCMS)

Honours/Distinctions

Prof. V.P. Gupta: Awarded Dr. Prem Prakash award at the Annual Conference of the All India Ophthalmological Society.

Seminars/Conferences attended

Prof. V.P. Gupta: Attended All India Ophthalmological Society Conference, Jaipur, 5-8 February 2009.

Presented a paper, 'Long term follow-up (10-24 year) and permanent fistula formation in C-DCR with pyrex glass tubes'.

Prospective randomized controlled of study to compare the results of transcutaneous versus transconjunctival frontalis suspension for congenital ptosis with poor levator function.

New technique for correction of telecanthus in Blepharophimosis syndrome.

AIOS Award Winner session.

Publications

Gupta, V.P., Munjal, S. and Das, G.K. 2008. 'Modified 'Y-Split Recession' of medial recti for correction of infantile esotropia- a new modification'. Proceed AIOC: 39-41.

Rohatgi, J., Gupta, V.P., Dipsera, A.B. and Sangma. 2008. 'A prospective randomized comparative study of manual SICS using 6mm from versus 5mm modified chevron incision'. Proceed AIOC: 130-2.

Singal, A., Rohatgi, J. and Pandhi, D. 2008. 'Allergic contact dermatitis to phenylephrine'. *Indian J Dermatol Venereol Leprol*, 74(3): 298.

Dhaliwal, U. and Kumar, R. 2008. 'An observational study of the proceedings of the All India Ophthalmological Conference, 2000 and subsequent publication in indexed journals'. *Indian J Ophthalmol*, 56:189-95.

Monga, P.K. and Dhaliwal U. 2009. 'Paradoxical reaction in tubercular meningitis resulting in involvement of optic radiation'. *Indian J Ophthalmol*, 57:139-141.

OPHTHALMOLOGY (LHMC)

New Addition

Dr. Punita K. Sodhi - Asstt. Profesor

Seminars/Conference Attended

R., Jain, M., Wadhvani, P., Dsouza, S., Beri, R., Dutta and A., Singh: Presented a paper 'Conjunctival flora of the newborn-does the mode of delivery affect it', LXVI AIOS Annual Conference, Bangalore.

S., Beri, P., Aggarwal, R., Garg, R., Jain, P., Dsouza, A., Saili and A., Dhawan: Presented a paper 'Myopia in preterms causes and relationship', LXVI AIOS Annual Conference, Bangalore.

Poster presentation, LXVI AIOS Annual Conference, Bangalore.

P.K., Sodhi and S.C., Bhalla: Presented a paper, 'How far anterior lamellar reposition can correct the entropion and its associated features', SAARC Conference and III Indian AMD Congress.

Poster presentation 'A case of visceral leishmaniasis associated with bilateral SAARC Conference and III Indian AMD Congress.

Poster presentation, 'Unilateral optic nerve head swelling-A diagnostic enigma', SAARC Conference and III Indian AMD Congress.

Poster presentation, 'Are intravenous steroids an effective remedy for treating optic neuropathies', SAARC Conference and III Indian AMD Congress.

Poster presentation, 'Panorama of orbital manifestations in patients with acquired immunodeficiency syndrome', SAARC Conference and III Indian AMD Congress.

R. Baruah, S. Beri, Shailesh and Tinu. Presented a paper, 'Cerebral palsy and retinoscopic evaluation a clinical study', SAARC Conference and III Indian AMD Congress.

OPHTHALMOLOGY (MAMC)

Major Activities

A team of doctors of GNEC under the leadership of Dr. Zia Chaudhuri, attended a surgical eye camp under the aegis of Lifeline Express from 3-12 June 2008 at Mandsaur, MP.

Apart from this, Guru Nanak Eye Centre was the co-ordinating Centre for the Xth Phase of Motiabind Mukti Abhiyan, which was organised on 17-18 February 2009 all over Delhi.

Dr. Thao Barou, 2nd year DHE student, CHEB, Kotla Road, New Delhi. came to Guru Nanak Eye Centre and conducted a health educational programme and then held input and output sessions on the premises for the employees. Her use of media and method of learning on healthy life style was interesting and easy to learn.

Research Schemes

LX201-01 – Protocol Title: A Multi-centre, Placebo-controlled, Randomized, parallel-Group, Dose-Ranging Global Study to Assess the Efficacy and Safety of LX201 Implantation for the Prevention of Corneal Allograft Rejection Episodes and Graft Failure following penetrating keratoplasty with LX201 implantation in subjects who are at increased immunological risk – Dr. B. Ghosh and Dr. Ritu Arora.

LX201-02 – Protocol Title: A Multi-centre, Placebo-controlled, Randomized, Parallel-Group, Dose-Ranging Global Study to Assess the Efficacy and Safety of LX201 Implantation for the Prevention of Corneal Allograft Rejection Episodes or Graft Failure in subjects who Have Experienced One or More Rejection Episodes Following Penetrating Keratoplasty – Dr. B. Ghosh and Dr. Ritu Arora.

ICMR funded project on 'Study of ocular complication in HIV seropositive patients' Dr. Ritu Arora, Dr. B. Ghosh, Dr. P. Bhalla and Dr. R. Dewan.

Evaluation of clinical cognitive tests in colour deficient students. Dr. Kirti Singh, Dr. B. Ghosh, Dr. T.K. Joshi and Dr. Ingle.

Dadeya, S. An epidemiological study on rural cataract in Delhi, Sponsored by UGC.

Comparative evaluation of the safety and efficacy of intera-operative daunorubicin and mitomycin as a chemo therapeutic adjunct in strabismus re-Surgery, sponsored by ICMR.

Honours/Distinctions

Neha Goel, B. Ghosh, U.K. Raina, Meenakshi Thakar and Vinod Kumar: Intravitreal Bevacizumab versus Intravitreal Triamcinolone Acetonide in Refractory Diabetic Macular Edema: An Optical Coherence Tomographic Study, Best Paper Award at South Asian Academy of Ophthalmology Conference – 2008 (New Delhi).

Dr. J.L. Goyal: Won the Osler trophy, MAMC – for the unit maintaining best records, May 2008.

Seminars/Conferences attended

Basudeb Ghosh: Combined glaucoma and cataract surgery. Instruction course – Different strokes : Mastering the different types of glaucoma surgery, at South Asian Academy of Ophthalmology and III Indian AMD Conference, New Delhi, 23-24 August 2008.

Dr. J L Goyal: Attended the Conference of South Asian Academy of Ophthalmology, New Delhi, 22-24 August 2008,

Kirti Singh and Charu Khurana: Bleb characteristics of subconjunctival collagen implant in trabeculectomy compared with mitomycin blebs, at South East Asia Glaucoma Interest Group / Acute Angle Closure Glaucoma Joint Congress, at Seoul, South Korea, 25-28 September 2008.

Kirti Singh: Ocular blood flow changes post trabeculectomy: A colour Doppler imaging study, at South East Asia Glaucoma Interest Group / Acute Angle Closure Glaucoma Joint Congress, at Seoul, South Korea, 25-28 September 2008.

Epidemic drossy glaucoma – A 7 year follow up, at South East Asia Glaucoma Interest Group / Acute Angle Closure Glaucoma Joint Congress, at Seoul, South Korea, 25-28 September 2008.

Kirti Singh, Usha Yadava and Basudeb Ghosh: Diode laser cyclophotocoagulation – A short term follow up, at South East Asia Glaucoma Interest Group / Acute Angle Closure Glaucoma Joint Congress, at Seoul, South Korea, 25-28 September 2008.

Kirti Singh: Chief instructor of Instruction course. Different strokes: Mastering the different types of glaucoma surgery, at South Asian Academy of Ophthalmology and III Indian AMD Conference, New Delhi, 23-24 August 2008.

Complications after glaucoma surgery: How to manage? Instruction course – Different strokes: Mastering the different types of glaucoma surgery, at South Asian Academy of Ophthalmology and IIIrd Indian AMD Conference, New Delhi, 23-24 August 2008.

Meenakshi Thakkar, Shalini Gupta and B. Ghosh: To study the anatomical and functional outcome of transpupillary thermotherapy in Idiopathic central serous retinopathy, World Congress of Ophthalmology, Hongkong, 26-30 June 2008.

Subhash Dadeya: Presented paper, 'Long Term Results of Knapp's Procedure in DEP', World Congress of Ophthalmology, Hongkong, 26-30 June 2008.

Publications

Kumar, V., Ghosh, B., Raina, U.K. and Goel, N. 2008. 'Comparative Therapy Evaluation of Intravitreal Bevacizumab and Triamcinolone Acetonide on Persistent Diffuse Diabetic Macular Edema'. *American Journal of Ophthalmology*, 146: 974.

Kumar, V., Ghosh, B., Raina, U.K., Thakar, M. and Goel, N. 2009. 'Posterior polar micropulse panretinal photocoagulation for proliferative diabetic retinopathy'. *Eye*.

Dadeya, S. and Vats, P. 2008. 'Levo dopa/ Carbi Dopa in amblyopia'. *Journal of Pediatric Ophthalmology and Strabismus*.

Malik, K.P.S. and Goel, R. 2009. 'Nuclear Management with Blumenthal technique Anterior Chamber maintainer'. *IJO* : 57: 23-5.

Books (Written/Edited)/Chapters contributed

Ghosh, B. 2009. 'Laser Parameters in Indian Eyes', in *Clinical Ophthalmology – Contemporary Perspectives*, New Delhi : Elsevier.

Singh, K., Jain, S. and Yadava, U. 2008. 'Ocular blood flow'. New Delhi: Ophthalmic Society Times.

Goel, R. and Malik, K.P.S. 2008. 'Scleral fixated transplantation', in *Implants in Ophthalmology*. AIPS, CME Series No.15, pp. 17-19.

2009. 'Versatility o anterior chamber maintainer' in *Master s Guide to MSICS*, (ed.) Garg, A.(1st edn). New Delhi: Jaypee Publicatiions,

Chaudhuri, Zia. 2008. *Step by step Clinical Management of Strabismus*, 1st edition New Delhi: Jaypee Medical Publishers Pvt. Ltd.

2008. Video Contributions in *Jaypee's Video Atlas of Ophthalmic Surgery*, Ed-in Chief, Ashok Garg, 1st edn., New Delhi: Jaypee Medical Publishers - 6 videos.

OBSTETRICS AND GYNAECOLOGY (MAMC)

Major Activities

The Department of Obstetrics and Gynaecology is working towards excellence in patient care and academic and research work. The practical course for post graduates which is conducted by the Department every year is in great demand as shown by the number of students attending it. The Colposcopy workshop was conducted in February 2009 under the aegis of RCOG and AOGD. The IVF Centre, the first IVF centre in any Delhi Government Hospital, is functioning successfully. Faculty is also involved in the training of students of fellowship in HIV medicine (1 year course for doctors) and Colposcopy training. The Department has won the S.N. Mukharjee Rotating Trophy for year 2008 for best presentation in monthly AOGD clinical meeting.

New Addition

Dr. Latika Sahu

Honours /Distinctions

Dr. S. Batra: President, ISCCP.

Awarded Delhi State Award for contribution in the field of Obstetrics and Gynaecology in 2008.

Dr. Usha Manaktala: Nominated by the Indian Bureau of Indian Standard for scientific meeting to discuss contraceptive devices at Montreux, Switzerland, and invited by WHO to attend the above meeting as Indian expert delegate on the subject.

Seminars/Conferences attended

Dr. Reva Tripathi: Presented a poster entitled 'Maternal fetal outcome in patients with abnormal vaginal flora after treatment with vaginal clindamicine in early pregnancy', VII RCOG Conference in Montreal, Canada, 2008.

Dr. Vijay Zutshi, Dr. B. Makkar, Dr. S. Singh, Dr. P. Aggarwal, Dr. S. Batra and Dr. G. Gandhi: Presented a paper, 'Comparison of methergin versus prostodin in controlling blood loss during third stage of labour', IX World Congress and XVII National Conference of Reproductive and Child Health, Jaipur. Abstract pp. 47.

Dr. B. Makkar, Dr. V. Zutshi, Dr. R. Sharma and Dr. S. Batra: Presented a paper, 'Comparison of interval Cut versus puerperal cut'. IX World Congress and XVII National Conference of Reproductive and Child Health, Jaipur. Abstract, p.49.

Dr. Meenakshi, Dr. Gandhi, Dr. S. Batra, Dr. Vijay Zutshi, Dr. S. Shyamsunder and Dr. N. Gami: Presented a paper, 'Role of transvaginal sonography in abnormal bleeding', IX World Congress and XVII National Conference of Reproductive and Child Health, Jaipur. Abstract, p. 67.

Dr. S. Dagar, Dr. S. Batra, Dr. S. Prasad, Dr. S. Ramji Dr. A.K. Mandal, Dr. V. Zutshi and Dr. D. Goswami: Presented a paper, Evaluation of non invasive tests of fetal well being as predictors of intra-uterine infection in preterm pre-mature rupture of membranes'. IX World Congress and XVII National Conference of Reproductive and Child Health, September 2008, Jaipur. Abstract, p. 49.

Dr. M. Meena, Dr. A. Kumar, Dr. R.K. Gupta, Dr. S. Prasad, Dr. N. Kumar and Dr. S. Batra: Presented a paper, ' Latent celiac disease in Reproductive Age group', XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi, Delhi. Abstract, p. 101.

Dr. S. Mittal, Dr. A. Kumar, Dr. R.K. Gupta, Dr. S. Prasad and Dr. S. Batra: Presented a paper, 'The prevalence and determinants of Osteoporosis in postmenopausal Indian women', XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi', Abstract, p. 118.

Dr. A. Kumar, Dr. S.S. Devi, Dr. S. Batra and Dr. D.K. Shukla: Presented a paper, 'Calcium supplementation for the prevention of pre-eclampsia. XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi. Abstract, p. 88.

Dr. P. Pundhir, Dr. Y.M. Mala, Dr. R. Tripathi, Dr. S. Batra and Dr. Shakun Tyagi: Presented a paper, 'Contraceptive usage and awareness among HIV positive women in northern India'. XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi'. Abstract, p. 89.

Dr. G. Gandhi, Dr. G. Bini, Dr. Neha., Dr. Pranay Ghosh, Dr. Vijay Zutshi. and Dr. Swaraj Batra: Presented a paper, 'Scar endometriosis following plain laparoscopic tubal ligation: A case report'. XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi. Abstract, p. 104.

Dr. Akansha, Dr. Poonam Sachdeva, Dr. Rupali Bessi, Dr. Chanchal Gupta, Dr. Raksha Arora, Dr. Vijay Zutshi and Dr. Swaraj Batra: Presented a paper, 'A rare case report: Heterotopic pregnancy and its outcome', XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi. Abstract, p. 105.

Dr. Binni Makkar, Dr. V. Zutshi, Dr. R. Sharma and Dr. S. Batra. Presented a paper, 'Postpartum IUCD - How useful it is?', XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi. Abstract, p. 113.

Dr. P. Pundhir, Dr. Y.M., Mala, Dr. Vandana Goel, Dr. R. Tripathi. Dr. S. Batra: Presented a paper 'Gynaecological profile and cervical cytology of HIV positive women in northern India'. World Congress on HIV in Women.

Dr. S. Dagar, Dr. S. Batra, Dr. S. Prasad, Dr. S. Ramji Dr. A.K. Mandal, Dr. V. Zutshi, Dr. G. Gandhi, Dr. D. Goswami and Dr. N. Gami: 'Maternal and neonatal outcome in patients with preterm premature rupture of fetal membranes', XXX Annual Conference of AOGD, Delhi. Abstract, p. 60.

Dr. Meenakshi, Dr. G. Gandhi, Dr. S. Batra, Dr. V. Zutshi, Dr. S. Shyamsunder and Dr. D. Goswami: Presented a paper, 'To study the role of office hysteroscopy in abnormal uterine bleeding', XXX Annual Conference of AOGD, Delhi, November 2008. Abstract, p. 62.

Dr. P. Kochar, Dr. V. Zutshi and Dr. S. Batra: Presented a paper 'Role of doppler in management of fetal growth restriction'. XXX Annual Conference of AOGD, Delhi. Abstract, p. 67.

Dr. P. Sachdeva, Dr. C. Gupta, Dr. Akansha, Dr. J. Jyoti, Dr. N. Gami, Dr. C. Dubey, Dr. R. Arora and Dr. S. Batra: Presented a paper, 'Changing trends in the management of uterine atony – B lynch the saving grace'.

U. Manaktala. Presented a paper, 'CTG changes in meconum stained liquor', at Narchi, Jaipur, 14–15 September 2008.

'Role of fetal scalp stimulation test in intrapartum fetal distress', at Narchi, Jaipur, 14–15 September 2008.

'Role of cardio tocographic changes in intrapartum – non screening fetal status', at AICC – RCOG, Delhi, 28–29 March 2009.

'Role of fetal scalp stimulation test in intrapartum fetal distress', at LII AICOG, Jaipur, 5-8 January 2009.

'Role of saline contrast hysterosonography in evaluation of perimenopausal abnormal uterine bleeding', Jaipur, 5-8 January 2009.

'Ethacredine lactate in 2nd trimester medical termination of pregnancy', at Narchi, Jaipur, 14–15 September 2008.

Guest lecture – 'Hypertension disorders of pregnancy', at Shakti Nagar, Lucknow, UP, All India Congress and CME original by NTPC, 2008.

Guest lecture – 'Pre eclampsia and its management', Delhi Chapter of IMA (Central Zone), 3 December 2008.

Panel discussion on 'Alternative medicine in HRT menopausal women', Jaipur, August 2008.

'Demographic profile of patients desiring MTP', at XXIII AICC- RCOG, Delhi, 1-2 March 2009.

'On role of cardio tocographic fetal scalp stimulation test in intrapartum fetal distress', at Annual Conference of AOGD, Delhi, 8–9 November 2008.

'Rectal Misoprostol Versus Vaginal Misoprostol in first trimester termination of pregnancy', at AICC – RCOG Conference, New Delhi, 1–2 March 2009.

Dr. L. Wadhwa, Dr. A. Tempe and Dr. S. Sanwal: Presented a paper, 'Should hysteroscopy be a routine procedure during laparoscopy in infertile women', IV Indian Conference of Indian Fertility Society held at Chandigarh, 13-14 December 2008.

Dr. L. Wadhwa, Dr. A. Tempe, Dr. S. Sanwal and Dr. Yuva Fogs: Presented a paper, 'Diagnostic and operative hysterolaparoscopy as a tool in evaluation and management of female infertility', Agra, July 2008.

'Maternal and fetal outcome in eclampsia', Agra, July 2008.

Dr. L. Wadhwa, Dr. A. Tempe, Dr. S. Sanwal and Dr. K. Agarwal: Presented a paper, 'Should hysteroscopy be a routine procedure during laparoscopy in infertile women', Souvenir', XXX Annual Conference of AOGD, Delhi, November 2008, p. 96.

Dr. R. Narula, Dr. K. Aggarwal, Dr. A. Tempe and Dr. L. Wadhwa: Presented a paper, 'PSOAS abscess in pregnancy-a diagnostic dilemma, report of 2 cases', Souvenir, XXX Annual Conference of AOGD, Delhi, November 2008, p.101.

Dr. A.Kumar, Dr. S.G. Devi, Dr. S. Batra, and Dr. D.K. Shukla: 'Calcium supplementation for prevention of preeclampsia', XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi.

Dr. M.Meena, Dr. A. Kumar, Dr. R.K. Gupta, Dr. S. Prasad, Dr. N. Kumar and Dr. S. Batra: Presented a paper, 'Latent celiac disease in reproductive age group', XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi.

Dr. S. Mittal, Dr. A. Kumar, Dr. R.K. Gupta, Dr. S. Prasad and Dr. S. Batra: Presented a paper, 'The prevalence and determinants of osteoporosis in postmenopausal Indian women'. XXX Annual Conference of Association of Obstetricians and Gynaecologists of Delhi.

Publications

Tempe, A., Wadhwa, L. and Batra, S. 2008. *Current Concepts in Contraception and Women's Health*, (1st ed.) New Delhi: Jaypee Brothers.

Kohaar, I., Hussain, S., Thakur, N., Tiwari, P., Nasare, V. and Batra, S. 2009. 'Association between human leukocyte antigen class ii alleles and human papillomavirus – mediated cervical cancer in India women'. *Human immunology*, 70: 222-9.

Aggarwal, P., Zutshi, V. and Batra, S. 2008, 'Role of hyoscine N – butyl bromide as labor analgesic'. *Indian Journal of Medical Sciences*, 62(5): 179-84.

Zutshi, V., Aggarwal, P. and Batra, S. 2008. 'Post–hysterectomy fallopian tube prolapse: Elementary yet Enigmatic'. *J Turkish-German Gynecol Assoc.* 9(2): 117-19.

Kumar, A., Meena, M., Devi, S.G., Gupta, R.K. and Batra, S. 2008. 'Calcium in midpregnancy'. *Arch Gynecol Obstet.* 19-23.

Pande, S., Jain, N., Prusty, B.K., Bhambhani, S., Gupta, S., Sharma, R., Batra, S. and Das, B.C. 2008. 'Human papillomavirus type 16 variant analysis of e6, e7 and 11 genes and long control region in biopsy samples from cervical cancer patients in north India'. *J of clinical microbiology*, 46(3): 1060-6.

Mehta, S., Zutshi, V., Batra, S. and Garg, P. 2009. 'Difficulties in management of pyometra'. *Obs and Gynae Today*, XIV (1): 32-3.

Shahid, M., Dhillon, V.S., Hussain, Z., Masa, J.F., Asalam, M., Raish, M., Ahamad, A., Khan, N.J., Prasad, S., Batra, S., Pasha, S.T. and Hussain, S.A. 2008. 'Analysis of SRY gene in two sex reversed XY sister identifies two new novel point mutations in the high mobility group box domain'. *Fertil Steril*, 25 [epub].

Prasad, S. and Choudhary, K. 2008. 'Estimation of anti-mullerian hormone concentration: A marker of ovarian reserve'. *Reproductive Biomedicine online*, 16, suppl. 2, s-40.

Ghosh, S.B. and Tempe, A. 2008. 'Retroperitoneal adenocarcinoma presenting as obstructed labour' –A rare case report. *Arch. Obstet. Gynae.*

Deka, P., Das, B.C., Kumar, A. and Kar, P. 2008, 'Poor pregnancy outcome in hepatitis e and association of progins: A haplotype of progesterone receptor'. *J Gastroenterol Hepatol*, 23(s5): a 40.

Begum, N., Asim, M., Polipalli, S.K., Kumar, A., Husain, S.A. and Kar, P. 2008. 'Hepatitis e viral gastroenterol quantification in patients of fulminant hepatic failure by real time pcr'. *J hepatol*, 23(s5): a12.

Singh, C. and Kumar, A. 2008. Acute abdomen in pregnancy'. *Obst and Gynae today*, 13(4): 146-9.

Kumar, A., Begum, N. and Meena, M. 2008. 'Cytokine gene polymorphism in recurrent pregnancy IOS'. *Obs and Gynae Today*, 13(10): 405-9.

Han, T.S., Goswami, D., Trikudanathan, S., Creighton, S.M. and Conway, G.S. 2008. 'Comparison of bone mineral density and body proportions between women with complete androgen insensitivity syndrome and women with gonadal dysgenesis'. *Eur J Endocrinol.*, 159(2): 179-85.

Michala, L., Goswami, D., Creighton, S.M. and Conway, G.S. 2008. 'Swyer syndrome: presentation and outcome'. *Br J Obstet Gynaecol.*, 115(6): 737-41.

ORTHOPAEDICS (MAMC)

New Additions

Professor Manoj Kumar

Honours/Distinctions

Dr. Ajay Gupta: ICMR senior scientist, International Fellowship Slip for 3 weeks at Guy's Hospital, London.

Dr.Lalit Maini: Nominated as one of the 'Top 100 Health Professionals 2008' by International Biographical Centre, Cambridge, England.

Awarded KT Dholakia Best Paper Award, Ranawat Orthopaedic Foundation Winter Meeting, Delhi.

Reviewer, *JBJS* British

Reviewer of *Indian Journal of Orthopaedics*.

Dr. Sumit Sural: Reviewer of Indian Journal of Orthopaedics.

Member, Editorial Board, College magazine, *Spandan*.

Seminars/Conferences attended

Dr. A.K. Dhal: Attendent IOACON Bangalore, 5-8 December 2008.

Lobo Memorial Symposium, Ludhiana, November 2008.

Dr. Ajay Gupta: Attended Maharashtra chapter IOA (MOACON), Management of DISI of the wrist, November 2008.

Dr. V.K. Gautam: Delivered a talk on TKR (Principle), NZIO AC, India Habitat Centre, 4 April 2008.

Attended Current Concept in Arthroplasty, AIIMS, 23-24 August 2008.

Panelist for the arthroplasty session, 'Midycon 2008', under the aegis of DOA, India Habitat Centre, 7 August 2008.

Dr. Mukesh Kalra: Attended Symposium on Keyhole Aatechnique in Medicines at Chennai, 7-8 February 2009.

Dr. Vinod Kumar: Presented a paper 'Early arthroscopic Release in Stiff Shoulder', VII Annual Conference of Indian Arthroscopy Society, Goa, 25-27 September 2008.

'Early results of Double Bundle ACL Reconstruction', VII Annual Conference of Indian Arthroscopy Society, Goa, 25-27 September 2008.

Dr. Sumit Sural: Attended Annual Conference, Indian Arthroplasty Association, New Delhi, November 2008.

Midcon- Delhi Orthopaedic Association Conference, India Habitat Centre, New Delhi.

Dr. Lalit Maini: Presented a paper at XXIV SICOT/ SIROT World Triennial Congress, Hong Kong, September 2008.

Oral Presentations

Functional Anthropometric Measurement of Indian Pelvis on Plain Radiograph.

Femoral nerve for spica application in paediatric femoral shaft fractures.

Axial alignment of the lower extremity in Indian adults.

Incidence of musculoskeletal disorders in computer users and its ergonomic implications.

Preoperative estimation of intramedullary nail length using indirect measurements.

Medial wedge osteotomy in malunited depressed tibial plateau fractures: A new technique.

Poster Presentation

Removal of multi segmental broken nail by close technique using a TEN nail salvage of an infected nonunion intertrochantric fracture.

Bilateral fracture neck of femur in bilateral fused hips: Absence of medial epicondyle an ominous sign in elbow injury medial dislocation of elbow – a rare disease with favorable outcome.

Extensive limb lengthening – a useful solution in PFFD.

Absent pectoralis major with normal muscle function (Poland Syndrome).

Solitary fibrous dysplasia of rib – A rare cause of chest pain.

Traumatic Thoraco Lumbar Spondyloptosis.
Tubercular Lumbosacral Spondyloptosis.
Pseudovolkman Sign In Chronic Osteomyelitis Radius.

Publications

Jain, V., Agrawal, M., Dabas, M., Kashyap, A., Sural, S. and Dhal, A. 2008. 'Dupatta (scarf): A unique cause of cervical spine injury in females'. *Injury*, 39(3): 334-9.

Jain, V., Agrawal, M., Sen, B., Mehtani, A., Dhal, A. 2008. 'Volkmans sign of non ischaemic origin'. *J Hand Surg (Europ)*, 33E4: 462-4.

Sabat, D., Kumar, V. and Gupta, A. 2008. 'Scapholunate dissociation: A rare presentation of TB wrist in a case of multifocal skeletal tuberculosis'. *Indian J. Tub.* 55: 149.

Sabat, D., Singh, D., Kumar, V. and Gupta, A. 2008. 'Intra muscular haemangioma presenting with persisted reaction'. *Europ. J. Orthop. Surge.*

2009. 'Pre operative estimation of intramedullary nail length using indirect measurements'. *JOOA*, 29.

Sabat, D., Kumar, V. and Gupta, A. 2008. 'Intramuscular hemangioma Presenting With Periosteal Reaction- Report of 2 Cases and Review of Literature'. *European J of Orthopaedics and traumatology*.

Sabat, D. and Kumar, V. 2008. 'Early Arthroscopic Release In Stiff Shoulder'. *International Journal of Shoulder Surgery*, 2: 36-40.

Datta, S., Sabat, D. and Kumar, V. 2008. 'Biological therapy in rheumatoid arthritis'. *Orthopaedics today*, 10(4):187-91.

Sabat, D., Kundu, K., Sen, B. and Kumar, V. 2008. 'Arthroscopic Reconstruction of Anterior Cruciate Ligament: A comparative Study of Functional Results between Patellar Tendon Graft and Hamstring Tendon Graft'. *Delhi J of Orthopaedics*, 4 (2): 110-14.

Gautam, V.K., Agarwal, P., Maini, L. and Prakash, A. 2008. 'Intraosseous Glomus Tumor in Acromion Process of Scapula'. *Orthopaedics*, 31: 406.

Sharma, H., Chauhan, M. and Maini, L. 2008. A technique to remove a broken guide wire transfixing the hip joint. *Acta Orthop. Belg.*, 74: 683-5.

Singh, V., Yuvarajan, P. and Maini, L. 2008. 'An overview of the changing paradigms in polytrauma patient care'. *Asian Archives of Anaesthesiology and Resuscitation*, 66 (2): 1523-29.

Singh, H., Jain, N., Yuvarajan, P. and Maini, L. and Gautam, V.K. 2008. 'Pre operative estimation of intramedullary nail length using indirect measurements'. *Journal of Orissa Orthopaedic Association*, 29: 33-5.

Sharma, H. and Maini, L. 2008. 'Routine chemoprophylaxis for deep vein thrombosis in Indian patients: Is it really justified?' *Indian Journal of Orthopaedics*, 42(2): 231.

Agrawal, M., Jain, V., Sen, B., Kashyap, A. and Maini, L. 2008. 'Fracture of both bones forearm with posterior dislocation elbow in adult: Is it Monteggia type I equivalent?' *Delhi Journal of Orthopaedics*, 4(2): 129-31.

Saxena, K.N., Kapoor, D., Taneja, B., Maini, L. and Hora, S. 2008. 'Anaesthetic management of caesarean section in an Achondroplastic Dwarf'. *Indian Journal of Anaesthesia*, 52(6): 844-48.

Maini, L. of co-author, chapter-'Metastatic bone disease', in G.S. Kulkarni, *Text book of Orthopaedics*.

PAEDIATRICS (MAMC)

Research Schemes

Dr. A.P. Dubey: A Randomised, double-blind, placebo-controlled, Multicenter, Parallel-arm Study Assessing the Efficacy, Safety, and Dose-Response of Ramipril for the treatment of Hypertension in Children and Adolescents.

A phase III, randomised, open, control, multicenter, Primary vaccination study in subjects aged 2-10 and 11-17 years to demonstrate the non-inferiority of GSK Biologicals' meningococcal vaccine GSK 134612 vaccine versus Mencevax™ ACWY.

Open labelled, randomised, multicentric, comparative study to evaluate the immunogenicity and reactogenicity of DTwP vaccine of Panacea Biotec Ltd. and Triple Antigen of serum Institute of India Ltd.

A Randomised, Double Blind, Controlled, Safety, Tolerability and Immunogenicity Phase II Trial of HIVERIVAX™-JE and Japanese encephalitis inactivated mouse brain vaccine in children of descending age and assessment of possible interaction with concomitant measles vaccine.

Dr. G.R. Sethi: A Randomised, double-blind, placebo-controlled, Parallel Group Study for investigating the Safety and Efficacy over 12 weeks treatment period of MAP0010 in Asthmatic infants and children 12 months to 8 years of age.

Dr. Sangeeta Yadav: A multicentric, Randomised, Comparative trial to assess the immunogenicity and reactogenicity of DTPw-HB-Hib (2.5mcg) manufactured by Serum Institute of India Ltd., Pune, in comparison with DTPw-HB-Hib vaccine manufactured by GSK, in children aged 6-14 weeks.

A multicentric Randomised, Comparative Clinical trial to assess the immunogenicity and reactogenicity of DTPw-HB-Hib (PRP-T) vaccine (adsorbed) manufactured by Serum Institute of India Ltd., Pune, in comparison with DTPw-HB-Hib (CRM 197) vaccine (adsorbed) manufactured by Panacea Biotec Ltd. in Indian children aged 6-14 weeks.

A multicentric Randomised, Comparative Clinical trial to assess the immunogenicity and reatogenicity of DTPw-Hib (PRP-T) vaccine (adsorbed) manufactured by Serum Institute of India Ltd., Pune, in comparison with TPw-Hib vaccine (adsorbed) manufactured by Sanofi Pasteur Ltd. in Indian children aged 6-14 weeks.

To assess the eating behaviour and physical activity in relation to under-nutrition and over nutrition in 6-10 years of age.

To provide normative data of selected anthropometrical parameters for dysmorphic diagnosis in children of North India.

Dr. R.N. Mandal: Study of cardiac abnormalities in HIV infected children.

Study of comparative efficacy of Jet nebuliser with or without a modified spacer device in the treatment of acute exacerbation of Asthma.

Dr. U. Jhamb: Occurrence of Major Nosocomial infections in PICU.

Dr. Seema Kapoor: Newborn Screening for Congenital Hypothyroidism and Congenital Adrenal hyperplasia: A Multicentric Study by ICMR, New Delhi.

Dr. A.P. Dubey and Dr. Seema Kapoor: Antenatal screening of women for thalassemia status'.

Dr. Ajay Kumar: Evaluation of WHO/UNICEF Algorithm for Integrated Management of Neonatal and Childhood Illnesses in the Age Group 0-7 Days.

Dr. Monica Juneja: Serum Ferritin in children with ADHD.

The prevalence of Autism spectrum disorders in children with epilepsy.

Dr. K. Rajeshwari: Clinicoetiological study of dysentery in children.

Dr. Seema Kapoor: The association of serum homocysteine and Polymorphisms of the Methylenetetrahydrofolate reductase gene in mothers with babies having Downs Syndrome.

The role of Vitamin B12, Folic Acid and iron in alterations of RBC morphology in Downs Syndrome.

Honours/Distinctions

Dr. Panna Choudhury: Elected National President of Indian Academy of Paediatrics for the year 2009.

Dr. A.P. Dubey: Appointed Executive Editor of *Indian Paediatrics*.

Dr. GR Sethi: Appointed Advisor, Ethics of Indian Paediatrics.

Dr. M. Mantan: Appointed Joint Secretary and Treasurer of the Indian Society of Paediatric Nephrology (ISPN) in 2008.

Dr. S. Yadav: Awarded Fellowship of the Indian Academy of Paediatrics.

Seminars/Conferences attended

Dr. A.P. Dubey: Presented a paper in International Conference Digestive Disease Week 2008, San Diego USA, May 2008.

Attended International Thalassemia Conference, Singapore, 16-18 September 2008.

International Vaccine Conference, New Delhi, 29-30 November 2008.

State Conference of IAP, Delhi at New Delhi, December 2008.

UP State Conference of IAP, Noida, December 2008.

Dr. G.R. Sethi: Delivered a talk at UP PEDICON, Noida, 16 November 2008.

Dr. S. Yadav: Attended 1st Pneumococcal Disease Conference ASAP, Udaipur, 5-6 April 2008.

Attended Workshop as Faculty on Laboratory, Clinical and Data Entry, at AIIMS, New Delhi, 16-17 June 2008.

Invited participant, II India Probiotics Symposium, 7-8 November 2008.

Invited participant, 'Adolescent Job Aid' workshop, New Delhi, 11-13 November 2008.

Speaker, 'SGA: Diagnostic and Therapeutic Considerations', GHD Workshop, New Delhi, 22 November 2008.

Dr. R.N. Mandal: Current perspectives in Paediatric gastroenterology, hepatology and paediatric gastroenterological surgery, New Delhi, October 2008.

Dr. Monica Juneja and Dr. D. Mishra: Participated in WHO supported workshop on 'Autism spectrum disorders', organised by DGHS, Min H and FW, GoI, OHC, New Delhi, 27-28 September 2008.

Dr. S. Kapoor: Delivered a guest lecture, 'Genetics in Paediatric practice', CME organised by UP Pedicon, 16 November 2008.

Dr. Alok Hemal: Attended Mid-term Paediatric Gastroenterology Conference, Bhopal, April 2008.

Attended Annual Paediatric Gastroenterology Conference of IAP, Mumbai, November 2008.

Dr. D. Mishra: Delivered talk on 'Newer Antiepileptics-Lamotrigine and Topiramate', National Conference of Association of Child Neurology, Delhi, 15-16 November 2008.

Dr. U. Jhamb: Guest lecture, 'Resistant nosocomial infections', CME in Pedicon 2009 (Annual Conference of IAP), Bangalore, 22 January 2009.

Lead discussant on session on Cardiovascular Emergencies at National Assembly on Paediatric emergencies at Delhi, India International Centre, 28 February 2009.

Publications

Joshi, N., Rajeshwari, K., Dubey, A.P., Singh, T. and Kaur, R. 2008. 'Clinical spectrum of fever of unknown origin among Indian children'. *Ann Trop Paediatr*, 28: 1–6.

Dubey, A.P., Rakeshwari, K. and Chakrabarty, A. 2008. 'Use of VSL # 3 in Rota Virus Diarrhea'. *J Clinical Gastroenterol*, 42(8): S 126–9.

Parakh, A., Dubey, A.P., Rajeshwari, K. and Ghalot, N. 2008. 'Efficacy of modified WHO feeding protocol for severely malnourished children: A pilot study from a teaching hospital in New Delhi'. *Asia Pacific J Clinical Nutrition*.

Parakh, A., Sudha, S., Dubey, A.P. and Gupta, A. 2008. 'Celiac disease in a child with B-Thalassemia major'. *J Paediatr Hamatol Oncol*.

Mishra, D., Choudhary, K.K. and Gupta, A. 2008. 'Headache with Autonomic Features in a Child – Cluster Headache or Contact-point Headache?' *Headache*, 48(3): 473-5.

Mantan, M., Sharma, S. and Mishra, D. 2008. 'Neonatal acidosis with nephrocalcinosis - A clinical approach'. *Am J Kid Dis*.

Dubey, A.P., Parakh, A. and Dubish, S. 2008. 'Current trends in the management of Beta Thalassemia'. *Indian J Paediatr*, 75: 739-43.

Parakh, A., Dubey, A.P. and Samanta, D. 2008. 'Caspofungin'. *Indian Paediatr*, 905–10.

Kashyap, B., Kumar, S., Sethi, G.R., Das, B.C. and Saigal S.R. 2008. 'Comparison of PCR, culture and serology tests for the diagnosis of Mycoplasma pneumoniae in community acquired lower respiratory tract infections in children'. *Indian J Med Res*, 128: 134-9.

Sethi, G.R. and Singhal, K.K. 2008. 'Pulmonary Diseases and Steroids'. *Indian J Pediatr*, 75(10): 1045-56.

Krishnamurthy, S., Kapoor, S., Sharma, V. and Prakash, A. 2008. 'Tectocerebellar dysraphia and occipital encephalocele: an unusual association with abdominal situs inversus and congenital heart disease'. *Indian J Pediatr*, 75: 1178-80.

Kapoor, S., Mukherjee, S.B., Arora, R. and Shroff, D. 2008. 'Peters plus syndrome'. *Indian J Pediatr*, 75: 635-7.

Mishra, D. and Manchanda, V. 2008. 'Bottle feeding and Salmonella enteritidis bacteremia in a twin pair'. *Indian J Pediatr*, 75: 407.

Sethi, M., Mishra, D. and Mishra, P. 2008. 'Spondyloepiphyseal dysplasia congenita'. *Indian J Pediatr*, 75: 644-5.

Mishra, D., Chaturvedi, D. and Mantan, M. 2008. 'Typhoid fever and acute viral hepatitis: An unusual clinical scenario'. *Indian J Pediatr*, 75: 509-10.

Mishra, D., Kalra, V. and Seth, R. 2008. 'Failure of Prophylactic Zinc in Wilson Disease'. *Indian Pediatr*, 45: 151-3.

Mishra, D. and Seths S. 2008. 'Medication errors among inpatients'. *Indian J Pediatrics*, 75: 966.

Dhingra, B. and Mishra, D. 2008. 'Disseminated Cysticercosis in an infant'. *Indian Pediatric*, 45:1008-9.

Mantan, M., Sriram, C.S., Hari, P., Dinda, A. and Bagga, A. 2008. 'Efficacy of intravenous pulse cyclophosphamide treatment versus combination of intravenous dexamethasone and oral cyclophosphamide treatment in steroid-resistant nephrotic syndrome'. *Paediatr Nephrol*, 23: 1495-502.

Chapters in books

Jhamb, U. and Parakh, A., 2009. 'Pleural effusion in children', In *Neonatal and Paediatric respiratory diseases*, (ed.) Khillnani, P. IK International Publishing House Pvt. Ltd., pp.169-83.

2009. 'Aspiration Pneumonia in children', In *Neonatal and Pediatric respiratory diseases*. (ed.) Khillnani P., IK International Publishing House Pvt Ltd., pp 239-49.

PULMONARY MEDICINE (VPCI)

Major Activities

The Department conducts teaching programmes of both the postgraduate degree and diploma courses, viz. MD (Pulmonary Medicine) and Diploma in Tuberculosis and Chest Diseases (DTCD). Besides diadetic lectures, clinical demonstrations along with seminars, daily ICU as well as clinical / mortality / clinico-pathological meetings and journal clubs were conducted regularly.

Research schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Pulmonary Function in Normal Children in Delhi region: Development of reference standards for spirometry.	Prof. S.K. Chhabra	Indian Council of Medical Research
For continuation of the 'Tobacco Cessation Clinic' at Vallabhbhai Patel Chest Institute, Delhi.	Dr. Raj Kumar	WHO

Effect of Indoor Air Pollution
on respiratory function of
children (7-15 years).

Ministry of Environment
and Forest

Real Time PCR based rapid detection
of Mycobacterium tuberculosis from
peripheral blood samples.

Dr. Bala K Menon

DBT

Honours/distinctions

Dr. V.K. Vijayan: President, Indian College of Allergy, Asthma and Applied Immunology.

President, South Asian Association of Allergy, Asthma and Clinical Immunology.

Vice President, World Lung Foundation-South Asia.

Chair, Clinical Respiratory Medicine Assembly, Asian Pacific Society of Respiriology.

Member, Editorial Advisory Board, *Chest*, Official publication of the American College of Chest Physicians; Member, Editorial Board, *World Allergy Organisation Journal*.

Member, Editorial Advisory Board, *Chest* (Indian Edition), a publication of the American College of Chest Physicians; Member, Editorial Advisory Board, *Thorax* (South Asian Edition)

Member, Editorial Board, *The Open Respiratory Medicine Journal*; Member, Editorial Board, *Lung India*, Official publication of the Indian Chest Society; Member, Editorial Board, *Indian Journal of Tuberculosis*, Official Journal of the Tuberculosis Association of India; Member, Editorial Advisory Committee, *Pulmon*, Official Publication of the Academy of Pulmonary and Critical Care Medicine and Member; Editorial Board, *Indian Journal of Sleep Medicine*, journal of the Indian Sleep Disorders Association.

Chairman: Project Review Committee for the Division of NCD in the field of Environment, ICMR.

Member, Expert Committee of the Project Review Group (PRG) for Indo-US Project Proposals in the area of Environmental and Occupational Health, Indian Council of Medical Research (ICMR), New Delhi; Expert Member, ICMR Expert Committee for the assessment of Research Officer (Scientist B) and Senior Research Officer (Scientist C), Assistant Director/Assistant Director General (Scientist D) and Deputy Director/ Deputy Director General (Scientist E) at NIOH for grant of promotions/advance increments; Advisor, Union Public Service Commission, New Delhi, to select candidates for the post of Assistant Professor (Chest Medicine), JIPMER, Pondicherry, Specialist Grade II (Teaching Specialist Sub-cadre); Expert Member, Selection Committee for the post of Scientist Gr. IV(1) at Indian Institute of Toxicology Research under CSIR, Lucknow.

Prof. S.N. Gaur: Secretary, South Asia Association of Asthma Allergy and Immunology, 2008.

Editor. *Indian Journal of Allergy, Asthma and Immunology*.

Secretary, National College of Chest Physicians (India).

Awarded Fellowship of National Academy of Medical Sciences (NAMS), 2008.

Reviewer of the manuscripts from journals – *Chest* (American College of Chest Physicians), and *African Journal of Biochemical Research*, from 2008.

Expert, Selection committee, DNB course, LRS Institute of TB and respiratory diseases. Expert, Selection committee for promotion to professor in Pulmonary Medicine, CSMM University (Prev. KGMU), Lucknow.

Prof. Ashok Shah: Editor, *The Indian Journal of Chest Diseases and Allied Sciences*.

Associate Editor, *The Indian Journal of Tuberculosis*.

Member, Editorial Board, *European Respiratory Reviews*; Member, Editorial Board, *Clinical and Molecular Allergy*; Member, Editorial Board, *Open Allergy Journal*; Member, Editorial Board, *Chest (India)*; Member, Editorial Board, *Lung India*; Member, Editorial Board, *The Indian Journal of Allergy and Applied Immunology*; Member, Editorial Board, *Current Medical Trends*.

Referee, International journals : i) *American Journal of Respiratory and Critical Care Medicine*, (ii) *Annals of Thoracic Medicine*, (iii) *BMJ: Case Reports*, (iv) *Clinical Medicine: Case Reports*, (v) *European Respiratory Journal*, (vi) *Paediatrics International*, (vii) *Primary Care Respiratory Journal*, (viii) *Respirology*. Referee, National journals: (i) *Indian Pediatrics*, (ii) *Indian Journal of Medical Sciences*.

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, *Lung India*.

Referee, International journals: (i) *Thorax Thorax*, (ii) *Respiratory Medicine*, (iii) *Annals of Thoracic Medicine*.

Referee, National journals: (i) *Indian Pediatrics*, (ii) *Indian Journal of Medical Research*, (iii) *Indian Journal of Pediatrics*, (iv) *Journal of Postgraduate Medicine*, (v) *Indian Journal of Chest Diseases*, (vi) *Indian Journal of Allergy, Asthma, and Applied Immunology*, (vii) *Lung India*, (viii) *Indian Journal of Experimental Biology*.

Prof. Raj Kumar: Reviewer: International Journals: *Chest*, *British Medical Journal*, *Tobacco Control*, *Respiratory Medicine*, *International Journal of Occupational Health and Environmental Medicine* National: *Indian Journal of Chest Diseases*, *Indian Journal of Allergy, Asthma and Applied Immunology*, *Lung India*.

Expert Member in different activities of the Distance Education Department, Punjab Technical University, Jalandhar, Punjab.

Joint Secretary, Indian College of Allergy, Asthma and Clinical Immunology.

Treasurer, South Asia Association of Asthma, Allergy and Clinical Immunology.

Seminars/Conferences held

Dr. V.K. Vijayan: Organising Chairman, National Seminar on Yogic Management of Cardio-Respiratory Disorders, organised by VP Chest Institute, Delhi in collaboration with Morarji Desai National Institute of Yoga, New Delhi, 5-6 April 2008.

Vice-Chairman, Organising Committee, First International Conference of South East Asia Region (IUATLD) and LXIII National Conference on Tuberculosis and Chest Diseases, Delhi, 8-10 September 2008.

Organising Chairman: (i) 8 CME: National Seminar on Diagnostic Bronchology organised by VP Chest Institute, 29 June 2008, (ii) International Conference on 'Pathology of Chest Diseases: An integrated approach' as part of Diamond Jubilee Celebrations of Vallabhkhair Patel Chest Institute, 6-7 December 2008, (iii) Symposium on 'Emerging trends in nitric oxide research: Impact on health, disease and drug development' organised by Vallabhkhair Patel Chest Institute, 12 January 2009, as part of its Diamond Jubilee Celebrations, (iv) XXXIV Workshop on Respiratory Allergy: Diagnosis and Management organised by the VP Chest Institute in collaboration with the Institute of Genomics and Integrative Biology, 16-19 February 2009.

Prof. Raj Kumar: Organising Secretary: (I) National Seminar on Diagnostic Bronchology organised by VP Chest Institute, 29 June 2008, (ii) Workshop on Smoking Cessation organised by the Tobacco Cessation Clinic, VP Chest Institute, Delhi, 15 October 2008, (iii) XXXIV Workshop On Respiratory Allergy: Diagnosis And Management organised by VP Chest Institute in collaboration with the Institute of Genomics and Integrative Biology, 16-19 February 2009.

Seminars/Conferences attended

Dr. V.K. Vijayan: Chairman: (i) Scientific session on the role of Yoga in healthy persons, COPD and lung cancer. National seminar on Yogic Management of Cardio-Respiratory disorders, organised by V.P. Chest Institute in collaboration with Morarji Desai National Institute of Yoga, New Delhi, 5-6 April 2008, (ii) Scientific session on 'Foreign body extraction' at CME on 'Interventional Pulmonology' organised by Jaipur Golden Hospital, New Delhi, 13 April 2008, (iii) Scientific session on 'Diagnostic bronchology' at National Seminar on Diagnostic Bronchology organised by VP Chest Institute, Topic 'Bronchoalveolar lavage', 29 June 2008, (iv) Scientific session on 'Important case presentation' at National Seminar on Diagnostic Bronchology organised by VP Chest Institute, 29 June 2008, (v) Scientific session on 'Antibiotics in ICU: A never-ending enigma' at a scientific programme on 'Important Therapeutic Issues in Medicine' organised by the Department of Medicine, AIIMS, New Delhi, 10 August 2008, (vi) Scientific session on 'Genetically modified food' at the Symposium on 'Safety and Allergenicity Assessment of Genetically Modified foods:

Indian perspectives' organised by the Institute of Genomics and Integrative Biology, 28 August 2008, (vii) Scientific session on 'Obesity and Lung Health' at the First International Conference of South East Asia Region (The Union) and LXIII National Conference on Tuberculosis and Chest Diseases, organized by the Tuberculosis Association of India at India Habitat Centre, 10 September 2008.

Guest lecture on 'Diagnosis of interstitial lung disease' at Heart, Lung and Critical Care Congress 2008 organised by the American College of Chest Physicians, South India Chapter, at Hyderabad, 7-10 August 2008.

'Tobacco control and cardio-pulmonary health' and 'Pulmonary function tests in clinical practice' at National Cardio Pulmonary Symposium organised by Manoria Heart Care Centre, Bhopal, 15 June 2008.

'Tropical Pulmonary Eosinophilia' at XIII Congress of the Asian Pacific Society of Respirology, Bangkok, Thailand, 22 November 2008.

National Workshop on 'Management of Occupational Health and Safety Delivery: Scopes and Challenges' organised by the National Institute of Occupational Health, ICMR, Ahmedabad, Topic 'Occupational Lung Diseases' on 1 October 2008.

'Common chronic respiratory diseases in India', International Conference on 'Pathology of Chest Diseases: An integrated approach' as part of Diamond Jubilee Celebrations of Vallabhbai Patel Chest Institute, 6 December 2008.

'Bronchoalveolar lavage' on 7 December 2008 at International Conference on 'Pathology of Chest Diseases: An integrated approach' as part of Diamond Jubilee Celebrations of Vallabhbai Patel Chest Institute, 6-7 December 2008.

'Eosinophilic bronchitis' at XLII Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology, organised by Smt NHL Municipal Medical College at Tagore Memorial Hall, Ahmedabad, 12 December 2008.

'Therapeutic uses of nitric oxide in cardio-respiratory diseases' at National Symposium on 'Emerging Trends in Nitric Oxide Research: Impact on Health, Disease and Drug Development' as part of Diamond Jubilee celebrations of VP Chest Institute, 12 January 2009.

Chaired a session on 'Occupational Health and Safety (OHS) Delivery: Rural Sectors and Small Workplaces', National Workshop on 'Management of Occupational Health and Safety Delivery: Scopes and Challenges', organised by the National Institute of Occupational Health (ICMR, Ahmedabad, 30 September-1 October 2008.

'Thoracic empyema' at 23rd Annual Update on Pulmonary and Critical Care Medicine: Pleural Diseases' at Postgraduate Medical Education and Research, Chandigarh, 12 October 2008

Chairperson of the 'WHO-Gloria Lecture' on the topic 'Immunotherapy' at the XLII Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology, organised by Smt NHL Municipal Medical College at Tagore Memorial Hall, Ahmedabad, 12 December 2008.

Workshop on 'Silica Exposure: Diseases and Management', organised by National Institute of Occupational Health (ICMR) from 15-17 January 2009. Topic: 'Pulmonary function tests', 15 January 2009.

XXXIV Workshop on Respiratory Allergy: Diagnosis and Management, organised by VP Chest Institute in collaboration with Institute of Genomics and Integrative Biology at VP Chest Institute from 16-19 February 2009. Lecture on 'Patho-physiology of Asthma', 16 February 2009.

Moderator, Panel discussion in a scientific session at XXII Round Table Conference of Ranbaxy Science Foundation on 'Challenges of MDR/XDR Tuberculosis in India' at India Habitat Centre, New Delhi, 13 December 2008

Prof. S.N. Gaur : Guest Lecture on 'Global warming and Respiratory diseases', NAPCON-08, Lucknow, 9-12 November 2008.

'Dilemma of Global warming', ICAAICON-08, Ahmedabad, 12-14 December 2008.

'Clinical workup in allergy patients', at Workshop during ICAAICON-08, Ahmedabad, 11 December 2008.

'Immunotherapy', at Workshop during ICAAICON-08, Ahmedabad, 11, December 2008.

Practical demonstration on Vaccine therapy and prescription writing, at Workshop during ICAAICON-08, Ahmedabad, 11 December 2008.

'History taking, clinical aspects of respiratory allergy', XXXIV Workshop on Respiratory Allergy: Diagnosis and Management, VPCI, Delhi, 16-19 February 2009.

'Immunotherapy – subcutaneous', XXXIV Workshop on Respiratory Allergy: Diagnosis and Management, VPCI, Delhi, 16-19 February 2009.

Moderated Panel discussion on Immunotherapy, ICAAICON-08, Ahmedabad, 12-14 December 2008.

Chairperson, WAO-Gloria presentation lecture on Anaphylaxis by Dr. Ruby Pawankar, ICAAICON-08, Ahmedabad, 6-9 December 2008.

Paper presentation, 'Evaluating role of inhaled magnesium sulphate as an adjunct to salbutamol and ipratropium in severe acute asthma'. Poster presented at Annual Conference of American College of Chest Physicians – CHEST -2008, Philadelphia, USA, 25-30 October 2008.

Prof. Ashok Shah: 2nd South Asian Regional Symposium on 'Evidence Informed Health Care', organised by the South Asian Cochrane Network in collaboration with Cochrane Collaboration, The Indian Council of Medical Research, WHO- India Country Office and the Christian Medical College, Vellore, at Vellore, 9 April 2008.

Chaired a session on 'Hot Topic – Cellular Immunology' and presented an oral paper entitled : 'Allergic rhinitis: *Aspergillus* sensitisation increases the severity of sinusitis in blockers as compared to sneezers and runners', XXVII Congress of the European Academy of Allergology and Clinical Immunology (EAACI), Barcelona, Spain, 7 –11 June 2008.

Oral Presentation on 'Occurrence of upper airway symptoms and their impact on quality of life (QoL) in patients with chronic obstructive pulmonary disease (COPD)', XIII Congress of Asian Pacific Society of Respiriology, organised by The Asian Pacific Society of Respiriology and The Thoracic Society of Thailand, held at the Queen Sirikit National Convention Centre, Bangkok, Thailand, (attended and presented by Dr. Avi Kumar), 19-22 November 2008.

National symposium on 'Yogic management of Cardio-Respiratory Disorders', organised as part of the LIX Foundation Day Celebrations of the VP Chest Institute, Delhi University, 5 April 2008.

Chaired a Guest Lecture 'Meeting the challenge of Invasive Fungal Infections' , ICU Infections Update, organised by the Delhi Heart and Lung Institute in association with Indian Society of Critical Care Medicine (Delhi and NCR) at the Gulmohar Hall, India Habitat Centre, New Delhi, 4 May 2008.

Delivered a lecture on 'Preparation and anaesthesia of patients for flexible fiberoptic bronchoscopy', National Seminar on 'Diagnostic Bronchology', organised by the VP Chest Institute, Delhi University, 29 June 2008

Delivered a lecture on 'Interstitial lung disease: When to suspect?', Heart, Lungs and Critical Care Congress 2008, organised by American College of Chest Physicians South India Chapter held at Hotel Taj Krishna, Hyderabad, 7-10 August 2008.

Chaired a free paper session on 'Epidemiology and Clinical Diversities', First International Conference of South East Asia Region (The Union) and LXIII National Conference On Tuberculosis and Chest Diseases (SEAR-NATCON 2008) organised by the New Delhi Tuberculosis Centre, at India Habitat Centre, Delhi, 7–11 September 2008.

Workshop on Smoking Cessation organized by Vallabhbhai Patel Chest Institute, at the Paintal Memorial Golden Jubilee Auditorium, Vallabhbhai Patel Chest Institute, Delhi, 15 October 2008.

Delivered a lecture on 'Sarcoidosis in India', Chaired a session on Environmental lung disease and Chaired a poster discussion on COPD, X Joint Conference of National College of Chest Physicians (India) and Indian Chest Society (NAPCON 2008), organised by the Department of Pulmonary Medicine, Chhatrapati Shahuji Maharaj Medical University, Lucknow, 6-9 November 2008.

International Conference on Pathology of Chest Diseases: An Integrated Approach, organised by the Vallabhbhai Patel Chest Institute and the Pulmonary Pathology Society of India at the Paintal Memorial Golden Jubilee Auditorium, VP Chest Institute, Delhi University, 6-7 December 2008.

Chaired a session on Drug and Skin Allergy and delivered a lecture on 'Human Seminal Plasma Allergy', XLII Annual Conference of The Indian College of Allergy, Asthma and Applied Immunology (ICAAICON 2008), organised by Smt. N. H. L. Municipal College, Ahmedabad at Tagore Memorial Hall, Ahmedabad, 11-14 December 2008.

Delivered a lecture on 'Pulmonary Sarcoidosis: Presentation in India', Symposium on Sarcoidosis at the Monthly Clinical Meeting of the National College of Chest Physicians (NCCP) India, Delhi, held at India Habitat Centre, Delhi, 18 January 2009.

Delivered a lecture on 'The Spectrum of *Aspergillus* Lung Disease', LXIV Annual Conference of Association of Physicians of India (APICON 2009) held at the India Expo Centre, Greater Noida, National Capital Region, 29 January - 1 February, 2009.

Delivered a lecture on 'Allergic Bronchopulmonary Aspergillosis', XXXIV Workshop on Respiratory Allergy, organised by the Vallabhshai Patel Chest Institute in collaboration with Institute of Genomics and Integrative Biology at the Paintal Memorial Golden Jubilee Auditorium, VP Chest Institute, Delhi University, 16-19 February 2009.

Prof. S.K. Chhabra: Attended National Symposium on Yogic Management of Cardiorespiratory Disorders, VP Chest Institute, Delhi University, 5 April 2008.

XVII Annual Conference of Delhi Diabetic Forum, Hotel Ashok, New Delhi, 3-4 May 2008.

Chaired a session Bronchology – VIII CME, VP Chest Institute, Delhi University, 29 June 2008.

Presentation: Respiratory and Health Effects of Outdoor Air Pollution, Joint Indo-US Workshop on Environmental Risks of Respiratory Disease, Indian Council of Medical Research and PGIMER, Chandigarh, 5-6 September 2008.

Panelist: Management of COPD, First International Conference of South East Asia Region (The Union) and ,LXIII National Conference on Tuberculosis and Chest Diseases, India Habitat Centre, Lodhi Road, New Delhi, 8-10 September 2008.

Delivered Lecture on 'Health Effects of Air Pollution', Workshop on Air Pollution and Human Health, Indian Association for Air Pollution Control, WWF Lodi Estate, New Delhi, 23 September 2008.

XXII Annual Conference of Cardiological Society of India, Delhi Branch. India Habitat Centre, New Delhi, 15-16 November 2008.

National Conference on Pulmonary Diseases, Department of Pulmonary Medicine, KGMC Lucknow, 6-9 November 2008.

Delivered a lecture 'Spirometry Interpretation' in the workshop on Pulmonary Function tests, Expert in the 'Meet the Expert' session: Management of Severe COPD.

International Conference on Pathology of Chest Diseases: An integrated approach, VP Chest Institute, Delhi University, 6-7 December 2008.

Delivered a lecture titled 'COPD – Newer diagnostic and therapeutic tools', Medicine Update 2008, Maulana Azad Medical College, New Delhi, 11-13 December 2008.

Round Table Discussion: Airway Diseases 2008: The year in Review, organised by Cipla Ltd. Mumbai, December 2008.

National Symposium on Emerging Trends in Nitric Oxide Research: Impact on Health, Disease and Drug Development, VP Chest Institute, Delhi University, 12 January 2009.

Chaired session on 'Asthma Control', LXIV Annual Conference of Association of Physicians of India (APICON 2009), Noida, 30 January–1 February 2009.

Delivered lecture on 'Epidemiology of bronchial Asthma, Practical demonstrations on Pulmonary Function Tests', XXXIV Workshop on Respiratory Allergy: Diagnosis and Management. Vallabhbai Patel Chest Institute and Institute of Genomics and Integrative Biology, New Delhi. 16-19 February 2009.

Prof. Raj Kumar: Paper presentation 'An Indian Experience of Bronchoscopy in 284 patients', organised by the XL World Congress of Bronchoscopy and 15th World Congress of Bronchoesophyophysiology, Tokyo, Japan, 31 March–2 April 2008.

Lecture on 'Transbronchial Needle Aspiration', National Seminar on Diagnostic Bronchology, organised by VP Chest Institute, 29 June 2008.

Lecture on 'Smoking Cessation', organised by Indian Medical Association-North Delhi Branch, at Hotel Mohan, Ashok Vihar, Delhi, 26 September 2008.

Lecture on 'IgE Mediated Food Allergy in Older Children and Adults with Asthma and Allergic Rhinitis: Rice, Legumes and Citrus Fruit are Major Triggers in India', Food Allergy Training Course organised by European Academy of Allergology and Clinical Immunology at Castelbrando, Treviso, Italy, 13-15 November 2008.

(i) Lecture 'Tobacco Cessation, Our Experiences', (ii) Lecture 'How to Set Up Tobacco Cessation Clinic', (iii) Lecture 'Tobacco Cessation' – at the Workshop on Smoking Cessation organised by the Tobacco Cessation Clinic, VP Chest Institute, Delhi, 15 October 2008.

Lecture 'Interesting Cases With Clinical Correlation Radiology', International Conference on Pathology of Chest Diseases: An Integrated Approach, organised by VP Chest Institute, 6-7 December 2008.

Lecture 'Methods of Smoking Cessation', NAPCON-2008, organised by the Lucknow Medical College, Dept. of Pulmonary Medicine, Chhatrapati Sahuji Maharaj Medical University, Lucknow.

Lecture 'Food Allergy-Indian Scenario', XLII Annual Conference of Allergy, Asthma and Immunology, organised by NHL Municipal Medical College, Ahmedabad, 11-14 December 2008.

Paper presentation 'Food Allergy – Indian Scenario', X Malasian Congress and Exhibition on Allergy and Immunology, One Utama, Petaling Jaya, Selangor, Malaysia, 27-28 February 2009.

Dr. Bala K. Menon: Attended XVIII European Respiratory Society Annual Congress (ERS-2008), Berlin, Germany, 4-8 October 2008.

XIII Congress of the Asian Pacific Society of Respirology, Bangkok, Thailand, 19-22 November 2008.

XXXIV Workshop on Respiratory Allergy: Diagnosis and Management, at VPCI, New Delhi, 16-19 February 2009.

National Symposium on Emerging Trends in Nitric Oxide Research: Impact on health, disease and drug development, at VPCI, Delhi, 12 January 2009.

International Conference on Pathology of Chest Diseases: An Integrated Approach, at VPCI, Delhi, 6-7 December 2008.

X National Conference on Pulmonary Diseases (NAPCON - 2008). CSMMU, Lucknow, 6-9 November 2008.

Influenza viruses in various lung diseases and other chronic diseases, held at VPCI, New Delhi, 22 September 2008.

National Seminar on Diagnostic Bronchology, held at VPCI, Delhi, 29 June 2008.

National Seminar on Yogic Management of Cardio-Respiratory Disorders, held VPCI, Delhi, 5-6 April 2008.

Publications

Vijayan, V.K. 2009. 'Parasitic lung infections'. *Curr Opin Pulm Med.* 15: 274-82.

2008. 'Sarcoidosis'. In: *API Text Book of Medicine* (8 edn), ed. Siddharth N. Shah. Mumbai: The Association of Physicians of India.

Vijayan, V.K. and Sajal De. 2009. 'Pulmonary tuberculosis'. In *Tuberculosis* (Second Edition), eds. S.K. Sharma and A. Mohan, New Delhi: Jaypee Brothers Medical Publishers(P) Ltd., pp. 217-26.

Vijayan V.K. 'Miliary tuberculosis'. In *Manual on Tuberculosis, HIV and Lung Diseases: A Practical Approach*, ed. V.K. Arora. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd., pp. 197-206.

2008. 'Approach to acid base disorders'. In *Renal Disease Prevention and Management: A Physician's Perspective*. ed. O.P. Kalra. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd, pp. 29-37.

- Agarwal, M.K., Vijayan, V.K. and Vermani, M. 2008.** 'Effect of azelastine nasal spray on histamine- and allergen-induced skin wheal response in patients with allergic rhinitis'. *J Asthma*, 45: 548-51.
- Mahajan, B., Vijayan, V.K., Agarwal, M.K. and Bansal, S.K. 2008.** 'Serum interleukin-1beta as a marker for differentiation of asthma and chronic obstructive pulmonary disease'. *Biomarkers*, 13:13-27.
- Khanna, M., Kumar, P., Choudhary, K., Kumar, B. and Vijayan, V.K. 2008.** 'Emerging influenza virus: A global threat'. *J Biosci*, 33: 475-82.
- Varma, B. M. Dwivedi, S.K. Kumar, K., Pathak, R., Rastogi, R., Thukral, S.S., Shariff, M., Vijayan, V.K., Chhabra, S.K. and Chaudhary, R. 2009.** 'Role of Mycoplasma pneumonia infection in acute exacerbations of chronic obstructive pulmonary disease'. *J Med Microbiol*, 58: 322-6.
- Tyagi, N., Gulati, K., Vijayan, V.K. and Ray, A. 2008.** 'A study to monitor adverse drug reactions in patients of chronic obstructive pulmonary disease: Focus on theophylline'. *Indian J Chest Dis Allied Sci*, 50:199-202.
- Kulshrestha, R. and Vijayan, V.K. 2009.** 'Immunohistochemical staining on fine needle aspiration biopsy-cell block specimens in the differential diagnosis of lung cancers'. *Indian J Chest Dis Allied Sci*, 51: 21-5.
- Kukreja, N., Singh, B.P., Arora, N., Gaur, S.N. and Sridhara, S. 2008.** 'Identification of *Epicaccum purpurascens* allergens by two dimensional immunoblotting and mass spectrometry'. *Immunobiology*, 213: 65-73.
- Sharma, V., Singh, B.P., Gaur, S.N. and Arora, N. 2008.** 'Molecular and immunological characterization of cytochrome c: a potential cross-reactive allergen in fungi and grasses'. *Allergy*, 63:189-97.
- Singh, A.K., Singh, B.P., Prasad, G.B.K.S., Gaur, S.N. and Arora, N. 2008.** 'Safety assessment of bacterial choline oxidase protein induced in transgenic crops for tolerance against abiotic stress'. *J Agricultural and Food Chemistry*, 56: 12099-104.
- Kumar, R., Nagar, J.K., Raj, N., Kumar, P., Kushwaha, A.S., Meena, M. and Gaur, S.N. 2008.** 'Impact of domestic air pollution from cooking fuel on respiratory allergies in children in India'. *Asian Pacific J Allergy Immunol.*, 26: 213-22.
- Shankar, J., Singh, B.P., Gaur, S.N. and Arora, N. 2009.** 'Engineered Alt a 13 fragment of *Alternaria alternata* abrogated IgE binding without affecting T-cell stimulation'. *J Clin Immunol.*, 29: 63-70.
- Mehta, A .K., Singh, B.P. and Gaur, S.N. 2008.** 'Diagnosis and management of Wine-induced asthma: A case report'. *Indian J Allergy Asthma Immunol*, 22: 23-6.
2008. Chapter on 'Farmer's Lung disease', *Allergy*. eds. G.R., Bhagat and Raj Bhagat.

Gautam, V.P., Shah, A., Malhotra, A., Dewanwala, A., Taneja, D.K., Gupta, V.K. and Ingle G.K. 2008. 'General practitioners' knowledge of childhood asthma in Delhi, India'. *Int J Tuberc Lung Dis.*, 12: 677-82.

Shah, A., Panjabi, C., Nair, V., Chaudhry, R. and Thukral, S.S. 2008. 'Veillonella as a cause of chronic anaerobic pneumonitis'. *Int J Infect Dis*, 12: e115-17.

Shah, A., Kala, J., Sahay, S. and Panjabi, C. 2008. 'Frequency of familial occurrence in 164 patients with allergic bronchopulmonary aspergillosis'. *Ann Allergy Asthma Immunol*, 101: 363-9

Diwakar, A., Panjabi, C. and Shah, A. 2008. 'Allergic bronchopulmonary aspergillosis, allergic Aspergillus sinusitis and their co-occurrence'. *Open Allergy J*, 1: 52-61.

Shah, A. 2008. 'Global warming, climate change, air pollution and allergic asthma' [Editorial]. *Indian J Chest Dis Allied Sci.*, 50: 259-61.

Chapter in Textbooks

Shah, A. and Gupta, U.A. 2009. 'Smoking and tuberculosis', In Arora, V.K. (ed.) *Manual on tuberculosis, HIV and lung diseases: A practical approach*. Delhi: Jaypee Brothers Medical Publishers, pp. 389-98.

Shah, A. and Panjabi, C. 2008. 'Current treatment in *Aspergillus* – related respiratory disorders'. In: Rodríguez, E.A. and Volsko, T.A. (ed.). *Yearbook of respiratory care clinics and applied technologies*. World Federation of Respiratory Care and Applied Technologies, pp. 795-801.

Chhabra, S.K. 'Bronchial Asthma'. In *API Textbook of Medicine* (VIII edn), Shah, J. Ed.

Research articles

Gupta, S., Kulshreshtha, R. and Chhabra, S.K. 2008. 'Nontraumatic herniation of the liver in an asthmatic'. *J Postgrad Med*, 54: 169-70.

Chhabra, S.K. 2008. 'Using arm span to estimate height: Comparative evaluation of impact of three measures of height on interpretation of spirometry'. *Annal Thorac Med*, 3: 94-9.

2009. 'Regional variations in vital capacity in adult males in India: Comparison of regression equations from four regions and impact on interpretation of spirometric data'. *Indian J Chest Dis Allied Sci*, 51: 7-13.

Nadeem, A., Raj, H.G. and Chhabra, S.K. 2008. 'Effect of vitamin E supplementation of standard treatment on oxidant-antioxidant status in chronic obstructive pulmonary disease'. *Indian J Med Res*, 128: 705-11.

Chhabra, S.K., Sahay, S. and Ramaraju, K. 2009. 'Allergic bronchopulmonary aspergillosis complicating childhood asthma'. *Indian J Pediatr*, 76: 331-2.

Gupta, S.K., Gupta, R.C., Chhabra, S.K., Eskiocak, S., Gupta, A.B. and Gupta, R. 2008. 'Health issues related to N pollution in water and air'. *Current Science*, 94: 1467-77.

Varma, B.M., Dwivedi, S.K., Kumar, K., Pathak, R., Rastogi, R., Thukral, S.S., Shariff, M., Vijayan, V.K., Chhabra, S.K. and Chaudhary, R. 2009. 'Role of Mycoplasma pneumoniae infection in acute exacerbations of chronic obstructive pulmonary disease'. *J Med Microbiol*, 58: 322-6.

Research Papers

Kumar, R., Nagar, J.K., Kushwah, A.S., Raj, N., Meena, M. and Gaur, S.N. 2008. 'Indoor air pollution and respiratory function of children in Ashok Vihar in Delhi: An exposure-response study'. *Asia Pacific Journal of Public Health*, 20(1): 360-48.

Grover, R.S., and Kumar, R. 2008. 'Exhaled carbon monoxide levels: As a marker of clinical severity and control of asthma'. *Journal of Asthma*, 45(8): 677-80.

Kumar, R., Nagar, J.K., Raj, N., Kumar, P., Kushwah, A.S., Meena, M. and Gaur, S.N. 2008. 'Impact of domestic air pollution from cooking fuel on respiratory allergies in children in India'. *Asia Pacific Journal of Allergy and Applied Immunology*, 26: 213-22 .

Singh, A.K., Gaur, S.N. and Kumar R. 2008. 'A randomized controlled trial of intravenous magnesium sulphate as an adjunct to standard therapy in acute severe asthma'. *Iran J Allergy Asthma Immunol*, 7(4): 221-9.

Singh, A.K., Gaur, S.N. and Kumar, R. 2008. 'Clinical predictors associated with PEFr in severe exacerbation of asthma'. *Chest*, 134: 8003 S.

Gaur, S.N. Singh, A.K. and Kumar, R. 2008. 'Evaluating role of inhaled magnesium sulphate as an adjunct to salbutamol and ipratropium in severe acute asthma'. *Chest*, 134: 92001 S.

Haque, N., Kumar, R. and Vijayan, V.K. 2008. 'Effect of glycomic control on outcome of acute exacerbation of COPD'. *Respirology*, 13(5): A120 S.

Caroli, R., Goel, N., Kalra, H., Shah, A., Menon, B., Kumar, R., Chhabra, S.K., and Vijayan V.K. 2008. 'Impact of respiratory intensive care unit (ICU) on survival of patients of interstitial lung diseases (ILD)'. *Respirology*, 13(5): A 113 S.

Kumar, R., Nagar, J.R., Kumar, P., Kushwah, A.S., Meena, M. and Srivastava, J.P. 2008. 'Impact of environmental tobacco smoke and indoor air pollution on respiratory allergy on children in Delhi'. *Respirology*, 13(5): A117 S.

Goel, N., Singh, B.P., Arora, N. and Kumar, R. 2008. 'Effect of smoking on atopic predisposition and sensitization to allergens'. *Indian J Chest Allied Sci*, 50(4): 329-33.

Publications in abstract book:

Kumar, R. 'An Indian experience of bronchoscopy in 284 patients'. Abstract book of The XV World Congress of Bronchology and 15th World Congress on Bronchoesophyiology, Tokyo, Japan, 31 March– 2 April 2008, p. 48.

'Food Allergy – Indian Scenario'. 10th Malasian Congress and Exhibition on Allergy and Immunology, One Utama, Petaling Jaya, Selangor, Malaysia, 27-28 February 2009.

'IgE mediated food allergy in older children and adults with asthma and allergic rhinitis: Rice, legumes and citrus fruits are major triggers in India'. Abstract book of European Academy of Allergology and Clinical Immunology, Castlebrando, Treviso, Italy, 13-15 November 2008.

Menon, B., Aggarwal, B. And Iqbal, A. 2008. 'Mounier Kuhn Syndrome: Report of 8 Cases of Tracheo-bronchomegaly with Associated Complications'. *Southern Medical Journal*. 101(1): 83–7.

Iqbal, A., Aggarwal, B., Menon, B. and Kulshreshtha, R. 2008. 'Talc granulomatosis mimicking Sarcoidosis'. *Singapore Medical Journal*. 49(7): 168-70.

Menon, B., Garg, A., Kalra, H. and Sharma, R. 2008. 'Microfilarial pleural effusion in a case of Tropical pulmonary eosinophilia'. *Indian Journal of Chest Diseases and Allied Sciences*, 50(2): 241-4.

Menon, B., Kaur, C., Kaushik, R. and Pandita, S.K. 2008. 'Evaluation of high sensitivity C reactive protein in patients of bronchial asthma and its correlation with exacerbation rate and pulmonary function'. *European Respiratory Journal*. 32(52): 195s.

Kaushik, R., Menon, B., Vijayan, V.K., and Kulshreshtha, R. 2008. 'Evaluation of the effect of inhaled ciclesonide on inflammatory and allergic markers and pulmonary function in bronchial asthma'. *European Respiratory Journal*, 32(52): 346s

Menon, B., Pandita, S.K., Kulshreshtha, R., and Vijayan, V.K. 2008. 'Evaluation of Paraoxonase-1 activity and its relation to the severity of obstructive lung impairment in patients of COPD'. *Respirology*, 13(5): A121.

Pandita, S., Menon, B., Kulshreshtha, R. and Vijayan, V.K. 2008. 'Study on the levels of Malonyldialdehyde as a marker of oxidative stress in COPD and its association with lung function'. *Respirology*, 13(5): A103.

Caroli, R., Goel, N., Kalra, H., Shah, A., Menon, B., Kumar, R., Chhabra, S.K., and Vijayan, V.K. 2008. 'Impact of Respiratory Intensive Care Unit (ICU) on survival of patients of interstitial lung disease (ILD)'. *Respirology*, 13(5): A113.

Kaushik, R., Menon, B., Kulshreshtha, R. and Vijayan, V.K. 2008. 'Evaluation of the effect of inhaled Ciclesonide on inflammatory and allergic markers in bronchial asthma'. *Respirology*, 13(5): A134.

PHARMACOLOGY (MAMC)

Major Activities

MAMC was the regional winner in the Quiz 'Annual IPS pharmacology Quiz 2008'. Dr. Navin Gupta received the 2nd prize in the final Annual IPS Quiz contest.

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>
Essential drug concept as a code of drug policy impact on drug availability, affordability of quality drug and their rational use.	Dr. Vandana Roy
Prescribe patterns in the private health sector: An observational study.	
Knowledge, attitude and perception towards use of complementary and alternative medicines in sample population of an Indian metropolis.	Dr. Vandana Roy Dr. Pooja Chatley
Fixed dose drug combinations in India: An assessment of rationality and relevance taking common cold and dictary supplement as a case study.	Dr. Vandana Roy
Protein Drug Molecules in Indian market: A survey A study of fixed dose combinations of antimicrobial drugs in the Indian market assessment of rationality.	
Monitoring of adverse Drug Reactions, Department of Pharmacology, MAMC is Peripheral Centre.	Dr. Shalini Chawla
To study the comparative effects of Eloricoxib on antihypertensive efficacy of Atenolol, Ramipril and Telmisartan in hypertensive rats.	Dr. Monica Gupta Dr. Monika Agarwal Dr. Pooja Chatley Dr. Uma Tekur

Seminars/Conferences attended

Dr. Vandana Roy: Special invitee at FICCI – HEAL 2008, Fostering quality health care for all, 7-8 August 2008, at FICCI, Federation House, New Delhi, organised by Federation of Indian Chambers of Commerce and Industry (FICCI), in partner ship with Ministry of Health and Family Welfare, Govt. of India.

Dr. Uma Tekur, Dr. Monika Agarwal, Dr. Bhupiner Singh Kalra, Dr. Monica Gupta, Dr. Pooja Chatley, Dr. Naveen Gupta, Dr. Gaurav Vishnoi, Dr. Somnath Datta, Dr. Dhiraj Saxena, Dr. Rajkumar C, Dr. Pooja Sahni, Dr. Raktim Ghosh, Dr. Nitin Kaushik and Dr Shalini Chawla: Attended XLI Annual Conference of Indian Pharmacological Society and International Conference on Translational Pharmacology 2008.

Seminar on Pharmacovigilance at India International Centre, New Delhi, 21 November 2008.

Symposium and Oration in SMS Medical College, Jaipur, 27-29 December 2008.

Dr. Gaurav Vishnoi and Dr. Pooja Chatley: Attended Workshop on medical education and technology, MAMC, Delhi, 22-24 December 2008.

Dr. Shalini Chawla, Dr. Pooja Chatley, Dr. Dhiraj Saxena, Dr. Somnath Datta, Dr. RajKumar, and Dr. Pooja Sahni: Attended 1st National Symposium-cum-Workshop on Problem-based Teaching/Learning and Formulation of Contemporary Curriculum in UG Pharmacology education, conducted by the Indian Society for Rational Pharmacotherapeutics, University College of Medical Sciences, 27-28 February 2009.

Dr. Nitin Kaushik and Dr. Raktim Ghosh: Attended National Workshop on Clinical Pharmacology, PGI MER Chandigarh, 2-7 March 2009.

Publications

Tayal, V., Kalra, B.S. and Chawla, S. 2008. 'Effect of celecoxib on anticonvulsant activity of carbamazepine against MES induced convulsions in mice'. *Methods find exp clin pharmacol*, 30(10): 727-30.

2008. 'Evaluation of antidepressant activity of Tramadol in mice'. *Indian J Pharmacol*, 40: 129-30 (non indexed).

2008. 'Antidepressant like activity of Tramadol in Mice'. *Indian J Psychiatry*, 50 (1): 51-3 (non indexed).

PHARMACOLOGY (LHMC)

M.D. Degrees awarded

M.D. - 2

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Efficacy and Safety of Quresee. Istisque hepatitis C patients	Dr. H.S. Rehan	Ayush

Honours/Distinctions

Dr. Preeta Kaur Narula, Dr. H.S. Rehan and Dr. K.E.S. Unni: Awarded U.K. Seth Prize and Gold Medal at Annual IPS Conference, 2008.

Seminars/Conferences held

National Symposium-cum-workshop on PBL and Formulation of a need-based contemporary curriculum in undergraduate Pharmacology Education.

Publications

Rehan, H.S., Chopra, D. and Kakkar, A.K. 2008. 'Physician's guide to Pharmacovigilance Terminology and causality assessment'. Doi 10: 1016/j.ejim.

2008. 'Causality assessment of spontaneously reported adverse drug events, Comparison of WMO-UMC criteria and Naranjo probability scale'. *International Journal of Risk and Safety in Medicine*, 19(4): 223-8.

Chopra, D., Rehan, H.S., Mehra, P. and Kakkar, A.K. 2009. 'A randomized double blind, placebo-controlled study comparing the efficacy and safety of paracetamol, serration peptidase, ibuprofen and betamethasone using the dental impaction pain model'. *International Journal of Oral and Maxillofacial Surgery*, Doi 10: 1016/j.ijom.

Kakkar, A.K., Rehan, H.S., Unni, K.E.S., Gupta, N.K., Chopra, D. and Kataria, D. 2009. Comparative efficacy and safety of oxcarbazepine versus divalproex sodium in the treatment of acute mania'. *A pilot study European Psychiatry*, Doi, 10: 1016/J.eurpsy.

Gupta, L.K. and Randhawa, V.S. 2008. 'Ciprofloxacin Breakpoints in Enteric Fever: Time to revise our susceptibility criteria'. *Ind. Journal of Medical Microbiology*, 405.

PHARMACOLOGY (UCMS)

Major Activities

Several faculty and resident staff members significantly contributed to academic and research activities by way of publication of 8 research papers and 2 books, participation in scientific meetings and professional conferences, and presentation of research papers in oral and poster sessions. Several faculty members delivered invited talks and lectures.

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Role of free radicals on functional changes in cardiovascular regulatory mechanisms on mercury exposure in rats (in vivo).	Prof. Pramod Kumari Mediratta	ICMR
Effect of polypharmaceutical herbal drug, lipotab on isoproterenol-induced chronic heart failure in rats.		ICMR

Central and peripheral interaction of opioid and NMDA receptors in neuropathetic inflammatory pain, and their role in antinociception from stimulators of periaqueductal gray in male rats. Prof. Naresh Khanna ICMR

Effect of some herbal drugs on experimental models of ischemia Prof. Naresh Khanna CSIR

Programmes taken up involving inter-institutional collaboration

Role of glutamate receptors in schizophrenia. Collaboration with the Department of Biochemistry, AIIMS, New Delhi, Prof. Pramod Kumari Mediratta (UCMS), Jt. Supervisor: Prof. Subroto Sinha (AIIMS), UGC.

New Additions

Dr. Rachna Gupta - Lecturer
Dr. Sumita Halder - Lecturer
Dr. Neeta Wardhan - Lecturer
Dr. Seema Jain - Lecturer

Honours/Distinctions

Dr. K.K. Sharma: Elected President of the Indian Society for Rational Pharmacotherapeutic (2008-09) and Society of Pharmacovigilance (India) (2008-09).

Nominated for the position of Associated Editor, National Academy of Medical Sciences (2008-12), and reviewer of two international Journals: *European Neuropsychopharmacology and Pharmacology*, *Biochemistry and Behavior*.

Seminars/Conferences held

First National Symposium-cum-Workshop on Problem-based Teaching Learning and Formulation of Need-based Contemporary Curriculum in UG Pharmacology Education, University College of Medical Sciences, Delhi, 27– 28 February 2009.

Seminars/Conferences attended

Dr. S.K. Bhattacharya, Dr. Naresh Khanna, Dr. P. Mahajan, Dr. K.K. Sharma, and Dr. P.K. Mediratta: Chaired a Scientific Session in International Conference on Translational Pharmacology, AIIMS, New Delhi, 18- 20 December 2008.

Dr. K.K. Sharma: Chaired a Scientific session in 1st International Conference on Pharmacovigilance and Clinical Data Management, Residence Hotel, Mumbai, 3-5 November 2008.

Spoke on 'Targets of Cognitive Impairment in Epilepsy' in Symposium on Emerging Targets for Treatment of Epilepsy, 18- 20 December 2008.

Dr. S.K. Bhattacharya, Dr. Naresh Khanna, Dr. P. Mahajan and Dr. P.K. Mediratta: Chaired a Scientific session in 41st Annual Conference of Indian Pharmacological Society and International Conference on Translational Pharmacology, AIIMS, New Delhi, 18-20 December 2008.

Dr. S.K. Bhattacharya, Dr. Naresh Khanna, Dr. P. Mahajan, and Dr. P.K. Mediratta: Attended 1st National Symposium-cum-Workshop on Problem-based Teaching Learning and Formulation of Need-Based Contemporary Curriculum in UG Pharmacology Education, University College of Medical Sciences, Delhi, 27-28 February 2009.

Dr. K.K. Sharma: Delivered a Guest Lecture on 'Application of Nanotechnology: New Horizon in Pharmacotherapy' and Pharmacogenetics: Basis of Gene Therapy in Improving Drug Therapy', Eastern Regional Conference of Indian Pharmacological Society (under the auspices of the Jharkhand Branch of the Indian Pharmacological Society) – Pharmacon-2008, Rajendra Institute of Medical Sciences, Ranchi, 19-20 April 2008.

Delivered a guest lecture on 'Emerging Targets for Pharmacotherapy of Pain: Past, Present and Future of Pain Therapy', Annual Conference of Southern-Regional Branch of Indian Pharmacological Society (SRIPS 2008), Dept. of Pharmacology, Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Pondicherry, 11-13 July 2008.

Delivered an invited symposium talk on 'PBL Methodology: Sequence and Designing of Learning Module', Symposium on Problem-based Learning and Simulated Patient Management, NIMS Medical College, Jaipur, 8 November 2008.

Delivered a Talk on 'Drug Usage in Pregnancy: Pharmacokinetic and Pharmacodynamic Basis of Rational Drug Therapy', CME on Feto-Maternal Medicine as part of the XLVIII Annual Conference of the National Academy of Medical Sciences, Govt. Medical College Jammu, 31 October 2008.

Chaired Sir Shriram Memorial Oration Session on Neurotransmitter Receptors Subtypes Functional Regulations and Diseases: Antidiabetic and Antiepileptic Properties of Herbal Medicine, delivered by Dr. C.S. Paulose, XLVIII Annual Conference of the National Academy of Medical Sciences.

Delivered an Invited Lecture on 'Drug Discovery and Development Process: How to Find First Human Trial Dose?', National Symposium on Drug Discovery, Dept. of Pharmacology, ISF College of Pharmacy, Moga, 14 November 2008.

Delivered an Invited Oration on 'Training and Capacity Building in Pharmacovigilance: A Need of the Hour', IX Annual Conference of the Society of Pharmacovigilance (India) SOPICON – 2008, Calcutta Institute of Pharmaceutical Technology and Allied Health Sciences, Uluberia, Howrah, Kolkata, 9-11 January 2009.

National Conference on Ethical Use of Animals in Research and Education and Dissemination of Norms and Guidelines of CPCSEA, Dr. Marri Chenna Reddy Human Resource Development Institute of Andhra Pradesh, Hyderabad, 29-30 January 2009.

Delivered an Invited Lecture on 'Rational Use of Drugs: How Concept of Essential Medicines and P-Drugs Help in Achieving this Goal', CME Update – 2009 on Rational Drug Therapy and Irrational Drug Combinations, G.R. Medical College, Gwalior, 7 February 2009.

Delivered an invited talk on 'Control and regulation of blood pressure: Physiological basis of preventive and therapeutic intervention', NAMS/PGI National Symposium on Current Concepts and Controversies in Hypertension'. Postgraduate Institute of Medical Education and Research, Chandigarh, 22 February 2009.

1st National Symposium-cum-Workshop on Problem-based Teaching Learning and Formulation of Need-Based Contemporary Curriculum in UG Pharmacology Education, University College of Medical Sciences, Delhi, 27-28 February 2009.

Indian Congress of Pharmacy and Pharmaceutical Sciences – 2009 and Indian Pharmaceutical Association Convention – 2009, Delhi Institute of Pharmaceutical Sciences and Research, New Delhi, 16-17 March 2009.

Publications

Books

Sharma, H.L. and Sharma, K.K. 2008. *Principles of Pharmacology* (Revised Reprint – 2008), Hyderabad: Paras Medical Publisher.

Sharma, H.L., Sharma, K.K. and Gupta, D.K. 2008. *Textbook of Dental Pharmacology*. Hyderabad: Paras Medical Publisher.

Research Articles

Ahmad, Y., Bhatia, M.S., Mediratta, P.K., Sharma, K.K., Negi, H., Chosdol, K. and Sinha S. 2009. 'Association between the ionotropic glutamate receptor kainate 3 (GR1K3) ser 310 ala polymorphism and schizophrenia in the Indian population'. *World J Biol Psychiat*, 23: 1-4.

Bharal, N., Sahaya, K., Jain, S., Mediratta, P.K. and Sharma, K.K. 2008. 'Curcumin has anticonvulsant activity on increasing current electroshock seizures in mice'. *Phytother Res* 22: 1660-4.

Gupta, P., Aggarwal, A., Gupta, P. and Sharma, K.K. 2008. 'Oral salbutamol for symptomatic relief in mild bronchiolitis: a double blind randomized placebo controlled trial'. *Indian Paediatrics*, 45: 547-53.

Khanna, N. 2009. 'Doping in sports – A deadly game'. *Current Med J India*, 14(11): 19-27.

Mediratta, P.K., Tanwar, K., Reeta, K.H., Mathur, R., Banerjee, B.D., Singh, S. and Sharma, K.K. 2008. 'Attenuation of the effect of lindane on immune responses and oxidative stress by *Ocimum sanctum* seed oil (OSSO) in rats'. *Indian J Physiol Pharmacol*, 52: 171-7.

Shahid, M., Tauseef, M., Sharma, K.K. and Fahim, M. 2008. 'Brief femoral artery ischaemia provides protection against myocardial ischaemia-reperfusion injury in rats: the possible mechanisms', *Exp Physiol* ', 93(8):954-68.

Sharma, K.K. 2009. 'Control and regulation of blood pressure: Physiological basis of preventive and therapeutic intervention'. Proceedings of the NAMS/PGI National Symposium on Current Concept and Controversies in Hypertension. Postgraduate Institute of Medical Education and Research, Chandigarh, p. 25-42.

Sharma, K.K., Mediratta, P.K. and Gupta, S. 2008. 'Present and future treatment strategies for dyslipidemia and atherosclerosis'. In: Dwivedi, S., Sharma, K.K., Sharma, S.B., Aggarwal, A., (eds). Proceedings of the 15th International CME on Atherosclerosis, Hypertension and Coronary Artery Disease and 15th Annual Conference of Indian Society of Hypertension, Preventive Cardiology Group, University College of Medical Sciences and G.T.B. Hospital, Delhi, p. 148-62.

Tauseef, M., Shahid, M., Sharma, K.K. and Fahim, M. 2008. 'Antioxidative action of aspirin on endothelial function of the hypercholesterolemic rats'. *Basic Clin Pharmacol Toxicol*, 103: 314-21.

PHARMACOLOGY (VPCI)

Major Activities

The Department of Pharmacology was involved in the following activities during 2008-09:

Clinical and Pre-clinical research in Pharmacology and Toxicology in the area of respiratory diseases and allied areas, as well as translational research in areas of pharmacology and toxicology, incorporating newer techniques/strategies in drug development.

Teaching postgraduate (MD/M.Sc.)/doctoral (Ph.D.) students of VPCI and Delhi University, about different aspects of basic and applied pharmacology and toxicology.

All faculty members contributed significantly in the area of teaching and research in the Department during the period 2008-09. The faculty and students of the Department actively participated in several scientific meetings and organised a National Symposium on 'Emerging Trends in Nitric Oxide Research: Impact on health, disease and drug development' in January 2009. The postgraduate students (MD and Ph.D.), in particular, were encouraged to attend various teaching/training programmes outside the University at nationally reputed institutes involved in teaching and biomedical research, such as AIIMS, PGIMER (Chandigarh), JIPMER

(Pondicherry), etc. In addition to the regular Seminars by the Faculty of the Department and the Institute, the Department also invited several eminent and reputed professionals in the area to interact with and deliver lectures on topics of contemporary interest, from which they gained immensely.

M.D. Degree awarded :

M.D. - 1

Research projects

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Possible protective role of Livina (a polyherbal preparation) against anti-tubercular therapy (ATT)-induced hepatotoxicity.	Prof. A. Ray	Dey's Medical
A clinical study to evaluate the efficacy and safety of UNIM-352 (a polyherbal Unani formulation) in patients of bronchial asthma.		CCRUM
Adverse drug reaction monitoring in patients of bronchial asthma.		VPCI
Studies to explore gender differences in stress responses with special emphasis on NO.		ICMR
Role of endogenous opioids and its interactions with NO during stress responses in rats.		CSIR
Studies on the possible mechanisms of action of UNIM-352 , a polyherbal Unani anti-asthmatic preparation, in experimental animals.		AYUSH
Nitric oxide and stress adaptation in rats.		DST
Role of NO and NO mediated signaling pathways in stress-induced immunological changes in rats.		ICMR

Honours/Distinctions

Prof. A. Ray: Appointed Member of the Advisory Committee, World Congress of Pharmacology, 2010 (Copenhagen).

Invited to review research papers for high impact factor; International journals like *Behavioral Brain Research*, *Psychoneuroimmunology*, *Neuroendocrinology Letters*, *British Journal of Pharmacology* and *Journal of Ethnopharmacology*.

Dr. Kavita Gulati: Elected Executive Member of the Indian Pharmacological Society, in the year 2008.

Appointed Judge to evaluate posters for Prize during the 41st Annual Conference of the Indian Pharmacological Society, AIIMS, New Delhi, December 2008.

Seminars/Conferences held

National Symposium on 'Emerging Trends in Nitric Oxide Research: Impact of Health, Disease and Drug Development', organised by the Department of Pharmacology and VP Chest Institute, 12 January 2009.

Seminars/Conferences attended

Prof. A. Ray: International Conference on Molecular Medicine, DRDE, Gwalior, India, December 2008.

Invited talk and chair of session, International Conference on Translational Pharmacology, New Delhi, December 2008.

International Conference on Herbal Medicines Evaluation of Quality, Efficacy and Safety, Bangalore, India, February 2009.

Plenary lecture and Chair of Session, National Symposium and National Conference on Innovations in Drug Discovery and Research, Punjabi University, Patiala, March 2009.

Attended National Symposium on 'Emerging Trends in Nitric Oxide Research: Impact of Health, Disease and Drug Development', VPCI, Delhi, January 2009.

Prof. A. Ray and Dr. Kavita Gulati: Attended World Congress of Clinical Pharmacology and Therapeutics, Quebec, Canada, July 2008.

Invited talk in International Symposium on Drug Discovery from Natural Products and Traditional Medicines, NIPER, Mohali, November 2008.

Invited talk and chair of session in International Conference on Translational Pharmacology, New Delhi, December 2008.

Attended Workshop on Relevance of Modern Methods of Pharmacological Studies to Traditional Medicine, KG Medical College, Lucknow, October 2008.

Invited talk in National Symposium on Drug Discovery, Moga, Punjab, November 2008.

Attended 41st Annual Conference of the IPS, AIIMS, New Delhi, December 2008.

Dr. Kavita Gulati : Invited talk in National Symposium and National Conference on Innovations in Drug Discovery and Research, Punjabi University, Patiala, March 2009.

National Symposium on 'Emerging Trends in Nitric Oxide Research: Impact of Health, Disease and Drug Development', VPCI, Delhi, January 2009.

Dr. Anita Kotwani: WHO/HAI Advanced Technical Briefing Seminar on Medicine Prices, New Delhi, November 2008.

Emerging Markets, Workshop at Paris, France, November 2008.

Annual Research Meeting of Academy of Health Research, Washington DC, USA, June 2008.

Global Health Forum Conference, Geneva, Switzerland, May 2008.

Publications

Tyagi, N., Gulati, K., Vijayan, V.K. and Ray, A. 2008. 'A study to monitor adverse drug reactions in patients of chronic obstructive pulmonary disease: Focus on theophylline'. *Indian J Chest Dis All Sci.*, 50 : 199-202.

Chakraborti, A., Gulati, K. and Ray, A. 2008. 'Age related changes in stress-induced neurobehavioral effects in rats modulation by antioxidants and nitrenergic agents'. *Behav Brain Res.* 194(1): 86-91.

Gulati, K., Chakraborti, A. and Ray A. 2008. 'Differential role of nitric oxide (NO) in acute and chronic stress induced neurobehavioral modulation and oxidative injury in rats'. *Pharmacol Biochem Behav*, 92: 272-6.

Gulati, K. and Ray, A. 2008. 'Immunotoxicity'. In: *Handbook of Toxicology of Chemical Warfare Agents*, (ed.) R. Gupta, Elsevier Publication, pp. 595-60.

Gulati, K., Chakraborti, A., Banerji, B.D. and Ray, A. 2008. 'Experimental studies on the anti-oxidant role of nitric oxide during stress'. *Indian J Pharmacol*, 40: S130.

Ray, A., Gulati, K., Tyagi, N., Vishnoi, G., Lal, D. and Vijyan, V.K. 2008. 'Pharmacovigilance in respiratory medicine: An experience with theophylline'. *Indian J Pharmacol*, 40: S206-207.

PHYSIOLOGY (LHMC)

M.D. Degrees awarded

M.D. - 2

Seminars/Conferences attended

Dr. Himani Ahluwalia and Dr. Sujata Gautam: Attended National Workshop on Assessment of Methods for Learning Evaluation in Basic Medical Sciences, AIIMS, New Delhi, 22-24 September 2008.

Publications

Gandhi, A., Surange, S.G. and Singh, S.H. 2008. 'Important reason to control air pollution in flour mills'. *Journal of International Medical Sciences Academy*, 21(4): 246.

Sharma, V.K., Das, S., Mondal, S. and Goswami, U. 2008. 'Effect of Sahaj Yoga on autonomic functions in healthy subjects and patients of major depression'. *Biomedicine*, 28(2), 139-41.

Monga, M., Walia, V., Gandhi, A., Chandra, J. and Sharma, S. 2009. 'Effect of iron deficiency anemia on visual evoked potential of growing children'. *Brain and Development*, Doi 10: 1016/j. braindev.

PHYSIOLOGY (MAMC)

Major Activities

Departmental activities are towards teaching of MBBS, MD and Ph.D. students and research work in the field of neurophysiology. Projects on electrophysiology and neurophysiology in vitamin B12 deficiency patients, study of auditory brain stem responses and P300 (cognition) before and after exposure to electromagnetic field generated by mobile phones are ongoing CSIR projects.

Ph.D. Degree awarded

Ph.D. - 1

Honours/Distinctions

Dr. Rashmi Babbar: Member, Board of Editors for South Asia Advisory Board for *Textbook of Medical Physiology* by A.C. Guyton and Hall.

Member, Board of Editors for South Asia Advisory Board, Lippincott Williams Wilkins book.

Seminars/Conferences attended

Dr. Aarti Sood Mahajan, Dr. Daya Ram and Dr. Asha Yadav: Attended LIV National Conference of Association of Physiologist and Pharmacologist of India, Mangalore, 27-30 December 2008.

Dr. Naseer Akhtar: Attended International Workshop on Nerve Disorders, 20-22 February 2009.

Publications

Jain, A.K. 2008. *Textbook for Physiology for Homoeopathy students* (1st edn).

2008. Text book for human physiology (1st edn)

Akhtar, N. and Babbar, R. 2008. 'ACE inhalation, P300 serum nitrite and lipid proxidation in newly diagnosed hypertensive vascular diseases prevention', Vol.6(2).

Khullar, S. and Babbar, R. 2008. 'Auditory brainsteam responses and auditory reaction tune in Indian males and their relationship to prosby acusis'. *Biomedicine*, 28(4): 273-7.

2008. 'A comparative study of effect of transcendal meditation TM and yogasans on autonomic activity'. *J. Postgraduate Medical Education Training and Research*, III(5): 69-73.

2009. 'Auditory brainsteam responses and nerve conduction velocity in essential hypertensive vascular diseases prevention'. 6: 121-5.

Ahmed, R., Nim, S. and Kishan, B.2008. 'Dihydroxychoiecalcieferol causes neuroprotective against 6-Hydroxidopamine induced neuro toxicity in rats'. *Biomedicine*, 28(1): 24-8.

PHYSIOLOGY (UCMS)

Major Activities

Department of Physiology is actively involved in teaching and research. Besides taking undergraduate (MBBS) and postgraduate (MD) Physiology classes, it undertakes teaching of B.Se. (Physiotherapy), B.Se. (Radiography) and MLT classes. The Department is conducting research in the fields of: 1) Cardio-respiratory and lifestyle diseases, 2) Autonomic functions and stress Physiology, 3) Cognitive Neurophysiology and 4) Respiratory and environmental Physiology. The Department of Physiology also caters to the needs of hospitals by performing various investigations like Pulmonary Function Test, Autonomic Tests, and evoked potentials like BERA, VEP, NCV, P300 on patients referred by Departments of ENT, Pediatrics, Ophthalmology, Medicine and Anaesthesiology and Critical Care. A Yoga and Naturopathy centre in the Department of Physiology in collaboration with CCRYN (AYUSH, Ministry of Health, and Government of India) is actively involved in providing yoga therapy to patients of various disease like diabetes, coronary artery diseases, hypertension, neurological problems, obesity and thyroid disorders, as well as diseases related to women. It also provides acupressure therapy to patients.

M.D. Degrees awarded

M.D. - 3

Research Schemes

<i>Title</i>	<i>Sponsoring Orgnisation</i>
Effect of Pranayam on Pulmonary Functions and Autonomic Status in Thyroid Dysfunction Patients	CCRYN
The Effect of Yoga Therapy on Coagulation Profile, Lipid Profiles, Lung Diffusion Capacity and Quality of Life in Patients with Coronary Artery Disease.	CCRYN

New Additions

Dr. Abhinav Dixit	-	Lecturer
Dr. Satendra Singh	-	Lecturer
Dr. Manish Gupta	-	Lecturer
Dr. Asha Yadav	-	Lecturer

Dr. N. Shankar: Attended National Workshop on Assessment Methods for Learning Evaluation in Basic Medical Sciences, AIIMS Delhi, 22-24 September 2008.

LIV National Conference of APPI APPICON-2008, and chaired a scientific session. Also presented work on role of iron therapy and dyslipidemia associated with iron deficiency anaemia in Indian adults, KMC Mangalore, 27-30 December 2008.

Delivered a lecture on 'Problem based learning in the conventional Indian Medical Curriculum-UCMS experience', 1st National Symposium-cum-workshop on Problem based Teaching/Learning and Formulation of a need-based contemporary curriculum in UG Pharmacology Education, Organised by Indian Society for Rational Pharmacotherapeutics and Dept. of Pharmacology, UCMS, 27-28 February 2009.

'Functional Anatomy and Physiology of Equilibrium and Balancing' CME on Vertigo, organised by Department of Neurology, IHBAS, March 2009.

Dr. Savita Singh and Dr. N. Yaney: Attended LIV Annual Conference of APPI APPICON-2008 at KMC Mangalore, 28-30 December 2008.

Dr. N. Yaney: Attended Workshop on Yoga and Heart Rate variability at KMC Mangalore: 27th December 2008.

Dr. A. Yadav: Attended International workshop on Neuro-Muscular Disorders held at G.B. Pant Hospital, New Delhi, 20-22 February 2009.

Publications

Bhargava, E.K. and Khaliq, F. 2008. 'Effect of paternal smoking on the pulmonary functions of adolescent males'. *Ind J Physiol Pharmacol*, 52(4): 413-9.

Khaliq, F, Tandon, O.P. and Goel, N. 2008. 'Effect of hormone replacement therapy on memory in postmenopausal women'. *Delhi Psychiatry Journal*, 11: 221- 6.

Khaliq, F. and Tripathi, P. 2009. 'Acute effects of Formalin on pulmonary functions in gross anatomy laboratory'. *Ind J Physiol Pharmacol*, 53(1): 75-8.

Shankar, N., Verma, U. and Madhu, S.V. Madan, Nand Tandon, OP. 2008. 'Role of iron therapy in dyslipidemia associated with iron deficiency anemia in Indian adults'. *UPP supplement*, 52(5): 128.

Singh, S., Rolinda, R.K., Singh, K.P. and Tandon, O.P. 2008. 'Effect of pranayama and asanas on pulmonary functions in patients with coronary artery disease'. *Biomedicine*, 28(3): 201-4.

Singh, S., Kyizom, T., Singh, K.P., Tandon, O.P. and Madhu, S.V. 2008. 'Influence of pranayamas and yoga asanas on serum insulin, blood glucose and lipid profile in type 2 diabetes'. *Indian Journal of Clinical Biochemistry*, 23(4): 365-8.

Singh, S., Soni, R., Singh, K.P. and Tandon, O.P. 2008. 'Comparison of lung transfer factor (TLCO) before and after two months of yoga therapy in asthma patients'. *Ind J Physiol Pharmacol, supplement*, 52(5): 106.

Singh, S., Swami, G., Singh, K.P. and Gupta, M. 2008. 'Effect of pranayam on diffusion and pulmonary function tests in hypothyroid patients'. A preliminary study'. *UPP suppl* 52(5):108.

Yaney, N., Khaliq, F. and Anjana, Y. 2008. 'Cognitive status of children with attention deficit hyperactivity disorder'. *UPP*, 52(5): 35.

Yaney, N., Dixit, A., Ghosh, T., Gupta, R. and Bhatia, M.S. 2008. 'Habituation of event related potentials: A tool for assessment of cognition in headache patients'. *Delhi Psychiatry Journal*, pp. 48-51.

Yadav, A., Kanojia, S., Babbar, R. and Mala, Y.M. 2008. 'BAEP's in preeclamptic pregnancy'. *UPP*, 52(5): 79-80.

PATHOLOGY (UCMS)

Seminars/Conferences attended

Dr. Usha Rusia: Invited Speaker, 'Burden of anemia in the tropics', IL Annual Conference of ISHTM, Puducherry, 18-21 September 2008.

'Impact of iron deficiency in pregnancy', International Conference on Iron deficiency, Mount Abu, 4-8 December 2008.

Dr. Meera Sikka: Invited Speaker, 'Pathophysiologic and diagnostic considerations of DIC', IL Annual Conference of ISHTM, Puducherry, 18-21 September 2008.

Dr. Geeta Dev and Dr. S. Sharma: Attended XXXLIII Annual Conference of Indian Academy of Cytologists, B.J. Medical College, Ahmedabad, 13-16 November 2008.

Dr. Sarla, Dr. Meera and Dr. U.R. Singh: Attended CME in Cytology and Surgical Pathology, Amrita Institute of Health Sciences, Cochin, 14-15 February 2009.

Dr. S. Sharma: Attended International CME Renal and Transplant Pathology, PGIMER, Chandigarh, 20-22 February 2009.

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Effect of Imatinib therapy in CML with special reference to Myelofirbosis	Dr. Usha Rusia	UGC
Characterisation of immuno-histochemical features of prostatic carcinoma in a North Indian tertiary care hospital.	Dr. S. Agarwal	UGC
Study of immunopathological aspects of cutaneous lichen plants in Indian population and effect of topical steroid therapy.	Dr. S. Sharma	DST
Correlation of proliferative indices and anti-apoptotic marker - BCI - 2 UCMS Expression with the histological grading and staging of urothelial neoplasms of bladder.	Dr. U.R. Singh	Intramural

Publications

Agarwal N, Kumar S, Dass J, Arora, V.K. and Rathi V. 2009. 'Diffuse pancreatic serous cystadenoma associated with neuroendocrine carcinoma: A case report and review of literature'. *JOP*, 10: 55-58.

Aggarwal, S., Arora, V.K., Gupta, S., Singh, N. and Bhatia, A. 2009. 'Koilocytosis: Correlations with high-risk HPV and its comparison on tissue sections and cytology, urothelial carcinoma'. *Diagn Cytopathol.* 37:174-7.

Aggarwal, S. and Wadhwa, N. 2009. 'Swelling on the tongue: a rare presentation of oral cysticercosis'. *Diagn Cytopathol*, 37: 236-7.

Bhatia, V., Garg, P.K., Arora, V.K. and Sharma, R. 2009. 'Isolated pancreatic tuberculosis mimicking intraductal pancreatic mucinous tumor'. *Gastrointest Endosc*, 68:610-11.

Gupta, R., Mathur, S.R., Arora, V.K. and Sharma, S.G. 2008. 'Cytologic features of extragonadal germ cell tumors: a study of 88 cases with aspiration cytology. *Cancer*, 114:504-511.

Madan, N., Rusia, U., Sikka, M. and Sharma, S. 'Overt non-overt megaloblastic anaemia: Incidence and effects underestimated?' In: Proceedings of 49th Annual Conference of ISHTM.

- Mathur, S.R., Aron, M., Gupta, R., Sharma, M.C. and Arora, V.K. 2008.** 'Malignant mesothelioma of tunica vaginalis: a report of 2 cases with preoperative cytologic diagnosis'. *Acta Cytol*, 52: 740-3.
- Mishra, K., Wadhwa, N., Guleria, K. and Agarwal, S. 2008.** 'ER, PR and Ki-67 expression in granulo-matous and chronic non-specific endometritis'. *J Obstet Gynaecol Res.*, 34: 317-18.
- Mohan, A., Sharma, S.K., Arora, V.K., Sharma, S. and Prakash, J. 2008.** 'Concurrent pulmonary Aspergillosis and Nocardiosis in an old tubercular cavity masquerading as malignancy in an immunocompetent individual'. *Respiratory Medicine CME*, 1: 231-4.
- Rusia, U., Makhija, M., Sikka, M., Kotru, M. and Madan, N. 2008.** 'Overview of anaemia in the tropic. In: Proceedings of 49th Annual Conference of ISHTM, 105.
- Sehgal, V.N., Sharma, S. and Oberoi, R. 2009.** 'Evaluation of plexiform neurofibroma in neurofibromatosis type 1 in 18 family members of three generations: Ultrasonography and magnetic resonance imaging a diagnostic supplement'. *Int J Dermatol*, 48: 275-9.
- Sharma, S., Kotru, M. and Gupta, R. 2008.** 'PE Comata highly melanotic multiple perivascular epithelioid cell tumors (PE Coma) of the uterus'. *APMIS*, 116: 1000-3.
- Sharma, S. and Mishra, K. 2008.** 'Limitations in the diagnosis of childhood teratoid lesions on FNAC. Proceedings of 3VIII Annual Conference of Indian Academy of Cytologists, Ahmedabad, p. 30.
- Sharma, S.G., Mathur, S.R., Arora, M., Iyer, V.K., Arora, V.K. and Verma, K. 2008.** 'Chromophobe renal cell carcinoma with calcification: Report of a case with rare finding on aspiration smears'. *Diagn Cytopathol*. 36:47-50.
- Sikka, M., Rusia, U. and Madan, N. 2008.** 'Pathogenesis and lab diagnosis of DIC'. In: Proceedings of 49th Annual Conference of ISHTM, p. 57.
- Singh, U.R., Malhotra, A. and Bhatia, A. 2008.** 'Eosinophils, mast cells, nerves and ganglion cells in appendicitis'. *Indian J Surg*, 70: 231-4.

PSYCHIATRY (MAMC)

M.D. Degrees awarded

M.D. - 2

Honours/Distinctions

Dr. R.C. Jiloha: Received the Dr. Radhakrishnan International Award for his contributions to teaching in Psychiatry, by Freelance Journalists Association of Teachers' Day, 2008.

Seminars/Conferences attended

Dr. R.C. Jiloha: Presented a paper on 'Mental/Testamentary Capacity', V Annual Workshop of Task Force of Indian Psychiatry for Treatment Guidelines, Jaipur, 28-29 August 2008.

'Psychological and Clinical aspects of Religious Beliefs', Workshop organised by the Department of Community Medicine, MAMC, 13 September 2008.

'Ethics in Psychiatry', Haryana Psychiatric Association Annual Conference, HIPA, Gurgaon, 1-2 November 2008.

'Impact of Modernity on Mental Health in South Asia', Annual Conference of Indian Association for Social Psychiatry, AIIMS, New Delhi, 29 November 2008.

Chaired a session in Annual National Conference of Indian Psychiatric Society, Agra, 8-10 January 2009.

Publications

Jiloha, R.C. *Tobacco use health and behaviour*. New Delhi: New Age International.

Research Articles

Aggarwal, A. and Jiloha, R.C. 2008. 'Olanzapine induced tardive dyskinesia'. *Indian Journal of Pharmacology*, 40(5): 237-8.

2008. 'Quetiapine induced myoclonus'. *Indian Journal of Medical Sciences*, 62(10): 422-3.

Jiloha, R.C. 2008. 'Testamentary Capacity/Mental Capacity', in *Forensic Psychiatry by Task Force on Clinical Practice Guidelines for Psychiatrists in India*, Indian Psychiatric Society, pp. 20-34.

2008. 'Tobacco co-morbidity in Schizophrenia', *Delhi Psychiatry Journal*, 11(1): 22-31.

Agarwal, A., Biswas, D. and Sadhu, R. 2008. Treatment of late onset obsessive compulsive disorder with Parkinsonism'. *Journal of Neuropsychiatry Clinical Neurosciences*, 20: 331-6.

Agarwal, A., Biswas, D. and Agrawal, S. 2008. 'A novel therapeutic intervention for postencephalitic mental retardation'. *Journal of Paediatric Neurology*, 6(3): 277-81.

Jiloha, R.C. 2009. 'Impact of modernization of family and mental health in South Asia'. *Delhi Psychiatry Journal*, 12(1).

RADIODIAGNOSIS (MAMC)

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>
Relationship of carotid blood flow and transcranial Doppler in patients with transient ischemic attack/recent ischemic stroke.	Dr. Aparna Ahuja, Dr. Veena Chowdhury, Dr. Rashmi Dixit, Dr. M.M. Mehndiratta, Dr. M.K. Daga. Dr. S.K. Sarin,
Imaging spectrum of diffuse non-alcoholic liver disease by Ultrasonography, Doppler and Magnetic Resonance Imaging.	Dr. Radhika Batra, Dr. Sumedha Pawa, Dr. Veena Chowdhury, Dr. Anjali Prakash.
Imaging pattern of fibrocystic changes of breast on mammography, ultrasonography and Magnetic Resonance Imaging.	Dr. Vibha Mittal, Dr. Anju Garg, Dr. Alpana Manchanda, Dr. A.K. Kakkar, Dr. A.K. Sarda.
To study the role of saline contrast hysterosonography in evaluation of pre-menopausal abnormal uterine bleeding.	Dr. Neha Gupta, Dr. Usha Manaklata, Dr. A. Rathore, Dr. Alpana Manchanda
Evaluation of the effect of antiedema therapy in neurocysticercosis on recurrence of seizures.	Dr. Sameer Rastogi, Dr. B. Talukdar, Dr. Veena Chowdhury, Dr. Archana Thakur, Dr. U.Jhamb

Seminars/Conferences attended

Dr. Veena Chowdhury, Dr. Sumedha Pawa, Dr. Anju Garg, Dr. Alpana Manchanda, Dr. Rashmi Dixit, Dr. Anjali Prakash, Dr. Sapna Singh: Attended 'Delhi Imaging Update', Annual Congress of IRIA-Delhi Chapter, New Delhi. 1 March 2009.

Dr. Anju Garg: Attended 'CUSP 2008' – An Ultrasound Conference at Chennai, 25-28 September 2008.

Dr. Alpana Manchanda: Attended the 'Delhi Ultrasound Update', Annual Conference of IFUMB-Delhi Chapter, New Delhi, 7 December 2008.

Dr. Sapna Singh: Attended the AFSUMB Workshop at USI Premises, New Delhi, 22-23 November 2008.

Dr. C.K., Vivek, Dr. S. Pawa and Dr. V. Chowdhury: Presented a paper 'Role of Conventional Barium Studies and MRI in the evaluation of small intestinal lesions', LXI National Conference of IRIA Bangalore, 2008.

Dr. Annu Singhal, Dr. Anju Garg, Dr. Veena Chowdhury, Dr. G.S. Pradhan: Presented a paper 'Comparison of Balthazar's CTSI and modified CTSI in evaluation of acute pancreatitis', LXI National Conference of IRIA Bangalore, 2008.

Dr. Gyanchand, Dr. Veena Chowdhury, Dr. Anju Garg, Dr. A.K. Kakkar, Dr. R. Gondal: Presented a paper 'Evaluation of breast masses by mammography and MRI with clinicopathological correlation', LXI National Conference of IRIA Bangalore, 2008.

Dr. Anju Garg: Delivered Guest lecture 'Intussusception –Diagnosis and Interventions' in the LXI National Conference of IRIA at Bangalore, 2008.

Dr. Alpana Manchanda: Participated in a Panel discussion on 'Lower GI bleed' in the XXV National Continuing Medical Education Programme in Surgery at Maulana Azad Medical College, New Delhi (Surgery Update), 22-27 September 2008.

Participated as faculty and delivered a lecture on 'Chest Imaging' in the post-graduate assembly conducted by the Department of Anaesthesiology, MAMC New Delhi, 20-25 October 2008.

Conducted film reading session in the 1st AIIMS–MAMC–PGI Images Course (3rd session) on 'Gastro intestinal and Hepatobiliary Imaging', 23-24 October 2008.

Dr. Rashmi Dixit: Delivered a lecture titled 'Imaging evaluation of Portal Hypertension' in the 1st AIIMS-MAMC-PGI Imaging course on Gastrointestinal and Hepatobiliary Imaging in AIIMS, 23-24 October 2008.

Dr. Anjali Prakash: Delivered a lecture on 'Radiology in HIV' in the Fellowship in HIV Medicine, 25 April 2008.

Delivered a lecture on 'Imaging of Temporal Bone' - Hepatobiliary Imaging in the NBE-ENT Workshop, 28 April 2008.

Delivered a lecture titled 'Abdominal Tuberculosis' in the 1st AIIMS - MAMC-PGI Imaging course on Gastrointestinal and Hepatobiliary Imaging in AIIMS, 23-24 October 2008.

Dr. Sapna Singh: Delivered a lecture on 'Radiation in Associate Fellow of Industrial Health Course' held at MAMC, 9 May 2008.

Delivered a lecture on 'Benign Focal Liver Lesions', 1st AIIMS-MAMC-PGI Imaging course on Gastrointestinal and Hepatobiliary Imaging in AIIMS, 23-24 October 2008.

Publications

Singh, S., Chowdhury, V. and Gyanchand. 2008. 'Tuberous Sclerosis: MRI findings'. *Internet Journal of Radiology*, 9(1).

- Singh, S., Chowdhury, V., Agarwal, A. and Prakash, A. 2008.** 'Infantile hemangioendothelioma of liver : A case report'. *Journal Indian Medical Association*, 106: 120-1.
- Singh, S., Chowdhury, V. and Gyanchand. 2008.** 'Uterine AVM'. *Internet Journal of Radiology*, 9(1).
- 'Median nerve hamartoma : Findings on magnetic resonance imaging *Ann Indian Acad Neurol*, 11: 259-60.
- Gupta, A.K., Chowdhury, V. and Khandelwal, N.,** Diagnostic Radiology - Gastrointestinal and Hepatobiliary imaging. (3rd edn) New Delhi : Jaypee Brothers Medical Publishers (P) Ltd.
- Chowdhury, V. 2008.** 'Pancreatic Tumours', in *Diagnostic Radiology- Gastrointestinal and Hepatobiliary Imaging*, New Delhi : Jaypee Brothers Medical Publilshers (P) Ltd.
- Pawa, S. 2008.** 'Imaging of Oesophagus', in *Diagnostic Radiology- Gastrointestinal and Hepatobiliary Imaging*. New Delhi : Jaypee Brothers Medical Publilshers (P) Ltd.
- Garg, A.** Contributed a chapter, 'Imaging of Appendix' in *Diagnostic Radiology Gastrointestinal and Hepatobiliary Imaging*. New Delhi : Jaypee Brothers Medical Publilshers (P) Ltd.
- Pradhan, G.S. 2008.** 'Imaging of Benign lesions of Stomach and Duodenum' in *Diagnostic Radiology - Gastrointestinal and Hepatobiliary Imaging. (3rd edn)*. New Delhi : Jaypee Brothers Medical Publishers (P) Ltd.
- Dixit, R. 2008.** 'Imaging evaluation of portal hypertension AIIMS-MAMC-PGI ' in *Diagnostic Radiology – Gastrointestinal and Hepatobiliary Imaging. (3rd edn)*, New Delhi : Jaypee Brothers, pp. 187-204.
- Prakash Anjali, 2008.** : 'Abdominal Tuberculosis' in *Diagnostic Radiology- Gastrointestinal and Hepatobiliary Imaging (3rd edn)*. New Delhi : Jaypee Brothers Medical Publishers (P) Ltd.
- Singh, S. and Chowdhury, V. 2008.** 'Benign Focal Liver Lesions' in *Diagnostic Radiology- Gastrointestinal and Hepatobiliary Imaging (3rd edn)*.New Delhi: Jaypee Brothers Medical Publishers (P) Ltd.

SURGERY (MAMC)

Publications

- Lal, P. and Saxena, K.N. 2008.** 'Laparoscopic total extraperitoneal (TEP) inguinal hernia under epidural anaesthesia'. A detailed evaluation: *Surg Endosc*, 22: 257.
- Vindal, A., Lal, P., Chander, J. and Ramteke, V.K. 2008.** 'Rectal perforation after injection sclerotherapy for hemorrhoids, Case report'. *Ind Gast*, 27: 84-85.

Jain, S.K., Jayant, M. and Norbu, C. 2008. 'The role of antibiotic prophylaxis in mesh repair of primary inguinal hernias using prolene hernia system: A randomized prospective double blind control trial'. *Tropical Doctor*, 38: 80-2.

Jain, S.K., Gupta, A. and Kaza, R.C.M. 2008. 'Pleurobiliary fistula secondary to choledocholithiasis, a rare entity'. *Asian J Surg*, 31: 29-31.

'Use Ultrasonic Scalpel in subfascial Endoscopic Perforator Vein Surgery'. A Novel Approach: *Journal of Laparoendoscopic and Surgical Techniques*, 18: 249-52.

Jain, S.K., Kaza, R.C.M., Pahwa, M. and Bansal, S. 2008. 'Role of cyanoacrylate in the management of low fistula in ano: A prospective study'. *Int J Colorectal Dis*, 23(4): 355-8.

Jain, S.K., Kaza, R.C.M. and Vindal, A. 2008. 'Pseudocyst of the spleen caused by tuberculosis : A rare entity'. *BMJ Case Reports*, Doi: 10. 1136/bcr.06.0102.

Jain, S.K., Basra, B.K., Nanda, G. Srivathsan, R. and Kaza, R.C.M. 2008. 'Rare case of internal pancreatic fistula in a young adult presenting with massive bilateral pleural effusion'. *BMJ Case Reports*, Doi: 10. 1136/bcr, 06: 0341.

Lal, P., Vindal, A. and Hadke, N.S. 2009. 'Controlled tube duodenostomy in the management of giant duodenal ulcer perforation: A new technique for a surgically challenging condition'. *Am J Surg*, 198(3): 319-23.

Jain, S.K. and Vindal, A. 2009. 'Gelatin-resorcin-gormalin tissue glue as a novel technique for fixing prosthetic mesh in open hernia repair'. 13(3): 299-304.

Kumar, S. and Soker, D. 2008. Basic Surgical Skills and Techniques, (1st edn) New Delhi: Jaypee Brothers.

Lal, P. 2008. *Handbook on Critical care and Fluid Management*, (1st edn). New Delhi : Pee Pee Brothers.

Datta, P., Lal, P. and Bakshi, S.D. 2008. 'Surgery in the Tropics, in *Bailey and Love's Short Practice of surgery* (25th edn.), Normal Williams, Chistopher Bulstrode and Ronan, O'Connell (eds). Hodder Arnold, pp. 49-70.

LADY HARDINGE MEDICAL COLLEGE

Honours/Distinctions

Dr. M. Choudhury: Awarded ICMR Senior International Fellowship to Brigham's and Women's Hospital, Harvard Medical School, Boston, USA.

Dr. Anupam Prakash: Awarded the Smt. Pawan Kumari Jain Oration award by the Association of Physicians of India, Delhi State Chapter.

Dr. Vibhu Mendiratta and Dr. Vikram Datta: Awarded Commonwealth Fellowship and WHO Fellowship, respectively.

Dr. Alok Sud: Awarded Fellow of the International College of Surgeons.

Dr. Deborshi Sharma: Presented the Best Young Surgeon of the Year by the Association of Surgeons of India.

Dr. Virender Singh: Awarded President's award for achievements in Paediatric Respiratory Sciences at Nice, France.

Seminars/Conferences attended

Dr. T.S. Anand: Attended International Live Surgery Workshop, Indian Journal of Otology, New Delhi, 23-28 September 2008.

Dr. S. Aneja, Dr. B. Rath, Dr. Jagdish Chandra, Dr. Arvind Saili, Dr. Virendra Kumar, Dr. Anju Seth, Dr. Praveen Kumar, Dr. Ajay Kumar, Dr. Virendra Singh, Dr. Srikanta Basu, Dr. Sushma Nangia, Dr. Sandeep Kumar and Dr. Harish, K. Pemde: Attended National Workshop on integrated Management of Newborn and Childhood Illnesses for Physicians, 25 August–4 September 2008.

Dr. Anurag, Dr. Tarun Yadav, Dr. Indiver Kalra, Dr. Minakshi and Dr. Radhika: Attended International Workshop on Genetic Counselling and Medical Ethics, March 2009.

Dr. Dinesh Kataria, Dr. Anurag, Dr. Tarun Yadav and Dr. Indiver Kalra: Attended XVI National Conference of Social Psychiatry, November 2008.

Dr. Dinesh Kataria, Dr. Anurag and Dr. Tarun Yadav: Attended Annual National Conference of Indian Psychiatric Society.

Dr. Dinesh Kataria: Attended VII National Conference of Haryana Psychiatric Society, Gurgaon, November 2008.

Attended XXXIII Annual Conference of Indian Psychiatric Society, North Zone, Chandigarh, 18-19 October 2008.

Attended XIV National Conference of Alzheimer's Disease and Related Disorders Society of India, NIMHANS, Bangalore.

Dr. Homay Vajifdar: Chairperson, Annual Conference, ISA, Jodhpur, December 2008.

Dr. Shipra Paul: Attended XII Asian Oceanian Congress of Neurology, India Habitat Centre, New Delhi 23-26 October 2008.

Dr. Anju Jain: Attended 1st International Conference of South East Asia Region and LXIII National Conference on Tuberculosis and Chest Diseases, 8-10 September 2008.

Dr. A.K. Sharma: Guest Speaker, National Seminar of Food Safety and Quality of Kitchens Understanding Food Allergies, 5-6 August 2008.

Dr. Atul Murari: Attended National Conference on Litigation and Violence in Medical Practice, 20 August 2008.

Dr. V.S. Randhawa: Attended XXXI National Congress of IAMM, 23-25 October 2008.

Dr. A. Lakshmy: Presented XVII Lancelotti International Symposium on Streptococci and Streptococcal Disease Porto, Greece, 22-25 June 2008.

Presented paper at Keystone Symposium, Colorado, USA, 8 April 2008.

Dr. S.S. Trivedi: Chairperson, IMS International Congress, New Delhi, 18-20 April 2008.

Chairperson, III National Conference on Science of Research, Gurgaon, 25-27 July 2008.

Attended IX World Congress and XVII National Conference, Jaipur, 13 September 2008.

Panelist on 'Genital Tuberculosis Diagnosis and Management Dilemma', XXX Annual Conference of AOGD, 8-9 November 2008.

Dr. Usha Gupta: Chaired session on 'Cervical cancer : Present and future', XXX Annual Conference of AOGD, 8-9 November 2008.

Dr. Abha Singh: Chairperson in Scientific session on 'Experts speak'; speaker to evaluate the role of L-arginine on NO levels in IUGR by colour doppler; and co-author of paper on 'Colposcopic and histopathological findings in women with Abnormal Paps Smear', XXX Annual Conference of AOGD, 8-9 November 2008.

Dr. Manju Puri: Panelist 'Art and Science of Writing Thesis', III National Conference on Science of Research, Gurgaon, 25-27 July 2008.

Panelist in panel discussion on 'Thromboprophylaxis in Obstetrics and Gynaecology', XXX Annual Conference of AOGD, 8-9 November 2008.

Dr. Reena: Judge for slogan competition and presented a paper on 'Study of Maternal Mortality in a Tertiary Hospital of Delhi', XXX Annual Conference of AOGD, 8-9 November 2008.

Dr. J.K. Sahni: Attended XVII Annual Conference of Indian Society of Otolaryngology, ISOCON 2008, 6-8 November 2008.

Dr. Sunil Kumar: Organising Secretary, XVII Annual Conference of Indian Society of Otolaryngology, ISOCON 2008, 16-18 November 2008.

Dr. S. Aneja: Presented a paper on 'Childhood Epilepsy', International Neurology Seminar in Dhaka, Bangladesh, 28-29 November 2008.

Dr. Jagdish Chandra: Panelist in panel discussion on 'Hematological issues in Paediatric Intensive Care Unit', Annual Conference of Paediatric Hematology Oncology Chapter of IAP, 8-9 November 2008.

Dr. Anju Seth: Delivered a guest lecture on 'Growth Faltering', VII National Conference of IAP Chapter on Growth Development and Behavioral Paediatrics, 19-21 September 2008.

Presented papers on 'Rosai Dorfman Disease : A case with lymphadenopathy and liver involvement', and 'Agnogenic myelofibrosis with myeloid metaplasia presenting as refractory ascites', Annual Conference of Paediatric Hematology Oncology Chapter of IAP, 9-11 November 2008.

Delivered a guest lecture on 'Use and Interpretation of Growth Charts', Symposium on Growth Hormone Deficiency, 22 November 2008.

Dr. Virender Singh: Invited as National expert to lead a panel on investigations in pulmonology and childhood TB, II National Paediatric Satellite Conference of IAP, 17 August 2008.

Delivered a talk on 'Managing childhood TB', South Asian Regional Conference of International Union against TB and Lung Diseases, 9 September 2008.

Delivered a talk on 'Childhood TB and DOTS: The way ahead and the challenges', Annual State Conference of IAP Karnataka State, 1 November 2008.

Delivered a talk on 'RNTCP and TB challenges' and participated in clinical case discussion, Annual National Conference of IAP Respiratory Chapter, 16-17 November 2008.

Delivered a talk on 'All that wheezes is not asthma and what is new in TB', Annual State Conference of IAP, 6-7 December 2008.

Dr. Bhawna: Attended WHO Symposium on DOTS therapy for TB, KSCH, November 2008.

Attended III National Workshop for Medical Teachers on Research Methodology, AIIMS, 29 November–2 December 2008.

Dr. S. Roy Choudhury: Attended International Workshop on Advanced Paediatric Laparoscopy Endoscopic Surgeons Paediatric of India, 22-23 August 2008.

Chairperson, International Symposium on Paediatric Urology, AIIMS, 14 December 2008.

Presented papers on 'Four cases of Hepatoblastoma Successful liver resection after preoperative chemotherapy' and 'Esophageal lengthening techniques in the management of long gap esophageal atresia', XXXIV Annual Conference of IAPS, Guwahati, 5-7 December 2008.

Dr. M. Jain: Poster presented on 'HER-2, NEU expression on cell block from breast carcinoma: 'The Indian Scenario'', XXVII International Conference of International Academy of Pathologists, Greece, October 2008.

Chairperson, International Conference on Pathology of Chest Diseases, 6-7 December 2008.

Delivered Guest lecture on 'Colloid Goiter', XXXVIII Annual Conference of Indian Academy of Cytologists, 13-16 November 2008.

Dr. M. Choudhry: Chairperson and Speaker on CME on Thyroid Lesions, XVII Annual Conference of Indian Society of Otolaryngology, ISOCON 2008, 6-8, November 2008.

Chairperson, International Conference on Pathology of Chest Diseases, 6-7 December 2008.

Dr. Himani Ahluwalia and Dr. Sujata Gautam: Attended National Workshop on Assessment of Methods for Learning Evaluation of Basic Medical Sciences, AIIMS, 22-24 September 2008.

Dr. Ajay Kumar: Chairperson in Scientific session, XXV Surgery Update and National CME, 22-27 September 2008.

Attended International Conference TRAUMA 2008, Level I Academic Meeting for the Advancement of Trauma Care and Research in India, 29-30 November 2008.

Attended Annual Conference of Delhi State Chapter, ASI, November 2008.

Dr. Shaji Thomas: Speaker on 'Vitellointestinal Duct', Scientific session, XXV Surgery Update and National CME, 22-27 September 2008.

Attended International Conference TRAUMA 2008, Level I Academic Meeting for the Advancement of Trauma Care and Research in India, 29-30 November 2008.

Dr. Romesh Lal: Attended Scientific session, XXV Surgery Update and National CME, 22-27 September 2008.

Dr. S.K. Tudu and Dr. Manoj Andley: Speaker on 'Carcinoid', Scientific session, XXV Surgery Update and National CME, 22-27 September 2008.

Dr. M.P. Arora: Speaker on 'Standard Protocol in Laproscopic surgery', Annual Conference of Delhi State Chapter, ASI, November 2008.

Dr. Romesh Lal, Dr. S.K. Tudu, Dr. Manoj Andley, Dr. Ashok Kumar and Dr. Deborshi Sharma: Attended Annual Conference of Delhi State Chapter, ASI, November 2008.

Dr. Manoj Andley and Dr. Ashok Kumar: Attended Annual Conference of Indian Association of Surgical Gastroenterology, Chennai, 26-28 September 2008.

Dr. Deborshi Sharma: Speaker, 'Laparoscopic ventral hernia repair: An initial report of first fifty cases' and co-author 'Laparoscopic Cholecystectomy as a day care procedure: A study in scenario of a public hospital in India', III International Congress AMASICON 2008, 3-6 July 2008.

Publications

Singh, R. Gupta, R., Jain, A. and Vajifdar, H. 2008. 'Anaesthetic management of Paediatric retropharyngeal abscesses'. *J Anaesth and Clin Pharma*.

Tolia, G., Kumar, A., Jain, A. and Pandey, M. 2008. 'Low dose Intrathecal Bupivacaine with Fentanyl for caesarean delivery'. *J Anaesth and Clin Pharma*.

- Rajinder, Dhamija, K., Arora, S., Gaba, P., Jais, M., Kaintura, M.K. and Bhattacharjee, J. 2008.** 'Study of Genetic, Metabolic and Inflammatory Risk Factors in Patients of Acute Ischemic stroke'. *Indian Journal of Clinical Biochemistry*, 23(2): 136-43.
- Arora, S. and Bhattacharjee, J. 2008.** 'Modulation of Immune Responses in Strees by Yoga: A review'. *International Journal of Yoga*, 1(2): 35-45.
- Salhotra, S., Arorak, S., Anubhuti, Trivedi, S.S. and Bhattacharjee, J. 2009.** 'Influence of menopause on biochemical markers of endothelial dysfunction: A case control pilot study in North Indian population in Maturitus'.
- Mahajan, D., Jain, A., Singh, V., Jain, A.K., Rao, G.R. and Nath, G. 2008.** 'Detection of Helicobacter Pylori using nested PCR in Gastric biopsy sample'. *Indian J of Clinical Biochemistry*, 23(3): 243-45.
- Tripathy, R., Rath, G., Jain, A. and Salhan, S. 2008.** 'Soluble and membr vascular endothelium GF receptor in pregnancy complicated by preeclamps'. *Annals of Anatomy*, 190: 477-89.
- Garg, T., Chander, R., Gupta, T., Mendirata, V. and Jain, M. 2008.** 'Erdheim Chester disease with cutaneous features in an Indian patient'. *Skin Med. J of Dermatology*, 7(2): 103-6.
- Mendiratta, V., Harjai, B. and Gupta, T. 2008.** 'Hypertrichosis Lanuginosa Congenita'. *Paediatric Dermatology*, 25(4): 483-4.
- Chander, R., Jaykar, K., Verghese, B., Garg, T., Seth, A. and Nangia, A.** 'Pulmonary Disease with Striking Nail Involment in a Child'. *Paediatric Dermatol*, 25(6): 633-43.
- Anuradha, S., Agarwal, S.K., Prakash, A., Singh, N.P. and Kaur, R. 2008.** 'Candida Sake: A rare cause of fungal endocarditis'. *Med J Malaysia*, 63(1): 75-6.
- Saxena, P., Misro, M.M., Roy, S., Chopra, K., Sinha, D., Nandan, D. and Trivedi, S.S. 2008.** 'Possible role of male factors in recurrent pregnancy loss'. *Indian J Physiology Pharmacol*, 53(3): 274-82.
- Arora, N., Gupta, P., Raghunandan, C. and Jhunwala, V. 2008.** 'Prevention tuberculosis in post menopausal women micicking ovarian cancer: A clinical dilemma'. *JIMA*, 106: 602-3.
- Saxena, P., Salhan, S., Nivedita, S. and Nandan, D. 2008.** 'A randomized comparison between sublingual, oral and vaginal route of misoprostol preabortion cervical ripening in first-trimester pregnancy termination'. *Australia, New Zealand Journal of Obstet. Gynecol*, 48: 101-6.
- Saxena, P., Misro, M.M., Chopra, C., Roy, K. and Nandan, S. 2008.** 'Sperm function test in Recurrent Pregnancy Loss'. *Fertility and sterility*, 90(5): 1854-8.

- Nongkynrih, B., Acharya, A., Ramakrishnan, L. Ritvik, Anand, K. and Shah, B. 2008.** 'Profile of Bio-chemical Risk factor for non communicable disease in Urban, Rural and Periurban Haryana, India'. *Journal of Association of Physician of India*, 56: 165-70.
- Karmarkar, S.A., Aneja, S., Khare, S., Saini, A., Seth, A. and Chauhan, B.K. 2008.** 'A study of acute febrile encephalopathy with special reference to viral etiology'. *India J Pediatr*, 75(8): 801-5.
- Makhija, S., Aneja, S., Tripathi, R.P. and Narayan, S. 2008.** 'Etiological profile of stroke and its relation with prothrombotic states'. *Indian J Pediatr*, 75(6): 579-84.
- Chandra, J. Naithani, R., Ravi, R., Singh, V., Narayan, S., Sharma, S., Pemde, H. and Dutta, A.K. 2008.** 'Antithymocyte globulin and cyclosporin in children with acquired aplastic anemia'. *Indian J Pediatr*, 75: 229-33.
- Yadav, D. and Chandra, J. 2008.** 'Petechial rash in neonates management algorithm'. *J Neonatology*, 22: 19-27.
- Chandra, J., Yadav, D., Singh, V., Sharma, S. and Pemde, H. 2008.** 'Thrombocytosis in Hodgkin Lymphoma'. *Indian J Pediatr*, 75, SS3p 61, abstract.
- 'Short course high dose Dexamethasone, therapy for chronic Idiopathic thrombocytopenic purpura'. *Indian J Pediatr*, 75, SS3p 61, abstract.
- Seth, A. and Kirtisudha 2008.** 'Growth faltering: The child and the newborn'. *Quarterly Scientific Journal of IAP, West Bengal Branch*, 12(1): 13-8.
- Tripathi, S., Kaushik, V. and Singh, V. 2008.** 'Peripheral IVs factors affecting complication and patency a randomized controlled trial'. *J Infuse Nurs*, 31(3): 182-8.
- Singh, V. 2008.** 'What is new in the management of childhood asthma?' *Indian J Pediatr*, 75(8): 845-53.
- Sahni, J.K. 2008.** 'Foreign Bodies of Aerodigestive Tract in Children'. *Journal of Postgraduate Medical Education, Research and Training*, 3: 1-2.
- Anand, T.S. 2008.** 'Primary b-cell lymphoma of paransal cyanosis: A diagnostic surprise'. *Indian Journal of Otolaryngol and Head Neck Surgery*, 60: 256-8.
- Chakravarti, A., Pal, S. and Sahni, J.K. 2008.** 'Primary Tuberculosis of tonsil and posterior pharyngeal wall'. *Ind J of Tuberc*, 55(1): 48-50.
- Chakravarti, A, Dhawan, R., Shashidhar, T.B., Naglot, S. and Sahni, J.K. 2008.** 'Lipoma of the deep lobe of parotid gland: A case report and review of literature'. *Ind J of Otolaryngol and Head Neck Surg*, 60: 194-6.
- Chakravarti, A, Dhawan, R., Shashidhar, T.B., Naglot, S., Sahni, J.K. and Jain, S. 2008.** 'Malignant Melanoma of the nasal cavity'. *Asian J of Ear Nose and Throat*, 9-11.

- Roy, C.S., Chadha, R., Bagga, R., Bagga, D., Puri, A. and Debnath, P.R. 2008.** 'Spectrum of Ectopic Ureters in Children'. *Pediatric Surgery International*, 24(7): 819-23.
- Roy, C.S. and Nangia, S. 2008.** 'Surgical conditions masquerading as respiratory distress', Review Article, *Journal of Neonatology*, 21: 243-6.
- Chadha, R., Aggarwal, K. and Roy, C.S. and Debnath, P.R. 2008.** 'The Colovesical Fistula in Congenital Pouch Colon: A Histological study'. *Journal of Pediatric Surgery*, 43: 2048-52.
- Roy, C.S., Debnath, P.R., Kushwaha, S.A. and Chadha, R. 2008.** 'A simple combined antegrade and retrograde dilation technique', *J Ind Assoc. Pediatric Surgery*, 13: 120-1.
- Jain, M. and Malhan, P. 2008.** 'Cytology of Soft tissue tumors, Pleomorphic Carcoma'. *Journal of Cytology*, 25: 93-6.
- Jain, M., Singh, S., Thomas, S. and Jain, D. 2008.** 'AFB positive isolated Tubercular Splenic Abscess in HIV negative patient Indian'. *J Pathol Microbiol*, 51: 74.
- Agarwal, C. and Jain, M. 2009.** 'Utility of fibronectin in immunocytochemical differentiation of reactive mesothelial cells from metastatic malignant cells in serous effusions'. *Indian J. Pathol. Microbiol.* 52: 25-8.
- Choudhury, M., Langer, S., Aggarwal, M., Agarwal, C. 2008.** 'Microfilaria in thyroid gland nodule'. *Indian J. Pathol. Microbiol.* 51: 94-5.
- Choudhury, M., Pujani, M., Singh, S.K., Biswas, R.** 'Oxyphilic clear cell carcinoma ovary'. *J. Postgraduate Med*, 54: 310-11.
- Sharma, S., Pujani, M., Malhan, P., Jain and Aparna. 2008.** 'Clinicohematologic Profile of Lysosomal storage disorders – A report of three cases'. *IJHandTM*, 24(2): 72-4.
- Sharma, S., Malhan, P., Pujani, M., Rath, B. 2008.** 'Acute erythroid toxicity in visceral leishmaniasis: A rare complication of antimonial therapy'. *IJPM*, 51(4): 546-47.
- Agarwal, K., Singh, S., Pathania, O.P. 2008.** 'Primary renal fibrosarcoma: A rare case report and review of literature'. *IJPM*, 51(3): 409-10.
- Bhargava, V., Jain, M., Agarwal, K., Thomas, S., Singh, S. 2008.** 'Critical appraisal of cytological nuclear grading in carcinoma of the breast and its correlation with ER/PR expression'. *Journal of Cytology*, 25(2): 36-9.
- Ghuliani, D., Agarwal, S., Thomas, S., Pathania, O.P.** 'Giant cavernous haemangioma of the spleen presenting a massive splenomegaly and treated by paralist splenectomy'. *Singapore Med. J.*, 49(12): 356-8.
- Rehan, H.S., Chopra, D., Kakkar, A.K. 2008.** 'Physician's guide to Pharm acovigilance: Terminology and causality assessment'. Doi 10.1016/j.ejim.

- Anand, R., Deria, K., Sharma, P., Narula, M.K., Garte, R. 2008.** 'Extraconal haemangioma of the orbit'. *IJRI*, 18(4): 310-12.
- Mendiratta, V., Anand, R., Chander, R., Harjai, B. and Gupta, T. 2008.** 'Multiple neonatal haemangiomatosis with liver haemangioma and anaemia'. *Australasian Journal of Dermatology*, 49: 42-5.
- Aggrawal, N., Kataria, D. and Gupta, N. 2008.** 'Topiramate as add-on treatment for weight control in Bipolar Disorders'. *Bipolar Disorders*, Suppl 10(1) : 38.
- Kataria, D. and Gaurav, K. 2008.** 'Emergency Psychiatry: An Overview'. Souvenir, 7th ANCHPS, pp.30-34.
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UNIVERSITY COLLEGE OF MEDICAL SCIENCES

Major Activities

The major achievement during the year 2008-09 is the networking of all than 200 computers earlier provided to all faculty members and to all administrative sections, including a facility started in the Library providing Internet access to all faculty members and sectional incharges have been provided official e-mail addresses. Steps are being taken to provide access to

more than 1000 online medical journals on all computers and to use intranet for intra-college communication. Other achievements, Department wise: are as follows.

The Department of Anaesthesiology organised the annual national-level teaching programme 'EORCAPS' in September 2009. This nine-day "Examination Oriented Refresher Course for Anaesthesia Postgraduate Students" is a well-recognised, tremendously successful programme, and over 200 students enroll every year. In addition, the faculty of the Department achieved several laurels at national and international levels for research-related activities. The KOP's Award for best paper presentation in the National Annual Conference of the Indian Society of Anaesthesiologists held in December 2008 at Jodhpur was won by a postgraduate student. The best paper presentation in the 'First National Obstetric Anaesthesia Conference was also bagged by another postgraduate student of the Department.

The Department of Biostatistics and Medical Informatics: was in-charge and closely involved in the networking of more than 200 computers in the College. This was successfully accomplished during the year. The Department is now pushing for online access to medical journals and intranet communication. It has also authored a book which is published in the US and has received excellent reviews from around the world perhaps the most comprehensive book on Biostatistics.

Department of Dentistry: Computerised digital radiography was set up.

Department of Dermatology: Screening of inmates of the Tahirpur Leprosy Home was completed according to the guidelines from High Court to Department of Social Welfare, Govt. of NCT, Delhi.

Department of Medicine initiated a Tobacco Cessation Clinic and a Cardiomyopathy Clinic in UCMS-GTB Hospital from June 2008 with emphasis on tobacco cessation and preventable cardiomyopathies. The Department also took charge of the Anti Retroviral Therapy (ART) clinic for treatment of patients with HIV/ AIDS from February 2009. A five-bedded Intermediate Coronary Care Unit (ICCU) was opened this year in the CCU block to provide stepdown care for patients of coronary artery disease. Deep freezers (-20^o and -80^o C), automatic Gamma Counter, osmometer and continuous glucose monitoring systems were procured for the Department. A Diabetes, Endocrine and Metabolic ward (DEM ward) with 22 beds, including an Endocrine ICU facility has been set up with Resident and other support staff. The Department also took the initiative of starting a popular lecture series on common health problems for the benefit of common people. The lectures are to be delivered in vernacular languages.

The Department of Microbiology conducted two training workshops for laboratory technicians from 18 ICTCs and 4 blood banks under SRL, in EQAS in HIV testing and one seminar on the occasion of the first Global Hand Washing Day. A Gel documentation system was installed and the molecular lab was started for research purposes. Approximately five lakh samples from the hospital were processed in the eleven diagnostic sections of the

Department. Fifty-four students of B.Sc. (M.L.T.), B.Sc. (Microbiology), M.Sc. (Microbiology), M.Sc. (Biotechnology) and B.Tech. (Biotechnology) from other colleges and universities were trained and assigned projects in the Department during the year.

The Department of Obstetrics and Gynaecology was selected for participating in the international project, International Multicentric Trial: CORONIS Trial, The International CAESER Study. Training programmes for medical officers and paramedicals on cervical cancer screening by visual methods and also training programme for Skilled Birth Attendants under Director General Health Services were started. The Department published three books this year, including teaching guides postgraduate students and one video atlas of surgical techniques in obstetrics and gynaecology which will benefit all practicing obstetricians and gynaecologists.

The Department of Otorhinolaryngology organised an International Course on Middle Ear Reconstruction held by the Department was well attended and appreciated by all delegates. There were state-of-the-art lectures and extremely informative demonstration of surgeries by international faculty. The Department has added facility for Sialendoscopy (endoscopy of salivary ducts) and navigation system in endoscopic surgery for skull base, nose and paranasal sinuses to its existing facilities, which is available in very few government setups.

The Department of Paediatrics has maintained high standards of postgraduate teaching and training. The first prize in the Annual National Conference of Paediatrics was won by a postgraduate student of the Department.

The Department of Surgery: Five new regular faculty members were appointed and the number of clinical units increased to four. The Departmental Library has been expanded and now it has 95 books and journals along with e-Learning material. A regular surgical skill training programme--Suture Practicum is being conducted for all batches of interns posted in the Department. The Department was awarded the first prize and trophy for the best overall presentation at monthly meetings of the Delhi chapter of the Association of Surgeons of India for the year 2008.

New Course Introduced

A Teaching Module on Prevention and Control of Injuries was introduced in the MBBS Teaching Programme in Surgery.

COMMUNITY MEDICINE

Research Scheme

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
To Study the Magnitude and Mechanism of Non-Response to Hepatitis -B Vaccine in India and Possible Strategies to Overcome Non-response.	Dr. K. Agrawal	ICMR

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		MCH- STAR
Monitoring and Supervision for ICDS Scheme.	Dr. A.T. Kannan	NIPCCD
Improving Patterns of Care in Children with Type-I Diabetes Mellitus.	Dr. A.T. Kannan	WHO
Process Evaluation of Mobile Health Scheme of Govt. of NCT of Delhi.	Dr. O.P. Rajoura	Govt. of NCT of Delhi
Evaluation of Mobile Health Scheme, Directorate of Health Sciences.	Dr. A.K. Sharma	DHS Govt. of Delhi
MEDICINE		
Role of testosterone and prolactin in cardiovascular risk associated with male type 2 diabetes mellitus and obesity.	Dr. S.V. Madhu	ICMR
Diabetes Mellitus-New drug discovery R&D molecular mechanisms and genetic project with and epidemiological factors.	Dr. S.V. Madhu	CSIR and IGIB, Delhi
Role of lifestyle and dietary pattern in relation to type 2 diabetes mellitus.	Dr. S.V. Madhu	ICMR
MICROBIOLOGY		
Study of immune response to common recall antigens in autoimmune skin diseases before and after immuno suppressive intervention.	Dr. S. Das	DST
Molecular characterisation of V. cholerae 01 biotype El Tor strains isolated from East Delhi and comparison of their plasmid profile and RFLP pattern with antibiogram.	Dr. S. Das	Intramural

HIV sentinel surveillance, HIV sero surveillance and quality assurance evaluation at state reference laboratory of UCMS. Dr. V.G. Ramachandran NACO

OTORHINOLARYNGOLOGY

Development of content for a website to be utilised as an information resource on various aspects of hearing loss. Dr. N. Gupta WHO

PAEDIATRICS

Multicentric trial on immunogenicity and safety of Biovac A Vaccine. Dr. M.M.A. Faridi Medclin Research

PHARMACOLOGY

Central and peripheral interaction of opioid and NMDA receptors in neuropathetic inflammatory pain, and their role in antinociception from stimulators of periaqueductal gray in male rats. Dr. N. Khanna ICMR

Effect of some herbal drugs on experimental models of ischemia. Dr. N. Khanna CSIR

Role of glutamate receptors in schizophrenia. P. Kumari UGC

Role of free radicals on functional changes in cardiovascular regulatory mechanisms on mercury exposure in rats (in vivo). P.K. Mediratta ICMR

Effect of polypharmaceutical herbal drug, lipotab on isoproterenol-induced chronic heart failure in rats. P.K. Mediratta ICMR

PHYSIOLOGY

A study of stress among first professional medical students and effect of exercise in its management. N. Shankar Intramural

Assessment of oxidative stress and inflammatory markers in patients of type II diabetes mellitus: Before and after yoga.	S. Singh	Intramural
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Pulmonary function and oxidative stress in workers exposed to styrene in plastic factory.	N. Vaney	Intramural
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PSYCHIATRY

Quality of life in psychiatric patients in India from the following disorders - depressive disorders, anxiety disorders, obsessive compulsive disorders and alcohol dependence.	M.S. Bhatia	CSIR
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Prevalence of social anxiety disorder in school-going adolescents.	M.S. Bhatia	ICMR
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New Additions

Dr. P. Motiani	Assistant Professor	Anaesthesiology
Dr. M. Mehta	Assistant Professor	Anaesthesiology
Dr.S. Wadhwa	Lecturer	Anatomy
Dr. S. Dixit	Lecturer	Anatomy
Dr. S. Garg	Lecturer	Biochemistry
Dr. A. Khatri	Lecturer	Dentistry
Dr. C. Grover	Lecturer	Dermatology
Dr. B. Kashyap	Lecturer	Microbiology
Dr. R. Saha	Lecturer	Microbiology
Dr. R. Agarwal	Asst. Professor	Obstetrics and Gynaecology
Dr. Himsweta	Lecturer	Obstetrics and Gynaecology
Dr. S. Jain	Lecturer	Obstetrics and Gynaecology
Dr. R. Sharma	Lecturer	Obstetrics and Gynaecology
Dr. K. Singh	Lecturer	Obstetrics and Gynaecology
Dr. P. Batra	Reader	Paediatrics
Dr. H. Gupta	Assistant Professor	Paediatrics
Dr. R. Gupta	Lecturer	Pharmacology
Dr. S. Halder	Lecturer	Pharmacology
Dr. S. Jain	Lecturer	Pharmacology
Dr. N. Wardhan	Lecturer	Pharmacology
Dr. A. Dixit	Lecturer	Physiology
Dr. M. Gupta	Lecturer	Physiology
Dr. S. Singh	Lecturer	Physiology

Dr. A. Yadav	Lecturer	Physiology
Dr. M. Joshi	Lecturer	Surgery
Dr. D. Mohanty	Lecturer	Surgery
Dr. Saha S	Lecturer	Surgery
Dr. P. Saini	Lecturer	Surgery
Dr. S. Singh	Lecturer	Surgery

Seminars/Conferences attended

A. Gupta: 4th Annual Indo-US Emergency Medicine Summit, Mangalore, 8-12 September 2008.

B.K. Jain: Training course on Administration and Financial Skill at National Institute of Health and Family Welfare, New Delhi, 23-25 March 2009.

S. Kumar: 4th Meeting of the International Endohernia Society (Consensus conference for the Development of Technical Guidelines in Endohernia Surgery, New Delhi, 19-21 February 2009.

Third AIIMS Surgical Week (ENDOSURG 2009), New Delhi, 13-15 March 2009.

Annual Conference of Association of Surgeons of India (ASICON), Ludhiana, 26-30 December 2008.

Publications

ANATOMY

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BIostatistics AND MEDICAL INFORMATICS

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COMMUNITY MEDICINE

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DENTISTRY

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DERMATOLOGY

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V.P. CHEST INSTITUTE

Major Activities

The Vallabhbhai Patel Chest Institute (VPCI) continue its education, research and patient care activities. The Institute has entered its 60th year of establishment. In this Diamond Jubilee year, two important conferences were organised.

On the occasion of the 59th Foundation Day Celebrations, Prof. C.R. Babu, former Pro-Vice-Chancellor, Delhi University, delivered the '10th Prof. Raman Viswanathan -VPCI Oration' on 6 April 2008. A National Seminar on 'Yogic Management of Cardiorespiratory Disorders' was also organized on this occasion in collaboration with the Morarji Desai National Institute of Yoga (MDNIY), New Delhi.

Dr Nanduri R. Prabhakar, University of Chicago, USA, delivered the 4th Prof. Autar Singh Paintal Memorial Oration on 24 September 2008.

The Faculty members are engaged in various research projects sponsored by different agencies of the Government of India, WHO, etc. The vibrancy of these research projects / activities can be well judged from the List of Publications, Guest Lectures delivered and papers presented in conferences by faculty members of the Institute. The hospital wing (Viswanathan Chest Hospital) of the Institute continued to provide excellent diagnostic and treatment services, including Critical Care management to patients suffering from respiratory and allied diseases.

Research Grants

During the period under report, the Institute has received research grants for various research projects from the following funding agencies as per the details given below:

Indian Council of Medical Research	:	Rs. 69,91,066
Department of Science and Technology	:	Rs. 17,59,396
Council of Scientific and Industrial Research	:	Rs. 25,26,660
World Health Organization	:	Rs. 4,97,536
University Grants Commission	:	Rs. 12,37,330
Department of Biotechnology	:	Rs. 30,76,000
Defence Institute of Physiology and Allied Sciences	:	Rs. 15,89,270
Central Council for Research in Unani Medicine	:	Rs. 7,68,311

Honours/Distinctions

Dr V.K. Vijayan: Member of the Executive Committee and Central Planning Committee, Asia Pacific Society of Respiriology; Member, Editorial Advisory Board, *Chest*, an official publication of the American College of Chest Physicians, USA.; Member, Editorial Advisory Board, *Chest* (Indian Edition), an official publication of the American College of Chest Physicians, U.S.A.

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.

Chair, Clinical Respiratory Medicine Assembly, Asia Pacific Society of Respiriology.

Prof. M.K. Agarwal: President, Indian College of Allergy, Asthma and Applied Immunology, Delhi.

Editor, *Bioscience Trends*, published by International Research Cooperation Association for Bio and Socio-sciences Advancement (IRCA-BSSA), Japan; Editor, Biotechnology Society of India.

Member, Editorial Board, *Indian Journal of Allergy, Asthma and Immunology*, an official publication of the Indian College of Allergy, Asthma and Applied Immunology; Member, Vision Committee (VISION 2020) of National Institute of Biologicals (NIB), Ministry of Health and Family Welfare, Government of India; Member, Scientific Advisory Committee, International Life Sciences Institute – India.

Prof. S.N. Gaur: Member, (Autoimmunity, Anaphylaxis and Adverse Reaction to Food Allergy Committees), American Academy of Allergy, Asthma and Immunology.

Expert Member, Committee on Prevention, Abatement and Control of Pollution, Ministry of Environment and Forest, Government of India.

Prof. Mridula Bose: Member, Editorial Board, *Indian Journal of Chest Diseases and Allied Sciences*, an official publication of the V.P. Chest Institute and the National College of Chest Physicians (India).

President, Indian Association of Medical Microbiology (Delhi Chapter).

Prof. Ashok Shah: Member, Editorial Advisory Board, *Chest* (Indian Edition), an official publication of the American College of Chest Physicians, U.S.A.

Associate Editor, *Indian Journal of Tuberculosis*, an official publication of the Tuberculosis Association of India.

Member, Editorial Board, *Indian Journal of Allergy, Asthma and Immunology*, an official publication of the Indian College of Allergy, Asthma and Applied Immunology.

Prof. K. Ravi: Member, Selection Committee, Recruitment and Assessment Centre, Defence Research Development Organisation, New Delhi.

Prof. S.K. Bansal: Secretary, Biotechnology Society of India.

Secretary, Association of Clinical Biochemists of India (Delhi Chapter).

Dr. Mandira Varma: Awarded Best Paper Presentation for the paper titled, 'Identification of *M. tuberculosis* by PCR restriction analysis directly in clinical samples' (Mandira Varma-Basil, Kushal Garima, Rakesh Pathak, Kameshwar Singh, Shailendra Dwivedi, Sujeet Kumar, Bhawna Dhiman, Mridula Bose), presented at the 3rd Meeting of Indian Association of Medical Microbiologists (Delhi Chapter), Delhi, 6 December 2008.

Dr. Anuradha Chowdhary: Awarded NAWOPIA-95 Dr. Pankajalakshmi V. Venugopal Prize for best paper in Mycology for a joint paper titled, 'A study of species spectrum and antifungal susceptibility pattern of opportunistic pathogenic fungi isolated from HIV patients in New Delhi' (Juneja S, Chowdhary A, Randhawa HS, Sundar G., Sharma B., Gurtoo A), presented at XXXII Annual Congress of Indian Association of Medical Microbiologists (IAMM), Armed Forces Medical College, Pune, 21-25 October 2008.

Dr. Anita Kotwani: Project Member and Country Coordinator, WHO-HAI project on Medicine Prices.

Executive Member, International Society for Pharmacoeconomics and Outcome Research (ISPOR), Indian Chapter.

Dr. Kavita Gulati: Executive Member, of the Indian Pharmacological Society.

Dr. Vishal Bansal: Awarded Membership of National Academy of Medical Sciences (MNAMS).

Seminars/Conferences held

National Seminar on Yogic Management of Cardio-respiratory Disorders, 5-6 April 2008, on the occasion of the 59th Foundation Day Celebrations of V.P.C.I., Delhi.

VIII CME on Diagnostic Bronchology, Delhi, 29 June 2008.

International Conference on Pathology of Chest Diseases: An Integrated Approach, as part of the Diamond Jubilee Celebrations of V.P.C.I., Delhi, 6-7 December 2008.

A Workshop on 'Smoking Cessation' was organised by the Tobacco Cessation Clinic of the Institute on 15 October 2008.

National Symposium on Emerging Trends in Nitric Oxide Research: Impact on Health Disease and Drug Development, Diamond Jubilee Celebrations of V.P.C.I., Delhi, 12 January 2009.

34th Workshop on Respiratory Allergy: Diagnosis and Management, Delhi of Genomics and Integrative Biology, 16-19 February 2009.

Seminars/Conferences attended

Dr. V.K. Vijayan: Vice-Chairman, Organising Committee and Chaired a session on Obesity and Lung Health, First International Conference of South East Asia Region (The Union) and LXIII National Conference on Tuberculosis and Chest Diseases (SEAR-NATCON 2008), New Delhi, Tuberculosis Association of India and New Delhi Tuberculosis Centre, 8-10 September 2008.

Delivered lecture on: 'Occupational lung diseases' and Chaired a session on Occupational health and safety delivery: Rural sector and small workplaces, National Workshop on 'Management of Occupational Health and Safety Delivery: Scopes and Challenges', Ahmedabad National Institute of Occupational Health, 30 September-1 October 2008.

Delivered Guest Lecture on: 'Tropical pulmonary eosinophilia', XIII Congress of the Asia Pacific Society of Respiriology, Bangkok, Thailand, 19-22 November 2008.

Organising Chairman and delivered Guest Lectures on: 'Common chronic respiratory diseases in India' and 'Bronchoalveolar lavage', International Conference on Pathology of Chest Diseases: An Integrated Approach, V.P.C.I., Delhi University, 6-7 December 2008.

Delivered Guest Lectures on 'Eosinophilic bronchitis' and Chairperson of WAO-Gloria Lecture on 'Immunotherapy', XLII Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON 2008), Ahmedabad, Smt NHL Municipal Medical College, 11-14 December 2008.

Organising Chairman, and delivered Guest Lecture on 'Therapeutic uses of nitric oxide in cardio-respiratory diseases' and chaired a session in National Symposium on Emerging Trends in Nitric Oxide Research: Impact on Health, Disease and Drug Development, V.P.C.I., Delhi University, 12 January 2009.

Delivered lecture on 'Pulmonary function tests', Workshop on 'Silica Exposure: Diseases and Management', National Institute of Occupational Health, Ahmedabad, 15-17 January 2009.

Prof. H.G. Raj: Delivered lecture on 'Role of calreticulin in hypoxia', Indo-Italian Seminar on Green Chemistry and Natural Products, Department of Chemistry, Delhi University, and Embassy of Italy, 5-6 December 2008.

Delivered lecture on 'Establishment of protein acyl transferase function of calreticulin utilizing acyloxycoumarins as the acyl group donors', XIII ISCB International Conference, Indo-French Seminar on Biomolecular Chemistry, Department of Chemistry, Delhi University, 9 March 2009.

Delivered lecture on 'Evaluation of free radical scavenging and antioxidant activity of polyphenols and its peracetates by EPR spectroscopy'; Chaired a session on Methodology and Recent Developments in Laboratory Techniques, International Conference on Advances in Free Radical Research: Natural Products, Antioxidants and Radioprotectors and attended VIII Annual Meeting of Society for Free Radical Research – India, Department of Biochemistry, C.S.M. Medical University, Lucknow, 19-21 March 2009.

Prof. M.K. Agarwal: Delivered lectures on 'Basic immune response' and 'Insect allergy', National Conference on Pulmonary Diseases (NAPCON-2008), National College of Chest Physicians (India) and Indian Chest Society, Lucknow, 6-9 November 2008.

Presented a paper on 'Insect aeroallergens: Clinico-immunologic studies, identification of major allergens and heterogeneity of patients' IgE response to different allergenic components', XIII Annual Conference of Asia Pacific Society of Respiriology, Bangkok, Thailand, 19-22 November 2008.

Delivered lectures on 'Non-pollen, non-fungal aeroallergens', 'Basic immune response' and 'Aeroallergen research in India: Past, present and future'; Chaired a symposium on Biosafety of GM foods and Chaired sessions on Eosinophilic bronchitis and Urticaria, XLII Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON 2008), Smt. NHL Municipal Medical College, Ahmedabad, 11-14 December 2008.

Prof. S.N. Gaur: Presented a poster on 'Evaluating role of inhaled magnesium sulphate as an adjunct to salbutamol and ipratropium in severe acute asthma', Annual Conference of American College of Chest Physicians (CHEST-2008), Philadelphia, USA, 25-30 October 2008.

National Advisor and Guest Lecture on Global warming and respiratory diseases, National Conference on Pulmonary Diseases (NAPCON-2008), National College of Chest Physicians (India) and Indian Chest Society, Lucknow, 6-9 November 2008.

Chairperson of WAO-Gloria Lecture on the topic, 'Anaphylaxis'; Delivered Lectures on 'Dilemma of global warming', 'Clinical workup in allergy patients' and 'Immunotherapy', XLII Annual Conference of the Indian College of Allergy, Asthma and Applied Immunology (ICAAICON 2008), Smt. NHL Municipal Medical College, Ahmedabad, 11-14 December 2008.

Prof. A. Ray: Delivered Guest Lecture on 'Newer insights into the mechanisms of action of indigenous adaptogens', Workshop on 'Relevance of Modern Methods of Pharmacological Studies to Traditional Medicine', Chhatrapati Shahuji Maharaj Medical University, Lucknow, 16-21 October 2008.

Delivered Guest Lecture on 'Theophylline toxicity: In search for an antidote', National Symposium on Drug Discovery, ISF College of Pharmacy, Moga, Punjab, 14 November 2008.

Delivered Guest Lecture on 'Interactions of traditional and modern medicines: Focus on adoptgens', International Symposium on New Developments in Drug Discovery from Natural Products and Traditional Medicines, National Institute of Pharmaceutical Education and Research, Mohali, 16-21 November 2008.

Prof. Mridula Bose: Delivered Lecture on 'Nitric oxide: Role in innate and acquired immune response in pulmonary tuberculosis', National Symposium on Emerging Trends in Nitric Oxide Research: Impact on Health, Disease and Drug Development, V.P.C.I., Delhi University, 12 January 2009.

Chaired a session on New technologies for TB diagnosis – What is in the pipelines?, Recent Aspects of TB Diagnosis and Management, Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi, 20 January 2009.

Prof. Ashok Shah: Chaired a session on Epidemiology and clinical diversities, First International Conference of South East Asia Region (The Union) and LXIII National Conference on Tuberculosis and Chest Diseases (SEAR-NATCON 2008), Tuberculosis Association of India and New Delhi Tuberculosis Centre, New Delhi, 8-10 September 2008.

Delivered Guest Lecture on 'Pulmonary sarcoidosis in India', Chaired a session on Environmental Lung Disease and Chaired a poster discussion on COPD, National Conference on Pulmonary Diseases (NAPCON-2008), National College of Chest Physicians (India) and Indian Chest Society, Lucknow, 6-9 November 2008.

Prof. S.K. Chhabra: Presentation: Respiratory health effects of outdoor air pollution, Joint Indo-US Workshop on Environmental Risks of Respiratory Disease, Indian Council of Medical Research and Post Graduate Institute of Medical Education and Research, Chandigarh, 5-6 September 2008.

Chaired a panel discussion on Management of COPD, First International Conference of South East Asia Region (The Union) and LXIII National Conference on Tuberculosis and Chest Diseases (SEAR-NATCON 2008), Tuberculosis Association of India and New Delhi Tuberculosis Centre, New Delhi, 8-10 September 2008.

Delivered Lecture on 'Spirometry interpretation' in the workshop on 'Pulmonary Function Tests' and Expert in the 'Meet the Expert' session on Management of severe COPD, National Conference on Pulmonary Diseases (NAPCON-2008), National College of Chest Physicians (India), Lucknow, 6-9 November 2008.

Chaired a session on Asthma control, 64th Annual Conference of Association of Physicians of India (APICON 2009), Association of Physicians of India, Greater Noida, NCR, 29 January - 1 February 2009.

Prof. K. Ravi: Delivered Guest Lecture on 'Sensory origin of cough, dyspnoea and muscle weakness in pulmonary edema', First Congress of Asia-Pacific Society for Mountain Medicine, Delhi, 28-30 November 2008.

Delivered Guest Lecture on 'Nitric oxide and pulmonary renal reflex', National Symposium on Emerging Trends in Nitric Oxide Research: Impact on Health, Disease and Drug Development, V.P.C.I., Delhi University, 12 January 2009.

Dr. Raj Kumar: Presented a paper on 'Food allergy – Indian scenario', 10th Malaysian Congress and Exhibition on Allergy and Immunology, Malaysian Society of Allergy and Immunology, Selangor, Malaysia, 27-28 February 2009.

Dr. Balakrishnan Menon: Presented papers on 'Evaluation of high sensitivity C reactive protein in patients of bronchial asthma and its correlation with exacerbation rate and

pulmonary function' and 'Evaluation of the effect of inhaled ciclesonide on inflammatory and allergic markers and pulmonary function in bronchial asthma', VIII European Respiratory Society Annual Congress (ERS 2008), European Respiratory Society, Berlin, Germany, 4-8 October 2008.

Panelist in a panel discussion on Bronchial Asthma, National Conference on Pulmonary Diseases (NAPCON-2008), National College of Chest Physicians (India) and Indian Chest Society, Lucknow, 6-9 November 2008.

Presented a paper on 'Evaluation of Paraoxonase-1 activity and its relation to the severity of obstructive lung impairment in patients of COPD', XIII Congress of the Asia Pacific Society of Respiriology, Bangkok, Thailand, 19-22 November 2008.

Dr. Madhu Khanna: Presented a paper on 'A combinatorial antiviral approach against influenza A virus using ribozyme and siRNA', Third European Influenza Conference, European Scientific Working group on Influenza, Vilamoura, Portugal, 14-17 September 2008.

Dr. Anita Kotwani: Presented a paper on 'Availability, price, and affordability of two inhalation medicines for treatment of asthma in different states of India', Annual Research Meeting of Academy Health, Washington D.C., USA, 8-10 June 2008.

Dr. Kavita Gulati: Presented papers on 'Role of nitric oxide during stress and its potential as a target molecule for drug development', and 'Pharmacological and biochemical evidence for the role of oxidative stress in theophylline toxicity: An experimental study with clinical implications', IXth World Conference on Clinical Pharmacology and Therapeutics Canadian Society for Clinical Pharmacology (CSCP) and the International Union of Pharmacology and Clinical Pharmacology (IUPHAR), Quebec, Canada, 27 July - 1 August 2008.

Delivered Guest Lecture on 'Nitric oxide: A potential endogenous adaptogen and a target molecule for drug development', National Symposium on Drug Discovery, ISF College of Pharmacy, Moga, Punjab, 14 November 2008.

Delivered Guest Lecture on 'Bridging the gap between traditional and modern medicine: A study with UNIM-352 in bronchial asthma', International Symposium on New Developments in Drug Discovery from Natural Products and Traditional Medicines, National Institute of Pharmaceutical Education and Research, Mohali, 16-21 November 2008.

Delivered Guest Lecture on 'Newer approaches to theophylline toxicity and its antagonism' and Presented a paper on 'Experimental studies on the anti-oxidant role of nitric oxide during stress', International Conference on Translational Pharmacology and 41st Annual Conference of Indian Pharmacological Society, Indian Pharmacological Society and All India Institute of Medical Sciences, New Delhi, 18-20 December 2008.

Delivered Guest Lecture on 'Evidence for a differential neuromodulatory role of nitric oxide in anxiety and seizures', National Symposium on Emerging Trends in Nitric Oxide Research: Impact on Health, Disease and Drug Development, VPCI, Delhi University, 12 January 2009.

Delivered Guest Lecture on 'Newer insights into the neuromodulatory role of nitric oxide and its impact on drug development', National Conference on Innovations in Drug Discovery and Research, Punjabi University, Patiala, 3-5 March 2009.

Organising Secretary and delivered Lecture on 'Analysis of bronchoalveolar lavage fluid', International Conference on Pathology of Chest Diseases: An Integrated Approach, VPCI, Delhi University, 6-7 December 2008.

Publications

Agarwal, M.K. and Vermani, M. 2008. 'Immune system and allergic diseases'. In Thakor, N. et al, (Eds), *Allergy*. Ahmedabad: Publication of Smt. NHL Medical College, pp. 1-19.

Agarwal, M.K., Vijayan, V.K. and Vermani, M. 2008. 'Effect of azelastine nasal spray on histamine- and allergen-induced skin wheal response in patients with allergic rhinitis'. *J. Asthma*, 45: 548-51.

Arora, S., Tyagi, Y.K., Kumar, A., Majumder, S., Saluja, Daman., Raj, H.G., Chatterjee, S., Saso, L., Prasad, A.K. and Parmar, V.S. 2009. 'The role of calreticulin transacetylase in the activation of human platelet nitrite reductase by polyphenolic acetates'. *Biological Pharmaceutical Bulletin*, 32: 161-5.

Bansal, V., Hill, K., Dolmage, T.E., Brooks, Dina., Woon, Lynda and Goldstein, R.S. 2008. 'Modifying track layout from straight to circular has a modest effect on the six-minute walk distance'. *Chest*, 133: 1155-60.

Bose, M. 2008. 'Natural reservoir, zoonotic tuberculosis and interface with human tuberculosis: An unsolved question' (commentary). *Indian J. Med Res*, 128: 4-6.

Chakraborti, A., Gulati, Kavita and Ray, A. 2008. 'Age related changes in stress-induced neurobehavioral effects in rats modulation by antioxidants and nitrenergic agents'. *Behav Brain Res*, 194: 86-91.

Chawla, S., Prasad, A.K., Chhabra, S.K., Vijayan, P., Vermani, M. and Agarwal, M.K. 2008. 'Influenza virus- and cockroach allergen-specific IgE in virus induced exacerbation of asthma'. *Indian J. Allergy Asthma Appl Immunol*, 22: 91-7.

Chhabra, S.K. 2008. 'Bronchial asthma'. In *API Textbook of Medicine* (ed.), Shah, S.N. Mumbai: The Association of Physicians of India, pp. 355-61.

Diwakar, A., Panjabi, C. and Shah, A. 2008. 'Allergic bronchopulmonary aspergillosis, allergic *Aspergillus* sinusitis and their co-occurrence'. *Open Allergy J*, 1: 52-61.

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- Gulati, K., Chakraborti, A. and Ray, A. 2008.** 'Differential role of nitric oxide (NO) in acute and chronic stress induced neurobehavioral modulation and oxidative injury in rats'. *Pharmacol Biochem Behav*, 92: 272-6.
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- Iqbal, A., Aggarwal, B., Menon, B. and Kulshrestha R. 2008.** 'Talc granulomatosis mimicking sarcoidosis'. *Singapore Med J*, 49: 168-70.
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- Shah, A. and Gupta, U.A. 2009.** 'Smoking and tuberculosis'. In Arora, V.K. (ed.), *Manual on tuberculosis, HIV and lung diseases: A practical approach*. Delhi: Jaypee Brothers Medical Publishers, 389-98.

- Shah, A., Kala, J., Sahay, S. and Panjabi, C. 2008.** 'Frequency of familial occurrence in 164 patients with allergic bronchopulmonary aspergillosis'. *Ann Allergy Asthma Immunol*, 101: 363-9.
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- Sharma, Sadhna, Sharma. Monika and Bose, Mridula. 2009.** '*Mycobacterium tuberculosis* infection of human monocyte derived macrophages leads to apoptosis of T cells'. *Immunol Cell Biol* 2009, 87: 226-34.
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- Tyagi, N., Gulati, Kavita, Vijayan, V.K. and Ray, A. 2008.** 'A study to monitor adverse drug reactions in patients of chronic obstructive pulmonary disease: focus on theophylline'. *Indian J Chest Dis Allied Sci*, 50: 199-202.
- Varma, B., Dwivedi, M., Kumar, S., Pathak, K., Rastogi, R., Thukral, S.S., Shariff, M., Vijayan, V.K., Chhabra, S.K. and Chaudhary, R. 2009.** 'Role of *Mycoplasma pneumonia* infection in acute exacerbations of chronic obstructive pulmonary disease'. *J Med Microbiol*, 58: 322-6.

FACULTY OF TECHNOLOGY

COMPUTER ENGINEERING

Research Scheme

<i>Title</i>	<i>Sponsoring Organisation</i>
A Knowledge Discovery based Decision Support System for Education Planning.	AICTE

New Additions

Ms. Rajni Jindal	-	Asstt. Professor
Mr. Vinod Kumar	-	Asstt. Professor

Mr. Manoj Kumar - Asstt. Professor
Ms. Akshi Kumar - Lecturer
Mr. Shailendra Kumar - Lecturer

Seminars/Conferences attended

Dr. Daya Gupta: Attended International Conference ICETET 08 at Nagpur in July 2008 and presented a paper titled 'Security Requirements Elicitation Using View Points for online System'.

Ms. Rajni Jindal: Attended 1st International Conference on Semantic e-Business and Enterprise Computing (SEEC2008) in Cochin and presented a paper titled 'An approach for targeted advertising in e-business using pragmatic and semantic web concept'.

Mr. Manoj Sethi: Attended CSI 2008 & SEARCC 2008 Annual Convention – CSI Connect 2008 at Chennai Trade Centre, Chennai, India, 11-13 September 2008.

Singh, S.K., Bhatia, M.P.S. and Jindal, R. 2008. 'Design Issues of Reconfigurable Embedded System architectures' in the proceedings of the International Conference on Advanced Computing Technologies (ICACT 08), 84-89, Delhi, 26-27 December 2008.

Aggarwal, A. and Gupta, D. 2008. 'Security Requirements Elicitation Using View Points for online System', IEEE Explore no. DOI 10.1109/ICETET, 91: 1238-43.

Gupta, D. and Sadique, M. 2008. 'Software Risk Assessment and Estimation Model', IEEE Explore no. DOI 10.1109/ICCSIT, 184: 963-7.

Gupta, D., Kaushal, S. and Sadiq, M. 'Software Estimation Tool Based on Three Layer Model For Software Engineering Metrics' published in the proceedings of IEEE's ICMIT-08, Bangkok, Thailand.

Chauhan, A., Nizhawan, N. and Gupta, D. 'Semantic Search and Annotation Tool' (SSAT), Proceedings of SWWS, world comp -08, J, Las Vegas, USA.

Dwivedi, R. and Gupta, D. 2008. 'Multicasting Approach in Mobile Ad-hoc Networks and its Performance Analysis', in the proceedings of IEEE's WICOM 08, China.

Sethi, M., Gupta, K. and Gupta, A. 2008. 'High Level Petri Nets – An Effective Modeling Tool for Information Processing Systems', International Conference on Information Processing, Bangalore.

Goyal, P. and Saxena, S.K. 2008. 'A dynamic Decision Model for vertical Handoffs across Heterogeneous Wireless Networks', Proceedings of World Academy of Science, Engineering and Technology, Vol. 31.

Singhal, A. and Jindal, R. 2008. 'Semantic Web approach in Software Engineering', published in the 4th International Conference on Challenges and Development in IT (ICCDIT-2008), Punjab.

Jindal, R. and Gupta, A. 2008. 'Open Traffic Information System', published in 4th International Conference on Challenges and Development in IT-2008, Punjab, India.

Lonkar, A., Khetrapal, A., Raman, A., Dalmia, S. and Jindal, R. 2008. 'Bio-Inspired Approach to distributed temporal certificate revocation in VANETs', accepted for 2nd International Conference on New Technologies, Mobility and Security IEEE NTMS 2008 Tangier, Morocco.

Jindal, R. and Gupta, A. 2008. 'Generating Traffic Information through Mobile Messaging' International Conference on Wireless Information Networks and Systems 2008, Porto, Portugal.

Jindal, R. and Singhal, A. 2008. 'A Targeted Advertising model for E-Business using Pragmatic Patterns and Context Ontologies', published in the proceedings of First IEEE International Conference on the Application of Digital Information and Web Technologies (ICADIWT 2008) in Ostrava, Czech Republic.

2008. 'An approach for targeted advertising in e-business using pragmatic and semantic web concept', published in the proceedings of 1st International Conference on Semantic e-Business and Enterprise Computing (SEEC2008), Cochin, 149-153, ISBN: 978-81-907337-0-0.

Gupta, D. and Jat, K. 2008. 'Knowledge representation with ontology and Relational database to RDF Converter', proceedings of EISWT-08, ISBN: 978-1-60651-003-02, pp. 141-46.

Gupta, G. and Gupta, D. 'Device Discover: A component for Network Management System using Simple Network Management Tool', proceedings of WASET-08, Vol. 32, ISSN: 2070-3740.

Agrawal, R.K. and Gupta, D. HighRAND: 'High Priority Instruction Block Randomizer', To be published in the proceedings of ICIP – 08, Bangalore, India.

Kaushal, S. and Gupta, D. 'Applying Function Point to the Effort and Duration Estimation of Software Projects', proceedings of ICCDIT-08, Ludhiana, Punjab, India.

Sanjay, Gupta, D. and Kapoor, R. 'Object Tracking Using Upkf RBF Algorithm', proceedings of SEEC-08, Cochin, India.

Nizhawan, N., Chauhan, A. and Gupta, D. 'An Approach to Semantic Web', Proceedings of SEEC-08, Cochin, India' 2008.

Jindal, R. and Bashiyan, C. 'Reduced Order Modelling of Linear Multivariable Systems using Eigen Spectrum Analysis and Cauer Second Form', proceedings of the 4th National Conference on Machine Intelligence NCMI-2008, Centre for Advanced Technology and IETE Chandigarh Centre, Haryana, 21-26 August 2008.

'Reduced Order Modelling of Linear Dynamic Systems using Eigen Spectrum Analysis and factor Division Algorithm proceedings of National Conference on Recent Advances in Engineering and Technology (NCRAET-2008), Ajmer, India, 25-30 April 2008.

Bhaskar, S. and Saxena, S.K. 'Application for 3G Windows-based Mobile using Wi-Fi'. Proceedings of the Second National Conference on VLSI and Communication Engineering, published in (NC-VCom 2008), Saintgits College of Engineering, Kottayam, Kerala, 14-15 March 2008.

Gupta, A. and Jindal, R. 2008. 'An Overview of Ranking Algorithms for Search Engines', proceedings of the 2nd National Conference of Computing for Nation Development (INDIACom-2008), 335-340, ISSN: 978-81-904526-2-5, Delhi.

Bhatia, M.P.S. and Kumar, A. 2008. 'The Context-driven Generation of Web Search', Proceedings of Conference on Information Science Technology and Management (CISTM'08), New Delhi.

Publications

Journals

Gabrani, G., Bhargava, P., Bhawana and Gill G.S. 2008. 'Use of Genetic Algorithms In Indian Music Mixing', *ACM Ubiquity*, 9(10).

Saxena, P.C., De, A. and Jindal, R. 2008. 'A novel scheme for candidate generation for mining frequent patterns'. *International Journal of Soft Computing*, ISSN: 1816-9503, 3(3): 205-11.

Bhaskar S. and Saxena, S.K. 2008. 'Designing ActiveSync for Pocket PC using Wireless Technology', *International Journal of Maritime Information and Communication Sciences*, 6(2).

Bhatia, M.P.S. and Kumar, A. 2008. 'Information Retrieval and Machine Learning: Supporting Technologies for Web Mining Research & Practice', *Webology*, ISSN 1735-188X.

2008. 'A Primer on the Web Information Retrieval Paradigm', *Journal of Theoretical and Applied Information Technology (JATIT)*, E-ISSN 1817-3195/ISSN 1992-8645, 4(7): 657-62.

MECHANICAL ENGINEERING

Major Activities

At the Moon Buggy Race organized by NASA in April 2008, the best initial design award was given to final year Mechanical Engg. students of DCE. SAE Kalpana Chawla award 2008-09 for active lady Engineer was given to third year student of Mech. Engg. SAE northern India scholarship was awarded to 4th year student of Mech. Engg. INNOVA 2008-09, an Inter-College technical festival, was organised by the students of Mech. Engg. under the Green Environment label, focused on activities involving Technical paper

presentation, Student-industry interface, Industrial CAD Designing, etc. At the SAE Mini-Baja India 2009, DCE secured a rank within the top 10, which reflects a significant improvement. At SAE formula student 2008-09, DCE secured seventh rank overall and 1st position in design in Asia. The Department has enriched the teaching and research activities by the addition of 9 new Lecturers and 2 Professors. Also, the Department has established an additional departmental library with 3000 valuable books.

Ph.D. Degree awarded

Ph.D. - 1

Research Schemes

<i>Title</i>	<i>Sponsoring Organisation</i>
DCE Solar car	Moser baer
'80 kW Wind Solar hybrid at RGTU'	MNRE, Govt. of India
A Pilot plant development of 500kg per day CO ₂ Absorption and its conversion into Hydrogen, Methane and Bio-diesel.	Dept. of S&T, Govt. of India
Development of an Efficient Biodiesel Reactor for Rural Application and Utilization of Multi Feedstock derived Biodiesel in Medium Capacity Diesel Engine.	MNRE, Govt. of India
Design and development of a Hybrid car.	Indian Oil Corporation
Competency and Performance Analysis of Indian SMEs from supply Chain perspective.	DST, Govt. of India
Student competition vehicles Formula Student car Mini Baja, all terrain vehicle Super-mileage vehicle Moon Buggy Autonomous Underwater Vehicle	Tata Motors, J.K. Tyres.

New Additions

Pravin Kumar	Prashant Kumar Jain
K. Manjunath	Sanjay Kumar

Mahendra Singh Niranjana K. Srinivas
N.A. Ansari Rooplal
Md. Junaid

Honours/Distinctions

Best case study award of the year 2007-08, published in Industrial Engineering Journal, was given to Pravin Kumar on 18 January 2009 in the International Convention of the Indian Institution of Industrial Engineering, Mumbai.

Eminent Engineer Award for Significant Contribution to the Advancement and Application of Practice of Engineering in India by The Institution of Engineers (India), Delhi State Center, on Engineers Day, 15 September 2008, was given to Prof. P.B. Sharma.

Best paper award of the year 2008 was given to R.K. Singh in the *Journal of Modelling in Management* published by Emerald Publication.

Top 10 downloaded papers *published in Competitiveness Review*, an international business journal, published by R.K. Singh, American Society of Competitiveness publisher.

Seminars/Conferences attended

R.S. Mishra: Attended International Conference on Renewable Energy, organised by Exhibition India Limited Delhi, New Delhi, August 2009.

P.B. Sharma and V.K. Sethi: 'Green Power Technologies for Sustainable Power Development in India', National Coal Forum Conference, New Delhi, May 2008.

Pravin Kumar, R. Shankar and Surendra S. Yadav: 'Modeling the enablers of agile manufacturing system'. Eighth Global Conference on Flexible Systems Management (GLOGIFT-08), Stevens Institute of Technology, Hoboken, NJ., pp. 262-73.

R.K. Singh, A. Bhattacharya and S. Maji: 'Technical Manpower Scenario in Delhi and Haryana: A Comparative Study' Workshop on Labour Market Analysis for Technical and Professional Manpower: Inter State Dynamics, Institute of Applied Manpower Research, New Delhi, 26 April 2008, pp. 159-70.

R.K. Singh and V. Shivajee: Competitiveness analysis of OEM (Original Equipment Manufacturer) In India: A Case Study, Proceedings of GLOGIFT 08, Stevens Institute of Technology Hoboken, NJ, USA, pp. 1-15.

Amit Pal, J.D. Sharma, S. Maji, O.P. Sharma: 'Advantages and Limitations of CNG as Transportation Fuel in Delhi', SIAM 'TECHNIX-08, Global Automotive Conference at IHC Delhi, 28-30 April 2008.

Amit Pal, S. Maji and O.P. Sharma: 'Optimizations of Vehicular Emissions in Delhi', Glogift-08 International conference, at Stevens Institute of Technology, Hoboken, NJ, USA, 14-16 June 2008, pp. 889-897.

H.L. Sachdev, A. Arora and R.S. Bhardwaj: 'Exergy analysis of actual vapour compression refrigeration system with R-22 and its alternative refrigerant ICOR AT-22', National Conference on Recent Advances in Mechanical and Production Engineering, Pantnagar, 12-14 February 2009.

R.S. Mishra: 'Thermal performance of non-reversible thermo-syphonic pressurized and non-pressurized solar hot water systems for domestic applications', National Conference on solar energy, organised by DPC India, 4-5 April 2008.

'Thermal performance of low cost solar sterilization systems for rural applications' National Conference on solar energy, organized by DPC India, 4-5 April 2008.

'Thermal performance of ventilating Trombewall for porous and non-porous structures' National Conference on Solar Energy for Heating and Cooling, organised by DPC India, 29-30 August 2008.

'Thermal performance of low cost thermal energy storage systems for crop drying applications' National Conference of Chemical Engineers, at Punjab University, Chandigarh, 27-30 December 2008.

'Appropriate technologies for sustainable development', National Conference of Chemical Engineers, at Punjab University, Chandigarh, 27-30 December 2008.

Vipin and R.S. Mishra: 'Analysis and optimization of cutting parameters in heavy machining operations' National Conference of Recent Advances in Mechanical and Production Engineering at GB Pant University of Agriculture & Technology, Pant Nagar, 12-14 February 2009, pp. 435-40.

'Mathematical Model to predict cutting forces in heavy machining operations', National Conference of Recent Advances in Mechanical and Production Engineering at GB Pant University of Agriculture & Technology, Pant Nagar, 13-14 February 2009.

S.S. Kachhawa and R.S. Mishra: 'Thermodynamic Analysis of Absorption Refrigeration Systems, National Conference of Heat Transfer and Refrigeration at Indian Institute of Technology, Chennai, 9-11 January 2009.

FACULTY OF MATHEMATICAL SCIENCES

MATHEMATICS

Major Activities

The Department has received international recognition in the following areas of research:

- (i) Analysis
- (ii) Applied Mathematics
- (iii) Algebra and Applications

The group in Analysis has produced substantial work. The broad areas in which research work is being vigorously pursued are:

- (i) Toeplitz Operators and Hankel Operators, (ii) Composition operators and Operator algebras Spaces of analytic functions and their Operator Theory, (iii) Harmonic analysis, Fourier analysis, Operator spaces, (iv) Sobolev spaces: Their structure and applications to partial differential, (v) Equations: Complex analytic methods in partial differential equations. (vi) Algebraic topology

The thrust areas in Applied Mathematics are:

- (i) Coding theory, (ii) Parallel Computational methods for non-linear partial differential equations, (iii) Computational Fluid Mechanics, (iv) Mathematical Programming

Major areas of research in Algebra are:

- (i) Group Rings, (ii) Combinatorial Group Theory, (iii) Derivations and Commutativity of rings

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	10
M.Phil.	-	13

Honours/Distinctions

Prof. B.K. Dass: Chairman, National Committee of India Mathematics, 2009.

President, Math. Sc. Section of Indian Science Congress Assoc. 2008-09.

Prof. Ajay Kumar: DFG (German Research Foundation)/(Indian National Science Academy).

Fellowship at Fachbereich Mathematik, Freie Universitat, Berlin, Germany. 14 May 2008-10 August 2008. Worked with Prof. H. Begehr on Bianalytic functions on upper half plane.

Prof. R.K. Mohanty: DFG (German Research Foundation)/(Indian National Science Academy).

Fellowship at Dresden Universitat of Technology, Germany, 1 June-31 August 2008. Worked with Prof. Christian Grossman on Singular Perturbation Problem.

Seminars/Conferences held

Pre-ICM International Convention on Mathematical Sciences, 18-20 December 2008.

Advance Training Programme for Mathematics Lecturers (National), sponsored by NBHM, 'Complex Analysis', 16 March-4 April 2009.

National Seminar on 'Analysis' on 30 March 2009.

Seminars/Conferences attended

B.K. Dass: Invited talk at Int. Conference at University of Memphis, USA in May, 2008

S.C. Arora: Invited talk at Allahabad University, Banaras Hindu University, Jamia Millia Islamia, 2008-09.

Ajay Kumar: Invited talk at Freie Universitat, Berlin, Germany, 2008.

Invited talk at Jammu Mathematical Society, 2009.

C.S. Laitha: Invited talks at Banaras Hindu University, Banasthali University, Indian Institute Kanpur, Dravidian University.

Publications

Arora, S.C. and Kalucha, G. 2008. 'Quasihyponormal Toeplitz operators'. *J. Operator Theory*, (59)1: 69-80.

Arora, S. C. and Bhola, J. 2008. 'k th-order slant Hankel operators', *Math. Sci. Res. J.* (12) 3: 53-63.

2008.'Generalized essentially slant Hankel operators'. *Int. J. Pure Appl. Math.*, 47: 165-73.

Arora, S.C. and Kalucha, G. 2008. 'Retraction of: "Quasihyponormal Toeplitz operators" [*J. Operator Theory* 59 2008, no. 1, 69-80, MR2404465]. *J. Operator Theory*, 60(2): 445.

Arora, S. C., Datt, G. and Verma, S. 2008. 'Multiplication and composition operators on Lorentz-Bochner spaces'. *Osaka J. Math.*, 45: 629-41.

Arora, S. C. and Bhola, J. 2008. 'Essentially slant Hankel operators'. *Bull. Malays. Math. Sci. Soc.*, 2(31): 165-73.

2009. 'Essentially slant Toeplitz operators'. *Banach J. Math. Anal.*, 3: 1-8.

Arora, S.C., Datt, G. and Verma, S. 2009. 'Operators on Lorentz sequences spaces'. *Math. Bohem.*, 134: 87-98.

Dass, B.K., Garg, P. and Zannetti, 2008. 'Mauro On repeated burst error detecting and correcting codes'. *East-West J. Math.*, 79-98.

Dass, B.K. and Verma, R. 2008. 'Repeated Burst Error Correcting Linear Codes'. *Asian-European Journal of Mathematics*, 1: 303-35.

Dass, B.K. and Kumar, P. 2009. 'On perfect-like binary and non-binary linear codes-A brief survey'. *Bull. Malays. Math. Sci. Soc.*, 32: 187-210.

Singh, T. B. and Singh, H.K. 2008. Fixed point free involution on cohomology projective spaces', *Indian J. Pure and Applied Math.*, 39: 285-91.

- Kumar, A. and Prakash, R. 2008.** 'Neumann and Mixed boundary value problem'. *Journal of Applied Functional Analysis*, 3: 399-417 (USA). Mathematical Reviews 2387470(2009a:30096), Zentralblatt fur Mathematik 1165.30026.
2008. 'Dirichlet problem for Inhomogeneous Polyharmonic equation', *Complex Variables and Elliptic Equations*, 53: 643-51 (USA). Mathematical Reviews 2431345 (2009i : 31003), Zentralblatt fur Mathematik 159.31302.
- Jain, R. and Kumar, A. 2008.** 'Operator space tensor product of C*-algebras'. *Mathematische Zeitschrift*, 260: 805-11 (Germany). Mathematical Reviews 2443331(2009i:46098), Zentralblatt fur Mathematik 1165.46030.
- Kumar, A. and Mishra, M.M. 2008.** 'Polyharmonic Dirichlet problem on the Heisenberg group'. *Complex Variables and Elliptic Equations*, 53: 1103-10. (USA). Mathematical Reviews 2467385 Zentralblatt fur Mathematik pre 05382382.
- Chaudhary, A. and Kumar, A. 2009.** 'Boundary value problems in the upper half plane'. *Complex Variables and Elliptic Equations*, 54(5): 441-8 (USA). Zentralblatt fur Mathematik pre 05569678.
- Kumar, A. and Prakash, R. 2009.** 'Mixed boundary value problem for inhomogeneous Poly-analytic-harmonic equation, More Progress in Analysis'. Proceedings of the 5th International ISAAC Congress, Catania. (Ed.), Begehr, H. and Niolesi, F., World Scientific, Singapore, pp. 1149-61.
- Gupta, V. and Chaudhari, J.N. 2008.** 'Characterization of weakly prime subtractive ideals in semirings'. *Bulletin Institute of Maths.Acad.Sinica*, 3: 347-52.
- Mohanty, R.K. and Singh, S. 2008.** 'A New High Order Two Level Implicit Discretization for the Solution of Singularly Perturbed Three Space Dimensional Non-linear Parabolic Equations', *International Journal of Numerical Analysis and Modelling*, 5: 40-54.
- Mohanty, R.K. 2008.** 'A Two-level Implicit Non-uniform Mesh Cubic Spline Method of $O(k^2 h_l^{-1} + kh_l + h_l^3)$ for the Parabolic Equation $\varepsilon u_{xx} = \phi(x, t, u, u_x, u_t)$ ', *Neural Parallel and Scientific Computations*, 16: 449-66.
- Mohanty, R.K., Khosla, N. and Ojha, A.K. 2008.** 'Arithmetic Average Discretization and Two-step BLAGE Iterative Method for the Solution of Elliptic Partial Differential Equations', *Computing Letters*, 4: 79-90.
- Mohanty, R.K. and Jain, M.K. 2009.** 'High Accuracy Cubic Spline Alternating Group Explicit Methods for 1D Quasi-linear Parabolic Equations', *International Journal of Computer Mathematics*, 86: 1556-71.
- Jha, N., Mohanty, R.K. and Mishra, B.K. 2009.** 'Alternating Group Explicit Iterative Method for Non-linear Singular Fredholm Integro-differential Boundary Value Problems', *International Journal of Computer Mathematics*, 86: 1645-56.

- Mohanty, R.K. 2009.** 'New Unconditionally Stable Difference Schemes for the Solution of Multi-dimensional Telegraphic Equations', *International Journal of Computer Mathematics*.
- Khattar, D., Mohanty, R.K. and Bansal, S. 2009.** 'Asymptotic Stability of an Expanding Bubble in the Rayleigh-Plesset Model', *International Journal of Applied Mathematics*, 22: 205-9.
- Mohanty, R.K. 2009.** 'A Variable Mesh C-SPLAGE Method of Accuracy for 1D Nonlinear Parabolic Equations', *Applied Mathematics and Computations*, 213: 79-91.
- Mohanty, R.K. and Dhall, D. 2009.** 'Third order accurate variable mesh discretization and application of TAGE iterative method for the non-linear two-point boundary value problems with homogeneous functions in integral form', *Applied Mathematics and Computations*.
- Khattar, D., Mohanty, R.K. and Bansal, S. 2009.** 'Chaos in a Class of Non-linear Differential Systems', *International Journal of Contemporary Mathematical Sciences*, 4: 1043-48.
- Jain, S. and Choi, Seul Hee. 2008.** 'Construction of m -metric array codes detecting and correcting CT-burst array errors'. *Asian-Eur. J. Math.*, 1: 589-617.
- Jain, S. and Lee, K.S. 2008.** 'A note on the correction of clustered errors with limited intensity in Euclidean codes'. *J. Algebra Discrete Struct.*, 6(1): 53-61.
- Jain, S. 2008.** 'An algorithmic approach to achieve minimum ρ -distance at least d in linear array codes'. *Kyushu J. Math.*, 62(1): 189-200.
- 2008.** 'On the generalized-Lee-RT-pseudo-metric (the GLRTP-metric) array codes correcting burst errors'. *Asian-Eur. J. Math.* 1(1): 121-30.
- 2008.** 'Simultaneous random error correction and burst error detection in Lee weight codes'. *Honam Math. J.*, 30(1): 33-45.
- 2008.** 'CT bursts--from classical to array coding'. *Discrete Math.*, 308(9): 1489-99.
- Ali, R.N., Ravichandran, V. and Seenivasagan, N. 2008.** 'Differential subordination and superordination associated with Schwarzian derivatives', *Journal of Inequalities and Applications*, 12:123-39.
- Maisarah Haji Mohd, Rosihan M. Ali, Lee See Keong and V. Ravichandran, 2009.** 'Subclasses of Meromorphic Functions Associated with Convolution', *Journal of Inequalities and Applications*, Article ID 190291, 10 pp.
- Lalitha, C.S. and Bhatia, G. 2009.** 'On Well-Posedness for Variational Inequality Problems with Generalized Monotone Set-Valued Maps', *Numerical Functional Analysis and Optimization*, 30(5-6): 1-18.
- Lalitha, C.S.** 'A New Augmented Lagrangian Approach to Duality and Exact Penalization, *Journal of Global Optimization*, DOI 10.1007/s10898-009-9420-4.

Lalitha, C.S. and Bhatia, G. 2009. 'Duality in e-Variational Inequality Problems, Journal of Mathematical Analysis and Applications, DOI: 10.1016/j.jmaa.2009.02.041.

Lalitha, C.S. and Mehta, M. Characterizations of Solution Sets of Mathematical Programs in Terms of Lagrange Multipliers, *Optimization*, 10.1080/02331930701763272.

Ambethkar, V. 2008. 'Numerical solutions of magneto-hydrodynamic flow past a sphere at high Reynold numbers', *Canadian J. Physics*, 86: 1443-7.

2008. 'Numerical solutions of an impact of Natural Convection on MHD Flow past a Vertical Plate with suction or injection', *J. Korean Soc. Industrial Applied Math.*, 12: 201-8.

2008. Numerical solutions of heat and Mass Transfer effects of an unsteady MHD Free convective flow past an vertical plate with constant sunction', *J. Naval Arctechiture and Marine Engineering*, 5: 28-36.

2009. 'Numerical solutions of heat and Mass Transfer effects of an unsteady MHD Free convective flow past an vertical plate with constant sunction and heat source or sink'. *Int.J.Appl.Math.Mech.*, 5: 86-115.

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 started M.Sc. Computer Science in the academic year 2004-05, in which the students took up research and development projects in their 3rd and 4th semesters. The Department is making an effort to establish itself as a centre of excellence in research. At present the Department has about 32 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.

In the period 1 April 2008 to 31 March 2009 the Department has published 25 research papers in reputed National/International Journals/Conferences.

Ph.D. Degrees awarded

Ph.D. - 2

Research Scheme

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Survey and Analysis of Software Development and Software Development Methodologies and Collaborative tools used in Offshore outsourced projects.	Mrs. Vidya Kulkarni	UGC

Seminars/Conferences held

Technical Seminar on 'Collaborative Attacks on Wireless Ad hoc Networks' by Prof Bharat Bhargava, Purdue University, USA, on 3 November 2008, organised by Neelima Gupta.

Technical Seminar on 'Data Structures and algorithms for packet forwarding and classification' by Prof. Sartaj Sahni, University of Florida, USA, on 26 December 2008, organised by Neelima Gupta

Technical presentation by Adhar Mittal

August 2008: 'Open Source : Technology Induction'

September 2008: 'Open Solaris: Open Solaris Introduction'

November 2008: 'Netbeans: The only IDE you need'

December 2008: 'Code for freedom' by Ms. Komal Pal, Sun Microsystems,

January 2009: 'Netbeans: Desktop Applications for Netbeans 6.0'

February 2009: 'MySQL: Getting Started with MySQL and Storage Engines'

February 2009: 'MySQL Storage Engines: MyISAM and InnoDB'

March 2009: 'Web Design Basics with Netbeans'.

Seminars/Conferences attended

Vidya Kulkarni: International Conference on Global Software Engineering (ICGSE 2008), Bangalore, India, August 2008.

'International Conference on Software Engineering Education and Training (CSEET 2009)', Hyderabad, India, 17-19 February 2009.

Neelima Gupta: XXVIII International Conference of Foundations of Software Technology and Theoretical Computer Science, Bangalore, 9-11 December 2008.

International Conference on High Performance Computing held in Bangalore, India, 18-20 December 2008.

MSR India Theory Day, 17 December 2008.

Vidya Kulkarni: Indian Software Engineering Conference (ISEC 2009), Pune, India, 23-26 February 2009.

Punam Bedi: Seminar on 'Adobe Creative Suite 4 - The Grand Unveil', Essex Farm (P) Ltd., Aurobindo Marg, Hauz Khas, New Delhi, 12 November 2008.

IBM Rational Software Development Conference, Hotel Hyatt Regency, New Delhi, 28 August 2008.

Drona – Partner Summit (Industry – Academia interface workshop), organised by IBM, The Ambassador Hotel, New Delhi, 20 August 2008.

SAARC Workshop on Empowering SAARC Countries through ICT, organised by IIIT Allahabad, supported by DST and Ministry of External Affairs, Hotel Ashok, New Delhi, 21-22 May 2008.

S.K. Muttoo: Information Security in National Seminar at BGBS (J&K), December 2008.

Chaired a session in CSIR, MIT, CSI approved National Conference on Computing for National Development, BVICAM Delhi, February 2009.

Students:

S.K.Pal, Sakshi Dhall and Sevekriti Sharma, 2009. 'Improved Media Security using customized standard Encryption schemes', in IEEE International Advance Computing Conference (IACC'09), Thapar University, Patiala.

2009. 'Design of Lightweight Algorithms for Media Security', in International Conference on Data Management, organised by IMT Ghaziabad.

S.K. Pal, Varun Bhatia, Rajat Kumar and Diwakar Bharadwaj, 2009. 'A New Cryptographic Hash Function Based on Latin Squares and Non-Linear Transformations', in IEEE International Advance Computing Conference (IACC'09), Thapar University, Patiala.

S.K. Pal, Shivam Kapoor, Alka Arora, Reshu Choudhary and Jatin Khurana, 2008. 'Design of Strong Cryptographic schemes based on Latin Square', in Pre-ICM International Convention on Mathematical Sciences, Delhi University.

Students of the department participated in the following technical festivals and won the best team prizes besides lot of other prizes:

Microsoft's IMAGINE CUP: A team from our Department made it to the top 3 at Imagine Cup India Nationals and also bagged a 14 day course at IIM-Ahmedabad. Imagine Cup is a competition by Microsoft where students create innovative solutions based on some theme. The panel of judges in the nationals included Mr. Kiran Karnik (Past President of NASSCOM), Prof. Samir Barua (Director of IIM-Ahmedabad), and Dr. Gopichand Katragadda (GM - Operations, GE Global Research Bangalore).

SUN Microsystems' REVIEW CONTEST: Two of our teams participated in the GlassFish and MySQL Student REVIEW CONTEST organised by Sun Microsystems. It asked students to demonstrate their skills at developing applications using this platform in

this global competition. Demonstrating adeptness with the technologies and a penchant for innovation, both participants from our Department were awarded 2nd position in their respective categories and prizes worth \$250 each.

Technical Fests of other Universities: Teams from the Department actively participated and won the Team Trophy at the technical fests organised by Jamia Milia Islamia, Jawahar Lal Nehru University, and Institute of Informatics and Communication, Delhi University. The technical fest included many technical events like short-term programming, overnight programming, debugging, website development, software/paper presentations, and algorithm design with a blend of non-techies like quizzes, turn court, antakshari and dumb charades. The team from our Department competed against teams of reputed institutes like IIT Roorkee, JNU, Jamia Milia Islamia, Jamia Humdard, IUST, USIT (GGSIPU), IIC (DU) and the likes.

NERDZ @ JAMIA HUMDARD: The winning team grabbed including five 1st prizes, four 2nd prizes and three 3rd prizes. The event was organised on 7-8 November 2008.

TECHNOPHILIA @ JNU: The winning team grabbed a total of 8 prizes out of 14 events, including two 1st prizes, five 2nd prizes and one 3rd prize. Other teams from the Department also won four 1st prizes in several technical and non-technical events. The event was organised on 17-18 January 2009.

ENVISAGE @ IIC (DU): The winning team at the Institute of Informatics and Communication (IIC), Delhi University, grabbed a total of 9 prizes in all including six 1st prizes, two – 2nd prizes and one 3rd prize. Other teams from the Department also won five 1st prizes, three 2nd prizes and one 3rd prize. The event was organised on 28 February – 1 March 2009.

Apart from the above-mentioned institutes, the members from DUCS won:

Coding, Quiz, Extempore and Treasure Hunt at Maharaja Surajmal Institute, GGSIPU.

Short-term programming event at Hindu College, Delhi University.

Paper presentation and Debate at University School of Information and Technology (GGSIPU).

Paper presentation at Gargi College.

Debate at Bhartiya Vidyapeeth College.

IT Quiz at Indraprastha College, Delhi University.

IT Quiz in Miranda House, Delhi University.

Group Discussion at Amity.

LAN Gaming Event in Sri Ram College of Commerce, Delhi University.

Publications:

Researches Articles in Books or Scholarly Journals:

Gupta, N. and Khurana, S. 2008. 'SEEEP: Simple and Efficient End-to-End Protocol to secure Ad Hoc Networks against Wormhole Attacks', Proceedings of International Conference on Wireless and Mobile Communications, ICWMC, IEEE, Greece.

2008. 'FEEEPVR: First End-to-End Protocol to secure Ad Hoc Networks of Variable Range against Wormhole Attacks', Proceedings of International Conference on Engineering Security Information, Systems and Technologies, SECURWARE, IEEE, France.

Gupta, N. and Aggarwal, S. 2008. 'MIBiClus: Mutual Information based. Biclustering Algorithm', Proceedings of World Academy of Science, Engineering and Technology, Vol 30.

2008. 'MIB: Using Mutual Information for Biclustering High Dimensional Data IADIS', European Conference of Data Mining, the Netherlands.

2008. 'SISA: Seeded Iterative Signature Algorithm for Biclustering Gene Expression data IADIS', European Conference on Data Mining, the Netherlands.

Grover, G., Gaspayle, A.K., Kulkarni, V. and Datta, R. 2008. 'Expected Time Between First Two Consecutive Heart Attacks based on Counter Theory'. *Journal of Indian Academy of Clinical Medicine*, 9(4), October-December 2008.

Kulkarni, G. and Neak, Scharff. 2008. 'Working Across Borders: Overcoming Culturally-Based Technology Challenges in Student Global Software Development', 21st Conference on Software Engineering Education and Training (CSEET 2008), Charleston, South Carolina, USA, 14-17 April 2008. Sponsored by IEEE Computer Society.

Gotel, Kulkarni, Phal, Say, Scharff, Sunetnanta, Touch. 2008. 'Quality-Driven Competition: Uniting Undergraduates, Graduates and Professionals on Global Software Development Projects', Workshop on 'The Roles of Student Projects and Work Experience in Undergraduate and Taught Postgraduate Programmes', 21st Conference on Software Engineering Education and Training (CSEET 2008), Charleston, South Carolina, USA, 14-17 April 2008. Sponsored by IEEE Computer Society.

Gotel, Kulkarni, Neak, and Scharff. 2008. 'Students as Partners and Students as Mentors: An Educational Model for Quality Assurance in Global Software Development', 2nd Conference on Software Engineering Approaches For Offshore and Outsourced Development (SEAFOOD 2008).

Gotel, Kulkarni, Phal, Say, Scharff and Sunetnanta. 2008. 'Evolving an Infrastructure for Engineering, Communication, Project Management and Socialization to Facilitate Student Global Software Development Projects'. First International Workshop on Infrastructure for Research in Collaborative Software Engineering (IReCoSE) at FSE 2008, Atlanta, Georgia, USA, 9 November 2008.

- Gotel, O., Kulkarni, V. and Scharff, C.** 'Instructor or Project Manager: What is the Right Balance as Software Engineering Education Goes Global?' Proceedings of the IEEE Conference on Frontiers in Education (FIE 2008), Saratoga Springs, USA, 25-27 October 2008.
- Gotel, O., Scharff C., Wildenberg A., Bousso M., Bunthoeurn C., Des P., Kulkarni V, Palakvangsa S., Sarr C and Sunetnanta T. 2008.** 'Global Perceptions on the Use of WeBWork as an Online Tutor for Computer Science', Frontiers in Education 2008, 22-25 October 2008, NY. Sponsored by IEEE.
- Kanika Shridhar, Vidya Kulkarni and Richa Garg, 2008.** 'Query Processing and Optimization in Genomic Database dbSNP: A case Study', International Conference On Quantitative Methods, Operations and Information Technology, IBS Hyderabad, October 2008.
- Gotel, Kulkarni, Phal, Say, Scharff and Sunetnanta. 2008.** 'Impacting Global Software Development Through Socialization Activities in Virtual World Environments'. Proceedings of the Second Hanoi Forum on Information-Communication Technology (ICT-Hanoi), Hanoi, Vietnam, 10-12 December 2008. *VNU Journal of Science, Natural Sciences and Technology*.
- Garg Richa, Shridhar Kanika and Kulkarni, Vidya. 2009.** Generic Genome Browser- A Mediator Tool for Data Conversion/Integration', ICDM 2009, Second International Conference on Data Management 10-12 February 2009, IMT Ghaziabad.
- Gotel, Kulkarni, Neak Scharff. 2008.** 'Integration Starts on Day One in Global Software Development Projects', International Conference on Global Software Engineering (ICGSE 2008), Bangalore, India, August 2008.
- Gotel, Kulkarni, Say, Scharff and Sunetnanta. 2009.** 'A Global and Competition-based Model for Fostering Technical and Soft Skills in Software Engineering Education'. Proceedings of International Conference on Software Engineering Education and Training (CSEET 2009), Hyderabad, India. 17-19 February 2009, sponsored by IEEE Computer Society and SIGSE-CSI.
- Gotel, Kulkarni, Phal, Say, Scharff and Sunetnanta. 2009.** 'Evolving an Infrastructure for Engineering, Communication, Project Management and Socialization to Facilitate Student Global Software Development Projects'. Proc. of the Indian Software Engineering Conference (ISEC 2009), Pune, India, 23-26 February 2009. Sponsored by SIGSE-CSI and SIGsoft-ACM.
- Muttoo, S.K. and Kumar, S. 2009.** 'Data Hiding in JPEG Images'. 1(1): 13-16.
- Bedi, P. and Gaur, V. 2008.** 'Trust based Prioritization of Quality Attributes', *The International Arab Journal of Information Technology*, Jordan, Print ISSN: 1683-3198, 5(3), July 2008.
- Bhatnagar, V. Kaur, and S. Kochhar. 2009.** 'Towards Characterization of the Data Generation Process'. Innovative Applications in Data Mining, pp. 83-105, *Studies in Computational Intelligence (Book Series)*, Berlin/Heidelberg: Springer.

Bhatnagar, V. and Kochhar, S. 2008. 'Association Rule Mining, *Encyclopedia of Artificial Intelligence*, Eds. Dopico, Dorado and Pazos. Information Science Reference, IGI Global, pp. 172-8.

Bhatnagar, V., Gupta, A. and Kumar, N. 2008. 'Algorithms for Association Rule Mining', *Encyclopedia of Artificial Intelligence*, Eds. Dopico, Dorado and Pazos. Information Science Reference, IGI Global, pp. 76-84.

Bhatnagar, V., Kaur S. and Mignet, L. 2009. 'A Parameterized Framework for Stream Clustering Algorithms', *Int'l Journal for Data Warehousing and Mining*, 5(1): 36-56.

OPERATIONAL RESEARCH

Major Activities

The Department of Operational Research is a key educational and research unit of Delhi University. The thrust of the Department, besides regular teaching and research, is to have greater industry interaction to make industry informative and reactive to the subject of Operational Research.

Seminars are being regularly organised in the Department wherein industry leaders/managers share their decision-making problems and experiences with students and faculty. The curriculum of the Department is regularly updated to meet the challenges of complex decision making in the business environment.

Research in the Department is targeted towards meeting the challenges of the information-driven, process-oriented competitive industrial environment. Faculty research in the Department is aimed at exploring fundamentals and applications in the following broad areas:

(i) Mathematical Programming, (ii) Software and Hardware Reliability, (iii) Queueing Theory, (iv) Inventory Management, (v) Marketing Engineering, (vi) Optimization, (vii) Supply Chain Management, (viii) Soft Computing.

In most instances, research is conducted in multi-disciplinary application areas. Faculty members have published a number of papers in journals of national and international repute and delivered invited talks at various forums in their respective areas.

Ph.D./M.Phil. Degrees awarded

Ph.D.	:	3
M.Phil.	:	11

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Software Reliability Growth Model using Stochastic Differential Equations.	Prof. P.K. Kapur	ER and IPR, DRDO.
On the Development of Generalised Discrete Unified Framework for Software Reliability Growth Models.	Prof. P.K. Kapur	ER and IPR, DRDO.

Seminars/Confereces held

Prof. P.K. Kapur: Invited as Chief Guest to deliver Valedictory Address in 3rd National Conference on Computing for Nation Development, INDIACoM-2009, Bharati Vidyapith's Institute of Computer Applications and Management, New Delhi, 26-27 February 2009.

Secretary, International Workshop on 'Emerging Frameworks and Issues of Scientific and Technical Recruitments', sponsored by DRDO, Oberoi Maidens, Delhi, 17-20 September 2008.

Seminars/Confereces attended

Prof. P. K. Kapur: Delivered Invited talk on 'General Framework for Software Reliability Assessment', International Conference on New Trends in Statistics and Optimization, in conjunction with the XXVIII Annual Convention of ISPS, University of Kashmir, Srinagar, 20-23 October 2008.

Participated and Chaired a session in International Conference on Operational Resaerch for Growing Nation, in conjunction with 41st Annual Convention of ORSI, Tirupati, Andhra Pradesh, 15-17 December 2008.

Dr. Chandra K. Jaggi: Delivered Invited Talk on 'Inventory Modeling in the Present Scenario' and Chaired a contributed session in National Conference on Recent Trends in Advanced Computing, K.L.N. College of Information Technology, Madurai, T.N., 10 -11 April 2008.

Dr. Chandra K. Jaggi, Dr. P.C. Jha and Dr. K.K. Aggarwal: Attended International Workshop on 'Emerging Frameworks and Issues for S and T Recruitments', organised by Society for Reliability Engineering, Quality and Operations Management, 17-20 September 2008.

Dr. P.C. Jha: Delivered Invited talk on 'Innovation Diffusion Models: An Overview and Future Directions', International Conference on New Trends in Statistics and Optimization in conjunction with the XXVIII Annual Convention of ISPS, University of Kashmir, Srinagar, 20-23 October 2008.

Participated and Chaired a session in International Conference on Operational Research for Growing Nation, in conjunction with XLI Annual Convention of ORSI, Tirupati, Andhra Pradesh, 15-17 December 2008.

Dr. Pankaj Gupta: Delivered Invited Talks on 'Analytic Hierarchy Process and Its Applications' and 'Portfolio Optimization', in Advanced Training Programme on Nonconvex Optimization and its Applications, DST-CENTRE for Interdisciplinary Mathematical Sciences, Banaras Hindu University, Varanasi, 22-26 March 2009.

Publications

Books

Kapur, P.K. 2008. Contributed a chapter 'On the Development of Discrete Software Reliability Growth Models' in Misra, K.B. (ed.). *Handbook of Performability Engineering*, Springer.

Research Articles in Books

Kapur, P.K., Khatri, S. and Basirzadeh, M. 2009. 'Assessing Software Reliability Growth with Different Combinations For Distributed Environment using ANN Approach', III National Conference on Computing For Nation Development, INDIACoM-2009, Bharati Vidyapith's Institute of Computer Applications and Management. New Delhi, pp. 377-86,

Jha P.C., Vaid, Shivani and Kapur, P.K. 2009. 'Optimal Component Selection For Fault Tolerance COTS Based Software Under Consensus Recovery Block Scheme', III National Conference on Computing For Nation Development, INDIACoM-2009, Bharati Vidyapith's Institute of Computer Applications and Management. New Delhi, pp. 387-90.

Kapur, P.K., Johri P. and Singh, O. 2009. 'Modeling Software Reliability Growth in Distributed Environment Using Unified Approach', III National Conference on Computing For Nation Development, INDIACoM-2009, Bharati Vidyapith's Institute of Computer Applications and Management. New Delhi, pp. 397-402.

Kapur, P.K., Handa, S.S., Kumar, D. and Jha, P.C. 2009. 'On the Development of Flexible Discrete SRGM with Two Types of Imperfect Debugging', III National Conference on Computing For Nation Development, INDIACoM-2009, Bharati Vidyapith's Institute of Computer Applications and Management. New Delhi, pp. 403-12.

Kapur, P.K., Anand, S. and Singh, V.B. 2009. 'Distribution Based Change-Point Problem with Two Types of Imperfect Debugging in Software Reliability', III National Conference on Computing For Nation Development, INDIACoM-2009, Bharati Vidyapith's Institute of Computer Applications and Management. New Delhi, pp. 413-8.

Aggarwal, G. A., Kumar, R. and Kapur, P.K. 2009. 'A New Approach For Developing Testing Effort Dependent Software Reliability Growth Models', III National Conference on Computing For Nation Development, INDIACoM-2009, Bharati Vidyapith's Institute of Computer Applications and Management. New Delhi, pp. 425-32.

Kapur, P.K., Johri, P. and Kumar, R 2008. 'Testing Effort Dependent Software Reliability Growth Model for a Distributed Environment using Debugging Time Lag Functions', International Conference on New Trends in Statistics and Optimization in conjunction with the XXVIII Annual Convention of ISPS, University of Kashmir, Srinagar.

Kapur, P.K., Basirzadeh, M. and Khatri, S.K. 2008. 'Neural Network Approach for Assessment Reliability Growth of Software for Distributed Environment', International Conference on New Trends in Statistics and Optimization in conjunction with the XXVIII Annual Convention of ISPS, University of Kashmir, Srinagar.

Research Articles in Scholarly Journals

Agarwal, M. and Aggarwal, S. 2008. A heuristic approach to optimal redundancy allocation in complex systems. *Journal of Mathematical Sciences*, New Series. 3-7: 9-25.

Agarwal, M., Sen, K. and Borkakaty, B. 2008. 'Lattice path approach to busy period density of queueing system $C_2/C_2/1$ '. *International Journal of Operational Research*. 3(5): 575-603.

Bao, T.Q, Gupta, P. and Mordukhovich Boris S. 2008. 'Suboptimality conditions for mathematical programs with equilibrium constraints'. *Taiwanese Journal of Mathematics*, Mathematical Society of the Republic of China, 12(9): 2569-92.

Damodaran, D., Gopal, G. and Kapur, P.K.2008. 'Empirical bayesian software reliability model using rayleigh distribution'. *Opsearch*, Operational Research Society of India Journal, 45(4): 381-90.

Gupta, P., Mehlawat, M.K. and Saxena, A. 2008. 'Asset portfolio optimization using fuzzy mathematical programming', *Information Sciences*, Elsevier. 178(6): 1734-55.

Jaggi, C.K. and Khanna, A. 2009. 'An integrated production-inventory-marketing model under inflationary conditions for deteriorating items'. *International Journal of Applied Decision Sciences*, 1(4): 435-54.

Jaggi, C.K. and Khanna, A. 2009. 'The retailer's procurement policy with credit-linked demand under inflationary conditions'. *International Journal of Procurement Management*, 2(2): 163-79.

Jaggi, C.K. and Verma, P. 2008. 'Joint optimization of price and order quantity with shortages for a two-warehouse system'. *TOP*, Spain. 16: 195-213.

Jaggi, C.K., Aggarwal, K.K. and Verma, P. 2008. 'Two-warehouse inventory model when demand is price sensitive'. *Indian Journal of Mathematics and Mathematical Sciences*, 4(1): 117-29.

Jaggi, C.K., Goyal, S.K. and Goel, S.K. 2008. 'Retailer's optimal replenishment decisions with credit linked demand under permissible delay in payments'. *European Journal of Operational Research*, 190(1): 130-5.

Jha, P.C., Gupta, A., Kapur, P.K. and Gupta, D. 2008. 'Release time decision policy of software employed for the safety of critical system under uncertainty'. *Opsearch, Operational Research Society of India Journal*, 45(3): 209-24.

Kapur, P.K., Jha, P.C. and Kumar, D. 2009. 'Software reliability growth model with different learning functions for fault detection and correction process'. *Communications in Dependability and Quality Management*, 12(1): 11-23.

Kapur, P.K, Kumar, J. and Kumar, R. 2008. 'A unified modeling framework incorporating change-point for measuring reliability growth during software testing'. *Opsearch, Operational Research Society of India Journal*, 45 (4): 317-34.

Kapur, P.K., Khatri, S.K. and Basirzadeh, M. 2008. 'Software reliability assessment using artificial neural network based flexible model incorporating faults of different complexity'. *International Journal of Reliability, Quality, and Safety engineering, USA (IJRQSE)*, 15(2): 113-27.

Singh, O.P., Singh, V.B., Kumar, J. and Kapur, P.K. 2009. 'Generalized framework for fault detection–correction process incorporating change-point'. *Communications in Dependability and Quality Management*, 12(1): 35-46.

Srivastava, P.W. and Shukla, R. 2008. 'A log-logistic step-stress model'. *IEEE Transactions on Reliability*, 57(3): 431-4.

2008. 'Optimum log-logistic step-stress model with censoring'. *International Journal of Quality and Reliability Management*, 25(9): 968-76.

STATISTICS

Major Activities

The Department of Statistics, which primarily focuses on three degree-oriented academic programmes, viz. M.A./ M.Sc., M.Phil. and Ph.D., pursues, at the M.A./M.Sc. level, a syllabus that incorporates and embodies topical, emerging and core areas embracing and encompassing diverse facets of statistical science. It is undertaking, conducting and bringing out research work in a variety of statistical fields. The Department provides the latest computing facilities via its two well-equipped, fully computerized laboratories which are geared to cater to the needs and requirements of the students and researchers. The Department has organised from time to time special invited talks by eminent persons from India and abroad. Distinguished professors from abroad visited the Department to deliver research talks and interact with the faculty and students. The Department has, via its 'Summer Training' and 'Campus Placement' programmes, achieved tangible success in tapping opportunities to pave the way for suitable placement of its students with attractive salary packages in reputed national and international companies/organisations.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	4
M. Phil.	-	8

Research Schemes

Dr. Ajit Chaturvedi: A research project on 'Inferential Procedures for Stress-Strength Reliability for Some Continuous and Discrete Probabilistic Models' (supported by the Delhi University) was undertaken.

Seminars/Conferences attended

Dr. Ajit Chaturvedi: Presented on invited talk, 'Bayesian life test planning for a family of lifetime distributions: Some approximate solutions', at the Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries, Deen Dayal Upadhyay College, Delhi University, 26-28 September 2008. Also chaired a session.

Dr. (Mrs.) Poonam Singh: Talk titled 'Uniform design for mixture experiments', at Pre-ICM International Convention on Mathematical Sciences, Delhi University, 18-20 December 2008.

Publications

Aggarwal, M.L., Singh, P., Sarin, V. and Husain, B. 2008. 'Optimal Orthogonal Designs in two Blocks based on F_squares for Darroach and Waller's Quadratic Models in four components'. *Statistics and Applications*, 6: 242-54.

Agrawal, M.C. and Sthapit, A.B. 2009. 'Choosing between ratio and product estimators for the same data set'. *Journal of Probability and Statistical Science*, 7(1): 81-90.

Agrawal, M.C. and Senapati, S.C. 2009. 'Efficient estimation in post-stratification under optimal and non-optimal conditions'. *Journal of Indian Society of Agricultural Statistics*, 63: 1.

Bhatnagar, V., Kaur, S. and Chaturvedi, A. 2008. 'Gradation framework for anomaly detection in streams'. *ISAST Transactions on Intelligent Systems*, 1(1): 55-63.

Grover, Gurprit, Godpayle, A.K., Kulkarni, V. and Dutta, R. 2008. 'Expected time between first two consecutive heart attacks based on counter theory'. *Journal of Indian Academy of clinical medicine*, 9(4): 277-81, ISSN 0972-3560.

Grover, Gurprit, Pensi, Tripti, Godpayle, A.K. and Banerjee, T. 2008. 'Evaluation of the WHO clinical Case definition of AIDS among Children in India'. *Journal of Communicable Diseases*, 40(1): 5-11, ISSN 0019-5138.

Saran, J. and Singh, S.K. 2008. 'Recurrence relations for single and product moments of K-th record values from linear-exponential distribution and a characterization'. *Asian Journal of Mathematics and Statistics*, 1(3): 159-64.

Saran, J. and Pandey, A. 2008. 'Estimation of parameters of a two-parameter rectangular distribution and its characterizations by k-th record values'. *Statistica*, 68(2): 1-12.

2009. 'Recurrence relations for marginal and joint moment generating functions of generalized order statistics from generalized exponential distribution'. *J. Applied Statist. Sci.* 17(1): 21-33.

2009. 'Recurrence relations for single and product moments of generalized order statistics from linear-exponential and Burr distributions'. *Journal of Statistical Theory and Applications*, 8: 41-9.

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.

Organising International Interfaces by FMS at Pondicherry.

Lectures by Hon'y Adjunct Prof. A.P.J. Abdul Kalam.

Visits of many dignitaries to the campus, including Nobel Laureates.

Participation of Faculty Members in Colloquiums in Harvard Business School.

Semester-wise hosting of International Students from France and Fullbright Prof. from USA.

Subscription to many e-journals, databases, purchase of laptops for all faculty members.

100% placement despite difficult market conditions.

Winning many awards in B-School Competitions, including International Awards.

Ph.D. Degrees awarded

Ph.D. - 5

Research schemes

Prof. Raghav Gaiha, 'Poverty, Nutrition, Natural disasters, Food Crisis, Rural institutions', Personal Research.

Prof. Madhu Vij: 'A Survey of Bankers' perception on E-Banking,' Delhi University.

'Forward rates as unbiased predictors of Future spot rates,' ICSSR.

Dr. Simrit Kaur: 'Agricultural Policies in India, 2006-2008', OECD, Paris.

Dr. Debadyuti Das: 'Supply Chain forecasting Model for improving Supply Chain Performance', Delhi University.

Dr. Monica Singhania: 'Income Tax governance Project', Delhi University.

Dr. Pankaj Sinha: 'Bayesian approach to Prediction', UGC.

Dr. Mala Sinha: 'Principal Mentor to www.kamyabology.com, Enhancing employability of youth and developing professional skills in working population'.

Dr. Amit Kumar Bardhan: 'Modelling the adoption of high technology products – The Indian perspective', UGC.

Dr. Kavita Singh: 'Impact of Emotional Intelligence on Organizational Work Life', UGC.
'Analyzing and Measuring Industry – University Linkage', Delhi University.

Programmes taken up involving inter-institutional collaboration

Dr. Pankaj Sinha: Taught statistical decision-making and forecasting to probationers of Indian Economics Service. Institute of Economic Growth.

Key speaker on Statistical evaluation of evidence and probability of guilt in training programme for Higher Judicial officers, National Institute of Criminology and Forensic Science.

Key speaker on Financial derivatives and forecasting in quality improvement programme for Management teachers, Management Development Institute, Gurgaon, IIM Lucknow, Noida Campus.

Delivered a series of lectures on quantitative analysis for management, Department of Business Economics, Delhi University (South Campus).

Taught Econometrics and Forecasting to M. Phil Students, V.V. Giri National Labour Institute, Noida.

Key speaker on Quantitative techniques in labour research in refresher courses.

Key speaker on Statistical decision making at MDP, organised by FMS for GAIL officers.

Key speaker on Capital investment decisions under Risk at MDP organized by FMS for GAIL officers.

Key speaker on Statistical decision making at MDP, organised by FMS for officers of Postal Department.

Key speaker on Revenue forecasting at MDP, organised by FMS for Indian Revenue officers.

Dr. Mala Sinha: Officer like qualities (OLQ) for executives trainees of GAIL, GTI, Noida.

People Skills in Hospitality Management – Understanding Self, Taj, Delhi.

People Skills in Hospitality Management – Team Building, Taj, Delhi.

People Skills in Hospitality Management – Stress Management, Taj, Delhi.

People Skills in Hospitality Management – Communication, Taj, Delhi.
People Skills in Hospitality Management – Leadership Development, Taj, Delhi.
Business Communication Skills for GAIL GTI, Noida.
Empowerment of Women for Work – Life Balance. GAIL GTI, Noida.
Corporate Communication, National Thermal Power Corporation, PMI, Noida.

Prof. Vijay Kapur: Journee France at FMS, Embassy of France.

Physical Appearance Conference, Delhi University.

Appointment of faculty members to higher Posts/Assignments

Prof. Raghav Gaiha: Member of a committee appointed by the Ministry of Rural Development, GOI, to suggest an alternative methodology for the BPL census.

Member of a committee appointed by the Planning Commission, Government of India, to review the poverty line.

Dr. Simrit Kaur: Invited as visiting Professor by Sapienza, University of Rome.

Dr. Mala Sinha: Re elected as the Area Representative for India in International Society for the Study of Work and Organizational Values (ISSWOV).

Member of the Ethics Committee at Fortis Flt. Rajan Dhall Hospital, Delhi.

Prof. Vijay Kapur Member, Research Council, IGNOU, New Delhi.

Member, Board Of Interdisciplinary and Transdisciplinary Studies, IGNOU, New Delhi.

Honours/distinctions

Prof. Raghav Gaiha: Invited as a keynote speaker at a conference organised by South East Asian Research Association, FAO, UNDP and IFAD on Food Security, Manila, July 2008; invited as a keynote speaker at a conference on Risk and Vulnerability, Australian National University, Canberra, 2 February 2009; participated in a conference on Climate Change, organised by the National Bureau of Economic Research, Cambridge, MA, May 2008; invited as a keynote speaker at the Beijing Policy Forum on Trade Liberalization, Growth and Poverty, jointly sponsored by FAO, the Chinese government and UNDP, March 2009.

Dr. Simrit Kaur: Invited by the Organization for Economic Cooperation and Development (OECD) to prepare a draft report on 'Agricultural Policies in India, 2006-2008'. The report was highly appreciated, which resulted in a repeat invitation to work on Government of India's Response to Deal with Rising Food Prices.

Dr. Mala Sinha: Member of the Jury Committee instituted to select GAIL Women Employees Award Scheme for 2008.

Awarded the Andrew Towl Endowment Fund by Harvard Business School, to participate in Global Colloquium on Participant Centered Learning, 2009.

Prof. Vijay Kapur: Palm de Academic, Government of Republic of France.

Prof. Madhu Vij: Member, Editorial Board of *Finance India*, Journal of Indian Institute of Finance, published since 1987.

Member, Editorial Advisory Board, *Asia Pacific Business Review*, Journal of Asia Pacific Management Institute, New Delhi.

Member of Academic Council, Indian Institute of Foreign Trade.

Member of the UG and PG Board of Studies in Commerce, M.D. University, Rohtak, for a period of two years.

Dr. Amit Kumar Bardhan: Received the BOYSCAST Fellowship from Department of Science and Technology, Government of India, to visit University of Texas at Dallas, USA, for one year.

Seminars/conferences held

Dr. Simrit Kaur: Invited to the OECD Global forum on Agriculture to discuss Agricultural Policies in India, held on 20-21 November 2008 at the OECD Headquarters in Paris, France.

Presented a paper titled 'Economic Freedom' at the 15th world congress of the International Economic Association held at Istanbul, Turkey, from 25-29 June 2008.

Paper titled 'Relationship between economic freedom and larger freedoms: An analysis of BRIC countries', presented at the Chinese Economists Society 2008 Annual Conference: New Phase of China's Economic Development held in Tianjin at Nankai University, China, 18-19 April 2008.

Presented a paper titled 'Social Safety Nets' at the Australia South Asia Research Centre's (ASARC) Workshop on Social Safety Nets in India: Effectiveness, Nutritional Impact and Political Economy, held at India International Centre, 12 December 2008.

Presented a paper titled 'Economic Freedom and Development: A case study of Orissa', at Bhubaneswar, Orissa, on 21 August 2008. This was at the invitation of the Rajiv Gandhi Foundation for Contemporary Studies.

Dr. Debadyuti Das: Presented a paper titled 'Forecasting passenger traffic movement of Lufthansa Airlines: A supply chain perspective', in the 12th Annual International conference of the Society of Operations Management, held at IIT Kanpur 19-21 December 2009.

Dr. Monica Singhania: Presented a research paper on 'Restructuring Remuneration Packages: Aligning with Fringe Benefit Tax', at International Conference on Asian Management Practices: People, Strategies and Evolutions, organised by IIM, Lucknow Noida Campus, 19-21 March 2009.

Dr. Pankaj Sinha: The future of Indian agriculture: Technology and Institutions, organised by Institute of Economic Growth, Delhi, 23-24 September 2008.

Dr. Mala Sinha, 2008: 'Aligning People Product and Processes – the A3 Model for Strategic Change and Development in Organizations'. 11th International Conference on Work values and social responsibilities in changing world: From being good to doing good, (ISSWOV) Singapore, 22-25 June 2008.

'The Colours of Beauty'. International Conference on Physical Attractiveness, Delhi University, 4-5 December 2008.

Dr. Amit Kumar Bardhan: Chaired a technical session in International Conference on Technology and Innovation in Marketing, Ghaziabad, 18-19 April 2008.

XII Annual International Conference of Society of Operations Management, Indian Institute of Technology, Kanpur, 19-21 December 2008.

16th Global Symposium on Project Management – 'At the center stage of economic development', New Delhi, 16-18 December 2008.

Dr. Kavita Singh: Presented a paper accepted for presentation on 'An Examination of the Relationship between Learning Organization and Culture: A Study of Information Technology Organizations in India', in Conference of Academy of World Business, Marketing and Management Development, Rio de Janeiro, Brazil, 14-17 July 2008.

Presented a paper on 'Enhancing Service Orientation through Emotional Intelligence – A Study of Health Professionals in a Government Hospital in Delhi, INDIA', in 4th European Conference on Management Leadership and Governance at University of Reading, UK, 27-28 November 2008.

Presented a paper on 'Facing Lighter-Darker Realities: Proposing Ways to Help', at Physical Appearance Conference 2008 held at Faculty of Management Studies, Delhi University, 4-5 December 2008.

Chairperson for the National Conference on Role of HR in Enhancing Business Competitiveness conducted by Steel Authority of India Ltd. for the session on 'Role of HR in cultivating a culture of creativity and innovation, multitasking cost leadership and Quality towards attaining business competitiveness', 15 December 2008.

Presented a paper on 'Women Empowerment in Corporate World: A Perspective of Indian Business Organizations', in the National Seminar on Women Empowerment in India: Issues and Challenges, organised by the Department of Economics, Osmania University College for Women, Koti, Hyderabad, 23-24 March 2009.

Invited as a Guest speaker in a one-day Seminar on Liberal Education in Arts, Sciences and Humanities: Status, Role and Future, organised by India International Centre, to speak on 'Liberal Education and Management'.

Mr. Hamendra Dangi : Presented paper titled 'Evaluating factors influencing preferred supplier status in marketing channel: A case study' jointly with Avnish Bansal International Conference on Technology and Innovation in Marketing 2009 Institute of Management Technology, Ghaziabad, India, 20-21 February 2009.

Publications

Books

Gaiha, R. 2008. Contributed two chapters, 'Microfinance, Self-help groups, and Empowerment in Maharashtra', and 'Supermarkets, Smallholders and Livelihood Prospects in Selected Asian countries', in R. Jha (ed.), *The Indian Economy Sixty Years after Independence*. London: Palgrave-Macmillan.

Kaur, S. 2008. *Economic Freedom for States of India*, with P.D. Kaushik, New Delhi: Academic Foundation.

Research papers

Gaiha, R. 2008. 'Calorie and Micronutrient Deprivation and Poverty Nutrition Traps in Rural India', *World Development*, November 2008.

'Deprivation, Disparity and Discrimination in Rural India', a non-technical summary. *Brown Journal of World Affairs*, 14(2), Spring 2008.

2008. 'Agricultural Growth, Employment and Wage Rates in Developing Countries. A background paper to the World Development Report', *Agriculture and Development*, a joint publication of Inwent and the World Bank.

2008. 'Supply Response to Changes in Agricultural Commodity Prices in Asian Countries', Economics Discussion Paper 0808, University of Manchester.

2009. 'Soaring Food Prices: A Threat or Opportunity in Asia?' BWPI Working Paper 69.

2008. 'Foodgrain Stocks, Prices and Speculation', BWPI Working Paper, 64.

2008. 'Transmission of World Commodity Prices to Domestic Commodity Prices in India and China', BWPI Working Paper, 45.

2009. 'Measuring Vulnerability and Poverty in Rural India', in W. Naudé, A. Santos-Paulino and M. McGillivray (eds.), *Vulnerability in Developing Countries*, (the UN-WIDER Conference special volume), UNU Press.

2008. 'Food and oil prices', Economics Discussion Paper-0801, University of Manchester.

2009. 'Has Poverty Reduction Slowed Down in the Developing World? Evidence Based on New Poverty Estimates', Economics Discussion Paper 0902, University of Manchester.

2008. 'Finance, Growth, Inequality and Hunger in Asia: Evidence from Country Panel Data in 1960-2006', Economics Discussion Paper 0813, University of Manchester.

2008. 'Financial crisis in Asia and the Pacific Region: Its genesis, severity and impact on poverty and hunger', Economics Discussion Paper 0810, University of Manchester.

2009. 'Option Values, Switches and Wages - An Analysis of the Employment Guarantee Scheme in India', *Review of Economic Development*.

2009. 'Poverty, undernutrition and vulnerability in rural India: public works versus food subsidy', CPRC Working Paper No. 135, University of Manchester.

2008. 'Financial crisis in Asia and the Pacific Region: Its genesis, severity and impact on poverty and hunger'.

2009. 'Millennium Development Goal of Halving Poverty in Asia and the Pacific Region: Progress, Prospects and Priorities'. *Journal of Asian and African Studies*, 44(2).

Served as a reviewer for *Economic Development and Cultural Change*, *Oxford Development Studies*, *The Economic Journal*, *Development and Change*, *World Development*, *Cambridge Journal of Economics* and *Asian Development Review*.

Report

Kaur, S. 2009. 'Competition Policies in the Passenger Road Transportation Sector', Competition Commission of India, Government of India.

Papers Published

Kaur, S. 2009. 'India's Growth in the Second Millennium: Assessment and Challenges', *Encyclopaedia Treccani Terzo Millennio*, Italy.

2009. '**Agricultural Policies in India**', in *Agricultural Policies in Emerging Economies: Monitoring and Evaluation*. Paris: Organization of Economic Co-operation and Development, pp. 95-112.

2008. 'Economic Freedom, Larger Freedoms and Public Policy', in *The Forum of Public Policy*, Journal of the Oxford Round Table. Accessible online at: <http://forumonpublicpolicy.com/archivespring08/kaur.pdf>

2008. 'Poverty Measurement Blues: Some Reflections', in *Decline of the Developmental state*, *Alternate Economic Survey*, pp. 245-61.

Das, D. and Sharma, S.K. 2009. 'An assessment of the impact of tourism development at Varanasi: perspectives of local tourism businesses', *Int. J. Tourism Policy*, 2(3): 167-86.

Das, D. and Mukherjee, K. 2008. 'A QFD Approach to Addressing the Impacts of Tourism Development', *Journal of Quality Assurance in Hospitality and Tourism*, 8(3): 1-38.

2008. 'Development of an AHP-QFD framework for designing a tourism product', *Int. J. Services and Operations Management*, 4(3): 321-44.

Singhanian, M. 2008. *Corporate Tax and Dividend Policy* (1st edn), New Delhi: Taxmann Publications Pvt. Ltd.

2008. *Income Tax with Mini Ready Recknor* (5th edn). New Delhi: Taxmann Publications Pvt. Ltd.

Singhania, M. 2008 and Singhania, V.K. *Corporate Tax Planning and Business Tax Procedures* (12th edn). New Delhi: Taxmann Publications Pvt. Ltd.

Students' Guide to Income Tax (40th edn). New Delhi: Taxmann Publications Pvt. Ltd.

Singhania, M. 2008. 'Determinants of Equity Share Prices in Indian Chemical Industry'. *AIMA Journal of Management Research*, 2(4/4).

2009. 'Restructuring Remuneration Packages: Aligning with Fringe Benefit Tax. Conference proceedings of International Conference on Asian Management Practices: People, Strategies and Evolutions', organised by IIM, Lucknow Noida Campus, 19-21 March 2009.

Sinha, P. and Bansal, A. K. 2008. 'Hierarchical Bayes Prediction for the 2008 US Presidential Election'. *Journal of Prediction Markets*, 2: 47-59 (UK).

Sinha, Mala. 2009. 'To Correct or not to Correct. Case Analysis for 'Where have all the Sheppards gone', *Business World*, 16 March 2009.

Pal, S.K. and Kapur, V. 2009. 'Unique Brands as Innovative Marketing Channels', *Proceedings of the 3rd IIMA Conference on Marketing Paradigms for Emerging Economies*, (eds) Piyush Kumar Sinha, Prathap Oburai and Vandana Sood. New Delhi: Allied Publishers Pvt. Ltd., ISBN: 987-81-8424-403-8, pp. 465-73.

2009. 'Blog Marketing Strategies for Emerging Markets', *Proceedings of the 3rd IIMA Conference on Marketing Paradigms for Emerging Economies*, (eds) Piyush Kumar Sinha, Prathap Oburai and Vandana Sood. New Delhi: Allied Publishers Pvt. Ltd., ISBN: 987-81-8424-403-8, pp. 37-44.

Kapur, V., Kumar, A. and Samiee, S. 2008. 'Innovation and Creativity in the Indian Market Place of the 21st Century: A Reality Check'. *Journal of Marketing and Communication*, (ed.), 4(2): 4-13.

Sharma, S. and Chetiya, A. 2009. 'Simplifying the Six Sigma Tool box through application of Shainin DOE Techniques', *Vikalpa*, 24(1).

Sharma, S., Aggarwal, K. and Mittal, P. 2008. 'Empirical Analysis of Volatility in Stock Markets using GARCH Models'. *International Journal of Operations and Quantitative Management*, 14(2).

Vij, M. 2008. *Management Accounting*, First Edition, New Delhi: McMillan India Ltd.

Bardhan, A.K. and Chanda, U. 2009, 'A Mathematical Model for Diffusion of Products with Multiple Generations', *International Journal of Operational Research*, 4(2): 214-29.

2008. 'A study of the diffusion parameters and marketing decision variables for a family of technological innovations', *International Journal of Technology Marketing*, 3(4): 358-75.

2008. 'A model for first and substitution adoption of successive generations of a product'. *International Journal of Modelling and Simulation*, 28(4): DOI: 10.2316/Journal.205.2008.4.205-4893.

2008. 'Modelling Innovation and Imitation Sales of multiple Technological Generation Products', *Journal of High Technology Management Research*, 18(2): 173-90.

Singh, K. 2008. 'Relationship between Learning Organization and Transactional Leadership: A Case Study of Banking Organization in India'. *International Journal of Business Management and Research*, 1(1): 97-111, ISSN 3455-4567.

2008. 'Emotional Intelligence and Workplace Effectiveness'. *Indian Journal of Industrial Relations*, 44(2): 292-302.

Narain. 2008. 'The impact of single stock futures listing on the markets for underlying stocks', *Business Analyst*, 3: 21-43.

FACULTY OF INTER-DISCIPLINARY AND APPLIED SCIENCES

BIOCHEMISTRY (SDC)

Major Activities

Dr. Anil K. Tyagi's group has developed several new candidate vaccines against tuberculosis. Some of these were published this year and show unprecedented improvement over BCG in the guinea pig model of experimental tuberculosis. On the basis of results obtained from animal studies, the candidate vaccines against TB developed in Prof. Tyagi's laboratory have been recommended for human clinical trials.

Prof. P.C. Ghosh has developed a cationic liposomal formulation without any drug associated with it, which is very effective in the inhibition of the growth of *Plasmodium falciparum* in culture. This formulation acts synergistically with monensin in inhibiting the growth of *Plasmodium falciparum in vitro* in culture and *in vivo* in animal model of *Plasmodium berghei* infection in mice. These results clearly suggest that cationic liposomal formulation may have potential application in chloroquine-resistant malaria chemotherapy.

Prof. Debi P. Sarkar: Active collaboration (preclinical studies with a guinea rat model, supported jointly by NRDC, New Delhi, and AECOM, USA) is going on since June 2006 with Prof. Jayanta Roy-Chowdhury, Director, Gene Therapy core, Liver Research Centre, Albert Einstein College of Medicine (AECOM), Bronx, New York, USA, for treating jaundice (Crigler-Najjar Syndrome, Type I Jaundice) with Sendai virus based F-virosome entrapped bilirubin-UDP glucouronoyl transferase (BUGT) gene to liver cells. Studies were completed in December.

Ph.D./M.Phil. degrees awarded

Ph.D,	-	4
M.Phil.	-	1

Research schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Role of Human ADA3 protein, a binding partner of Human Papilloma Virus (HPV) oncoprotein E6, in Oncogenesis.	Dr. Alo Nag	DBT
Characterization of rhodopsin-mediated phototransduction of <i>Chlamydomonas reinhardtii</i> .	Dr. Suneel Kateriya	DBT
Isolation, Expression and Localization of Ion Channel Coupled Rhodopsin of <i>Chlamydomonas reinhardtii</i> .	Dr. Suneel Kateriya	DBT
Development of New Light-Sensitive Protein Tools for Neuroscience.	Dr. Suneel Kateriya	DBT
Spectroscopic Characterization/Screening of Hemoglobin Disorders.	Dr. Suman Kundu	DBT
Structure-function relationship in Dopamine Beta-hydroxylase and Neuroglobin.	Dr. Suman Kundu	DBT
Biodegradable nanoparticle mediated delivery of anti-malarial drugs for the treatment of malaria.	Prof. P.C. Ghosh	DBT

Programmes taken up involving Inter-institutional collaboration

Utilization of siRNA tools to study stress-induced liver cells response using hepatocyte specific fusogenic nanoparticles derived from Sendai Virus, by Prof. Debi P. Sarkar in collaboration with Dr. Sandeep Saxena, Staff Scientist IV, NII, New Delhi, Department of Biotechnology, Government of India.

Seminars/Conferences held

Co-Convenor of the National Conference on Drug Discovery and Development, held at Delhi University South Campus, New Delhi, organised by Bioinformatics Centre, Sri Venkateswara College, in association with Bioinformatics Centre, DISC, Delhi University South Campus, 21-23 January 2009.

Seminars/Conferences attended

Prof. Anil K. Tyagi: International Symposium on Emerging Trends in Tuberculosis Research: Biomarkers, Drugs and Vaccines, ICgeb, New Delhi, 1-3 December 2008.

Participated in the 49th Annual Conference of Association of Microbiologists of India – International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics, Delhi, 18-20 November 2008.

Participated in the 22nd Meeting of the Joint Working Group of INDO-US Vaccine Action Programme, New Delhi, 23-24 October 2008.

Participated in the 77th Annual Meeting of the Society of Biological Chemists (India), IIT Madras, Chennai, 18–20 December 2008.

Participated in the Ranbaxy Science Foundation's 22nd Round Table Conference on Challenges of MDR/XDR Tuberculosis in India, New Delhi, 13 December 2008.

Participated in the 32nd Annual Conference of Indian Association of Medical Microbiologists (IAMM), A CME on 'Vaccinology - An update', AFMC Pune, 22 October 2008.

Participated in the Symposium on Industrial Application of Microbial Proteomics, Indian Institute of Advanced Research, Gandhinagar, Gujarat, 2-4 June 2008.

Prof. Vijay K. Chaudhary: Presented a paper 'Rapid and sensitive detection of *Mycobacterium tuberculosis* inculture', in the 3rd International TB symposium held at ICgeb, New Delhi, 1-3 December 2008.

Prof. P.C. Ghosh: Attended 49th Annual Conference of AMI and International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics, Delhi University, 18-20 November 2008.

Attended International Symposium on 'Novel Strategies for Targeted Prevention and Treatment of Cancer', School of Life Sciences, Jawaharlal Nehru University, New Delhi, 19-20 December 2008.

Prof. Debi P. Sarkar: Participated in and chaired a session in the Indo-US symposium on 'Trends in Chemical Biology' at Department of Chemistry, Delhi University, 25 February 2009.

Participated and Co-convenor of Guha Research Conference 2008 held at Gangtok, Sikkim, 18-23 October 2008.

Participated and Chaired a session in the Conference on Human Viruses and Translational Medicine at National Institute of Immunology, New Delhi, 17-18 November 2008.

Participated in the symposium on 'Frontiers in Molecular Medicine', jointly organised by Centre for Molecular Medicine, JNU, New Delhi, and Uppasala University, Sweden, 13-14 February 2009.

Participated as an Expert/Faculty in a workshop on 'Animal Handling and Gene Transfer Experiments', Department of Microbiology and Cell Biology, Indian Institute of Science, Bangalore, 5-9 January 2009.

Dr. Suman Kundu: Invited Talk on 'How do symbiotic plant hemoglobins compare to hexacoordinate hemoglobins in stability and regulation of ligand binding?' XVth International Conference on Oxygen Binding and Sensing Proteins, Aarhus, Denmark, 17-21 August 2008.

Invited talk on 'Structural Novelty, Conformational Plasticity and High Stability in a Unique Hemoglobin from *Synechocystis*: Model for Heme Protein Based Biotechnological Applications', 77th Annual Meeting of Society of Biological Chemists (India), IIT Madras, Chennai, 18-20 December 2008.

Dr. Alo Nag: Participated in International symposium on 'Novel Strategies for Targeted Prevention and Treatment of Cancer', School of Life Sciences at JNU, New Delhi, 19-20 December 2008.

Harsha Sikri and Suneel Kateriya: 'Identification, expression and biochemical characterization of LOV1 Domain of Phototropin from *Ostrecoccus tauri*'. 8th International Symposium on 'Biochemical Roles of Eukaryotic Cell Surface Macromolecule', Varanasi, India, 21-25 January 2008.

Harsha Sikri, Harsh Takkar, Rajanish Giri and Suneel Kateriya: 'Expression, purification and spectral characterization of LOV1 domain of phototropin from *Ostrecoccus tauri*', First Indo-Danish DU_SDU Seminar on 'Emerging Trends in Interfacial Areas of Chemical, Biological and Environmental Sciences', New Delhi, India, 17-18 March 2008.

Publications

Tyagi, A.K., Dey, B. and Jain, R. 2009. 'Tuberculosis vaccine development: Current status and future expectations'. In: Sharma, S.K., Mohan, A. (eds), *Tuberculosis*, New Delhi: Jaypee Brothers, Medical Publishers, pp. 918-46.

Arora, P., Goyal, A., Natarajan, V.T. Rajakumara, E., Verma, P. Gupta, R., Yousuf, M., Trivedi, O.A., Mohanty, D., Tyagi, A.K., Sankaranarayanan, R. and Gokhale, R.S. 2009. 'Mechanistic and functional insights into fatty acid activation in *Mycobacterium tuberculosis*'. *Nature Chemical Biology*, doi: 10.1038/nchebio.143.

Jain, R., Dey, B., Dhar, N. Rao, V., Singh, R., Gupta, U.D., Katoch, V.M., Ramanathan, V.D. and Tyagi, A.K. 2008. 'Enhanced and Enduring Protection against Tuberculosis by Recombinant BCG-Ag85C and its Association with Modulation of Cytokine Profile in Lung'. *PLoS ONE*, 3(12):e3869.

Mohd Akif, Khare, G., Tyagi, A.K., Mande, S.C. and Sardesai, A.A. 2008. 'Functional Studies on Multiple Thioredoxins from *Mycobacterium tuberculosis*'. *J. Bacteriol.* doi:10.1128/JB.00159-08.

Gupta, V., Gupta, R.K., Khare, G., Salunke, D.M. and Tyagi, A.K. 2008. 'Cloning, expression, purification, crystallization and preliminary x-ray crystallographic analysis of bacterioferritin A from *Mycobacterium tuberculosis*'. *Acta Cryst.* F64: 398-401.

Gupta, V., Gupta, R.K., Khare, G., Dinakar, A.S. Salunke, M. and Tyagi, A.K. 2008. 'Crystallization and preliminary x-ray diffraction analysis of biotin acetyl-CoA carboxylase ligase (BirA) from *Mycobacterium tuberculosis*'. *Acta Cryst.* F64: 524-7.

Farhana, A., Kumar, S., Rathore, S.S., Ghosh, P.C., Ehtesham, N.Z., Tyagi, A.K. Anil K. Tyagi, and Hasnanin, S.E. 2008. 'Mechanistic insights into a novel export-import system of *Mycobacterium tuberculosis* unravel its role in trafficking of iron'. *PLoS ONE*, 3(5):e2087.

2008. 'Mechanistic insights into a Novel Export-Import System of *Mycobacterium tuberculosis* unravel its role in trafficking of iron'. *PloS One*, 3, e2087.

Rathore, S.S. and Ghosh, P.C. 2008. 'Effect of surface charges and density of distearylphosphatidylamine-mPEG-2000 (DSPE-mPEG-2000) on the cytotoxicity of liposome entrapped ricin: Effect of lysosomotropic agents'. *Int. J. Pharm.*, 350: 79-94.

Book

Wang, X., Mani, P., Sarkar, D. P., Roy-Chowdhury, N. and Roy-Chowdhury, J. 2009. 'Ex Vivo Gene Transfer into Hepatocytes' in a book chapter entitled, 'Hepatocyte Transplantation', Anil Dhawan and Robin D. Hughes (eds), *Methods in Molecular Biology Series*, Chapter 11, New Jersey, USA: Humana Press.

Journals

Surolia, I., Chhiber, M., Sarkar, D.P. and Sinha, S. 2008. 'Fibrillogenesis in Adan peptides is inhibited by biphenyl ethers'. *Biochim. Biophys. Res. Commun.*, 370: 681-6.

Surolia, I., Sarkar, D.P. and Sinha, S. 2008. 'Form and dimensions of aggregates dictate cytotoxicities of Danish dementia peptides'. *Biochim. Biophys. Res. Commun.*, 372: 62-6.

Surolia, I., Sinha, S., Sarkar, D. P., Reddy, P.Y., Reddy, G.B. and Surolia, A. 2008. 'Concurrence of Danish dementia and cataract: Insights from the interactions of dementia associated peptides with eye lens γ -Crystallin'. *PloS One*, e2927.

Krishnan, A., Verma, S.K., Mani, P., Gupta, R., Kundu, S. and Sarkar, D.P. 2009. 'A histidine switch in hemagglutinin-neuraminidase triggers paramyxovirus-cell membrane fusion'. *Journal of Virology*, 83: 1727-41.

Yadav, S.C., Jagannadham, M.V., Kundu, S., and Jagannadham, M.V. 2009. 'A kinetically stable plant subtilase with unique peptide mass fingerprints and dimerization properties'. *Biophys. Chem*, 139: 13-23.

Krishnan, A., Verma, S.K., Mani, P., Gupta, R., Kundu, S. and Sarkar, D.P. 2009. 'A histidine switch in hemagglutinin-neuraminidase triggers paramyxovirus-cell membrane fusion'. *J. Virol*, 83: 1727-41.

Sanghamitra, M., Talukder, I., Singarapu, N., Sindhu, K.V., Kateriya, S. and Goswami, S.K. 2008. 'WD-40 repeat protein SG2NA has multiple splice variants with tissue restricted and growth responsive properties'. *Gene*, 420: 48-56.

Oliver, P., Ernst, Pedro, A., Sanchez Murcia, Daldrop Peter, Satoshi, P., Tsunoda, Kateriya, S. and Hegemann, Peter. 2008. Photoactivation of Channelrhodopsin'. *J. Biol. Chem.*, 283: 1637-43.

BIOPHYSICS (SDC)

Major Activities

The Department has a strong research programme on cognitive neuroscience and neural network, in particular, the connectivity among neurons during the process of learning.

Active research is on to study the regulation of various ion channels in neurons and non-excitabile cells. The techniques used include single channel electrophysiological recording in live cells (patch-clamp) as well as ion channels reconstituted in lipid bilayers. This Department is among the few in India where this advanced technique can be utilised by researchers. Presently, the Department is working on a variety of ion channels, e.g. Mitochondrial Voltage Dependent Anion Channel, Gap Junctions, plant ion channels and some novel non-protein channels. Effects of reversible phosphorylation on ion channels are being studied using single channel recording coupled with biochemical studies.

The Department has an active research programme on Nonlinear and Stochastic Modelling, which is supported by the ongoing experiments.

Research schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Investigating collective behavior of the membrane Channels: Electrophysiological studies on passive diffusion channels.	Dr. Subhendu Ghosh	DST
Role of Voltage Dependent Anion Channel in mitochondria mediated Apoptosis Studies on interaction with MAP kinase and Bax.	Dr. Subhendu Ghosh	Department of Atomic Energy, Board of Research in Nuclear Science
Voltage Dependent Anion Channel Probing its Cooperative Behavior.	Dr. Subhendu Ghosh	R&D Doctoral Research programme, DU

Seminars/Conferences attended

Dr. S. Ghosh: Presented paper in 'National conference on Nonlinear Systems and Dynamics, 5-7 March, 09, Kolkata (SINP)

Attended a Seminar on 'Therapeutic Use on Ion Channels', Indian Veterinary Research Institute, Bareilly, 18 October 2008.

Publications

Books

Ghosh, S. et. al. 2008. 'Electrical Noise in Cells, Membranes and Neurons'. In: Ed. Dana *et al. Dynamics of Physiological Systems: From Heart to Brain*. Springer, pp. 284-97.

2008. 'Single Channel Electrophysiological Recordings as a Sensitive Tool to Study Ion Channels'. In: Proceedings of the Seminar on 'Therapeutic Use on Ion Channels', Indian Veterinary Research Institute, Bareilly, pp. 7-12.

Bhattacharjee, A., Das, M.K. and Ghosh, S. 2008. 'Random Noise complements for a Weak Signal to Evoke Continuous Electrical Spikes in a Single Neuron'. In: Proceedings of the National Conference- Device Intelligent System, Communication and Networking, Asansol, 1-2 August 2008, Excel India Publishers, pp. 135-8.

ELECTRONIC SCIENCE (SDC)

Major Activities

The Department's courses, leading to M.Tech in Microwave Electronics and M.Sc. (Electronics), are being conducted regularly. These programmes provide the necessary theoretical background with practical experience to meet the requirements of modern R&D organisations and industries. The Department also has a strong Ph.D. programme and the faculty members are actively engaged in research work in the field of optoelectronics, semiconductors, microwaves and microelectronics. The Department has national and international collaborations and several research projects funded by UGC, CSIR, DST, MNRE, MIT, AICTE, DRDO, NSF (USA) and JSPS (Japan). Recently, a clean room facility has been established under the FIST programme of DST, New Delhi. This will help students and faculty members to perform experimental work in a clean environment.

Ph.D. Degrees awarded

Ph.D. - 13

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Solid-state Dye-sensitized Solar Cells based on Nanocrystalline Oxide Semiconductor Films.	Prof. R. M. Mehra	MNRE
DNA Sequence Detection for Medical Diagnostics using Water Soluble Cationic Conjugate Polymers and PNA Probes.	Prof. P.K. Bhatnagar	DBT
Development and Characterisation of DNA based bio White Polymer Light Emitting Diode by Harvesting Singlet and Triplet Excitons.	Prof. P.K. Bhatnagar	DST
Magneto-Optical manipulation of Spin Dynamics in Quantum Dots of Group II-VI Compound Semiconductor Embedded in Borosilicate Glasses, under India Initiative Programme.	Prof. P.K. Bhatnagar	NUS, Singapore
Measurement of optical Non-linearities in wide bandgap II-VI semiconductor Quantum Dots suitable for all optical switching devices.	Prof. P.K. Bhatnagar	DST
Analytical Modeling and Simulation of Modulation Doped Field Effect Transistors (MODFET)	Prof. R.S. Gupta	CSIR
Modeling and simulation of Nanoscale Dual Material Gate Insulated Shallow Extension Silicon on Nothing MOSFET for Low voltage low power applications	Dr. Mridula Gupta	UGC
Study of Electron Transport in Doped Zinc Oxide Thin Films by PLD and its Characterization	Prof. A. Kapoor	DST

Appointment of faculty members to higher Posts/Assignments

Prof. P. K. Bhatnagar: Visited National University of Singapore and carried out scientific investigations regarding quantum dots and collaboration, 14-23 July 2008. Measurements on non-linear properties of II-VI Quantum Dots in Borosilicate glasses, prepared by us in our laboratory at Delhi University South campus in India were taken using Femtosecond laser of Prof. S.H.Tang, our Singapore Collaborator.

Collaborative project entitled 'Development and Characterization of Conducting Polymer-Single Walled Carbon Nanotube Composite Solar Cells'; established collaboration with Prof. C.S.Bhatia of NUS, Singapore, and sent a research paper for publication as a result of discussions during his visit to Delhi.

Visited University of Himeji, Japan, under the Indo-Japan DST-JSPS Program (1-21 October 2008). Worked on Conducting Polymer based Light Emitting Diodes. Gave Invited talk on 'Polyme based solar cells'.

Prof. R. M. Mehra: Strengthening of Higher Education at Kabul University, 'DU- Kabul University Delegation'.

Honours/Distinctions

Prof. R. M. Mehra: Regional Editor, *Journal of Applied Sciences*, *Research Journal of Physics*, *Asian Journal of Applied Sciences*, *Asian Journal of Materials Sciences*, *Research Journal of Nanoscience and Nanotechnology*.

Seminars/Conferences attended

Prof. R. M. Mehra: 23rd European Photovoltaic Solar Energy Conference, 1-5 September 2008, Valencia, Spain, Title: Enhancement of Photovoltaic Performance of Quasi Solid - State Dye Sensitized Solar Cell Using CuI Layer.

Prof. A. Kapoor: IMPACT 2009, International Conference on Multimedia, Signal Processing and Communication Technologies, held at Aligarh Muslim University, 14-16 March 2009. Title: 'Tuning of PID Parameters Using Artificial Neural Network'.

PHOTONICS 2008, International Conference organised by IIT Delhi, at India Habitat Centre on 13-17 December 2008. Title: 'Effect of optical activity in two wave mixing in photorefractive crystals: transmission geometry'.

Dr. Mridula Gupta: International Conference, 2008 Asia-Pacific Microwave Conference (APMC-2008), Hong Kong and Macau, 16-20 December 2008.

The Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT-2008), New Delhi, 26-28 September 2008.

Publications

- Kumar, M., Mehra, R.M. and Choi, Se-Young 2009.** 'Effect of oxygen ambient on structural, optical and electrical properties of epitaxial Al-doped ZnO thin films on *r*-plane sapphire by pulsed laser deposition'. *Current Applied Physics*, 9: 737-41.
- Sharma, R., Shishodia, P.K., Wakahara, A. and Mehra, R.M. 2009.** 'Investigations of highly conducting and transparent Sc doped ZnO films grown by sol-gel process'. *Material Science, Poland*, 27: 225-37.
- Sharma, M. and Mehra, R.M. 2008.** 'Effect of thickness on structural, electrical, optical and magnetic properties of Co and Al doped ZnO films deposited by sol-gel route'. *Applied Surface Science*, 255: 2527-32.
- 2008.** 'Structural, Optical, Electrical and Magnetic properties of sol-gel derived Zn_{1-x}-yCo_xAl_yO films'. *Material Science, Poland*, 26: 659-73.
- Sagar, P., Kumar, M. and Mehra, R.M. 2008.** 'The Meyer-Neldel rule in sol-gel derived polycrystalline ZnO-Al thin films'. *Solid State Communications*, 147: 465-69.
- Rani, S., Suri, P., Shishodia, P.K. and Mehra, R.M. 2008.** 'Synthesis of nanocrystalline ZnO powder via sol-gel route for dye-sensitized solar cells'. *Solar Energy Materials and Solar Cells*, 92: 1639-45.
- Srivastava N.K. and Mehra, R.M. 2009.** 'Study of electrical properties of polystyrene/ foliated graphite composite'. *Material Science-Poland*, 27: 100-22.
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Conference Papers

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Kumar, J., Verma, A., Pandey, P.K., Bhatnagar, P.K. and Mathur, P.C., Liu, W. and Tang, S.H. 2008. 'Below Gap Absorption and Photoluminescence due to Trap Centers Generated at the Interface of CdS Quantum Dots Embedded in Borosilicate Glasses', The Asian Conference on Solid State Ionics', ACSSI-2008, Coimbatore, 9-13 June, pp. 887-94.

Singh, I., Bhatnagar, P.K. and Mathur, P.C., Kaur, I. and Bhardwaj, L.M. 2008. 'Study of conducting polymer-single walled carbon nanotube composites for photovoltaic applications'. Presented at 18th Australian Institute of Physics National Congress at Adelaide, Australia, 30 November – 5 December 2008.

Bhatnagar, P.K. and Mathur, P.C., Singh, I. and Bharadwaj, L.M. 2008. 'Development and characterization of conducting polymer- single walled carbon nanotube films for application to photovoltaic devices'. In Proceedings of 11th ASSSI - 2008, Coimbatore, India, pp. 537-41.

Kaur, H., Kabra, S., Haldar, S. and Gupta, R.S. 2008. 'Impact of Non-Uniformly Doped and Multi Layered Asymmetric Gate Stack Design on Device Characteristics of Surrounding Gate MOSFETs', NSTI Nanotechnology Conference and Trade Show, Boston, Massachusetts, USA, 1-5 June 2008.

2008. 'A Comparative Analysis Using Modeling and Simulation to Study the Impact of Multilayered Gate Dielectric (MGD) Design on Device Performance of Surrounding Gate MOSFET', XXIX General Assembly of the International Union of Radio Science (Union Radio Scientifique Internationale – URSI), Illinois, USA, 7-16 August 2008.

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Kaur, H., Kabra, S., Haldar, S. and Gupta, R.S. 2008. 'Characterization asymmetric multilayered gate dielectric (AMGAD) surrounding gate MOSFET: A new structural concept for enhanced device performance', International Conference on Recent Advancements in Microwave Theory and Applications (Microwave-2008), Jaipur, India, 21-24 November 2008.

Kaur, R., Chaujar, R., Saxena, M. and Gupta, R.S. 2008. 'TCAD Performance Investigation of a Novel MOSFET Architecture of Dual Material Gate Insulated Shallow Extension Silicon On Nothing (DMG ISE SON) MOSFET for ULSI era', Asia-Pacific Microwave Conference, Hong Kong and Macau, 16-20 December 2008.

- Kaur, H., Kabra, S., Haldar, S. and Gupta, R.S. 2008.** 'Impact of Laterally Asymmetric Channel and Gate Stack Design on Device Performance of Surrounding Gate MOSFETs: A Modeling and Simulation Study', Asia-Pacific Microwave Conference, Hong Kong and Macau, 16-20 December 2008.
- Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2008.** 'Impact of Multi-layered Gate Design on Hot Carrier Reliability of Gate Electrode Workfunction Engineered Recessed Channel (GEWE-RC) MOSFET', XXIX General Assembly of the International Union of Radio Science, (Union Radio Scientifique Internationale – URSI), Illinois, USA, 7-16 August 2008.
- Kumar, S.P., Agrawal, A., Chaujar, R., Gupta, M. and Gupta, R.S. 2008.** 'Investigation the Linearity Performance of DMG AlGaN/GaN HEMT for Improved RF Applications', XXIX General Assembly of the International Union of Radio Science, (Union Radio Scientifique Internationale – URSI), Illinois, USA, 7-16 August 2008.
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- Aggarwal, R., Agrawal, A., Gupta, M. and Gupta, R.S. 2008.** 'Investigation of temperature dependent microwave performance of AlGaN/GaN MISHFETs for high power wireless applications', International Conference on Recent Advancesments in Microwave Theory and Applications (Microwave-2008), Jaipur, India, 21-24 November 2008.
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- Malik, P., Chaujar, R., Gupta, M. and Gupta, R.S. 2008.** 'Exploring the effect of negative junction depth on electrical behaviour of sub-50nm GME-TRC MOSFET: A simulation study', International Conference on Recent Advancesments in Microwave Theory and Applications (Microwave-2008), Jaipur, India, 21-24 November 2008.
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- Kaur, P., Pandey, R., Haldar, S., Gupta, S., Gupta, M. and Gupta, R.S. 2008.** 'Analytical approach for high temperature analysis of AlGaIn/GaN HEMT', International Conference on Recent Advances in Microwave Theory and Applications (Microwave-2008), Jaipur, India, 21-24 November 2008.
- Kumar, S.P., Aggarwal, A., Chaujar, R., Gupta, M. and Gupta, R.S. 2008.** 'DMG AlGaIn/GaN HEMT: A solution to RF and wireless applications for reduced distortion performance', Asia-Pacific Microwave Conference, Hong Kong and Macau, 16-20 December 2008.
- Gangwani, P., Kaur, R., Haldar, S., Gupta, M. and Gupta, R.S. 2008.** 'Capacitance modeling of 120nm AlGaIn/GaN HEMT for microwave and high speed circuit applications', Asia-Pacific Microwave Conference, Hong Kong and Macau, 16-20 December 2008.
- Aggarwal, R., Aggarwal, A., Gupta, M. and Gupta, R.S. 2008.** 'AlGaIn/GaN MISHFET: A Novel Alternative to Power HFETs for High Temperature Microwave Digital and Switching Applications', Asia-Pacific Microwave Conference, Hong Kong and Macau, 16-20 December 2008.
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- Sharma, R.K., Gupta, R., Gupta, M. and Gupta, R.S. 2008.** 'High Tolerance to Gate Misalignment in Graded Channel Double Gate SOI n-MOSFETs: Small Signal parameter Analysis', Asia-Pacific Microwave Conference, Hong Kong and Macau, 16-20 December 2008.
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- Kaur, H., Kabra, S., Haldar, S. and Gupta, R.S. 2008.** 'A Two-Dimensional Threshold Voltage Model for Asymmetric Gate Stack Surrounding Gate MOSFET', The Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT-2008), New Delhi, 26-28 September 2008.
- Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2008.** 'Development Board-Level Experimentation and Simulation of FPGA based DEBPSK DSSS Modulator: Implementation of 10-Chip Gold Code Sequence Generator', The Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT-2008), New Delhi, 26-28 September 2008.

Kumar, S.P., Agrawal, A., Chaujar, R., Gupta, M. and Gupta, R.S. 2008. 'Impact of Dual Material Gate Design on AlGa_N/Ga_N High Electron Mobility Transistor's RF Performance, The Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT-2008), New Delhi, 26-28 September 2008.

Aggarwal, R., Agrawal, A., Gupta, M. and Gupta, R.S. 2008. 'Theory of Charge Control Characteristics of AlGa_N/Ga_N MISHFET: A High Temperature Study', The Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT-2008), New Delhi, 26-28 September 2008.

Kaur, P., Pandey, R., Haldar, S., Gupta, S., Gupta, M. and Gupta, R.S. 2008. 'High Temperature Performance of AlGa_N/Ga_N HEMT', The Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT-2008), New Delhi, 26-28 September 2008.

Malik, P., Chaujar, R., Kumar, Sona P., Gupta, M. and Gupta, R.S. 2008. 'Effect of Control Gate Length on Device Performance of GMETRC MOSFET', The Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT-2008), New Delhi, 26-28 September 2008.

Sharma, N., Bansal, J., Kumar, S.P., Chaujar, R., Gupta, M. and Gupta, R.S. 2008. 'Analytical Modeling of Multi-Layered Dielectric G₄-MOSFET for Improved Short Channel Effects', The Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT-2008), New Delhi, 26-28 September 2008.

GENETICS (SDC)

Major Activities

The Department offers a two-year Master's programme in Genetics, and also has active Ph.D. and M. Phil. programmes. 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 bases 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 characterised 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. A comparative molecular map in *B. juncea* was constructed and used for the identification of genome organisation of *Brassica* species. The lab has taken the national lead in marker-assisted introgression of low glucosinolate

triat in *B. juncea*. The lab has developed the first mustard hybrid in the country, which was released in 2008 the by Ministry of Agriculture, Government of India, for commercial cultivation.

The main aim of **Prof. Rajam's** research is to develop transgenic tomato, brinjal and cotton plants for disease, insect and nematode resistance through plant RNAi-mediated silencing of vital genes of pathogens and pests. Virus resistant sweet orange and male sterile transgenic tomato are also being developed using RNAi. Targeting of fungal and insect polyamine biosynthesis gene by siRNA for their control and marker-free transgenic tomato plants for stress tolerance are some of the significant achievements.

Attempts to understand the biology of complex disorders such as rheumatoid arthritis and ulcerative colitis by whole genome analysis and identifying novel pathways, so as to develop new drug molecules is one of the major activities in **Prof. Thelma's** lab. An interdisciplinary approach fostering different disciplines is being undertaken to achieve these objectives.

The research interests of **Dr. Burma's** group is to analyse ways and means of enhancing and stabilizing expression of transgenes in plants by modulation of post-transcriptional events. Constructs for high expression of transgene in plants have been developed. A 'barnase-barstar' based technology is also being used for hybrid seed production in plants.

Dr. Sarkar's research primarily focuses on harnessing the power of *Drosophila* genetics to address some basic questions in developmental biology and for exploring the cellular and developmental basis of some fatal human diseases and aging process. *Drosophila* culture facility has been established in the Department and being utilized for teaching and research purposes.

The main focus of **Dr. Kaur's** lab is to understand the plant-pathogen interactions, using *Arabidopsis thaliana*-*Alternaria brassicae* phyto-pathosystem, at molecular genetic level.

Ph.D./M.Phil. Degree awarded.

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

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Genetic Engineering of Tomato for Fungal Resistance Through RNAi – mediated Suppression of Fungal Ornithine Decarboxylase Gene.	Prof. M.V. Rajam	DBT
Silencing of Vital Genes (Acetylcholinesterase, ornithine decarboxylase and chitin synthase) of Cotton Bollworm by Plant-mediated RNAi for developing Insect Resistant Transgenic Cotton.	Prof. M.V. Rajam	DBT

Analysis of Fruit Characteristics, Expression Profile of Ripening Genes and Limited Open Field Trials of Tomato Transgenics Over-Expressing Polyamine Biosynthesis Genes.	Prof. M.V. Rajam	DBT
Development of Efficient Plant Regeneration and <i>Agrobacterium</i> -Mediated Genetic Transformation Protocols for <i>Citrus</i> sp. And Production of Citrus Transgenics for Virus Resistance.	Prof. M.V. Rajam	DBT
Genetic Evaluation of Multiple Biocontrol properties and their interactions in Rhizospheric isolates of <i>Pseudomonas fluorescens</i> .	Prof. S. Srivastava	DST
Metagenomic approach to Mine Environmental Bacteria search for an Efficient Antimicrobial function and its implication.	Prof. S. Srivastava	DBT
Development of a Benignant Microbial Consortium for Growth Promotion of some Important Crops.	Prof. S. Srivastava	DBT
Centre of excellence on 'Genome sciences and Predictive medicine'.	Prof. B.K. Thelma	DBT
Centre of Excellence on Genome Mapping and Molecular Breeding in Brassicas.	Prof. A.K. Pradhan	DBT

Programmes taken up involving Inter-institutional collaboration

Control of fungal pathogens by plant-mediated RNAi.	Prof. M.V. Rajam	DBT
Development of sweet orange transgenic plants for CTV resistance.	Prof. M.V. Rajam	DBT
Development of delayed ripening tomato transgenic plants.	Prof. M.V. Rajam	DBT
Control of insect pests of tomato and cotton by plant-mediated RNAi.	Prof. M.V. Rajam	DBT

Development of a Benignant Microbial Consortium for Growth Promotion of some Important Crops with IARI.	Prof. S. Srivastava	DBT
Centre of excellence on 'Genome sciences and Predictive medicine'.	Prof. B.K. Thelma	DBT
Novel approaches for production of hybrid seeds with characteristics of improved insect resistance and higher yield – cotton component'.	Dr. P.K. Burma	CSIR

Honours/Distinctions

Prof. M.V. Rajam: Associate Editor, *BMC Biotechnology* (UK).

Associate Editor, *Physiology and Molecular Biology of Plants*, Springer.

Prof. B.K. Thelma: Fellow, Indian National Science Academy.

Seminars/Conferences held

UGC-SAP Seminar on 'RNA Rules', 25 October 2008.

Workshop for School Teachers on 'Microbe Power', under the aegis of XV Int. Genetics Congress Trust.

Seminars/Conferences attended

Seminar on 'Application of Genomics in Brassicas', organised by Plant Biotechnology Institute, Saskatoon, Canada, 11-12 December 2008.

Prof. M.V. Rajam: 13th ADNAT Convention and International Symposium on 'Epigenetic Modifications of the Genome: Mechanisms and Implications, CCMB, Hyderabad, 23-24 February 2009.

Indo-Australian Workshop on 'Transgenic Crops', National Institute of Plant Genome Research, New Delhi, 21-22 April 2008.

49th Annual Conference of the Association of Microbiologists of India and International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics, Delhi University, Delhi, 18-20 November 2008.

Prof. S. Srivastava: 3rd International Congress on Bioprocesses in Food Industries (ICBF) 2008 and 5th Convention of Biotech Research Society of India (BRSI) 2008, Hyderabad, India, 6-8 November 2008.

Dr. P.K. Burma: International Conference on Plant Biotechnology and Molecular Biology, Warangal, 15-17 August 2008.

Prof. M.V. Rajam: 30th Annual Meeting of the Plant Tissue Culture Association (India) and Natl. Symp. on Plant Propagation, Conservation, Modification and Characterization, Institute of Himalayan Bioresource Technology, Palampur, 3-4 April 2009.

Prof. S. Srivastava: 49th Annual Conference of the Association of Microbiologists of India. Delhi University, Delhi, 18-20 November 2008.

Prof. B.K. Thelma, Invited Speaker: GCIRC International Technical meeting on Rapeseed and Mustard, Heritage Village, Manesar, Indian Society of Human Genetics, 2-4 February 2-4, 2009. Invited Speaker.

Dr. P.K. Burma: XXXII Conference of Indian Society of Cell Biology and Symposium on Stem Cells and Pattern Formation, Pune, 4-6 December 2008.

Dr. Surajit Sarkar: National workshop on Multi-photon confocal microscopy and *in-situ* techniques, Banaras Hindu University, Varanasi, 12-15 February 2009.

Publications

Kumar, M., Gupta, G.P. and Rajam, M.V. 2009. 'Silencing of acetylcholinesterase gene of *Helicoverpa armigera* by siRNA affects larval growth and its life cycle'. *J. Insect Physiol.* 55: 273-8.

Singh, S. and Rajam, M.V. 2009. 'Citrus biotechnology: Achievements, limitations and future directions'. *Physiol. Mol. Biol. Plants*, 15: 3-22.

Tyagi, H., Rajasubramaniam, S., Rajam, M.V. and Dasgupta, I. 2008. 'RNA-interference in rice against Rice tungro bacilliform virus results in its decreased accumulation in inoculated rice plants'. *Transgenic Res.*, 17: 897-904.

Tiwari, S.K. and Srivastava, S. 2008. 'Characterization of a bacteriocin from a natural isolate of *Lactobacillus plantarum* LR/14'. *Food Biotechnol.*, 22: 1-5.

Malhotra, M. and Srivastava, S. 2008. 'An *ipdC* gene knock-out of *Azospirillum brasilense* strain SM and its implications on indole-3-acetic acid biosynthesis and plant growth promotion'. *Antonie Van Leeuwenhoek*, 93: 425-33.

Tiwari, S.K. and Srivastava, S. 2008. 'Statistical Optimization of bacteriocin production by natural isolate of *Lactobacillus plantarum* LR/14'. *Food Biotechnol.*, 22: 64-77.

2008. 'Purification and characterization of a novel two-peptide bacteriocin from natural isolate of *Lactobacillus plantarum* LR/14'. *Appl. Microbiol. Biotechnol.*, 79: 759-67.

Malhotra, M. and Srivastava, S. 2008. 'Organization of the *ipdC* region regulates IAA levels in different *Azospirillum brasilense* strains: Molecular and functional analysis of *ipdC* in strain SM'. *Environ. Microbiol.*, 10: 1365-73.

Upadhyay, A. and Srivastava, S. 2008. 'Characterization of a new isolate of *Pseudomonas fluorescens* strain Psd as a potential biocontrol agent'. *Lett. Appl. Microbiol.*, 47: 98-105.

- Mandira, M. and Srivastava, S. 2008.** 'Stress-responsive indole-3-acetic acid biosynthesis by *Azospirillum brasilense* SM and its ability to modulate plant growth'. *Eur. J. Soil Biol.* doi: 10.1016/j.ejsobi.2008.05.006.
- Ghosh, N., Kumar, M., Tiwari, S.K. and Srivastava, S. 2008.** 'Probiotic potential of two environmental isolates of Lactic acid bacteria, *Lactobacillus plantarum* LR/14 and *Enterococcus faecium* LR/6'. *International Journal of Probiotics and Prebiotics*, 3: 199-206.
- Juyal, G., Midha, V., Amre, D., Sood, A., Seidman, E. and Thelma, B.K. 2009.** 'Associations between common variants in the MDR1 gene and ulcerative colitis among North Indians'. *Pharmacogenet Genomics*, 19: 77-85.
- Tiwari, A.K., Prasad, P., Thelma, B.K., Kumar, K.M., Ammini, A.C., Gupta, A. and Gupta, R. 2009.** 'Oxidative stress pathway genes and chronic renal insufficiency in Asian Indians with Type 2 diabetes'. *Journal of Diabetes and Its Complications*, 23: 102-11.
- Thelma, B.K. 2009.** 'From Genomics to 'Ayurgenomics''. In: PHISPC series on *History of Science, Philosophy and Culture in Indian Civilisation*, Volume: *Life and Organicism*, (ed.), N.S. Rangaswamy, Gen. Editor D.P. Chattopadhyaya, Vol. XII Part 6. pp. 257-75. Center for Studies in Civilizations.
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PLANT MOLECULAR BIOLOGY (SDC)

Major Activities

High Throughput Transcriptome Analysis and Functional Validation of Genes in Rice:

The work on sequencing of euchromatic region of chromosome 5 of tomato is continuing. In all, 46 BAC clones were mapped and sequence of about 40 BAC clones is in advanced stages. Further, new genetic markers were also developed to anchor more BAC clones. The functional analysis of selected seed-specific rice genes encoding zinc-finger proteins and a homolog of *LEC* has revealed embryo-specific role. An endosperm-specific promoter has been found which could help improve seed-specific traits. Analysis of *SAP* and *RLCK* genes has revealed their role in abiotic stress and components involved in interactions at the protein level.

Genes regulating plant development:

Light is perceived by plants through various sensory photoreceptors, like phytochrome, cryptochromes (CRYs) and phototropins, to regulate various aspects of plant development. One of the genes which functions in controlling flowering time is CRY2, the blue/UV-A light sensing photoreceptor. The CRY2 genes of *Brassica napus* have been sequenced and characterised. The sequencing of both copies of BnCRY2 is nearly complete and they show *ca* 87% identity. Employing particle bombardment of CRY2:GUS reporter gene construct in white onion peels, we have been able to demonstrate that CRY2 protein of *B. napus* is

nuclear localized. The relative expression of these two genes has been examined by real-time PCR using gene-specific primers and they do express differentially in a tissue-specific manner. One of these two *CRY2* genes (*CRY2A*) has been over-expressed in *B. juncea*, which is more amenable for genetic transformation. The transgenics in T1 generation display expanded cotyledons and first leaf, and also flower precociously, a useful agronomic trait.

Calcium and phosphatase mediated signaling pathways under abiotic, nutrient limitation stress and developmental conditions in plants:

Currently two major research programmes are being undertaken, detailed mechanistic analysis of calcium mediated signaling under abiotic stress in *Arabidopsis* and rice and genome wide expression analysis of protein phosphatase family involved in abiotic stress and development in rice. We are characterising the functional role of CIPK13 and CIPK21 by both genetic and biochemical approach to decipher their function in salt and drought mediated signaling pathway. The T-DNA insertion mutants of both CIPK13 and 21 showed hypersensitivity response under the mentioned abiotic stresses. In rice, we have cloned several CBLs and CIPKs cDNA into yeast two-hybrid vector for their interaction analysis. Once all the CBLs (10 members) and CIPKs (30 members) are cloned into yeast two-hybrid vector, a comprehensive protein interaction map between rice CBL and CIPK will be made. In genome wide expression analysis of phosphatase gene family involved in abiotic stress and development in rice, we have identified a total of 132 phosphatase gene complements comprising Ser/Thr and Tyrosine phosphatases in rice, out of which 78 genes are differentially expressing under abiotic stress and developmental conditions, including cold, drought, salinity and different stages of development such as panicle formation and seed development stages.

Stress Molecular Biology:

Detailed characterisation of various proteins belonging to the Hsp100, sHsp and HSF classes in genus *Oryza sativa* has been carried out. Rice genome sequence has 26 *OsHsf* genes, of which 25 possess all the important domains noted in HSFs, i.e. DNA binding domain (DBD), oligomerization domain (OD), nuclear localization signal (NLS), nuclear export signal (NES) and AHA type activation domains. *OsHsf* entry LOC_Os06g226100 has the oligomerization domain but lacks other domains. Expression profiling shows that 22 *OsHsf* genes are induced by high temperature, 10 *OsHsf* genes are induced against low temperature stress and 14 *OsHsf* genes are induced against oxidative stress. *In silico* promoter analysis showed that *OsHsf* genes contain upstream regulatory elements corresponding to different stresses.

We wish to do the following project in collaboration:

Plant Biotechnology:

As **wheat** is a temperate crop, it is prone to heat stress during the grain filling stages (seed maturation) in the northern regions of India, while heat stress during the seedling stages is more prevalent in the mid-western regions of India. Hence, a programme has been initiated to understand the gene expression profile of the sensitive and tolerant cultivars of wheat under heat stress by subtractive hybridization, both at the seedling and grain filling stages. Some genes of interest have been characterised in detail.

Towards enhancing the nutritional status of this important crop, a sub-project aimed at isolating the vitamin E biosynthetic genes is also underway. The key genes associated with vitamin E have been cloned, sequenced and are ready for transformation. For comparative analysis, these biosynthetic genes have been analyzed in rice as well.

Wheat transgenics with HVA1 gene have also been developed for their tolerance against drought and salinity stress. Dihaploids have been used to create a homozygous population which would prevent segregation of the trait in the progeny.

Towards development of transgenic **mulberry** (*Morus indica*) for abiotic stress tolerance, transgenics have been characterised (with HVA1 gene). Second-level genetic transformation of mulberry with inducible promoters undertaken and molecular characterisation of second-level transgenics is being carried out. Towards the development of drought tolerant mulberry with target genes, full-length genes of interest have also been cloned in expression vectors construction with inducible promoters.

A subtractive cDNA library from mature leaf tissue of *M. indica* var. K2 for dehydration stress has been constructed to provide clones for EST generation. Sequencing and analysis of normal and subtractive cDNA libraries for identification of novel genes yielded in some novel genes. Functional characterisation of these genes is in progress. Northern analysis and RT-PCR analysis is being used to study the gene expression profiles of these genes in different tissues at various stages of development.

Comparative transcriptome profiling of genes from wild type and *rin* mutant fruits at immature green (IMG), breaker (B) and red ripe (RR) stages revealed that a total of 1802 genes were differentially expressed between wild type and *rin* mutant. Validation of the microarray data for the genes involved in synthesis and signaling of auxin and ethylene has been carried out by real-time PCR. To address the components involved in stress tolerance of tomato (*Solanum lycopersicum*), a stress responsive gene family encoding A20/AN1 zinc finger proteins was characterised. All 13 genes of this family were cloned. Out of 13 genes, 12 have been mapped on their respective chromosomes and their expression in response to various stresses was analysed. The phylogenetic analysis of these genes, along with their orthologs from Solanaceae species, suggests the presence of a common set of SAP genes in the studied Solanaceae species.

Functional Genomics:

Understanding the molecular basis of heterosis has been an illusive dream for biologists for over a century. After establishing the facility for high throughput transcriptomics, a programme for associating phenotypes in an F₂ segregating population of a high yielding rice commercial hybrid was initiated. Whole genome microarray based transcriptome analysis of eleven stages of vegetative and reproductive development of two parental lines and their hybrid has helped in shortlisting genes that exhibit over-dominant and under-dominant expression patterns. By associating these genes to gene regulatory networks and specific phenotypic characteristics of the F₂ segregating population, we hope to identify the molecular factors that contribute to the process of hybrid vigour.

Furthermore, efforts are also underway to profile methylation patterns of rice genome during reproductive development. Overlaying of methylome profiles over the transcriptome profiles obtained for identical stages would help reveal the epigenomic component of the gene regulatory networks that control reproductive development.

Molecular Virology:

In a project aiming to obtain molecular information about a virus infecting citrus trees in India, full genome of the *Citrus yellow mosaic badna virus* (a DNA virus with a genome size of 7.5 kb) was obtained from two citrus species, acid lime (*Citrus aurantifolia*) and pummelo (*C. grandis*). Sequence analysis of the cloned DNA has, for the first time, shown that they are highly homologous to the virus infecting another citrus species, Sweet orange (*C. sinensis*). Analysis of the sequence has made possible the prediction of functions of a few viral genes, the information on which has been otherwise limited for the entire group of double-stranded plant DNA viruses. In another project, a virus-derived gene silencing vector for rice was developed, which showed up to 80 per cent fall in transcript levels of an endogenous rice gene encoding phytoene desaturase within 2-3 weeks of injecting the vector in rice plants. The above silencing resulted in photobleaching phenotype in emerging leaves of the silenced plant.

Stress-specific genomics of small non-coding RNAs in wheat:

Small, non-coding RNAs are known to regulate gene expression by guiding mRNA cleavage, translational inhibition or chromatin modifications in eukaryotes. Functional characterisation of small RNAs has shown that they not only control development processes in plants but also define a plant's response to stress conditions such as environmental challenges and pathogen attack. Our laboratory is involved in integrating the discovery of small RNAs and abiotic stress molecular biology in crop plant, wheat. For high throughput sequencing of small RNAs, we procured a next generation sequencing platform, Illumina Genome Analyzer II (GAII). Seedlings of *Triticum aestivum* were treated with a range of high temperature stress and untreated tissue was harvested as control sample for comparison. Small RNA-cDNA libraries were constructed which were subsequently sequenced using GAII. Preliminary data analysis shows good-quality, high throughput sequencing of approximately 4-5 million tags in each sample. This sequencing data is being processed, which involves filtering of high quality sequences for non-coding RNAs and predicting their targets. The identification and validation of small RNAs in wheat and other crops will possibly be employed to understand the molecular mechanisms regulating stress tolerance in these plants.

Emphasis was also given to study the microRNA population in different tissues as well as different cultivars of *indica* rice. To identify novel miRNAs in *indica* rice cultivars, a small RNA cDNA library was prepared from leaf and inflorescence tissue and deep sequencing was done to generate 10 million sequences each. Data analysis is in progress to identify novel miRNAs from the sequence data. Subsequently, expression profiling of known miRNAs has been done to identify their profile under drought stress.

Ph.D./M.Phil Degree award

Ph.D.s awarded : 2
M.Phil.s awarded : 3

Research schemes

DBT Centre for Excellence for Development of High throughput Approaches to understand Molecular basis of Heterosis in Rice for Precision Breeding. Sponsoring Organisation DBT

Small RNA Genomics of Indian Mustard and Wheat: Tissue-Specific and Abiotic Stress related Profiling. Sponsoring Organisation DBT

Grant for establishment of open facility for sequencing by 1G Genome Analyser. Sponsoring Organisation DBT

Development of virus resistance in rice based on RNA-interference. Sponsoring Organisation DBT

Over-expression of cold-induced genes encoding mitogen activated protein kinase 3 and alternative oxidase 1 in tomato to improve cold tolerance. Sponsoring Organisation DBT

Manipulation of fruit ripening by phase specific gene silencing – A case study with tomato LeEIL1 and LeEIL3. Sponsoring Organisation DBT

Development of transgenic pollination control system and identification of heterotic pools in rice for production of high yielding hybrids. Sponsoring Organisation DBT

Identification and characterization of differentially expressed genes during heat stress in wheat. Sponsoring Organisation DBT

Programmes taken up involving Inter-institutional collaboration

Functional genomics of thermal tolerance in wheat. Sponsoring Organisation DBT under the Indo-Swiss Collaboration in Biotechnology.

Appointment of faculty members to higher Posts/Assignments

Prof. J.P. Khurana: Chairman of the Expert Panel on 'Fast Track Scheme (Life Sciences) for Young Scientists', constituted by the Department of Science and Technology (DST), Government of India (2008-2011).

Member of the Committee constituted by DBT to evaluate proposals under the STAR College Scheme 2008; Member of the Technical Screening Committee of Small Business Innovation Research Initiative (SBIRI), constituted by the Department of Biotechnology Technology, Government of India (from September 2008 onwards); Member of the Sectional Committee on 'Frontier Science' of the National Academy of Agricultural Sciences (NAAS), New Delhi, for Election of Fellowship to the Academy (since September 2008); Member of the Local Organising Committee of the Indian National Science Academy, New Delhi, for Platinum Jubilee Celebrations in 2009; Member of the Executive Committee of the Asia Oceania Society of Photobiology (AOSP), as Indian Representative; Member of DST-PAC for International Cooperation in Life Sciences.

Appointed Convener, Delhi Local Chapter, of Indian National Science Academy (INSA), New Delhi (from 1.4.2009 to 31.3.2012).

Member of the Executive Committee of National Science Centre, Government of India, New Delhi (from February 2009 onwards); Member of the Committee constituted by the National Academy of Agricultural Sciences to review and develop guidelines for regulating various awards of the Academy. Member of the Academic Committee of CIMAP, Lucknow, for the Award of Ph.D. Degree of JNU, from 18 March 2009 onwards (for a two-year term); Member of the Fellowship Scrutiny Committee (Biological Science) of National Academy of Sciences, India, and Selection Committee for NASI-Young Scientist Award, for the year 2009.

Honours/Distinctions

Prof. A.K. Tyagi: BP Pal Memorial Award, ISCA, 2008.

Prof. J.P. Khurana:

Prof. Panchanan Maheshwari Memorial Lecture Award, given by the Indian National Science Academy (INSA), New Delhi (for the year 2008).

Prof. A. Grover: Selected member of the Editorial Board, *Plant Physiology and Biochemistry* (Elsevier).

Selected member of the Editorial Board, *Plant Science* (Elsevier).

Seminars/Conferences held

Annual student symposium was held in the Department on 19-20 February 2009.

Organised a UGC-SAP sponsored Workshop on 'Advances in Molecular Biology and Biotechnology', at Delhi University South Campus, in March 2009.

Seminars/Conferences attended

Prof. A.K. Tyagi: Indo-Australian Workshop on Transgenics, NIPGR, New Delhi, 2008.

SOL2008, Germany, 2008.

Royal Society-India Food Crop Production Workshop, NIPGR, New Delhi, 2008.

International Rice Functional Genomics Symposium, Korea, 2008.

Keynote address at 49th Annual Conference of AMI, Delhi University, Delhi, 2008 (chaired a session).

International Meeting on A Journey from Plant Physiology to Plant Biology, Bose Institute, Kolkata, 2008.

Keynote address at TOSI Meeting, PU, Chandigarh, 2008.

Indo-Chinese Bilateral Workshop on Plant Genomics and Quantitative Genetics, CCSU, Meerut, 2009 (chaired a session).

Prof. J.P. Khurana: Delivered an invited lecture at Bose Institute, Kolkata, April 2008.

Delivered an invited lecture in the Summer School organised by the School of Life Sciences, JNU, June 2008.

Delivered an invited lecture in a refresher course at University of Agricultural Sciences, GKVK, Bangalore, July 2008.

Delivered a Plenary Lecture in the National Conference organised by the Indian Society of Photobiology, at Jadavpur University, Kolkata, August 2008.

Delivered an invited lecture in a Symposium on 'Safety and Allergenic Assessment of G.M. Foods – Indian Perspective', held at the Institute of Genomics and Integrative Biology, Delhi, August 2008.

Delivered an invited lecture in the International Symposium on 'Novel Approaches for Food and Health Security in High Altitudes', organised by the Defense Institute of High Altitude Research, at Leh, Ladakh, September 2008.

Participated in the 5th Solanaceae Genome Workshop (SOL 2008), held at Cologne, Germany, October 2008.

Delivered a Plenary Lecture in the Conference organised to celebrate the Golden Jubilee of Indian Society of Plant Physiologists, held at IARI, New Delhi, November 2008.

Delivered a lecture in the workshop 'Excitements in Science', during an interactive meeting with Science Teachers sponsored by Delhi Public School Society and the Indian National Science Academy, held at DPS, Dwarka, November 2008.

Chaired and convened a session on 'Plant-Microbe Interaction' during the International Conference organised by the Association of Microbiologists of India, Delhi University, November 2008.

Convened and chaired a session and delivered a Plenary Lecture in the 4th Asia Oceania Conference on Photobiology, held at BHU, Varanasi, 24-26 November 2008.

Delivered a lecture in the Department of Microbiology and Centre for Biotechnology, M.S. University, Baroda, December 2008.

Delivered a lecture in a workshop held at the University of Agricultural Sciences (UAS), Bangalore, March 2009.

Prof. P. Khurana: Presentation on 'Genes and Genomics for Crop Improvement' at the National Center for Genetic Engineering and Biotechnology, Thailand, under the Science Meeting on Agricultural Biotechnology, April, 2008.

Presentation on 'Genetic Engineering and Expression Profiling for Abiotic Stress Tolerance during Embryogenesis in Wheat' at the Institute of Plant Biology, Zurich, Switzerland, under the Indo-Swiss collaboration in Biotechnology, August 2008.

Invited talk on 'Molecular/Biotechnological Approaches for Sustainable Agriculture' in the International Conference on Novel Approaches for Food and Health Security in High Altitudes, organised by the Defence Institute of High Altitude Research, DRDO, Leh-Ladakh, India, September 2008.

Invited talk on 'Genes and Genomics for Mulberry Improvement' at the National Seminar on Scenario of Seribiotechnological Research in India, organised by the Department of Sericulture, Sri Padmavati Mahila Visvavidyalam, Tirupati, August 2008.

Special presentation on 'Role of Genomics and Transcriptome Characterization in Mulberry Improvement' at Central Sericultural Germplasm Resources Centre, Hosur, Tamil Nadu, September 2008.

'Engineering Crops for the Future' at the National Conference on Future of Food Biotechnology in India at NIT Durgapur, West Bengal, January, 2009.

Plenary talk on 'Prospect and Potentials of Genomics for Plant Improvement' at the National Conference on Frontiers in Biological Sciences, organised by the BRD School of Biosciences, Sardar Vallab Patel University, Vidyanagar, February 2009.

Invited talk on 'Genoinformatics for Plant Improvement' at the National Seminar on 'Bioinformatics: Approaches and Applications in Biosciences', organised by the Women's College under the UGC TRIEA programme at BHU, March 2009.

'Role of Genomics and Transcriptome Characterization in Mulberry Improvement' at the National symposium on 'Plant Propagation, Conservation, Modification and Characterization' held at IHBT, Palampur, April 2009.

Prof. Anil Grover: Delivered an invited lecture at CEMDE, Delhi University, March 2009.

Delivered an invited lecture at UAS, Bangalore, March 2009.

Attended DBT Task Force meeting at Port Blaire, Andmaan and Nicobar, January 2009.

Attended BOYSCAST Fellowship meeting, Hyderabad, December 2008.

Attended International seminar at Jaipur, Rajasthan, October 2008.

Delivered an invited lecture at Gargi College, Delhi University, August 2008.

Prof. Indranil Dasgupta: Delivered an Invited Lecture titled 'Interactions between Rice tungro viruses and Rice: Using RNA-interference to achieve viral resistance' at International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics, Delhi University, November 2008.

Delivered an Invited Lecture titled 'Controlling Rice tungro disease by RNA-interference' at International Conference on A Journey from Plant Physiology to Plant Biology, in Commemoration of the 150th Birth Anniversary of Sir J. C. Bose and the Birth Centenary of Prof. S. M. Sircar, Bose Institute, Kolkata, November 2008.

Delivered an Invited Lecture titled 'RNA-interference as a tool for virus control in crops' at Eighteenth National Conference of the Indian Virological Society, Post Graduate Institute for Medical Education and Research, Chandigarh, December 2008.

Dr. Arun Sharma: Participated in conference on Understanding the mechanism of cold stress response in tomato at International Conference on Molecular Biology and Biotechnology, held at Banasthali Vidyapith, Rajasthan, October 2008.

Attended 2nd International Conference in Cellular and Molecular Biology at School of Life Sciences, Jawaharlal Nehru University, New Delhi, January 2008.

Participated in conference on Studies on cold tolerance in tomato' at National Symposium on Plant Biotechnology for Conservation Characterisation and Crop Improvement held at Mohanlal Sukhadia University, Udaipur, February 2008.

Dr. S. Kapoor: Delivered an invited lecture in a International Conference on Plant Biotechnology and Molecular Biology, Kakatiya University, Warangal, August 2008.

Attended and delivered a talk on 'Microarray based methylome profiling' at International Conference on Rice Functional Genomics at Jeju, Korea, November 2008.

Delivered a Plenary Lecture at the Annual Day of Rajguru College of Applied Sciences, Delhi, November 2008.

Delivered an invited lecture at Jamia Hamdard University, Delhi, March 2009.

Dr. Surekha Katiyar-Agarwal: Attended Illumina sponsored 'User-group meeting' and 'Bio-informatics workshop' in Kota Kinabalu, Malaysia, April 2009.

Delivered a talk in UGC-SAP Seminar on Advances in Molecular Biology and Biotechnology organised by the Department of Plant Molecular Biology, UDSC, March 2009.

Delivered a talk in UGC-SAP Workshop on RNA Rules organised by the Department of Genetics at UDSC, October 2008.

Publications

Articles in Journals

Borah, B.K., Johnson, A.M.A., Sai, G, DVR and Dasgupta, I. 2008. 'A comparison of four DNA extraction methods for the detection of Citrus yellow mosaic badnavirus from two species of citrus using PCR and dot-blot hybridisation'. *J. Virological Methods*, 151: 321-4.

Bovill, W.D., Deveshwar, P., Kapoor, S. and Able, J.A. 2008. 'Whole genome approaches to identify early meiotic gene candidates in cereals. *Functional and Integrative Genomics*, DOI 10.1007/s10142-008-0097-4.

Gupta, A., Ray, S., Kapoor, S. and Khare, S.K. 2008. 'Identification and nucleotide sequencing of *Pseudomonas aeruginosa* gene: molecular characterisation and phylogenetic studies'. *J. Mol. Microbiol. Biotechnol.*, DOI: 10.1159/0001074888.

- Jain, M., Tyagi, A.K. and Khurana, J.P. 2008.** 'Genome-wide identification, classification, evolutionary expansion and expression analyses of homeobox genes in rice'. *FEBS J.*, 275: 2845-61.
- Kapoor, M., Arora, R., Lama, T., Nijhawan, A., Khurana, J.P., Tyagi, A.K. and Kapoor, S. 2008.** 'Genome-wide identification, organization and phylogenetic analysis of Dicer-like, Argonaute and RNA-dependent RNA Polymerase gene families and their ex-pression analysis during reproductive development and stress in rice'. *BMC Genomics*, 9: 451.
- Khurana, P., Visnudasana, D. and Chibbar, A.K. 2008.** 'Genetic approaches towards overcoming water deficit in plants – Special emphasis on LEAs'. *Physiol. Mol. Biol. Plant*, 14: 277-98.
- Lal, S., Gulyani, V. and Khurana, P. 2008.** 'Overexpression of HVA1 gene from barley generates tolerance to salinity and water stress in transgenic mulberry (*Morus indica*)'. *Transgenic Res.*, 17: 651-63.
- Li, L-G. Lubomir, N., Sokolov, Yong-Hua Yang, Dong-Ping Li, Julie Ting, Pandey, G.K. and Sheng, L.A. 2008.** 'Mitochondrial magnesium transporter functions in *Arabidopsis* pollen development'. *Mol Plant*, 1: 675-85
- Mahajan, S., Pandey, G.K. and Tuteja, N. 2008.** 'Calcium-and salt-stress signalling in plants: shedding light on SOS pathway'. *Arch. Biochem. Biophys.* 471: 146-58.
- Mir, R.R., Rustgi, S., Sharma, S., Singh, R., Goyal, A., Kumar, J., Gaur, A., Tyagi, A.K., Khan, H., Sinha, M., Balyan, H.S. and Gupta, P.K. 2008.** 'A preliminary genetic analysis of fibre traits and the use of new genomic SSRs for genetic diversity in jute'. *Euphytica*, 161: 413-427.
- Mittal, D., Borah, B.K. and Dasgupta, I. 2008.** 'Agroinfection of cloned Sri Lankan *cassava mosaic virus* DNA to *Arabidopsis thaliana*, *Nicotiana tabacum* and *cassava*'. *Archives Virology*, 153: 2149-55.
- Pandey, G.K. 2008.** 'Emergence of a Novel Calcium Signaling Pathway in Plants: CBL-CIPK Signaling Network'. *Physiol. Mol. Biol. Plants*, 14: 51-68.
- Pandey, G. K., Grant, J. J., Cheong, Y.H., Kim, B-G., Li, L. G. and Luan. S. 2008.** 'Calcineurin-B-Like Protein CBL9 Interacts with target kinase CIPK3 in the regulation of ABA response in seed germination'. *Mol. Plant*, 1: 238-48.
- Paul, L.K. and Khurana, J.P. 2008.** 'Phytochrome-mediated light signaling in plants: Emerging trends'. *Physiol. Mol. Biol. Plants*, 14: 9-22.
- Singla, B., Khurana, J.P. and Khurana, P. 2008.** 'Characterisation of three somatic embryogenesis receptor kinase genes from wheat, *Triticum aestivum*'. *Plant Cell Rep*, 27: 833-43.

Sharma, M.K., Jani, D., Thungapathra, M., Gautam, J.K., Meena, L.S., Singh, Y., Ghosh, A., Tyagi, A.K. and Sharma, A.K. 2008. 'Expression of accessory colonization factor subunit A (ACFA) of *Vibrio cholerae* and ACFA fused to cholera toxin B subunit in transgenic tomato'. (*Solanum lycopersicum*). *J. Biotechnol*, 135: 22-7.

Sharma, P., Kumari, H., Kumar, M., Verma, M., Kumari, K., Malhotra, S., Khurana, J. and Lal, R. 2008. 'From bacterial genomics to metagenomics: Concept, tools and recent advances'. *Indian J. Microbiol*, 48: 173-94.

Vij, S., Giri, J., Dansana, P.K., Kapoor, S. and Tyagi, A.K. 2008. 'The receptor-like cytoplasmic kinase (*OsRLCK*) gene family in Rice: Organization, phylogenetic relationship and ex-pression during development and stress'. *Molecular Plant*, 1-19.

Vij, S. and Tyagi, A.K. 2008. 'A20/AN1 zinc-finger domain-containing proteins in plants and animals represent common elements in stress response'. *Funct. Integr. Genomics*, 8: 301-7.

Vyas, S., Gaur, A., Tyagi, A.K. and Purohit, S.D. 2008. 'Assessment of genetic diversity in *Feronia limonia* (L.) Swingle populations'. *International J. Sustainable Forestry*, 27: 328-42.

Lal, S., Ravi, V., Khurana, J.P. and Khurana, P. 2009. 'Repertoire of leaf expressed sequence tags (ESTs) and partial characterization of stress-related and membrane transporter genes from mulberry (*Morus indica* L.)'. *Tree Genetics and Genomes* (available online, DOI 10.1007/s11295-008-0192-7).

Singh, A., Sahi, C. and Grover, A. 2009. 'Chymotrypsin protease inhibitor gene family in rice: Genomic organization and evidence for the presence of a bidirectional promoter shared between two chymotrypsin protease inhibitor genes'. *Gene*, 428: 9-19.

Reviews

Gupta, V., Mathur, S., Solanke, A.U., Sharma, M. Kumar, K., Vyas, R., Khurana, S., Khurana, P., Tyagi, J.P. and Sharma, A.K. 2009. 'Genome analysis and genetic enhancement of tomato'. *Crit. Rev. Biotechnol.*, 24: 1-30.

Books

Khurana, P., Chibbar, A., Singla, B., Chauhan, H., Chaudhary, N. and Ratnu, V. 2008. 'Wheat Biotechnology: From genes to genomics'. Tree genomics. In: Arya, I.D. and Arya, S. (eds), pp. 55-65. *Utilization of biotechnology in plant sciences*. Dehradun: Forest Res. Institute.

Khurana, P., Chauhan, H. and Desai, S.A. 2008. 'Wheat'. In: Kole, C., Hall T.C. (eds), *A Compendium of Transgenic Crops*, Vol. I, *Cereals and Forage grasses*. Oxford, UK: Blackwell Publishing, pp. 83-100.

Khurana, P. 2008. 'Roselyn Sussman Yalow', In: *Nobel Laureate woman scientists*. India: The National Academy of Sciences, pp. 20-22.

2008. 'Rita Levi-Montaleini', In: *Nobel Laureate woman scientists*. India: The National Academy of Sciences, pp. 28-30.

2008. 'Christiana Nusslein-Vollard', In: *Nobel Laureate woman scientists*. India: The National Academy of Sciences, pp. 35-7.

Tyagi, A.K., Khurana, J., Khurana, P., Vij, S., Jain, M. and Ravi, V. 2008. 'Evolution and phylogenetic relationship of rice genome'. In: Sharma, A.K. and Sharma, A. (eds), *Plant Genome: Biodiversity and Evolution*, Volume 1E: *Phanerogams: Angiosperms*, Inc., USA: Science Publishers, 15-41.

Grover, A., Chandramouli, A., Agarwal, S., Agarwal, M. and Sahi, C. 2009. 'Transgenic rice for tolerance against abiotic stresses'. In: Datta, S.K. (ed.), *Rice Improvement in the Genomic Era IRRI*. USA: Hawarth Press, pp. 237-67

Khurana, P. 2009. 'Molecular/biotechnological approaches for sustainable agriculture'. In: Singh, S.B., Chaurasia, O.P., Yadav, A., Rimando, A.M. and Terrill, T.H. (eds), *Advances in Agriculture Environment and Health*. Delhi: SS Publishing House, pp. 301-8.

PHYSICAL EDUCATION AND SPORTS SCIENCES

Maior Activities

The Department prepared the curriculum for Semester System for the B.P.Ed. and M.P.Ed. Courses, including their respective credit systems after conducting two National Workshops - one for M.P.Ed. Course and the other for B.P.Ed. Course. The Semester System Courses have been approved by the Committee of Courses and forwarded to the Faculty.

The Department instituted doctorate fellowships and registered candidates for doctorate degrees.

The Departmental Council was formally constituted consisting of teachers recognised (for post-graduate teaching in Physical Education and Sports Sciences) by Delhi University.

The Application Course in Physical Education and Sports Sciences was approved in 16 colleges of Delhi University.

The Courses of B.A. (Application Programme have been revised) to make them more suitable to social needs.

The department held three meetings of D.R.C. and approved nine cases for registration to doctorate degree and prepared

Appointment of faculty members to higher Post/Assianments

Dr. O.K. Kansal: Member, Expert Committee, for Evaluation and Assessment of Research Papers submitted by college teachers concerning travel grant assistance to attend International Conferences abroad vide D.O. NO.F.1-1/2008 (TG) dated 7.7.2008.

Member, Selection Committee, for selection of University Director, Physical Education, at Punjab University on 22 September 2008.

Resource Person at Workshop on Curriculum Development of post-graduate courses held at LNIPE (Deemed University), Gwalior, 5-7 January 2009.

Appointed as Research Co-Supervisor for Ph.D. supervision at Jamia Milia Islamia University, New Delhi, 24 June 2008.

Seminars/Conferences held

Dr. (Mrs.) M.K. Singh, Reader of the Institute, presented two papers at the National Seminar on 'Recent Researches in Physical Education and Sports' held on 5-6 November 2008 at Maharaja Agrasen College, Delhi University.

Mr. Surender Kumar, Research Scholar, presented a paper on 'The Parents' Role in Counteracting Child's Obesity and Promoting Physical Activity' at the International Conference held at Busan, Korea.

He also participated in four International Conferences held in Korea on 15 June, 18-20 and 25-27 September and 17-19 October 2008.

The Department conducted a Workshop on Personality Development on 28 April 2009.

A Workshop-cum-Seminar was conducted at Miranda House which discussed the Institute of Disciplinary Course of Physical Education in Miranda House, to be started in July 2009.

Publications

Books

Kansal, D.K. 2008. *Textbook of Applied Measurement, Evaluation and Sports Selection.* New Delhi: Sports and Spiritual Science Publications.

Singh, M.K. 2008. *Comprehensive Badminton.* New Delh: Friends Publications.

Singh, M.K. and Jain, P. 2008. *Yoga Aur Manoranjan.* New Delhi: Khel Sah. Kendra.

Singh, M.K. 2008. 'Doping'. Proceedings of UGC sponsored National Seminar on Recent Researchers in Physical Education and Sports, pp. 12-13. Maharaja Agrasen College, Mayur Vihar, Delhi.

Singh, M.K. and Gupta, R. 2008. 'Analytical Study of Lifestyle and Behaviour Modification of Players Through Diet and Nutrition'. Proceedings of UGC sponsored National Seminar on Recent Researchers in Physical Education and Sports, Maharaja Agrasen College, Mayur Vihar, Delhi, pp. 46-9.

MICROBIOLOGY (SDC)

Major Activities

The primary focus of our Department's research is the investigation of microbial enzymes and diversity. The key enzymes from various bacteria, yeasts and fungi that are being concentrated on are proteases, lipases, phytases, lignolytic enzymes and amylases.

The bench scale process for xylanase, laccase, pectinase and protease production in submerged and solid state fermentations have been developed for application in bleaching of soda pulp and hand-made paper pulp, respectively. The processes are being developed for bioconversion of wheat straw into improved animal feed and ethanol production from plant materials. Recently, laccase has successfully catalyzed the synthesis of oxafavin. Carbonic anhydrase of *Bacillus pumilus* and *Sporosarcina pasteurii* has been shown to be useful in carbon sequestration. An increase in lysine production by *Corynebacterium glutamicum* was recorded at 1 – 2% carbon dioxide. Acidophilic *Bacillus acidicola* produces Ca⁺⁺ independent α -amylase, which is optimally active at 60 °C and pH 4 – 5. A novel keratinolytic composition has been developed which can act both on a and \hat{a} keratins, especially nail. Its potential to be used as an ungual enhancer is being worked out.

Detailed study has been carried out on glycolipid biosurfactant from newly isolated *Yarrowia* sp. An extractable yield of 11.5 g/l has been achieved by optimizing various nutritional and physical parameters. A new concept grant for microbial cellulose production for therapeutic uses has been sanctioned by CSIR. Active research is being carried out on the production of biodiesel. Final results towards leather processing has resulted in a technology development that is awaiting transfer through CSIR.

The use of multilocus enzyme electrophoresis (MLEE) showed that the aquatic and clinical strains of *Yersinia enterocolitica* isolated from India constituted two distinct clusters. Furthermore, analysis of multilocus variable number tandem repeats (VNTR) by minimum spanning tree revealed that aquatic *Yersinia enterocolitica* strains represent the primordial species from which the clinical strains seems to have been evolved. By using suppression subtractive hybridization (SSH) between the clinical and non-clinical strains of *Y. enterocolitica*, more than 120 clones have been identified which are being analysed to identify novel virulence-related genes in clinical strains to understand the mechanism of their pathogenicity.

Towards studying DNA replication in *Leishmania major*, orthologs of eukaryotic proteins such as ORC1 have been cloned and purified and their functional significance is being assessed. The importance of the toxin-antitoxin loci in *Mycobacterium tuberculosis* is being investigated. Thirty-two toxin-antitoxin loci of *Mycobacterium tuberculosis* have been cloned in newly designed *E. coli* and mycobacterial expression vectors. The functional significance of these genes will be assessed.

Ph.D./M.Phil Degrees awarded

Ph.D.	:	6
M.Phil.	:	1

Research schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Preparation and screening of DNA library from wood decaying soil and termite mounts for novel Lignocellulolytic enzymes.	Prof. R.C. Kuhad	DBT
Evaluation of xylanase and laccase at pilot and mill scale in pulp and paper industry.		DBT
Process development for ethanol production from lignocellulosic biomass.		DBT
Recovery and expression of thermo-alkali-stable xylanase from alkaline and hot environments by culture independent metagenomic approaches.	Prof. T. Satyanarayana	DBT
Characterisation of ketoreductase from newly isolated yeast strains: Application in production of enantiopure phenylethanol	Prof. Rani Gupta	UGC
Uncovering genomic differences between clinical and non-clinical isolates of strains of <i>Yersinia enterocolitica</i> isolated from India.	Prof. J.S. Viridi	ICMR

Programmes taken up involving Inter-institutional collaboration

Carbon sequestration using bacteria (collaboration with BHU (Varanasi), RD University (Jabalpur) and NEERI (Nagpur). Principal Investigator Prof. T. Satyanarayana Sponsoring Organization DBT.

Diversity of Gram-positive bacteria [Centre for Research on Bacteria and Archaea (under AICOPTAX programme of Ministry of Environment and Forests)] Multi-institutional project (UDSC (New Delhi), RD University (Jabalpur), BHU (Varanasi), Ajmer University (Ajmer), Agarkar Research Institute (Pune). Sponsoring Organization MoEF

Molecular and biochemical studies on secretory proteins of intracellular pathogens (In collaboration with Institute of Genomics and Integrative Biology) Principal Investigator Prof. J.S. Virdi Sponsoring Organization CSIR

Preparation and screening of DNA library from wood decaying soil and termite mounts for novel Lignocellulolytic enzymes. Kurukshetra University (Kurukshetra), CPPRI (Saharanpur), Jay Biozyme Technology (Pune). Principal Investigator Prof. R.C. Kuhad Sponsoring Organization DBT

Process development for ethanol production from lignocellulosic biomass. IIT (Delhi), O.U. (Hyderabad) and IICT (Hyderabad). Sponsoring Organization DBT

Honours/Distinctions

Prof. R.C. Kuhad: General Secretary, Association of Microbiologists of India.

Member, Academic Council, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat, Haryana.

Executive Council, G.J. University, University of Science and Technology, Hisar, Haryana.

Prof. T.Satyanarayana: Fellow of National Academy of Agricultural Sciences (NAAS).

Prof. J.S. Virdi: Editor, *Gut Pathogens* (BMC Journal).

Joint Secretary, Association of Microbiologists of India.

Seminars/Conferences held

National conference in collaboration with the Department of Zoology, Delhi University, Association of Microbiologists of India.

Seminars/Conferences attended

International conference on BIT's Annual World Congress Bio-2008, China, 18-21 May 2008.

108th Annual meet of American Society of Microbiology, Boston, 1-5 June.

Participated in the AMI Conference held at Delhi and chaired a session.

Participated in the BRSI Conference held at Hyderabad, and delivered Invited Lectures and chaired a session.

International Conference on Business Incubation, 'Creating an Innovation Economy through Entrepreneurs and Incubation', Mumbai, 27-29 January 2009.

International Conference on microbial biotechnology Microcon 2009: Microbes for the Sustainability of Mankind' organised by CEAST. Punjab University Chandigarh, 3-4 March 2009.

13th ISCBC International Conference on 'Interplay of chemical and biological sciences: impact on health and environment', Jointly organised by the Department of Chemistry, Delhi University, and Indian Society of Chemists and Biologists, Lucknow, 26 February-1 March 2009.

4th Indo-Italian workshop on 'Chemistry and Biology of Antioxidants'. Organised by Department of Chemistry, Delhi University and Embassy of Italy, Chanakyapuri, New Delhi, 7 December 2008.

49th Annual Conference and International Symposium on 'Microbial Biotechnology: Diversity, Genomics and Metagenomics', organised by Department of Zoology, North Campus, and Department of Microbiology, South Campus, Delhi University, Delhi, 18-20 November 2008.

3rd International Congress on 'Bioprocesses in Food Industries', organised by Department of Microbiology, UCS, in association with University College of Technology. Osmania University, Hyderabad, India, 6-8 November 2008.

Conference on Current and Innovative Approaches in Microbiological Food Safety Management, organised by International Life Sciences Institute- India (ILSI-India) and International Commission on Microbiological Specifications for Foods (ICMSF), New Delhi, 22 October 2008.

Invited talk at Rashtriya Vigyan Sangoshti at Institute of Genomics and Integrative Biology (IGIB), 23-24 April 2008.

Indo-German workshop on 'Molecular Epidemiology of Infectious Diseases', University of Hyderabad, 28-30 November 2008.

Invited talk at 49th Annual Conference of Association of Microbiologists of India and International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics, Delhi University, 18-20 November 2008.

Participated in the National Conferences held at Warangal, Coimbatore, Chennai and Varanasi and delivered invited lectures.

2nd Innovative Technologies for Manufacturing Expo, organised by All India Association of Industries and World Trade Centre, Mumbai, 5-7 March 2009.

National Conference on Advances in Fermentation Technology, organised by School of Microbiology, Mahatma Gandhi National Institute of Research and Social Action (MGNIRSA), Hyderabad, 9-10 November 2008.

4th National Conference on Women Entrepreneurship and Innovation', sponsored by Micro, Small and Medium Enterprises and National Commission for Women. Ministry of MSME, Govt. of India, 20-21 February 2009.

National Symposium on Contemporary Environmental Problems and Biotechnological Applications in their Management', organised by School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, 7-8 March 2008.

Science and technology entrepreneur's park, organised by Managerial Skill Development Programme with Focus on Entrepreneurship, Thapar University. Patiala, 2008.

Publications

Singh, B. and Satyanarayana, T. 2008. 'Thermophilic moulds in environmental management'. In: *Fungi from Different Environments, Progress in Mycological Research*, Vol. 1, (Eds) Mishra, J.K. and Deshmukh, S.K., New Hampshire, USA: Science Publishers, pp. 352-75.

Altaff, K., Hassan, J. and Satyanarayana, T. 2008. 'Use of phytase in plant based feed for aquaculture industry, cost effective and eco-friendly practice: Present scenario and future perspectives'. *J. Aquatic Biology*, 23: 185-93.

Kumar, P. and Satyanarayana, T. 2008. 'Potential applications of microbial enzymes in improving quality and shelf life of bakery products'. In *Current Topics on Bioprocesses in Food Industry*, (eds) Koutinas, A., Pandey, A. and Larroche, C., Delhi: Asia Tech Publishers Inc., pp. 132-46.

Prabhu, C., Wanjari, S., Gawande, S., Das, S., Labhsetwar, N., Kotwal, S., Puri, A.K., Satyanarayan, T. and Rayalu, S. 2009. 'Immobilization of carbonic anhydrase Enriched microorganism on biopolymer based materials'. *J. Molecular Catalysis Enzymatic*.

Singh, B. and Satyanarayana, T. 2009. 'Characterisation of HAP-phytase from a thermophilic mould *Sporotrichum thermophile*'. *Biores. Technol.*, 100: 2046-51.

2008. 'Phytase production by *Sporotrichum thermophile* in a cost-effective cane molasses medium in submerged fermentation and its application in bread'. *J. Appl. Microbiol.* 105: 1858-65.

Uma, M., Rao, J.L. and Satyanarayana, T. 2008. 'Biophysical and biochemical characterization of a hyperthermostable and Ca²⁺-independent α -amylase of an extreme thermophile *Geobacillus thermoleovorans*'. *Applied Biochemistry and Biotechnology*, 150: 205-19.

Kumar, S.S. and Gupta, R. 2008. 'An extracellular lipase from *Trichosporon asahii* MSR 54: Medium optimization and enantioselective deacetylation of phenyl ethyl acetate'. *Process Biochem.*, 43: 1054-60.

Kumar, S.S., Arora, N., Bhatnagar, R. and Gupta, R. 2009. 'Kinetic modulation of *Trichosporon asahii* MSR 54 lipase in presence of organic solvents: Altered fatty acid specificity and reversal of enantio selectivity during hydrolytic reactions'. *Journal of Molecular Catalysis B: Enzymatic*, doi:10.1016/j.molcatb.2008.12.013.

Kumar, S.S., Kumar, L., Sahai, V. and Gupta, R. 2009. 'A thiol-activated lipase from *Trichosporon asahii* MSR 54: detergent compatibility and presoak formulation for oil removal from soiled cloth at ambient temperature'. *J. Ind Microbiol Biotechnol.*, 36 (3): 427-32.

- Gulati, P.S. and Virdi, J.S. 2009.** 'Multilocus-variable number tandem repeat analysis (MLVA) as a tool to study genetic diversity of *Yersinia enterocolitica* biovar 1A'. *J. Applied Microbiology*, DOI: 10.1111/j.1365-2672.2009.04267.x
- Rishi, P., Kaur, P., Virdi, J.S., Shukla, G. and Koul, A. 2008.** 'Amelioratory effects of zinc supplementation on *Salmonella*-induced hepatic damage in the murine model'. *Dig Dis Sci.*, 53 (4): 1063-70.
- Viridi, J.S. 2009.** 'Microbes and man'. In *Life and organism.*, (ed.), Rangaswamy, N.S., Vol. IV. New Delhi: Centre for Studies in Civilizations, pp. 237-56.
- Viridi, J.S., Bhagat, N., Gulati, P., Mittal, S. and Mallik, S. 2008.** '*Yersinia enterocolitica* and Yersiniosis'. In *Gastrointestinal Tract Infections*, (Ed.) Vaishnavi, C., New Delhi: Paragon International Press.
- Kumar, D., Mukherji, A. and Saha, S. 2008.** 'Expression and sub cellular localization of ORC1 in *Leishmania major*'. *Biochem Biophys Res Commun.*, 375(1): 74-9.
- Gupta, A., Chaudhary, V.K. and Bhat, R. 2009.** 'Direct evolution of an antihuman red blood cell antibody'. *mAbs*. 1(3).
- Gupta, A. 2009.** 'Killing activity and rescue function of genome-wide toxin-antitoxin loci of *Mycobacterium tuberculosis*'. *FEMS Microbiol lett*, 290: 45-53.
- Kidwai, M., Poddar, R., Diwanian, S. and Kuhad, R.C. 2009.** 'Laccase from basidiomycetous fungus catalyzed synthesis of substituted 5-deaza-10-oxaflavin via Domino reaction'. *Advance Synthesis and Catalysis*, 351: 589-95.
- Kuhad, R.C. and Gupta, R. 2009.** 'Biological remediation of Petroleum contaminants'. In: *Advances in Applied Bioremediation of the Soil Biology Series*, (Eds) Singh, A., Kuhad, R.C. and Ward, O.P.
- Singh, A., Kuhad, R.C. and Ward, O.P. 2009.** 'Biological remediation of soil – An overview of global market and available technologies'. In: *Advances in Applied Bioremediation*, Soil Biology Series, (Eds.) Singh, A., Kuhad, R.C. and Ward, O.P.
- Gupta, R., Sharma, K.K. and Kuhad, R.C. 2009.** 'Separate hydrolysis and fermentation (SHF) of *Prosopis juliflora*, a woody substrate, for the production of cellulosic ethanol by *Saccharomyces cerevisiae* and *Pichia stipitis*-NCIM 3498'. *Bioresource Technology*, 100(3): 1214-20.
- Sanghi, A., Garg, N., Sharma, J., Kuhar, K., Kuhad, R.C. and Gupta, V.K. 2008.** 'Optimization of xylanase production using inexpensive agro-residue by alkalophilic *Bacillus subtilis* ASH in solid-state fermentation'. *World Journal of Microbiology and Biotechnology*, 24: 633-40.
- Kuhar, S., Nair, L.M. and Kuhad, R.C. 2008.** 'Pretreatment of lignocellulosic material with fungi capable of higher lignin degradation and lower carbohydrate degradation improves substrate acid hydrolysis and the eventual conversion to ethanol'. *Canadian Journal of Microbiology*, 54(4): 305-13.

Pasha, C., Thabit, H.M, Kuhad, R.C. and Rao, L.V. 2008. 'Bioethanol production from *Prosopis juliflora* using thermotolerant *Saccharomyces cerevisiae* VS3 strain'. *Biobased Material Bioenergy*, 2(3): 204-9.

Sharma, K.K. and Kuhad, R.C. 2008. 'Laccase: Enzyme revisited and function redefined'. *Indian Journal of Microbiology*, 48(3): 309-16.

Kapoor, M., Nair, L.M. and Kuhad, R.C. 2008. 'Cost-effective xylanase production from free and immobilized *Bacillus pumilus* strain MK001 and its application in saccharification of *Prosopis juliflora*'. *Biochemical Engineering Journal*, 38(1): 88-97.

Ninawe, S., Kapoor, M. and Kuhad, R.C. 2008. 'Purification and Characterization of extracellular xylanase from *Streptomyces cyaneus* SN32'. *Bioresource Technology*, 99: 1252-58.

FACULTY OF APPLIED SOCIAL SCIENCES AND HUMANITIES

SLAVONIC AND FINNO-UGRIAN STUDIES

Major Activities

The Department provides infrastructure, expertise and opportunities for research and works as a centre for scholars interested in the languages. Bulgarian, Croatian, Czech, Hungarian, Polish, Russian, Serbian and Slovak.

Major thrust area of research during the year:

Contemporary Russian Women's Prose; a study with special reference to the literary works of M. Arbatova.

Images of Russian Society in Contemporary Russian Systoplan Literature.

Problems of lexical translation with special emphasis on auxiliary verbs from English to Russian and vice versa.

Gender dynamics in the post-Soviet Russian Literature: A study of the stories by Lyudmila S Petrushevskaya.

The Image of Labour Camp in One Day in the Life of Ivan Denisovich by A.I. Solzhenitsyn and *Kolyma Tales* by V.T. Shalamov.

End of the World, as depicted in Russian Literature of the end of the century – A study of the mark of Cassandra by Ch. Aitmatov; *The Last Pastoral* by A. Adamovich and *The new Robinsons* L. Petrushevskaya.

Representation of the Image of the Prisoner of the Caucasus in Contemporary Russian Literature: An analysis of Stories by V. Makanin and L. Tolstoy.

Narrative of the Infirmary in Contemporary Russian Literature: A study of short stories by Russian women at the end of the 20th century.

Representation of the Afghan War in the Contemporary Russian Literature A study of stories by O.N. Ermakov.

Author's Song – Its origins and developments as a unique genre of Russian poetry and works of Bulat Okujava.

Russian Literature on Internet (Runet): Dimensions and Challenges.

Research scheme

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Image of India as Reflected in Bulgarian Literature and Culture.	Dr. Rashmi Joshi	UGC

Seminars/Conferences held

Workshop on works of Yanosh Hai (Hungarian Author) and Hungarian and European Literature, 4 November 2008.

Publications

Nagpal, R. 2008. 'Rendering / Expressing Modality With Regard to English and Russian'. In *Russia at the Crossroads: Language, Literature, Culture and Society in the XXI century*, (ed. Saxena, R. and Doraiswamy, R.). New Delhi: Association of Teachers of Russian Language and Literature (INDAPRYAL), pp. 25-32.

Saxena, R. 2008. *Î Îîÿðèè Ôáíîáà Æáíñéé Îðçü â Ñîðáááííé Ðóññéé Èèðàðòóðà* ('On understanding the Phenomenon of Women's Prose in Contemporary Russian Literature'), in *Russia at the Crossroads: Language, Literature, Culture and Society in the XXI century*. New Delhi: Association of Teachers of Russian Language and Literature (INDAPRYAL), pp. 57-69.

Saxena, R. and Doraiswamy, R. (eds) 2008. *Russia At The Crossroads: Language, Literature, Culture And Society in The XXI Century*. Conference. New Delhi.

BUSINESS ECONOMICS (SDC)

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	3
M.Phil.	-	4

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
A Study of the Extended Producer Responsibility based Deposit-Refund System for Lead-Acid Batteries in Delhi.	Dr. Yamini Gupt	The South Asian Network for Development and Environmental Economics (SANDEE)
Environmental Biotechnology-Restoration Ecology.	Dr. Yamini Gupt	Department of Biotechnology, Govt. of India.
Analysis of Occupation Choices among High School and College Students in Urban India: A Case Study of New Delhi and Kolkata.	Dr. Ananya Ghosh Dastidar	DU

Seminars/Conferences held

Annual Convention on Leveraging Global Change: Managing Turbulence in Indian Economy, India Habitat Centre, New Delhi, 29-30 September 2008.

Seminars/Conferences attended

Dr. Aradhna Aggarwal: Presented a paper on 'SEZs in India', Oxford University, England, 22 January 2009.

Invited by the Confederation of Nepalese Industries for a talk on 'Special Economic Zones: India's Experience', Kathmandu, 17-19 November 2008.

Presented a paper on 'Community based health insurance schemes: A case study of India', Chicago University, USA, 22 June 2008.

Presented a paper on 'Innovative health programmes in developing countries', York University, UK, 16-20 January 2009.

Presented a paper on 'SEZs, innovations and technology transfers', International Conference on Sustainable Development: Challenges before Asian Societies, organised by the Association of Asia Scholars at Punjabi University Patiala, 14-16 November 2008.

Presented a paper on 'SEZs: A Theoretical Perspective', International Conference organised by Centre de Sciences Humaines, New Delhi, 3-4 April 2008.

Dr. Yamini Gupta: Presented a paper titled 'Carbon Trade and India', at a Study Meeting on Eco-Finance, organised by Asian Productivity Organisation and Malaysian Productivity Council, Kuala Lumpur, Malaysia, 11-14 November 2008.

Attended the 16th Biannual Research and Training Workshop organised by UNEP RRC.AP and SANDEE at AITCC, Pathumthani, Thailand, 30 June-3 July 2008.

Attended the Workshop on 'Program Evaluation' organised by UNEP RRC.AP and SANDEE at AITCC, Pathumthani, Thailand, 4 July 2008.

Dr. Deepa Saran: Attended a Regional Conference on Developing South Asian Economic Integration, New Delhi, 24 July 2008.

Attended a Conference on Emerging Asian Regionalism: ASEAN-India FTA and Beyond, New Delhi, 28 September 2008.

Dr. Ananya Ghosh Dastidar: Participated in a Workshop and Regional Dialogue on 'Renewed Policy Action for the Poorest and Hungry in South Asia', organised by IFPRI (as part of International consultation on 'Taking Action for the World's Poor and Hungry People') and supported by ADB, December 2008.

A discussant of 'Trade and Growth: Role of Investment and Government Evidence from East Asia' by S. Mitra in JNU-CIGI-NIPEP Conference on Growth, Inequality and Institutions, November 2008.

Prof. V.K. Kaul: Presented a paper on 'Competition, Competitiveness and Financial Crisis' at a symposium on 'Competition Policy and Competitiveness', organised by Competition Commission of India and Shaheed Bhagat Singh College, New Delhi, 26 February 2009.

Made a presentation on 'Economic Cooperation in IBSA: Potential and Challenges' at Third IBSA Summit, Academic forum, IBSA Partnership for Shared Prosperity and Inclusive Globalisation, Vigyan Bhavan, New Delhi, 13-14 October 2008.

Made a presentation on 'Emerging Global Economic & Technological Environment and Talent Management' at National Seminar on Talent Management, ITS Institute of Management, Greater Noida, 6 September 2008.

Made a presentation on 'Global Economic Challenges-How Vulnerable is the Indian Economy' at ICSI/NIRC Workshop, PHD Chamber of Commerce, New Delhi, 25 April 2008.

Dr. Yamini Gupta: Participated in a Training Workshop on 'Management of Hazardous Waste, Used Batteries and e-Waste' organised by National Productivity Council and sponsored by the Ministry of Environment and Forests, Govt. of India, New Delhi, 3-4 February 2009.

Publications

Aggarwal, A. 2008. 'Special Economic Zones and Economic Diversification: Some Evidence from South Asia', with Mombert Hoppe and Peter Walkenhorst. In *Export Diversification* (eds) Newfarmer, R., B. Shaw and Walkenhorst, P., World Bank.

FACULTY OF COMMERCE AND BUSINESS

COMMERCE

Major Activities

In its march towards achieving academic excellence and leadership in the discipline of Commerce, the Department has initiated a number of steps during the year 2008-09. A major noteworthy effort has been in the direction of changing its present M.Com. Annual Examination-based course into a semester-based programme. The proposal to this effect along with the updated reading lists for each of the papers has been submitted to the University for its approval and it is hoped that the new semester-based scheme will get implemented with effect from academic session 2009-10.

Efforts have also been made to improve the infrastructural facilities in the Department. A few classrooms as well as faculty rooms have been equipped with new furniture and furnishings. The Computer Lab. has also been upgraded by installing a few new desktops and acquiring statistical software packages/databases such as E-Views and Prowess for the benefit of students as well as teaching staff.

During the previous year, the Department organised a number of guest lectures, seminars, workshops, symposia etc. and invited various academicians and industrialists to expose its students to real world developments and events and to enhance industry interface. At the 13th Annual Convention 'ERUDITION 08' on the theme 'Convergence of the Titans: Creating Global Partnerships' at the Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi University, 19-20 September 2008 held on a number of experts from trade, industry and various academic institutions made presentations on issues related to the theme. The Department also organised a 3-week refresher programme on 'Advances in Commerce and Business' at the Centre for Professional Development in Higher Education (CPDHE) from 29 September-21 October 2008. The Department has continued its endeavors towards establishing alliances with foreign Universities.

On the placement front, the Department has reactivated its placement cell and industry linkage activities with a view to help its students get placed in a larger number of national and international business houses.

In pursuance to the request from the Vice-Chancellor, the academic staff of the Department is presently engaged in the task of developing its future vision and undertaking several structural changes such as those related to updating of the various post-graduate programmes, introduction of one-year programmes in the colleges and revamping of research activities in the Department to be able to emerge as a centre of academic excellence in the near future.

Ph.D./M.Phil. Degrees awarded

Ph.D.	-	7
M.Phil.	-	13

New Additions

Prof. I.M. Pandey	-	Professor
Dr. Kavita Sharma	-	Reader
Ms. Sunaina Kanojia	-	Lecturer

Appointment of Faculty members to higher Posts/Assignments

Prof. Sanjay K. Jain: Appointed as an Expert member of the Export Marketing Conference Scientific Committee, M and T Solutions, Tehran, Iran.

Appointed member of the Academic Council, Doon Business School, Dehradun.

Prof. Y.P. Singh: Appointed member of the Finance Committee of Deenbandhu Chhoturam University of Science and Technology, Haryana, for a period of two years.

Appointed External Expert of Research Degree Committee in Commerce, Ch. Charan Singh University, Meerut, for a period of two years; Appointed External Expert of UG Board of Studies in Commerce, Maharashi Dayanand University, Rohtak, for a period of two years.

Appointed member of the Academic Council, Doon Business School, Dehradun.

Prof. Sri Ram Khanna: Appointed member of the Bureau of Indian Standards (BIS) to represent consumer organisations by Gazette notification of the Ministry of Consumer Affairs, Govt. of India, up to 2009.

Prof. I.M. Pandey: Appointed as a member of the Board of Directors, Indorama Ltd., Thailand.

Appointed as a member of the Editorial Board, *Afro Asian Journal of Finance and Accounting*, (Inderscience, Switzerland).

Honours/Distinctions

Prof. Sri Ram Khanna: Appointed as an expert member of the Indian National delegation to participate in the International Standards Organisation (ISO) Working Group on Social Responsibility at Hotel Grand Hyatt Santiago (Chile), 1-5 September 2008.

National Consumer Helpline Project continued by Govt. of India: Rs. 32 mn to provide citizens information, advise and guidance on their individual consumer problems with corporations in relation to defective products and deficiency in services through a Computer Telephony Interface (CTI) system.

Prof. Jawahar Lal: Received Fellowship Award of the Indian Accounting Association.

Prof. K.V. Bhanumurthy: A total of twelve papers in the Top Ten List in the world @ SSRN.COM, of which five in All Time Top Ten List in the world.

All time rating @ SSRN.COM, 97.2 percentile out of 1, 10,000 economists.

Awarded 'Best Citizens of India' Award by IPH, New Delhi, in June 2008.

Conducted one-day doctoral workshop on research methodology at International Congress on Pervasive Computing and Management, November 2008.

Awarded best paper in Third National Conference on Capital Market, IBS Gurgaon, March 2009.

Paper selected through competition in International Congress on Pervasive Computing and Management for publication in *Pervasive Computing for Business: Trends and Applications*. A book edited by Dr. Varuna Godara, University of Western Sydney, Australia, an IGL (USA) publication.

Completed the first pilot project of e-content development for School of Open Learning under the UKIERI, project collaboration Open University, UK. Prepared and executed complete e-content and e-learning system for B.Com. (Hons.) Paper I – 'Business Organisation and Management.'

Developed e-learning system under UKIERI project with collaboration of Open University, UK. Trained 8 lesson writers in content development as 'Leaders of Change', from among Commerce faculty of Delhi University.

Prof. J.P. Sharma: Selected from India to attend a three-day Corporate Governance Board Leadership training programme organised by the International Finance Corporation (World Bank Group) acting through the Global Corporate Governance Forum, USA, as a Certified Trainer on Corporate Governance.

Appointed President of India (Visitor) Nominee on the First Academic Council of the Sikkim Central University.

Appointed Central Government Nominee on the First Academic Council of Tripura Central University.

Appointed Chancellor's Nominee on the selection committee for teaching posts in Commerce of Kurukshetra University, Haryana.

Appointed Member of the XI Plan UGC Expert Committee.

Appointed Member of the Editorial Advisory Board of the *Chartered Secretary, Executive Chartered Secretary* and *Students Company Secretary* journals published by the Institute of Company Secretaries of India.

Appointed Member, Diploma Board of the Indian Society for Training and Development, New Delhi.

Appointed Expert Member, Hearing Committee (Appraisal Board), Professional Colleges/ Management Institutes seeking affiliation to AICTE (MHRD).

Appointed Expert Member, Inspection Committee, Professional Colleges/Management Institutes, South Western Regional Office, AICTE (MHRD).

Prof. I.M. Pandey: Ph.D. Thesis Examiner, University of Bath, Bath, UK.

Visiting Professor, School of Management, Asian Institute of Technology, Thailand.

MBA and BBA Programmes at Pearl School of Business taken up with Nottingham Trent University, UK.

Dr. A.K. Singh: Awarded second Gold Medal by Szent Istvan University, Hungary, for outstanding contributions in academics and research, on 11 November 2008.

Awarded Silver Medal for the Paper titled, 'SEZ in India: A perceptual study of Indian citizens with respect to economic and political dimensions', jointly authored by Ajay Kr. Singh and Vandna Sharma, in the 61st All India Commerce Conference, Nagpur, 27-29 December 2008.

Seminars/Conferences held

A five-day Symposium was organised by SPHERE, a student's body of MHROD, Department of Commerce, 18-23 August 2008. Many academicians and industrialists were invited to expose students to developments and happening in the real world of business.

Department organised the 13th Annual Convention the 'ERUDITION 08', for its MIB and MHROD students at Paintal Memorial Golden Jubilee Auditorium, VPCI, Delhi University, 19-20 September 2008 on the theme 'Convergence of the Titans: Creating Global Partnerships'.

The Department organised a Seminar on 'Training and Development: A Practical Overview' on 20 March 2009.

Apart from this, the Department also conducted various workshops for its MIB and MHROD students from time to time. Their details are as under:

Mr. Arun Sharma, CEO, Mindworkzz: Workshop on Achieving Excellence, 21 October 2008.

Mr. Gunmeet Singh, Mitsui: Workshop on Freight Market and Calculation of Freights, 22 December 2008.

Seminars/Conferences attended

Prof. Sanjay K. Jain: Made a key presentation on 'Export Market Research: Identifying Foreign Markets', at the International Conference on Export Marketing organised by Management and Trade Solutions Co (MandT), Trade Promotion Organisation of Iran, ICCA and EXAMIE, Tehran, Iran, 29 November 2008.

Made a presentation on 'Corporate Social Responsibility (CSR): A Managerial Perspective', at the Orientation Programme organised by the Centre for Professional Development in Higher Education (CPDHE), Delhi University, 29 May 2008.

Made a key presentation on 'Emerging Paradigms and Developments in Marketing', at the AICTE sponsored Staff Development Programme (SDP) on Contemporary Approaches in Management by Maharaja Agrasen Institute of Management Studies, Delhi, 19 June 2008.

Made a key presentation on 'Evaluating Research Reports', at the Faculty Development Programme for Academic Excellence organised by Manav Rachna College of Engineering, Faridabad, Haryana, 22 July 2008.

Made a key presentation on 'Emerging Paradigms and Developments in Marketing', at the National Conference on Emerging Trends in the World of Marketing organised by IBS, Noida, in collaboration with the Association of Indian Management Schools (AIMS) at Noida (UP), 21-22 August 2008.

Made a key presentation on 'Global Branding', at the Seminar organised by Shri Guru Gobind Singh Khalsa College of Commerce, Delhi University, 25 September 2008.

Delivered the inaugural address on the theme 'Stepping into Corporate World: Mantras for Success', at the Seminar COMSPECT, Commerce Spectrum, organised by the Commerce Association of Lakshmibai College, Delhi University, 16 December 2008.

Made a theme presentation on 'Shaping Organisations for Tomorrow: Marketing Imperatives', at the BVIMR National Conference on Shaping Organisations for Tomorrow held at BVIMR, Delhi, 13-14 February 2009.

Made a key presentation on 'Trends and Developments in Marketing', at IPM, Ghaziabad, UP, 15 January 2009.

Participated in a two-day Indian Marketing Summit on 'Qayamat Se Qayamat Tak: Innovative Marketing Strategies in Uncertain Times', organised by BIMTECH in collaboration with AIMA at India Habitat Centre, New Delhi, 25-26 February 2009.

Made a presentation on 'Coping with Marketing Developments and Challenges', at the meeting organised by Jaipur Management Association (Local Chapter: All India Management Association), Jaipur, jointly with Rotary Club, Jaipur East, at Mohan Lal Sukhadia Hall, Rajasthan Chamber of Commerce and Industry, M.I. Road, Jaipur, 21 March 2009.

Prof. Y.P. Singh: Participated in the XXXIst All India Accounting Conference and International Seminar on Accounting Education and Research at Ahmedabad, 22-23 November 2008, under the aegis of Gujarat University and Indian Accounting Association Gujarat, Ahmedabad branch. Acted as a Resource Person for the second technical session entitled, 'Capital Markets: Trends in India and Abroad' and also as a judge to select the best paper presented in the session.

Participated in the International Seminar on 'Organised Retailing: Boon or bane', at New Delhi, 4-5 January 2009 under the joint auspices of Delhi School of Professional Studies and Research, GGS Indraprastha University, Government of NCT of Delhi, Society for Human Transformation and Research (SHTR), Delhi, and Value-one Infotech Pvt. Ltd. (E11- Suite), Delhi, and addressed the delegates in its Valedictory Session on 5 January 2009 as the Guest of Honour.

Prof. Sri Ram Khanna: Participated in the ISO Working Group on Social Responsibility IDTF and CAG meetings at Glen Cove Mansion, Long Island, New York (USA), 21-25 July 2008.

Participated in the **ISO DEVCO** Workshop on the Role of Developing Countries in the ISO Working Group on Social Responsibility at Hotel Grand Hyatt, Santiago (Chile), 30-31 August 2008, as expert member of the Indian delegation.

Participated in the Chilean Govt.-hosted Workshop on 'The Role of Government in Social Responsibility' held at the UN's ECLAC office in Santiago (Chile), 29 August 2008.

Presentation on 'Bringing Tobacco Industry before the Bar: Liability and Legal Action', at the 14th World Conference on Tobacco and Health, Jamshedji Bhabha Theatre, NCPA, Mumbai, 2 March 2009.

Presentation on 'Legal Challenge to Tobacco Companies under Indian Civil and Criminal Laws', International Workshop on Human Rights Approach to Tobacco Control, hosted by Tata Institute of Social Sciences, Deonar, Mumbai, 14 March 2009.

Presented a jointly authored paper titled 'Regulating the Measurement and Reporting of Television Rating Points (TRPs): Need of the Hour' at the 12th International Conference on Consumer Law, NALSAR University, Hyderabad, 25-27 February 2009.

Prof. A.K. Seth: Key speaker on 'Banking Sector Reforms in India: Problems and Prospects', at a National Seminar organised by D.N.(PG) College, Gulahthi (Bulandshar), UP, 20-21 February 2009.

Chaired a session on 'Making Markets Happen', at a National Seminar organised by the School of Management Studies, Punjabi University, Patiala, 6-7 February 2009.

Chaired a session on 'Research Methods in Business' at a National Seminar organised by the Department of Commerce, Punjabi University, Patiala, 8-9 January 2009.

Delivered a lecture on 'Multiple Regression Analysis' in a Refresher Course organised by CPDHE, Delhi University, September-October 2008.

Delivered a lecture on 'Use of Regression as a Research Method to Model Social Behaviour', in a Seminar on Research methods, organised by the Department of Adult and Continuing Education, Delhi University, 20-22 April 2008.

Prof. K.V. Bhanumurthy: Presented a paper and Chaired a session at the International Congress on Pervasive Computing and Management, November 2008.

Presented two papers and Chaired a session in the Money and Finance Conference, Indira Gandhi Institute for Development Research, Mumbai, January 2009.

Delivered a Valedictory lecture at the National Seminar on Consumer Affairs, at KNC, Delhi University, August 2008.

Presented a paper and Chaired two sessions at the 45th Conference of The Indian Econometric Society, January 2009.

Delivered two inaugural Workshops on research methodology at IBS Dehradun, March 2009.

Presented a paper and Chaired a session at the Third National Conference on Capital Markets, IBS Gurgaon, March 2009.

Prof. J.P. Sharma: International Conference on Corporate Governance, organised by the Institute of Public Enterprises, Hyderabad, 12-13 February 2009. Valedictory Session chaired by him and certificates given to the participants; he also delivered the valedictory address.

Addressed a Seminar on, 'Corporate Failures: Special Reference to Satyam', Institute of Public Enterprises, Hyderabad, 13 February 2009; there were participants from industry, academics and research scholars.

Addressed a Seminar on, 'Clause 49 of Listing Agreement and Corporate Governance Reforms', G. L. Bajaj Institute of Management and Research, 27 November 2008; over 100 MBA students participated in the seminar.

Addressed a Seminar on, 'Models of Corporate Governance and Reforms', Indian Institute of Finance, 3 November 2008, participants included over 200 MBA students.

Delivered a Special lecture on 'Corporate Governance-Models, Codes, and Reforms', Delhi School of Professional Studies and Research, 18 September 2008; participants included faculty members and MBA students.

Addressed a Seminar on 'Reforms in Corporate Governance', Tripura Central University, 2 April 2008; participants included post graduate students, senior officials of the university and faculty members.

Addressed a Seminar on 'Indian Model of Corporate Governance: Codes, Standards and CSR', JIMS (Jagan Institute of Management Studies), Rohini, New Delhi, 18 January 2008; participants included MBA students.

Prof. I.M. Pandey: 'Emerging Paradigms of Global Entrepreneurship and Management: Issues and Challenges', International Conference of Global Business and Management Forum, Pearl School of Business, Gurgaon, 7-8 November 2008.

Dr. A.K. Singh: Participated in International Conference on e-Government and e-Governance, held in Ankara, Turkey, 12-13 March 2009.

Participated in the 61st All India Commerce Conference organised by Shri Shivaji Education Society, Amravati's Dhanwate National College, Nagpur, 27-29 December 2008, and presented a paper (which was awarded Silver Medal) entitled, 'SEZ in India: A perceptual study of Indian Citizens with respect to Economic and Political dimensions', jointly authored by Ajay Kr. Singh and Vandna Sharma.

Dr. Vanita Tripathi: Research paper titled 'Company Fundamentals and Equity Returns in India', in 15th Annual Global Finance Conference in Hangzhou, China, 18-20 May 2008, and organised by Zhenjiang University of Technology Hangzhou, China, and California State University, Fresno, USA.

Presented a research paper titled 'Effectiveness of Options Trading Strategies in India', in International Conference on Business and Finance at ICFAI Hyderabad, January 2009.

Participated in a National Conference on 'Global Financial Crisis: Implications for Corporate strategy and Management Learning', organised by the Department of Financial Studies, Delhi University, South Campus, on 21 February 2009 under UGS-SAP.

Dr. Niti Sury: Presented a paper on 'India's Bilateral Tax Treaties: Benefits and Costs' at the International Congress on Pervasive Computing and Management, New Delhi, 12-14 December 2008.

Ms. Sunaina Kanojia: Participated in All India XXI Annual Convention on 'Global Economy and Indian Financial Markets: Opportunities and Challenges', organised by the Department of Financial Studies, Delhi University, September 2008.

Publications

Jain, S.K. and Goel, P. 2008. 'Consumers' Attitudes towards Marketing in India: An Exploratory Analysis'. *MAIMS Journal of Management*, 3(2): 4-11.

Singh, Y.P., Kapoor, S. and Bhatia, A. 2008. 'Decisions, Trading Strategies and Investment Behaviour of FIIs in Indian Stock Markets'. *Journal of Banking, Information Technology and Management*, 5(1).

Singh, Y.P. and Bhatia, S. 2008. 'Index Arbitrage: Evidence from the Indian Stock Market'. *The Indian Journal of Commerce*, 61(2).

Singh, Y.P., Agarwal, S. and Harilal, S.L. 2008. 'Portfolio Creation Using Markowitz's Portfolio Selection Model involving Equities, Commodities and Bonds in Indian Securities Market'. *Euro-Mediterranean Economics and Finance Review*, 3(3) (A referred journal co-published by University of Cergy and ISC Paris).

Lal, J. 2008. 'Corporate Social Reporting Practices in India. AIMS', *A Journal of Management Sciences*, 1(1): 5-22.

Seth, A.K. 2008. 'Does Family Composition Affect Optimal Tax Settings'. *Singapore Economic Review*.

2009. 'Effect of demographic variable on commodity taxes'. *South Asian Economic Journal*, 9(2).

2008. 'Causal Relationship between Financial Development and Economic Growth: An investigation in case of India: 1971-2006'. *MAIMS Journal of Management*, 3(1).

2009. 'Monetary Theory, Exchange Rate and Policy Implications: An Indian Evidence'. *Indraprastha Journal of Management*.

Bhanu Murthy, K.V. 2009. 'The tale of two companies'. *Yojana*. 53: 2: 33-5.

Bhanu Murthy, K.V. and Deb. A.T. 2009. 'Competition in Deregulated Markets'. *Economic and Political Weekly*, pp. 60-1, January.

Sharma, J.P. and Sethi, P. 2009. 'Impact of Postal Ballot Mechanism in Improving Shareholder's Participation in Corporate Decision Making: A Research Study'. *Chartered Secretary Journal of the Institute of Company Secretaries of India*, XXXIX(2): 159-70.

2008. 'Shareholder's Participation through the Postal Ballot Mechanism'. Paper published in the Convention Souvenir of 36th National Convention of Company Secretaries organised by the Institute of Company Secretaries of India at Goa, 6-8 November 2008, on the theme, 'Achieving Excellence through Innovation'.

Sharma, J.P. and Kumar, R. 2008. 'Export Performance of Computer Hardware Industry'. *Gitam Journal of Management, College of Management Studies*, 6(3).

Sharma, J.P. 2008. 'Approaches to Better Corporate Governance: Global Trends'. *Esprit-De-Corps*, Journal of Department of Commerce, Delhi School of Economics, Delhi University, January 2008.

Singh, A.K. and Gupta, N. 2008. 'A Feasibility Study on the Role of Intrinsic and Extrinsic Factors as Source of Satisfaction for Havell's India Ltd'. *MAIMS Journal of Management*, 3(1): 29-36.

Singh, A.K. and Gupta, N. 2008. 'Measurement of Human Asset: An Empirical Analysis'. *Indian Journal of Accounting*, XXXVIII (2):13-22. [Presented in the Annual Conference of the Indian Accounting Association in 2007].

Tripathi, V. and Gupta, S. 2008. 'Estimating the Accuracy of Value-at-Risk (VaR) in measuring Risk in Equity Investment in India'. *ICFAI Journal of Applied Finance*, 14(7): 15-40.

Bhasin, N. 2008. *Foreign Investment in India: 1947-48 to 2007-08*. New Delhi: New Century Publications.

Jain, S.K. 2008. 'Service Quality in Retail Banking: An Empirical Investigation'. In *Emerging Trends in the Banking Sector*, (eds) Mittal, R.K., Saini, A.K. and Dhingra, S.). New Delhi: Macmillan India Ltd., pp. 165-80.

Jha, R. and Bhanu Murthy K.V., et. al. 2008. 'Fragmentation of Wholesale Rice Markets in India'. In *The Indian Economy Sixty Years After Independence*, (ed.) Jha, R. New York: Palgrave-Macmillan, pp. 233-46.

Khanna, S.R. and Singh, P. 2008. *Consumer Satisfaction with Quality of Broadband Services*. Delhi: VOICE Society.

- 2008.** *Consumer Satisfaction with Quality of Mobile Services.* Delhi: VOICE Society.
- Lal, J. 2009.** *Cost Accounting, 4th edn.,* New Delhi: McGraw-Hill Education.
2009. *Corporate Financial Reporting: Theory and Practice, (3rd edn.),* New Delhi: Taxmann.
2009. *Advanced Management Accounting, Text, Problems and Cases, (2nd ed.),* New Delhi: McGraw-Hill Education.
- Singh, A.K. and Singh, B.P. 2008.** *Management Functions and Organizational Behaviour.* New Delhi: Excel Books Pvt. Ltd. (For All India Management Association, New Delhi) as study material for GM 11 paper of P.G. Diploma in Management.
- Khanna, S.R. 2009.** 'Ethics and Fair Trade Practices in the ISO 26000 Framework'. ICHR sponsored National Seminar on 'Ethics in Indian Society: Past and Present' at Session III on 'Media Business and Ethics', Moti Lal Nehru College, New Delhi, 4 March 2009.
2009. 'Overview of Corporate, Social Responsibility in the ISO 26000 Framework'. National Workshop on 'Corporate Governance and CSR' organised by Business Community Foundation and Others at Indian International Centre Annex, New Delhi, 13 March 2009.
2008. 'Consumer Assessment of Quality of Services and Customer Care in Mobile and Broadband Services', Inspire Hall, Le Meridien Hotel, New Delhi. Sponsored by Union Ministry of Consumer Affairs.
- Bhanu Murthy, K.V. 2008.** 'Medicine and Business Ethics', Valedictory lecture at National Seminar on Consumer Affairs, at KNC, Delhi University, August 2008.
2008. 'Re-Engineering Higher Education – The Seamless Knowledge Management System for The University', at International Congress on Pervasive Computing and Management, November 2008.
- Bhanu Murthy, K.V. and Deb, A.T. 2009.** 'The Determinants and Trends of the Dynamics of Market Concentration: The case of Deregulating Private Banking Industry in India', at 45th Conference of The Indian Econometric Society, January 2009.
2009. 'US Sub-Prime Crisis – Causes, Effects and Lessons', at Money and Finance Conference, Indira Gandhi Institute for Development Research, Mumbai, January 2009.
- Bhanu Murthy, K.V. and Singh, A.K. 2009.** 'IPO pricing: Informational inefficiency and misallocation in capital market', at Third National Conference on Capital Market, IBS Gurgaon, March 2009.
- Singh, A.K. and Sharma, V. 2008.** 'Key attributes of Successful Knowledge Management: An Empirical study in Telecom and Software Sector'. Proceedings of the International Conference on Data Management at IMT, Ghaziabad, held on 25-26 February 2008. *MacMillan Advanced Research Series, Data Management,* MacMillan Publications, First Edition, 2008, pp. 495-502.

2008. 'Knowledge Management and Organisational Learning: An Empirical study of its implications on Employee Satisfaction in Telecom Sector'. Proceedings of the National Conference on Management at GGS Indra Prastha University, New Delhi, 23-24 November 2007. Corporate Strategies and Innovations in the emerging Global Economy, Wisdom Publications, (1st edition), pp. 302-18.

2008. 'A Study on Implications of Culture Driven Knowledge Management on Employee Satisfaction– In Indian Telecom Sector'. *Management and Behaviour in Organizations*, Vol. 2, pp. 15-28.

FINANCIAL STUDIES (SDC)

Major Activities

The Department organised a cultural event in January 2009. Mr. P.K. Chowdhury, ViceChairman and Group CEO, ICRA Limited, was the Chief Guest. Padmashree Shovana Narayan delivered the Keynote Address. Ms. Perna Shrimali performed Kathak, Pandit Prateek Chaudhuri performed on Sitar while Padamshree Geeta Chandra performed Bharatnatyam.

Ph.D. Degrees awarded

Ph.D. - 6

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. Four students from our Department visited ESC Pau, France for the summer training from May 2008 to July 2008 and 9 students from ESC Pau visited our Department in January 2009 for travel and learn purpose.

The Department entered into an MoU with REIMS Business School, France, for student and faculty exchange as well as joint research. The MoU shall be implemented from next year.

Seminars/Conferences held

The XXI Annual Convention on 'Global economy and Indian Financial Markets:

Opportunities and Challenges' on September 27, 2008 at Hotel Hyatt Regency, New Delhi. Mr. S.P. Marwah, State Election Commissioner, New Delhi inaugurated the Convention. The prominent speakers at the Convention were Mr., Amit Kumar, Director, Private Clients Standard Chartered Bank, Mr. Deepak Mahurkar, Associate Director, Oil and Gas Industry Practice, Mr. Jayant Mangalik, Head Research, Religare, Mr. Navita Srikant, Partner, Fraud Investigation and Dispute Services, Mr. A Balasubramaniam, CIO, Birla Sun Life Asset Management Company, and Mr. Mridul Upreti, Head - Capital JLL Meghraj

The Department organized a UGC SAP Seminar on 'Global Financial Crisis: Implications for Corporate Strategy and Management Learning' on 21 February 2009 at Delhi University South Campus. The Seminar was inaugurated by Mr Gagan Rai, CEO and Managing Director, National Securities Depository Ltd. The prominent speakers included: Mr Subir Gokarn, Chief Economist, Standard and Poor's, Mr. Sanjay Sinha, CEO, DBS Cholamandalam AMC, Mr Jeurgen Fiedler, Director, DBOI, Mr Kuljit Singh, Partner, EandY, Mr. Saibal Ghosh, CIO, Aegon Religare Life Insurance and Dr. Geoffrey Clements, Managing Director, India Director, Commonwealth Business School, UK

Publications

Sehgal, S. A paper entitled, 'Tests of Pricing Efficiency of the Indian Index Options Market', *International Journal of Business and Society (UBS)*, Vol. 10 No. 1 2009 , University Malaysia Sarawak.

A paper entitled, 'Profitability of Trading Strategies based on Alternative Momentum Measures: Evidences from India' published in January 2009 *Empirical Economic Letters*, Bangladesh

A paper entitled Investment Strategies of Foreign Institutional Investors in Indian Equity Market under publication in *Vision ,MDI, Gurgaon Vision - The Journal of Business Perspective*, Vol. 12, No. 01 (January - March, 2009)

A paper entitled, 'Drivers of option liquidity: Evidence from India', *Journal of Accounting-Business and Management*, October 2008.

A paper entitled, 'Determinants of Implied Volatility Function on the Nifty Index Options Market: Evidence from India', *Asian Academy of Management Journal of Accounting and Finance (AAMJAF)*, Vol. 4, No.1, 45-69, 2008. School of Management, Universiti Sains Malaysia, 11800 USM Pulau Pinang, Malaysia.,

A paper entitled, 'Adequacy, Cost and Determinants ... A case of India', published in Oct. 2008 *A International Research Journal of Finance and Economics*, Euro Journals, London.

Kumar, M. A book on 'Integrating e-business Models for Government Solutions' edited by Dr. Susheel Chhabra and Prof. Muneesh Kumar, published by IGI, USA as a part of Information Science Reference Series.

COLLEGES

ACHARYA NARENDRA DEV COLLEGE

Major Activities

The academic year 2008-09 may easily be called a milestone, when we went beyond the classroom in the form of several more workshops for students and faculty from Colleges of DU: a) Advanced workshop Biology Life Sciences Part III with ILLI; b) Summer workshops for students – Modern Techniques in Biology, Electrowork'08 (Data Acquisition using LabVIEW and PCB designing and fabrication) and Basic Techniques in Molecular Biology; c) Linux, Foss and Clustering Workshop; d) Six Learning for Content workshops based on Wikieducator and Open Educational Resources were conducted in the college (4) and South Campus (2); and e) the Easy Now – Multiple media use in educational materials.

We also re-enforced our commitment to research – three more research projects have been initiated. We have also started an Entrepreneur Development cell for students to become 'job creators' rather than 'job seekers'. Our teachers have been involved in developing e-learning modules both for ILLI and for upload on Wikieducator.

Student Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Swati Tyagi	B.Sc. (Hons.) BMS-III	I

Special Grants/Assistance/Projects

Awarded to the College

UGC XI Plan Grant:

Items Grants received during 2008-09:

Books & Journals	:	Rs. 1,50,000
Equipment	:	Rs. 2,70,000
Extension Activities	:	Rs. 30,000

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Fabrication of new polymer sensors for environmental protection.	Dr. Vandana Uberoi Dr. Sunita Hooda & Dr. Geetu Gambhir (Co-investigators)	UGC
Investigating science hands-on to promote innovation & research at undergraduate level	Dr. Amit Garg Mr. Vishal Dhingra & Dr. Savithri Singh (Co-Investigators)	UGC

A laboratory study on the larvicidal properties of certain botanicals against mosquito larvae- An alternative for mosquito control.	Dr. Sarita Kumar	UGC
Development of magnetron source for Plasma assisted growth of metal-oxide films for sensor applications’.	Dr. Arijit Chowdhuri (Co-Investigator)	DST
One-pot and solventless synthesis of metallo-porphyrins and porphyrins: A green chemistry approach.	Dr. Shalu Sachdeva (Co-investigator)	UGC

Library Development

Books added : 413

New Additions

Sh. Manoj Garg	- English	Dr. Vikrant Kumar	- Chemistry
Dr. Rajesh Chaudhary	- Biomedical Science	Dr. Udaibir Singh	- Electronics
Dr. Ravneet Kaur	- Electronics	Dr. Rashmi Sharma	- Botany

Honours/Distinctions

Dr. Savithri Singh: Elected Member of the Wiki educator International Community Council.

Member, Core Team (India) on Quality Assurance in Multimedia Learning Materials, Commonwealth Education Media Centre for Asia.

Member of the Departmental Advisory Board of the Department of Teacher Education and Extension (2008-11) NCERT.

Seminars/Conferences held

Electrawork Exploring techniques of designing and fabrication of PCBs and paper presentation on ‘Study of Hall Effect using LabVIEW’, 10-20 June 2008.

Linux’09 – The Linux, FOSS and Clustering Workshop Familiarization of LINUX as a replacement of MS –WINDOWS, 5-7 January 2009.

Seminars/Conferences attended

Dr. Savithri Singh: ‘Promoting entrepreneurship among rural youth through Open and Distance Learning (ODL) courses: An experience of using the Wikieducator’ at PCF5, University of London, London, UK, 13-17 July 2008.

‘Quality Assurance in Multimedia Learning Materials’, Roundtable organised by Commonwealth of Learning, Kuala Lumpur, Malaysia, 31 October-1 November 2008.

Dr. Ram Kumar: 'Postembryonic developmental rates and demographic parameters of *Pseudodiaptomus annandalei* as a function of salinity and temperature', at X International Conference on Copepoda in Pattaya, Thailand, 13-18 July 2008.

'Predation efficiencies of grouper larvae *Epinephelus coioides* on the copepod *Pseudodiaptomus annandalei* at hydrodynamic disturbances', X International Conference on copepoda in Pattaya, Thailand, 13-18 July 2008.

S.P. Kumar, A. Agrawal, R. Chaujar, M. Gupta and R.S. Gupta: 'DMG AlGa_N/Ga_N HEMT: A Solution to RF and Wireless Applications for Reduced Distortion Performance', at the Asia Pacific Microwave Conference (APMC-2008), Hong Kong, China, 16-19 December 2008.

P. Malik, S.P. Kumar, R. Chaujar, M. Gupta and R.S. Gupta: 'Gate Material Engineered-Trapezoidal Recessed Channel MOSFET (GME-TRC) for Ultra Large Scale Integration (ULSI)', at the Asia Pacific Microwave Conference (APMC-2008), Hong Kong, China, 16-19 December 2008.

Ravneet Kaur: 'TCAD Performance Investigation of a Novel MOSFET Architecture of Dual Material Gate Insulated Shallow Extension Silicon On Nothing (DMG ISE SON) MOSFET for ULSI', at Asia Pacific Microwave Conference, Hongkong Convention and Exhibition Center, Hong Kong, China, 16-19 December 2008.

Other papers of the faculty in International conferences

R. Aggarwal, A. Agrawal, M. Gupta and R.S. Gupta,: 'AlGa_N/Ga_N MISHFET: A Novel Alternative to Power HFETs for High Temperature Microwave Digital and Switching Applications', at Asia Pacific Microwave Conference 2008, Hong Kong, China, 16-19 December 2008.

S.P. Kumar, A. Agrawal, R. Chaujar, M. Gupta and R.S. Gupta: 'Investigating the Linearity Performance of DMG AlGa_N/Ga_N HEMT for Improved RF Applications', presented at XXIX General Assembly of the International Union of Radio Science (Union Radio Scientifique International-URSI), Illinois, USA, 7-16 August 2008.

'DMG AlGa_N/Ga_N HEMT: A Solution to RF and Wireless Applications for Reduced Distortion Performance', at Asia Pacific Microwave Conference (APMC-2008), Hong Kong, China, 16-19 December 2008.

P. Malik, S.P. Kumar, R. Chaujar, M. Gupta and R.S. Gupta: 'Gate Material Engineered-Trapezoidal Recessed Channel MOSFET (GME-TRC) for Ultra Large Scale Integration (ULSI)', at Asia Pacific Microwave Conference (APMC-2008), Hongkong, China, 16-19 December 2008.

S.P. Kumar, A. Agrawal, R. Chaujar, M. Gupta and R.S. Gupta: 'RF Performance Investigation of DMG AlGa_N/Ga_N High Electron Mobility Transistor', presented at International Conference on Recent Advancements in Microwave Theory and Applications (Microwave-2008), Jaipur, 21-24 November 2008.

J. Bansal, N. Sharma, S.P. Kumar, R. Chaujar, M. Gupta, and R.S. Gupta: ‘Two-Dimensional Analytical Sub-Threshold Model of Double Gate MOSFET with Gate Stack’, International Conference on Recent Advancements in Microwave Theory and Applications (Microwave-2008), Jaipur, 21-24 November 2008.

S.P. Kumar, A. Agrawal, R. Chaujar, M. Gupta and R.S. Gupta: ‘RF Performance Investigation of DMG AlGa_N/Ga_N High Electron Mobility Transistor’, at International Conference on Recent Advancements in Microwave Theory and Applications (Microwave-2008), Jaipur, 21-24 November 2008.

Dr. Savithri Singh: ‘Quality Development, Quality Assurance and Quality Education’, Invited talk at eINDIA 2008, at Pragati Maidan, New Delhi, 29-31 July 2008.

‘Wikieducator: Towards freely accessible educational content’, at Freed.in – 2009, the Annual Conference of the ILUG (Indian Linux User Group), Jawaharlal Nehru University, 20-21 February 2009.

Dr. Pankaj Tyagi: Participated in National Conference on Photonic & Material Science, Department of Applied Physics, Guru Jambheshwar University of Science & Technology, Hisar, Haryana, 24-25 October 2008.

Dr. Ram Kumar: ‘Trophic-dynamics in marine and fresh water ecosystems’, Invited talk in National Taiwan Ocean University, Taiwan/ROC, 10 November 2008.

‘Copepod as mosquito control agents: Opportunities and constraints’ - Invited talk at National Taiwan University, Taipei, Taiwan/ROC, 14 November 2008 and at Khon Kaen University, Thailand, 18 November 2008.

N. Ali, D. Bisht, V. Dhingra, A. Dwivedi, A. Garg, R. Sharma and N. Saxena: ‘Understanding L-I Characteristics of Light Emitting Diodes and Laser Diodes’, at Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT-2008), Deen Dayal Upadhyaya College, Delhi University, 26-28 September 2008.

Pankaj Tyagi, Chhavi Ranjan, Karnik Pandya, N.C. Mehra and A.G. Vedeshwar: ‘Single crystal growth of BiI₃ by thermal evaporation: TEM investigations’, in Proceedings of the XXX Annual Conference of EMSI on Electron Microscopy & Allied Fields, Bundelkhand University, Jhansi, UP, 17-20 January 2009.

S.P. Kumar, A. Agrawal, R. Chaujar, M. Gupta and R.S. Gupta: ‘Impact of Dual Material Gate Design on AlGa_N/Ga_N High Electron Mobility Transistor’s RF Performance’, at the National Conference Mathematical Techniques Emerging Paradigm for Electronics and IT Industries (MATEIT 2008), New Delhi, 26-28 September.

N. Sharma, J. Bansal, S.P. Kumar, R. Chaujar, M. Gupta and R.S. Gupta: ‘Analytical Modeling of Multi-Layered Dielectric G⁴-MOSFET for Improved Short Channel Effects’, National Conference on Mathematical Techniques Emerging Paradigm for Electronics and IT Industries (MATEIT 2008), New Delhi, 26-28 September 2008.

P. Malik, S.P. Kumar, R. Chaujar, M. Gupta and R.S. Gupta: 'Effect of control gate length on Device Performance of GME-TRC MOSFET', National Conference on Mathematical Techniques Emerging Paradigm for Electronics and IT Industries (MATEIT 2008), New Delhi, 26-28 September 2008.

Ravneet Kaur: 'Simulation of a Novel ISE MOSFET with Gate Stack Configuration', at the National Conference on Mathematical Techniques Emerging Paradigm for Electronics and IT Industries (MATEIT 2008), New Delhi, 26-28 September 2008.

M. Khanna, R. Solanki and R. Lal: 'Streptomyces chromogiensis and Streptomyces antibiotensis, two novel species from a sanitary landfill soil', at the 49th Annual Microbiological Conference, Department of Zoology, Delhi University, 19-21 November 2008.

Publications

Books

Tyagi, P. 2008. *Visualised Physics –CBSE X*, (1st edn). Delhi: Sultan Chand and Son(s) Pvt Ltd.
2009. *Email –Aadhunik Chithi*, (1st edn). Delhi: Shanti Prakashan.

Kumar, S. 2008. *Exploring Biology*, (1st edn.). Delhi: Sultan Chand and Son(s) Pvt Ltd.
2008. *Visualised Biology-CBSE X*, (1st edn). Delhi: Sultan Chand and Son(s) Pvt Ltd.

Misra, R.R. and Misra, N. 2008. *Numericals in Chemistry- Class XII*, (1st edn). Delhi: Avichal Publishing Company.

Misra, R.R., Misra, N., Srivastava, A. and Jain, R. 2008. *ISC Practical Chemistry, Class XII*, (1st edn). Delhi: Arya Publications.

2008. *Understanding ISC Chemistry, Class XII*, (1st ed.). Delhi: Arya Publications.

Misra, R.R., Misra, N., Srivastava, A. and Jain, R. 2008. *Understanding ISC Chemistry, Class XI*, (1st edn). Arya Publications.

Research Articles in Books or Scholarly Journals

Aggarwal, R., Agrawal, A., Gupta, M., Gupta, R.S. 'Gate Dielectric Engineering of Quarter Sub Micron AlGaIn/GaN MISHFET: A New Device Architecture for Improved Transconductance and High Cut-off Frequency', *Solid State Electronics*, 52: 1610-14.

Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 'TCAD Assessment of Gate Electrode Workfunction Engineered Recessed Channel (GEWE-RC) MOSFET and its Multi-Layered Gate Architecture: Part-I: Hot Carrier Reliability Evaluation'. *IEEE Transactions on Electron Devices*, 55: 2602-13.

Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 'Two-Dimensional Analytical Sub-Threshold Model of Multi-Layered Gate Dielectric Recessed Channel (MLaG-RC) Nanoscale MOSFET', *Semiconductor Science and Technology*, 23: 045006.

'Intermodulation Distortion and Linearity Performance Assessment of 50-nm gate length L-DUMGAC MOSFET for RFIC Design', *Superlattices and Microstructures*, 44: 143-52.

Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 'On-State and RF Performance Investigation of Sub-50nm L-DUMGAC MOSFET Design for High-Speed Logic and Switching Applications', *Semiconductor Science and Technology*, 23: 095009.

Gangwani, P., Kaur, R., Pandey, S., Subhasis, H., Gupta, M. and Gupta, R.S. 'Modeling and Analysis of fully strained and partially relaxed lattice mismatched AlGaIn/GaN HEMT for High Temperature Applications', *Superlattices and Microstructures*, 44(6): 781-93.

Singh, U. and Kapoor, A. 'Single layer Homogeneous model for surface roughness by polarized light scattering', *Optics and Laser Technology*, 40: 315-24.

Kumar, R., Prasad, P., Hans-Uwe Dahms, Tseng, L.C., Jiang-Shiou Hwang: 'Potential of three aquatic predators to control mosquitoes in the presence of alternative prey: a comparative experimental assessment'. *Marine & Freshwater Research*, 59: 817-35.

Tseng, L.C., Kumar, R., Dahms, H.U., Chen, Q.C. and J.S. Hwang: 'Copepod gut contents, ingestion rates and feeding impact in relation to their size structure in the Southeastern Taiwan Strait'. *Zoological Studies*. 47: 402-16.

Tseng, L.C., Kumar, R., Dahms, H.U., Chen, C.T., Souissi, S., Chen, Q.C. and Hwang, J.-S. 'Copepod community structure over a marine outfall area in the northeastern South China Sea', *Journal of the Marine Biological Association UK*, 88(5): 955-66.

Tseng, L.C, Kumar, R., Chen, Q.C., Hwang, J-S.: 'Monsoon driven seasonal succession of copepod assemblages in the coastal waters of the northeastern Taiwan Strait'. *Zoological Studies*, 47(1): 46-60.

Tseng, L-C., Kumar, R., Chen, C-T., Hwang, J-S. and Chen, Q-C.: 'Epipelagic mesozooplankton succession and assemblage structure over a marine outfall field at the northeastern margin of the South China Sea'. *Journal of Environmental Biology*, 29(3): 275-80.

Kumar, R. and Hwang, J-S.: 'Ontogenetic shifts in the ability of the cladoceran, *Moina macrocopa* Straus and *Ceriodaphnia cornuta* Sars to utilize ciliated protists as food source', *International Review of Hydrobiology*, 93: 284-96.

Hooda, S., Brar, A.S. and Goyal, A. 'NMR studies of Poly 2- hydroxyl ethyl methacrylate -2- vinyl pyridine'. *J. Appl. Polym. Sci.*, 109: 1114.

Brar, A.S., Goyal, A.K. and Hooda, S. 'Structural investigation of Poly methyl acrylate from 2 D - HMBC spectra'. *J. Mol. Str.*, 15: 885.

'Stereochemical evolution of vinyl acetate - methyl acrylate copolymer by 2D NMR'. *J. Mol. Str.*, 257: 888.

- Hooda, S. and Goyal, A.K.** 'NMR studies of 2-Hydroxy Ethyl Methacrylate – methyl methacrylate Copolymers', *J. Ind. Chem. Soc.*, 85: 1.
- Brar, A. S., Goyal, A. K. and Hooda, S.:** 'Stereo sequencing of Poly (Acrylonitrile – co - methyl acrylate – co - methyl methacrylate) synthesized by ATRP', *J. Polym. Sci. & Polym. Chem.*, 47: 25.
- Solanki, R., Khanna, M. and Lal, R.** 'Bioactive compounds from marine actinomycetes', *Indian Journal of Microbiology*, 48: 410-31.
- Singh, P., Katyal, A., Kalra, R. and Chandra R.** 'Copper Nanoparticles in an ionic liquid: An efficient catalyst for the synthesis of bis-(4-hydroxy-2-oxothiazolyl) methanes', *Tetrahedron Letters*, 49: 727.
- Singh, P., Katyal, A., Kalra, R. and Chandra, R.:** 'Copper Nanoparticles in an ionic liquid: An easy and efficient catalyst for the coupling of thiazolidine –2, 4-dione, aromatic aldehyde and ammonium acetate'. *Catalysis Communications*, 9: 1618.
- Singh, P., Kumar, S., Katyal, A., Kalra, R. and Chandra, R.:** 'A novel route for the synthesis of Indium nanoparticles in an ionic liquid', *Material Letters*, 62: 4164.
- Kidwai, M., Priya and Rastogi, S.** 'Reactivity of Coumarin derivatives with Nucleophiles in Aqueous Medium', *Z. Naturforsch*, 63B: 71.
- Sharma, V., Chaudhary, R., Khurana, J.M. and Muralidhar, K.** 'In-gel detection of urease by nitroprusside-thiol reaction'. *Phytochemical Analysis*, 19: 99.
- Muralidhar, K. and Chaudhary, R.:** 'Assessment of current protocols for the production of therapeutic gonadotropins'; LXXVII (III): 189-210.
- Chowdhuri, A., Haridas, D., Sreenivas, K. and Gupta, V.:** 'Enhanced oxygen adsorption activity by CuO catalyst clusters on SnO₂ thin film based sensors', Proc. of the Third International Conference on Sensing Technology (ICST 2008), National Cheng-Kung University, Tainan, Taiwan, 30 November–3 December 2008, pp.553.
- Haridas, D., Chowdhuri, A., Sreenivas, K. and Gupta, V.:** 'Enhanced LPG response characteristics of SnO₂ thin film based sensors loaded with Pt clusters', Proc. of the Third International Conference on Sensing Technology (ICST 2008), National Cheng-Kung University, Tainan, 30 November – 3 December 2008, pp.418.
- Haridas, D., Verma, M., Chowdhuri, A., Sreenivas, K. and Gupta, V.:** 'Integration of nano-scale catalysts with SnO₂ films for enhanced H₂S and LPG sensing', Proc. of NANO SENSORS 2008, National Workshop on Nano Sensors and Devices, IIT Delhi, 22-23 December 2008, p.81.
- Goyal, A.K., Brar, A.S. and Hooda, S.** 'Stereo sequence distribution analysis of poly (Acrylonitrile – co – methylmethacrylate-co-methyl acrylate) by 2D NMR'. Proc. of centenary Symposium on future directions in NMR, NMR Research Centre, Indian Institute of Science, Bangalore, p.9.

Aggarwal, R., Agrawal, A., Gupta, M. and Gupta, R.S. 'Theory of Charge Control Characteristics of AlGa_N/Ga_N MISHFET: A High Temperature Study', at the 2nd National Conference Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT), pp. 297-301, September 26-28.

Aggarwal, R., Agrawal, A., Gupta, M. and Gupta, R.S. 'Investigation of Temperature Dependent Microwave Performance of AlGa_N/Ga_N MISHFETs for High Power Wireless Applications', in Proc. of International Conference on Microwave – 08, 21-24 November, University of Rajasthan, Jaipur, pp. 66-8.

Goyal, A.K., Brar, A.S. and Hooda, S.: 'Stereoregularity determination of 2 - hydroxyl ethyl methacrylate based copolymers by 2D NMR spectroscopy', Proc. of International Conference Poly Char 16 - World forum on advanced materials, Lucknow, pp. 150.

AHILYA BAI COLLEGE OF NURSING

Library Development

Books added : 30

Honours/Distinctions

Dr. Saroj Kumar: Received State Award for meritorious service in the field of health care in Delhi, from the Govt. of NCT of Delhi.

Publications

Beck, Ellen. *A practical Record book for Psychiatric Mental Health Nursing*. Delhi: Jay Pee Brothers.

Gusain, S. and Babu, M. *Clinical Case Record for Midwives*. Kumar Publishers.

A & U TIBBIA COLLEGE

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Tanya Malhotra	B.A.M.S.	I
Smruti Menan	B.A.M.S.	II
Dheeraj Verma	B.A.M.S.	III
Asira Tarannum	B.U.M.S.	I
Farhat Khalil	B.U.M.S.	II
Mursheda Begum	B.U.M.S.	III

Library Development

Total Budget : Rs. 20.000

Books added : 200

ADITI MAHAVIDYALAYA

Major Activities

14 students of the Sanskrit Department have been awarded the 'Sanskrit Pratibha Puraskar' by the Delhi Sanskrit Academy. Along with this, 16 students have been honoured with 'Sanskrit Chatravritti Puraskar', by the Delhi Sanskrit Academy.

Library Development

Total Budget	:	Rs.2,10,000
Books added	:	628
Journals subscribed	:	9

New Additions

Ms. Kanchana Narashimhan	-	Geography
Mr. Santosh Kumar	-	Sanskrit
Ms. Ritu Sharma	-	Psychology

Honours/Distinctions

Dr. Anita Ghosh: Board of Directors of Asiana Sports for All Association.

Dr. Beena Antony Reji: Member of Editorial Board of e-journal of National Association of Professional Social Worker in India.

Jury member in Screening Committee of Jeevika South Asia Livelihood Documentary Festival, September 2008.

Dr. Reema Lamba: Awarded Ph.D. degree.

Seminars/Conferences attended

Dr. Saroj Gulati: Participated an International Symposium on 'Social Value System the Role of Women in the context of Religion', organised by Iran Culture House, India International Centre, 28 June 2008.

Dr. Madhu Lomesh: Attended National Conference in Hindi on 'Nai Hindi Kavita, Nai Hindi Kahani V Naya Hindi Natak' Nehru College, 21 August 2008.

Attended National Seminar on December Dr. B.R. Ambedkar on his contribution, an Inter disciplinary perspective organised by UGC, B.R. Ambedkar College, 25-26 September 2008.

Dr. Bhawna Rajput: Attended National Conference on e-Banking: Emerging challenges and opportunities, JDMC, 8 December 2008.

Dr. Upasna Seth: Participated in National Seminar on Food Safety and Quality Management System-From Farm to Fork, Vigyan Bhawan, New Delhi, 11 June 2008.

Dr. Neelam Rathi: Attended National Conference on Adhunik Hindi Sahitya Naya Pariprekshya.

ATMA RAM SANATAN DHARMA COLLEGE

Student Academic Distinctions

Name	Course	Position in the University
Amit Chaudhary	B.A. (Hons.) History	I

Library Development

Total Budget	:	Rs.4,42,500.00
Books added	:	1,142
Journals subscribed	:	50

Honours/Distinctions

Dr. Vinod Sethi: Nominated to receive Gold Medal for India by the American Biographical Institute, USA, for his outstanding contribution in the field of education.

Selected to receive American Order of Merit for his professional acumen.

Seminars/Conferences attended

Dr. Vinod Sethi: Participated in International seminar on 'Terrorism Human Security and Human Rights', organised by O.P. Jindal Global University and Benjamin N Cordozo School of Law, Yeshiva University, USA, at India Habitat Centre.

Dr. Sanjay Singh Baghel: Presented a paper on 'Advertisement & Ethical Values' in first International research workshop on Spiritual and Ethical Foundation of Organisational Development, Pondicherry, 5-7 February 2009.

Presented paper in II International Conference on Integrating Spirituality and Organisational Development, Pondicherry, February 2009.

Publications

Chaudhary, B.B. and George, S.B.: *Human Rights, Gender and Environment*. New Delhi: Shree Mahabir Book Depot Publisher.

Bhattacharjee, A.B. 2008. 'Faraday instability in a two component Bose Einstein condensate', *Physica Scripta*, 78: 045009.

Chung, M.C. and Bhattacharjee, A.B. 2008. 'Dynamical Structure Factor and Spin Density Separation for a Weakly Interacting Two Component Bose Gas', *Physical Review Letters*, 101: 070402.

Bhattacharjee, A.B. and Pietrzyk, M. 2008. 'Transport behaviour of Bose Einstein condensate in a bichromatic optical lattice', *Central European Journal of Physics*, 6: 26.

Bhattacharjee, A.B. 2008. 'Superfluid Dynamics of a Bose Einstein Condensate in a Optical Lattice confined in a cavity'. *Optics Communication*, 281: 3004.

2008. 'Coherence properties of a Bose Einstein condensate in an optical superlattice', *European Physical Journal*, D,46: 499-506.

Flores, J.C., Bhattacharjee, A., Dudeja, S., Kumar, N. and Seckbach, J. 2009. 'Can the biogenicity of Europa's surficial sulfur be tested simultaneously with penetrators and ion traps?' *Geophysical Research Abstracts*. Vol II, EGU 2009 1370,2009, EGU General Assembly 2009.

Bhattacharjee, A.B. and Deudeja, S. 2009. 'Manipulating the conduction process in resonant tunneling diode', Symposium on Nanomaterials and their Applications, Fergusson College, Pune.

AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY

Major Activities

The students of Amar Jyoti Institute of Physiotherapy, along with two faculty members, participated in the World Confederation for Physical Therapists (Asia West Pacific) and IAP Congress in January 2009 held at Mumbai, India, and received the second prize in the poster presentation at the national level. They also participated and reached the finals of the inter-college cultural competition held in this congress.

Library Development

Total Budget	:	Rs.1,20,455.00
Books added	:	96
Journals subscribed	:	9

Seminars/Conferences held

National Seminar on 'Management of Cerebral Palsy Diplegia: Integrating Theory into practice' was conducted at Amar Jyoti Institute of Physiotherapy by Dr. Leena Dhawan and Dr. V. Sunder, 15-16 November 2009.

Seminars/Conferences attended

Dr. Hemant Juneja: Presentation on 'Sports for the Disabled', at International Conference on 'Mobility in Disability' at Manav Rachna Educational Foundation, Faridabad, 30-31 January 2009.

Dr. Leena Dhawan: Presented 'Mobility Challenges in Cerebral Palsy', at International Conference on 'Mobility in Disability' at Manav Rachna Educational Foundation, Faridabad, 30-31 January 2009.

Dr. V. Sunder: Presentation on 'Gait Classification in Cerebral Palsy Diplegia', at International Workshop on Gait Analysis, Ghaziabad, 8 February 2009.

Dr. Hemant Juneja: Invited speaker for a National Seminar on 'Diabetes in Sportspersons', at Banarsidas Chandiwala Institute of Physiotherapy, GGS Indraprastha University, Delhi, 11 February 2009.

Resource person for a seminar on 'Total Hip and Knee Arthroplasties- Current Trends in Surgeries and Rehabilitation', at All Saints Institute of Medical Sciences Ludhiana, Punjab, 25 March 2009.

Dr. V. Sunder: Conducted a National Seminar on 'Management of Cerebral Palsy Diplegia: Integrating Theory into practice', along with Dr. Leena Dhawan at Amar Jyoti Institute of Physiotherapy, 15-16 November 2009.

Dr. Parminder Kaur: Presented a research paper titled 'Relationship of Cervico-thoracic curvature with muscle strength and endurance in subjects with neck pain', at the WCPT-IAP Congress 2009, Mumbai.

BHASKARACHARYA COLLEGE OF APPLIED SCIENCES

Major Activities

The College is connected to Delhi University LAN system through radio link. An Internet facility has been generated with the help of the computers supplied by Delhi University. The College also received several highly sophisticated and useful equipment for its laboratories from Delhi University this year.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ritu Kundu	B.A.Sc. (Hons.) Electronics	I
Sumit Gupta	B.Sc. (Hons.) Polymer Science	I
Santosh Kumar	B.Sc. (Hons.) Polymer Science	II
Piyush Sharma	B.Sc. (Hons.) Polymer Science	III

Library Development

Total Budget	:	Rs.8,81,045.50
Books added	:	1,222
Journals subscribed	:	25

New Addition

Dr. Ramesh Kataria - Chemistry

Seminars/Conferences attended

Dr. N.S. Abbas: Visited Kabul University, Afghanistan, under the project 'Strengthening of Higher Education Programme' (SHEP), sponsored by World Bank through Delhi University from 23 May-14 July 2008.

Dr. Uma Chaudhry: Participated in the Supported Blended Learning Workshop at the Open University in the United Kingdom, 9-13 June 2008.

Ms. Rizwana and Dr. Eram Shahid R.M.: Attended International seminar on '*Emerging Food Safety Risks*', organised by Shriram Institute for Industrial Research in collaboration with Go Global, 11 November 2008.

Dr. Shalini Sehgal: Attended an International Conference on 'Current and Innovative Approaches to Microbiological Food Safety Management', organised by ILSI India on 21-22 October 2008.

Attended a National Seminar on Food Safety and Quality Management System-From Farm to Fort, at Vigyan Bhavan, organised by MOFPI and QCI, 11 June 2008.

Dr. Eram Shahid Rao: attended an International Conference on 'Current and Innovative Approaches to Microbiological Food Safety Management', organised by ILSI India on 21-22 October 2008.

Dr. Meenakshi Garg: Attended International seminar on Emerging food safety risks, Delhi, 11 November 2008.

Dr. Uma Chaudhry: Participated in the seminar 'Empowering the Teacher to engage students in Teaching/Learning Mathematics and Sciences through latest Internet and LAN based Technologies', Conference Centre, Delhi University, 14 January 2009.

Dr. Geeta Bhatt: Presented a paper titled 'Electrical conduction in thin insulating films synthesized by oxygen-nitrogen reactive ion-implantation in silicon', Second National Conference on Mathematical Techniques: Emerging Paradigms for Electronics and IT industries (MATEIT-2008), sponsored by UGC, 26-28 September 2008.

Participated in National Workshop on Advanced Analytical Instrumentation and Applications, held at Advanced Instrumentation Facility, Jawaharlal Nehru University, 5-7 January 2009.

Ms. Rizwana and Dr. Eram Shahid Rao: Attended one week Indo-US bilateral workshop-cum-training on 'Post harvest technology, cold chain management and Food safety issues', organised by Amity University in collaboration with Global Agrisystem, 14-20 November 2008.

Attended a National Seminar on Food Ingredients organised by All India Food Preservers Association [AIFPA] on 13 December 2008.

Dr. Eram Shahid Rao: Attended a National seminar on Food Ingredients, organised by All India Food Preservers Association [AIFP A] on 13 December 2008.

Mr. Avneesh Mittal: Attended an International Conference (IMPACT-09) organised by Aligarh Muslim University, 14-16 March 2009.

Dr. Uma Chaudhry: Participated in a Seminar on Empowering the Teacher to engage students in Teaching/Learning Mathematics and Science through latest Internet and LAN based Technologies, Conference Centre, Delhi University, 14 January 2009.

Ms. Rizwana: Attended a National Seminar on Food Ingredients, organised by All India Food Preservers Association, 13 December 2008.

Presented a paper on 'Preservation of meat' at International Livestock and Dairy Expo ILDEX, Pragati Maidan, New Delhi, 23 August 2008.

Mr. Bhavya Deep: Presented a paper on 'Technology and TQME' in National Seminar on Total Quality Management in Education, organised by Basic Teachers' Training College (IASE/CTE), Gandhi Vidya Mandir, Sardarshahr, in collaboration with UGC, New Delhi, and IASE University, Sardarshahr, Rajasthan, 11-13 October 2008.

Dr. S.K. Shukla: Presented a paper titled 'Synthesis of Some Tailored Bio-Polymers and their Sensitivity Towards Biomolecules', National Symposium I Workshop on New Trends in Biosensors Technology, Hindustan College of Engineering, Mathura, 17-19 January 2009.

Publications

Sehgal, S. Authored a Practical Manual for the Food Microbiology Course for PG Diploma Course in Food Safety and Quality Management, IGNOU – 2008.

'*Fundamentals of Food Microbiology*', for PG Diploma Course in Food Safety and quality management, IGNOU - 2008.

Prakash, N., Sabharwal, S. and Srivastava, S. 2008. 'A Generic Approach to Engineering Transformational Methods', *International Journal of Information and Management Sciences, Tamkang University Publication, Republic of China.* 19 (3): 455-76.

BHIM RAO AMBEDKAR COLLEGE

Major Activities

The College for the second time organised Baba Saheb Bhim Rao Ambedkar Memorial Lecture on the occasion of birth anniversary of Baba Saheb, 14 April 2008.

One of the 20 centres in Delhi for earthquake strong ground motion station for recording and monitoring earthquakes in Delhi under a project jointly handled by Director of Seismology Division (DST) – DU – IIT (Roorkee).

Selected as one of the e-learning centre under DU-ICICI partnership to train students in the field of banking and finance.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Monica Goel	B.A. (Hons.) Social Work	I
Vikas	B.A. (Hons.) Social Work	III

Library Development

Total Budget	:	Rs.4,80,000.00
Books added	:	960
Journals subscribed	:	33

New Additions

Dr. (Mrs.) Kusum Nehra	- Hindi	Mrs. Ritu Wadhawan	- Psychology
Sh. Ritu Shankar Rav	- Psychology	Sh. Indiar Misra	- Psychology
Dr. (Mrs.) Malini Priya	- Psychology	Dr. Arvind Kr. Yadav	- Political Science
Sh. B.M. Das	- Social Work	Dr. Ravindra Singh	- Social Work
Ms. Meenu Anand	- Social Work	Sh. Farukh Fahmeen	- Social Work
Sh. Purshottam	- Commerce	Sh. Anish Gupta	- Commerce
Sh. Mohnish Kumar	- Commerce		

Appointment of faculty members to higher Posts/Assignments

Dr. Tanmay Panda: Associate Professor, BITS, Pilani (Dubai Campus), UAE.

Dr. G.S. Chauhan: Education Officer, UGC, Hyderabad.

Mr. Abhram P.F.: Emotional Well Being Worker, South Australian Health Department, Lower North Health Clare, South Australia.

Dr. Sheoraj Singh: Research Fellow, Indian Institute of Advanced Studies, Rashtrapati Nivas, Shimla.

Dr. R.P. Dwivedi: Fellow in Hindi, ILLI, Delhi University.

Seminar held

National Seminar on 'Dr. Bhim Rao Ambedkar and His Contribution: An Interdisciplinary Perspective', held in the college, 25-26 September 2008.

Seminars/Conferences attended

Dr. Anula Maurya: Presented a paper, 'Participation of SC women in Rural Development of India', International Conference at New York (US), 4-6 July 2008. It was fully funded by UGC.

Dr. Rakesh Shahani: Presented a paper, 'Financial Engineering: Risk Management or Risk Magnification', in International Conference organised by Gurukul Kangri Vishwavidyalaya, Haridwar.

Sh. Narender Thakur: Presented a paper 'Global Migration of Indian Nurses: Challenges of Quantity and Quality', in the 20th Conference of International Association of Historians of Asia, New Delhi, organised by Jawaharlal Nehru University, New Delhi, and Maulana Abdul Kalam Azad Institute of Asian Studies, Kolkata, Asia Project, India International Centre, New Delhi, 14-17 November 2008.

Dr. Mohinder Singh Kadayan: Presented a paper, 'Energy Environment in Agriculture in Jhajjar District of Haryana', at International Conference organised by Swami Shraddhanand College, Delhi University.

Sh. Sibabrata Das: Presented a paper, 'Socio-Spatial Dimensions of Child Health, Poverty, and Development: The case of Orissa', in International Conference on Eradicating Chronic Poverty in India: Policy Issues and Challenges, organised by Chronic Poverty Research Centre (CPRC), Indian Institute of Public Administration (IIPA), New Delhi and Jawaharlal Nehru University, New Delhi, 1-3 October 2008.

Sh. Navin Kumar: Presented a paper, 'Geo-Psychological Dynamics of Environment and Behavior', in an International Conference Bio Diversity, Challenges for Future, Delhi University, 5 September 2008.

Dr. Sangeeta Sharma Dhaor: Presented a paper, 'HIV, Marginalization & Development', in International Conference organised by Department of Social Work, Lucknow University, 1-3 December 2008.

Ms. Meenu Anand: Presented a paper, 'Situating Gender in Indian Informal Sector' in International Seminar on: Mainstreaming of Women's Work and Political Processes: Issues, Challenges and Way Forward', organised by Women's Studies and Development Centre, Delhi University 5-7 November 2008.

Dr. G.K. Arora: Presented a paper, 'Ambedkar and States Recorganisation in Globalising India'. In National Seminar, 'Dr. Bhim Rao Ambedkar and His Contribution: An interdisciplinary Perspective', held in the college 25-26 September 2008.

Dr. Sangeeta Sharma: Presented a paper, 'Affirmative Action Programme for the Underprivileged: An Overview', in the National Seminar, 'Dr. Ambedkar and his Contribution: An Interdisciplinary Perspective', held in the college 25-26 September 2008.

Mr. Sibabrata Das: Presented a paper, 'Between Development and Deprivation: A Study of Marginalized Groups in India', in the National Seminar 'Dr. Ambedkar and His Contribution: An Interdisciplinary Perspective', 25-26 September 2008.

Dr. S.S. Chawla: Presented a paper 'Positing Ambedkar: Representative Justice Vs Redistributive Justice', in a National Seminar, 'Dr. Ambedkar and His Contribution: An Interdisciplinary Perspective', 25-26 September 2008.

Mr. Sanjay Sharma: Presented a paper, 'Revisiting the Historical Writings of Ambedkar', in the National Seminar 'Dr. Ambedkar and His Contribution: An Interdisciplinary Perspective', 25-26 September 2008.

Sh. Navin Kumar: Presented a paper, 'Critical Analysis of Social Justice, Collective Identity Prejudice and Stereotype-Social Psychological Perspective of Time works of Dr. B.R. Ambedkar', at a National Seminar.

Dr. Sarla Devi Bhardwaj: Participated in the National Conference, 'Operation Theory and its Applications', Department of Mathematics, Delhi University.

Dr. Anula Maurya: Organised a National Seminar, 'Dr. Ambedkar and his Contribution: An Interdisciplinary Perspective', and also presented a paper 'Ambedkar Evam Baudh Dharma: Ek Adhyayan', 25-26 September 2008.

Dr. Atul Pratap Singh: Presented a paper, 'Domestic Violence in India: Causes, Consequences and Intervention Strategies', at National Seminar organised by Pt. G.B. Pant Institute of Studies in Rural Development, Lucknow, and ANANYA Institute for Development Research and Social Action, Lucknow, sponsored by Planning Commission, Government of India, New Delhi, 19-20 July 2008.

Dr. Mohd. Shahid: Presented a paper, 'Buddhism and Social Work', in a National Seminar on Faith Based Organizations, HIV & Social Work, at Bangalore, 28-30 August 2008.

Publications

Jain, D. 2008. *Cost Accounting* (Fundamentals). Asian Books Pvt. Ltd.

2008. *Cost Accounting Concept & Method*. Asain Books Pvt. Ltd.

Kumar, S. 2009. *Participative Management: Contemporary Issues and Challenges*. Delhi: Manak Publisher.

Singh, R. 2008. *Child Labour: A Gigantic Social Evil*, Lucknow: Bekram Almi Foundation.

Research Articles in Books or Scholarly Journals

Anand, M. 2008. 'Gender in Social Work Education & Practice in India', *Social Work Education*, 28(1), September 2008, University of Edinburgh, United Kingdom.

'Women in the Unorganized Sector: A Gender Perspective', presented in the Seminar, 'Women Vending in Urban Spaces', in Seminar Report by Department of Social Work, Delhi University.

S. Mohd, 2008. 'Social Work and Human Rights', IGNOU (MSW -004 Social Work and Social Development), New Delhi, pp.23-4.

Sharma, S. 2008. 'Rupee Appreciation: Conceptual Issues and Strategic Orientation', *effulgence*, 6(2).

Chanu, N.V. 2008. 'Mapping Cultural Diffusion: A case Study of Korean Wave in North East India', in *India and Korea Bridging the Gaps*.

- Prasad, R. 2009.** 'Flood Estimation of Kosi River', *Earth System Sciences*, Vol. 2, New Delhi: Concept, pp. 510-38.
- 2008.** 'Dynamic Surface of the Earth', in National Institute of Schooling, (NIOS), New Delhi, pp. 45-61.
- Thakur, R. 2009.** 'Development of National Resources in Chotanagpur Region', *Earth System Sciences*.
- Kadayan, M.S.** 'Global Warming: Challenges for Food Security in India', in *Disaster Management Future Challenges and Opportunities*, New Delhi: I.K. International Publishing House Pvt. Ltd.
- Das, S. 2008.** 'Childhood Under Nutrition: A Comparative Analysis of Scheduled Tribes and others in the Mid-Indian Tribal Region', *Social Change*, 38(1), 64-83.
- Singh, A.P. 2008.** Published an article as an expert under the column 'Gurumantra' regarding 'Secret of success in Social Work' in *Josh, Dainik Jagran*, New Delhi.
- Bhardwaj, T. 2008.** 'Knowledge, Attitude and Practice of Youth for Environment Management', in *Information Technology and Environment Management*, Vol. II, by Jagbir Singh, Delhi: M.D. Publication Pvt. Ltd.
- Dash, B.M. 2008.** 'Migrant Child Labour in Urban Spaces: Scope for Social Work Interventions'. *Social Welfare*, 55(1-2).
2009. 'History of Social Work: Individual Initiatives' in Origin and Development of Social Work in India', by Indira Gandhi National Open University (New Delhi).
- 'Structure and Functioning of the Delhi University Cooperative Thrift and Credit Society: A Case Study', *Indian Cooperative Review*, 46(3): 215-34.

BHAGINI NIVEDITA COLLEGE

Major Activities

Three students of B.Com. IIIrd Year have got placement through the Central Placement Cell, Delhi University, and Students Welfare Committee of the College.

The College organised its 16th Annual Day and Prize Distribution Function on 13 March 2009. Mr. V.P. Rao, Director, Higher Education was the Chief of the Occasion and Swami Nikhileshwarananda, Secretary, Ramakrishna Mission, Vadodara Branch, was the Guest of Honour.

Special Grants/Assistance/Projects

Awarded to the College

Development Grant of Rs. 4,20,000 from UGC:

Books & Journal	:	Rs.1,05,000
Equipments	:	Rs.3,00,000
PTAC	:	Rs.15,000

Library Development

Total Budget	:	Rs.2,45,0000.00
Books added	:	842
Journals subscribed	:	52

New Additions

Dr. Mamta Saharawat - Lecturer - Physical Education

Honours/Distinctions

Dr. Charru Sharma: Awarded Post Doctoral Fellowship by Indian Council of Social Science Research.

Dr. Alokka Dutta: Selected for Visiting International Next Generation Leaders Programme, Seoul (South Korea), 11-20 May 2008.

Seminars/Conferences held

Dr. Charru Sharma: Presented a paper titled 'Facilitating Socio Cognitive Development of Primary School Children Through Creative Drama', at International Congress of Psychology, Germany.

Dr. Alokka Dutta: Presented a paper titled 'The Growth of Consumer and Human Rights Consciousness in Contemporary China', at an International Conference on Consumer Protection and Welfare in the Present Scenario, organised by Swami Sukhdevanand Post Graduate College, Shajapur (UP), Rohillakhand University, 20-21 December 2008.

Presented a paper titled 'The Political Dimensions of Spiritual Tourism in India', at a Conference organised by I.I.T.M., Gwalior, 17-18 January 2009.

Presented a paper in a two-day Seminar on 'Resurgent Asia', organised by the East Asian Studies Department, Delhi University, 20-21 February 2009.

Dr. Rachna Mohan: Presented a paper on 'How can the traditional retailers compete successfully with organised retail?', in the X International Seminar on 'Organized Retailing: Boon or Bane', under the joint auspices of Delhi School of Professional Studies and Research, GGS Indraprastha University and the Society for Human Transformation and Research at New Delhi, 4-5 January 2009.

Publications

Books

Sharma, H. 2008. *Ramcharitmanas ke Asura Patra*. Delhi: Satish Book Depot.

Kaushik, G. 2008. *Valmikiya Ramayan Aur Ramcharitmanas Mein Rajneeti, Vigyan Aur Kala*. Delhi: Vrajeshwari Prakashan.

Rathi, P. *Dastak*. New Delhi: Jyoti Enterprises.

Research Articles in Books or Scholarly Journals

Dutta, A. 2009. 'West Asian Peace Process: The Recent Trends'. In *'Post 9/11, India's Foreign Policy: Opportunities and Challenges'*, (ed.) Savita Pandey. Pentamen Books.

Beniwal, A. and Mehta, A. 2008. 'Contemporary Indian English Women's Poetry and the Representation of Woman: A Critical Reading'. *Critical Practice*, XV: 109-24.

Mehta, A. 2008. 'Trajectories of Exclusion: Indian English Women's Poetry and the Politics of Anthology-making'. *Peagasus*, VI: 21-32.

BHARATI COLLEGE

Major Activities

This year, the College appointed a doctor who is available in the College for free consultation by the staff and students. A Placement Co-ordinator was also appointed whose brief is not only to help students with job placements but also to organise seminars and training sessions for personality development, group discussions and interviews. She also guides those wanting to go in for further studies and specialised training, so that students get into areas in which they have aptitude as well as opportunities.

Special Grants/Assistance/Projects

The College received Rs. 2.10 crore from the UGC towards the construction of an auditorium and 5.65 crore from the Delhi University the construction of an academic-cum-administrative block. UGC released Rs. 10 lakh to augment the computer labs in the College and Rs. 14 lakh for a generator. The College also received Rs. 5 lakh to start a job-oriented course in Journalism.

Library Development

Total Budget	:	Rs.7,77,050.00
Books added	:	970
Journals subscribed	:	46

Honours/Distinctions

The following members of the teaching staff were awarded the Doctor of Philosophy degree :

Sangit Sarita Dwivedi, Department of Political Science; Nandini Chaudhury Sen, Department of English; Saloni Gupta, Department of Commerce; Anupama Mahajan, Department of Commerce and Rajni, Department of Commerce.

Seminars/Conferences attended

Mrs. Romila Aggarwal and Mrs. Roopa Johri: Attended a Workshop at Milton Keynes, UK under the UKIERI Project.

Dr. Kanta Bhatia: Presented a paper at the VII International WAVES Conference at Atlanta University, USA, on 'Sanskrit Grammar: A High Level Technology'.

Presented a paper 'Sanskrit and Computers', at the All India Conference organised by the Delhi Sanskrit Academy.

Dr. Shyamala Bhatia: Presented a paper 'Voices of Women: Position of Women in Colonial Punjabi Society as Reflected in Folk Songs', at an International Conference at Shantiniketan.

Dr. Nandini Chaudhury Sen: Asian scholars to be invited to read a paper at the International Conference of African Literary Association at the Western Illinois University, Macomb, USA, where she also chaired a session. She also presented a paper on 'Lived Experience and Literature: Aesthetics and Architectonics of Writing Dalit', at the National Seminar at Jawaharlal Nehru University.

Dr. Sonali Jain: Read a paper titled 'A Psychoanalytic Reading of Virginia Woolf', at the Centre for Literature and Creative Writing, University of East Anglia, U.K.

Dr. Manju Sharma: Read a paper titled 'Mahabharat mein manaviya mulyon ki sankalpana', at the All India Sanskrit Sammelan organised by the Delhi Sanskrit Academy. At the 44th All India Oriental Conference at Kurukshetra, she read a paper 'Kamayani mein saundarya chetna'.

Publications

Sen, N.C. 'Challenging the Canon'. *Poligrafi International* (London), Vol. 12.

'Women and War', *Journal of African Studies* (New York & London), Vol. 96.

Bhatia, S. 2008. 'Punjab in Turmoil'. *Proceedings of the Punjab History Congress.*

'Verbosity of Proverbs: Position of Jats in Colonial Punjabi Society'. In *The Jats* (ed.) Singh, V. New Delhi: Surajmal Institute.

'Punjab in 1857: Perceptions of Some Englishmen'. In *Rethinking 1857*(ed.) Singh, N. Patiala: Punjab University.

Rajni. 'Causal Relationship between Financial Development and Economic Growth: An Investigation in the case of India 1971-2006'. *Journal of Management*, 3:1.

Sapra, R. *Manav Vikas: Ek Parichay*. New Delhi: Vishwabharati Publications.

COLLEGE OF ART

Major Activities

The Annual National level Seminar-cum-Workshop was hosted by the College from 22-26 September 2008, where 56 senior Fine Art Students from 12 premier Art Colleges in the Country were invited to participate, interact and work in various mediums along with faculty and students of the College.

The Annual Art Exhibition was held from 17-21 March 2009. The Exhibition was inaugurated by his Excellency Hon'ble Lt. Governor of Delhi.

COLLEGE OF VOCATIONAL STUDIES

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Neha Wadhwa	B.A.(V.S.) HRM	I

Library Development

Total Budget	:	Rs.6,00,000
Books added	:	1,860
Journals subscribed	:	74

Honours/Distinctions

Dr. Prem Prakash: Awarded the Kamla Goenka Foundation Award 'Vyangya Bhooshan' at Mumbai and 'Vyangya Shri Samman' at New Delhi.

Seminars/Conferences attended

Dr. Inder Jeet: Attended EDGE 2009 Conference held at Hyderabad, Transforming Educational Institutions for Global Opportunities. He was a speaker in the National Conference organised by NAAC on Quality Management in this Institution of Higher Education at Jaipur, 16-17 March 2009.

Dr. Harjender Chaudhary: Attended an International Conference held at Tokyo University, Tokyo, 12-14 December 2008.

Attended 'Aksharam' - International Hindi Festival at IIC, New Delhi, 26-28 December 2008.

Dr. Vinoo Bhalla: Attended the National Convention on Testing and Evaluation (Hindi) at Mysore, February 2009.

Dr. R.K. Chopra: Attended a Seminar on 'Global Economy and Indian Financial Markets', organised by the Department of Financial Studies, Delhi University in September 2008.

Dr. Bharat Gupta: Attended a National Seminar on 'Art & Culture for Indian Resurgence', IIC New Delhi.

Publications

Jain, V.K. 2009. *Aaj Ki Kavita* (Hindi). New Delhi: Raj Kamal Prakashan.

Janmejay, P. 2008. *Kaun Kutil Khel Kami* (Hindi). Delhi: Prabhat Prakashan.

Gupt, B. 2008. *India; a cultural decline or revolt*. New Delhi.: DK Printword.

Articles

Sunil. 2008. 'WTO and its impact on Small-Scale Industry' *Kashi Journal of Development*.

Mohanti, P.C. 2009. 'Capacity Building measures of ICT for human development'. Centre for Development Studies, Kerala.

Geetha, M. 2008. 'Beneath the surface'. International Conference, Kansal (USA).

Pratap, M. and Das, S. 2008. 'Poverty, Health and Environment Nexus Poverty Health Environment', New Delhi.

DELHI COLLEGE OF ENGINEERING

Major Activities

There is a strong research culture right up to the UG level resulting into high research and innovation achievements by UG students. Mr. Rahul Gaba, IV Yr. BE (PSCT) student, has designed and developed an organic solar cell. Mr. Chandan Kumar, III Yr. BE (CE) and his team of UG students have designed a Moonbuggy which has fetched them the Best Initial Design Award 2008 by NASA and the American Institute of Aeronautics and Astronautics (AIAA). DCE students have designed a Rotic Submarine, an autonomous underwater vehicle, which has received the Most Improved Design Award 2008 at the International Competition at San Diego, USA, organised by AUVSI. It was the only team from India among 42 teams worldwide. DCE I year students team led by Mr. Avnish Phogaat has designed and developed an Unmanned Aircraft which has participated in the SAEINASA International Competition in March 2009.

DCE has developed a strong R&D culture in Bio diesel Research & Development, Broadband over Power Lines, Energy Farming, Fiber Optics & Photonics, Nanomaterials, Biodegradable

& Conducting Polymers. Nearly 77 publications are appearing in National/International journals of repute.

Library Development

Total Budget : Rs.1.49 crore
Books added : 4,186
Journals subscribed : 6,000

New Additions

Mr. Parveen Kumar - Mechanical Engg. Mr. Sanjay - Mechanical Engg.
Mr. Mahender Singh - Mechanical Engg. Mr. Manjri Nath K. - Mechanical Engg.
Niranjan
Mr. Krovvidi Srinivas - Mechanical Engg. Mr. Naushad Ahmed - Mechanical Engg.
Ansari
Mr. Roop Lal - Mechanical Engg. Mr. P.K. Jain - Mechanical Engg.
Mr. Prem Parkash - Electrical Engg. Mr. T. Vijay Kumar - Civil Engg.
Dr. Akshi Kumar - Computer Engg. ShriShalenderKumar - Computer Engg.
Shri. S. T. Nagrajan - Electrical Engg. Shri. Bharat Bhushan - Electrical Engg.
Dr. Rajeshwari Pandey - Electronics Engg. Dr. Neeta Pandey - Electronics Engg.
Mr. Jeebananda Panda - Electronics Engg. Dr. Rajni Jindal - Computer Engg.
Mr. Vinod Kumar - Computer Engg. Dr. MadhusudanSingh - Electrical Engg.

Appointment of faculty members to higher Posts/Assignments

Dr. P.L. Patel: Appointed Professor in NIT, Surat, Gujarat.

Dr. Shamsar: Appointed Professor in NIT, Jallandar, Panjab.

Honours/Distinctions

Prof. P.B. Sharma: Received Eminent Engineer Award-2008 from the Institution of Engineers (India), 15 September 2008.

Prof. Asok Bhattacharyya: Received Branch Counsellor Award for the year 2008 from IEEE, USA.

Prof. R.K. Sinha: Invited Fellowship from Japan Society for Promotion of Science and Royal Academy of Engineering (UK) fellowship for the year 2008.

Awarded Royal Academy of Engineering Fellowship in 2008 to carry out R&D work in Glasgow University, UK.

Dr. D. Kumar: Invited by Tokyo Institute of Technology, Japan, to work for 4 weeks in the laboratory of Conducting Polymers.

Seminars/Conferences held

International Built Environment Technologies Seminar:

National Seminar on Creating Knowledge Power in the World of Learning, Co-ordinator: Dr. R.C. Sharma, Dean (IC), DCE, 25-26 August 2008.

National Workshop on Entrepreneurship Development, Co-ordinator: Dr. R.C. Sharma, Dean (IC), DCE, 21 August 2008.

International Entrepreneurship summit, E-Summit 2009, Co-ordinator: Dr. R.C. Sharma, Dean (IC), 20-21 February 2009.

National Conference on Innovation in Polymers, Co-ordinator: Dr. D. Kumar, Assistant Professor, Applied Chemistry, 26 February 2009.

Publications

Books Published by the Existing Faculty

Jha, A.K. 2008. *A Text book of Physics*, New Delhi: Galgotia.

Singh, S. 2008. *Economics for Engineering*, IK International.

Jain, N.K. 2008. *Automatic Control Engineering* Dhanpat Rai.

Research Papers of Civil Engineering Department

Kumar, M. 2008. 'Hydrodynamic stability of fluid flow through a flexible pipe with outer rigid shroud by Energy method', Part-2: *Axisymmetric disturbances*, Vol. 4, No.1.

Haritash, A.K., Kaushik, C.P., Kaushik, A., Kansal, A. and Yadav, A.K. 2008. 'Suitability assessment of groundwater for drinking, irrigation, and industrial use in some North Indian villages'. *Environmental Monitoring and Assessment*, **145(1-3): 397-406.** (Springer).

Arora, B.B. and Pathak, B.D. 'Effect of geometry on the performance of annular diffuser', *Journal of fluid Science and technology*, JSME.

'Effect of inlet swirl on the pressure recovery of annular diffuser', *International Journal for Numerical Methods in Fluids*, Wiley.

'CFD Analysis of swirl on annular diffuser geometry', *Computer Methods in Applied Mechanics and Engineering*, Elsevier.

'CFD analysis of parallel hub axial annular diffuser', *International Journal of Aerodynamics*, Indescience.

Singh, R.K., Garg, S.K. and Deshmukh, S.G. 2008. 'Competitiveness of SMEs: A Review', *Benchmarking*: 15(5): 525-47.

2008. 'Implementation of Information Technology: Evidences from Indian SMEs', *International Journal of Enterprise Network Management*, 2(3): 248-67.
- Singh, R.K., Garg, S.K. and Deshmukh, S.G. 2008.** 'Challenges and Strategies for Competitiveness of SMEs: A Case Study', *International Journal for Services and Operations Management*, 4(2): 181-200.
- Singh, R.K. 2008.** 'Green Supply Chain Management: An Overview', *Productivity Promotion*. 11(40): 32-40.
- Reeta Wattal and Pandey, S. 2008.** 'Welding Current and Bead Profiles in GMAW of Aluminum', IIW, International Congress, Chennai, 8-10 January, Session 7-B, Arc Welding Processes-2, pp. 821-6.
- Pravin Kumar, Shankar, R. and Yadav, Surendra S. 2008.** 'An Integrated Approach of Analytic Hierarchy Process and Fuzzy Linear Programming for Supplier Selection in Supply chain', *International Journal of Operational Research*, 3(6): 614-31.
2008. 'Flexibility in global supply chain: Modeling the enablers', *Journal of Modeling in Management*, 3(3): 277-97.
- Kumar, P. 2008.** 'An integrated model of AHP and TOPSIS for 3PL evaluation', *Asia-Pacific Business Review*, IV(3): 3-13.
- Kumar, P. and Shankar, R. 2008.** 'Design optimization and prioritization in a product development using fuzzy QFD', *Industrial Engineering Journal*, 1(3): 2-8. (Best paper award of the year 2007-08).
- Aggarwal, A. and Gupta, D. 2008.** 'Security Requirements Elicitation Using View Points for online System', IEEE Explore no. DOI 10. 1109/ICETET.2008.91, pp. 1238-43.
- Gupta, D. and Mohd. Sadique, 2008.** 'Software Risk Assessment and Estimation Model', IEEE Explore no. DOI 10.1109/ICCSIT. 2008.184, pp. 963-7.
- Gupta, D., Kaushal, S. and Sadiq, M.** 'Software Estimation Tool Based On Three Layer Model For Software Engineering Metrics' published in the proceedings of IEEE's ICMIT-08, Bangkok, Thailand.
- Singhal, A., Jindal, R. and Singhal, A. 2008.** 'A Semantic Web based e--learning system' published in Digital Learning India (eINDIA2008) an International Conference, New Delhi, 29-31 July 2008.
- Singhal, A. and Jindal, R. 2008.** 'Semantic Web approach in Software Engineering', published in the 4th International Conference on Challenges and Development in IT (ICCDIT-2008), Punjab.
- Jindal, R. and Gupta, A. 2008.** 'Open Traffic Information System', published in 4th International Conference on Challenges and Development in IT-2008, Punjab, India.

Saxena, P.C., De, A. and Jindal, R. 2008. 'A novel scheme for candidate generation for mining frequent patterns' published in the International Journal of Soft computing ISSN: 1816-9503, 3(3), 205-11.

Bhaskar, S. and Saxena, S.K. 2008. 'Designing ActiveSync for Pocket PC using Wireless Technology', *International Journal of Maritime Information and Communication Sciences*, 6 (2).

Bhatia, M.P.S. and Kumar, A. 2008. 'Information Retrieval & Machine Learning: Supporting Technologies for Web Mining Research & Practice' *Webology*, ISSN 1735-188X.

2008. 'A Primer on the Web Information Retrieval Paradigm', *Journal of Theoretical and Applied Information Technology (JATIT)*, 4(7): 657-62. E-ISSN 1817-3195 / ISSN 1992-8645.

Bhattacharyya, A., Mehta, S.B., Choudhury, S. and Jena, A. 2008. 'Handcrafted Fuzzy Rules for tissue classification'. *International Journal of Magnetic Resonance Imaging*, 26: 815-23. Also available online www.sciencedirect.com. (Elsevier Publication).

Pandey, N., Paul, S.K. and Jain, S.B. 2008. 'New high-input impedance voltage-mode universal biquad: multi input multi output', *Journal of Active & Passive Electronic Devices*, 3: 93-100.

Pandey, N. and Paul, S.K. 2008. 'A novel electronically tunable sinusoidal oscillator based on CCCII(IR)' *Journal of Active & Passive Electronic Devices*. 3: 135-41.

Pandey, N., Paul, S.K. and Jain, S.B. 2008. 'Voltage Mode Universal Filter using Two Plus Type CCII's', *Journal of Active & Passive Electronic Devices*. 3: 165-73.

Gupta, K., Pandey, N. and Gupta, M. 2008. 'Low power VLSI circuits for Mobile Wireless Computing Systems', Proc. National Conference on Mobile Computing, pp. 275-90.

Pandey, N., Paul and Jain, S.B. 2009. 'A new electronically tunable current mode universal filter using MO-CCCII' *Analog Integrated Circuits and Signal Processing*, 58: 171-8.

Kapoor, R. and Saini, M. 2008. 'Classification of PQ Events using Multiwavelet Transform & Dempster-Shafer Classifier'. IEEE, Power Deliver.

Saxena, P.C., De, A. and Jindal, A. 2008. 'A Novel scheme for candidate generation for mining frequent patterns', *International Journal of soft computing*, 3(3): 205-11. ISSN: 1816-9503.

Chakarvarty, T., Sunil K. Khah and De, A. 'Closed form expressions for computation of mutual admittance of a class of Gap-Coupled circular microstrip antennas', *Microwave and Optical Technology Letters*, 50(4): 24-7, April 2008.

Raghava, N.S. and De, A. 'A Novel High Performance Patch Radiator', *International Journal in Microwave Science and Technology*, Hindawi Publication Corporation, Article ID 562193, 4 pages doi:10.1155/2008/562193.

Mahajan, M., Khah, S.K., Chakarvarty, T. and De, A. 'Resonant frequency of asymmetrically loaded annular microstrip antenna', *Microwave and Optical Technology Letters*, pp. 2351-3, published online: Jun 18 2008, DOI: 10.1002/mop.23673.

Kumar, P. and Mahajan, A. 2009. 'Soft computing technique for the control of an active power filter', *IEEE Transaction on Power Delivery*, 24(1): 452-61.

Bhowmick, S., Das, B. and Kumar, N. 2008. 'An indirect UPFC model to enhance Reusability of Newton Power Flow Codes', *IEEE Transactions on Power Delivery*, 23(4): 2079-88.

'An indirect model of SSSC for reducing complexity of coding in Newton power flow algorithm', *Electric Power Systems Research*, 77(10): 1432-41, Elsevier, Science Direct, UK.

Bhattacharya, A.B., Dutta, V., Singh, M. and Dasgupta, N. 'SIMULINK Models of PV as Stand Alone System', in the Proceeding of 18th International Conference on Photovoltaic Science & Engineering, Kolkata, 19-23 January 2009.

Singh, M. 'Wind Energy-The Status and Prospective', in the Proceedings of National Conference on Problems, Practices and Prospects in Power Distribution System Operation and control', 23-24 January 2009, pp.18-24.

Verma, V. 2008. 'Selective Compensation of Power Quality Problems through Active Power Filter by current Decomposition', *IEEE Transactions on Power Deliver*, 24(2): 792-9.

Sinha, R.K. and Rawal, S. 2008. 'Modeling & Design of 2D- Photonic Crystal based Y type Dual Band Wavelength Demultiplexer', *Optical and Quantum Elect.*, 40(9): 603-13.

Varshney, S.K., Lizawa, K., Tsuchida, Y., Koshiba, M. and Sinha, R.K. 2008. 'Raman Amplification Characteristics of AS₂Se₃ Photonic Crystal Fibers', *Optics Letters*, 43(21): 2431-3.

Varshney, S.K., Saitoh, K., Saitoh, N., Tsuchida, Y., Koshiba, M. and Sinha, R.K. 2008. 'Strategies for realizing Photonic Crystal Fiber Bandpass Filters', *Optics Express*, 16(13): 9459-67.

Kalra, Y. and Sinha, R.K. 2008. 'Modelling and design of complete photonic band gaps in 2D photonic crystals', *Pramana-Journal of Physics*, 70(1): pp.153-61.

Sinha, R.K. and Varshney, A.D. 2008. 'Structural study of superprism phenomenon in Photonic Crystal', Presented in SPIE International Conference on Optics and Photonics, at SanDiego Published in Proc. of SPIE, Vol. 7056, 70561C.

- Rajput, M. and Sinha, R.K. 2008.** 'Photonic crystal based polarization beam splitter utilizing the phenomenon of negative refraction', Presented in SPIE International Conference on Optics and Photonics, at San Diego, 10-14 August 2008; Published in Proc. of SPIE, Vol. 7056, 705620.
- Rawal, S. and Sinha, R.K. 2008.** 'Dual band wavelength demultiplexere consisting of SOI based Photonic Crystal: Design and Analysis', Optics and Photonics Conference, held at San Diego and to appear in Proc. of SPIE, Vol. 7056, 70560T.
- Ganguly, P., Jha, A.K. and Deori, K.L. 2008.** 'Complex impedance studies of tungsten-bronze structured $Ba_5SmTi_3Nb_7O_{30}$ Ferroelectric ceramic'. *Solid State Communications*, 146: 472.
- Coondoo, I. and Jha, A.K.** Enhancement of ferroelectric and piezoelectric characteristics in europium substituted $SrBi_2Ta_2O_9$ ferroelectric ceramics, *Materials Letters* 63(2009): 48-50.
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- Gupta, A.P. 2008.** Preparation and characterization of potato starch based low density polyethylene/low density polyethylene grafted maleic anhydride biodegradable polymer composite. *Polymer-Plastic Technology and Engg.*, 47: 953-9, USA.
- Mir, I. and Kumar, D. 2008.** 'Recent advances in isotropic conductive adhesives for electronics packaging applications', *Intl. J. Adhesion & Adhesives*,. 28: 362-71.
- Singh, C.P. Mohd. Zeyauddin and Shri Ram. 2008.** 'Anisotropic Bianchi - V Cosmological Models in Saez-Ballester Theory of Gravitation'. *Int. J. Modern Phys. A*, 23(18): 2719.
- 2008.** 'Bianchi type - V perfect fluid space time models in general relativity'. *Astrophysics and Space Science*, 315: 181.
- Singh, C.P. and Beesham, A. 2008.** 'Early Universe in Scalar - Tensor Theory'. *Int. J. Theor. Phys.* 47(9): 2344-52.
- Kumar, S. and Singh, C.P. 2008.** 'An Exact Bianchi type - I Cosmological Model in Lyra's Manifold', *Int. J. Modern Phys. A.*, 23: 813.
- Kumar, S. and Singh, C.P. 2008.** 'Exact Bianchi Type - I cosmological models in a scalar tensor theory', *Int. J. Theor. Phys.*, 47: 1722.
- Singh, S. 2009.** 'Developing Finishing Courses for Engineering Education', *University News*, 47(6): 8-13.
- Verma, O.P., Hanmandlu, M., Bambiwal, S.B. and Kulkarni, M. 2009.** 'An Improved Two Step Fuzzy Filter for Impulse Noise', at International Conference on Computer, Communication, Control and Information Technology (C3IT-2009).

Verma, O.P., Hanmandlu, M., Kumar, P. and Srivastav, S. 2009. 'A Novel Approach for edge Detection using ant colony optimization and fuzzy derivative technique', at International Advance Computing Conference (IACC-2009), held in Patiala.

Choudhary, A., Raghava, N.S. and De, A. 2008. 'A High Gain Rectangular Patch Radiator with Square Holes in the Ground Plane', presented in the International Conference EUROEM2008, Switzerland.

Choudhary, A., Raghava, N.S., Biswas, A. and De, A. 'A Highly Efficient Rectangular Microstrip Antenna with Hexagonal Holes as an Electromagnetic Bandgap Structure in the Ground Plane', presented in the International Conference on Recent Advances in Microwave Theory and Applications (Microwave-2008), 21-24 November 2008.

Singh, D., Raghava, N.S., Biswas, A. and De, A. 'Dual frequency rectangular notch square microstrip antenna with EBG', presented at International symposium on Microwaves, Bangalore, 3-6 December 2008.

DEEN DAYAL UPADHYAYA COLLEGE

Major Activities

Students of the Department of English launched their own web-page on FREED.IN, an Open Educational Resource, and uploaded in-house pedagogical techniques of learning. Students of the Business Studies Department were high on their organisational and creative skills; they organised a full-day colloquium 'ECCLESIA 08' on the theme 'An Endeavor towards Corporate Excellence'. They also organised an inter-college competition MILANZ, towards the end of February 2009.

This year the Founder's Day function was graced by Dr. Subramaniam Swamy, Former Industry and Law Minister. An Inter-College Choir and Solo Classical Dance Competition was organised in collaboration with the Culture Council, Delhi University, on 24 September 2008. The Dramatics Club staged a play 'Swami Ji' at Sir Shanker Lal Concert Hall, Delhi University and also in the Natya Samrat Samaroh – a professional theatre festival. Under the aegis of Spic Macay the college invited Padmashree Smt. Teejan Bai Pandawani and renowned Bharatanatyam exponent Smt. Rama Vaidyanathan to perform

New courses/subjects introduced

Two Add-on courses were introduced:

English Language Teaching.

Effective Communication and Personality Development through Theatre.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Inder Singh	PGDCA	I
Jyoti	PGDCA	III

Special Grants/Assistance/Projects

Awarded to the College: Non-Recurring Grant of Rs. 27.5. lakh for purchase of equipment, upgrading of office and Departments of the College from the Govt. of NCT of Delhi.

Awarded to Individual Teachers: **Dr. Nisha Rana**, Reader, Deptt. of Commerce - Grant from UGC of Rs. 4,60,000 for holding the Residential Sensitisations/Awareness Workshop under UGC Scheme on 'Capacity Building for Women Managers in Higher Education', as per XI Plan guidelines.

Dr. Deepak Jain: Appointed Co-Investigator in a major joint research project funded by DST.

Library Development

Total Budget	:	Rs.9,75,000.00
Books added	:	1,368
Journals subscribed	:	60

Appointment of faculty members to higher Posts/Assignments

Dr. Anand Saxena: Academic Secretary of Institute of Lifelong Learning, Delhi University.

Dr. Nisha Rana: Member, Core Committee of the Central Placement Cell, Delhi University.

Honours/Distinctions

Dr. Avninder K. Singh: Awarded Post-Doctoral Research Assistantship with Armagh Observatory, UK.

Dr. Manoj Saxena: Listed in the Golden List of IEEE Transactions on Electron Devices Reviewers 2008.

Senior Member of Institute for Electronics and Electrical Engineers, (IEEE), USA.

Member, Institution of Engineering and Technology (IET), UK.

Member, International Association of Engineers, Hong Kong.

Dr. Kasturi Poonam: Awarded Ph.D. degree.

Seminars/Conferences held

National Conference MATEIT-2008, sponsored by UGC, was organised by the Forum for Inter-disciplinary Application in Sciences (FiDAS) 26-28 September 2008.

Workshop on Quantum Mechanics: Theory and Application was organised by the Forum for Inter-disciplinary Application in Sciences (FiDAS). It was sponsored by Delhi Chapter of the National Academy of Sciences, India, and supported by Macmillan India Ltd., 21-22 November 2008.

ECCLESIA 08' – 'An Endeavour towards Corporate Excellence', was organised on 30 September 2008 at the Conference Centre of Delhi University by the Department of Business Studies.

Confab 09' 'Global Financial Crisis: Impact and the Road Ahead' was organised by the Department of Commerce at Sir Shankar Lal Concert Hall, 6-7 February 2009.

Seminars/Conferences attended

Dr. Manoj Saxena: Reviewer of Papers submitted in Asia Pacific Microwave Conference (APMC)-2008, Hong Kong, China, 16-19 December 2008.

Dr. Deepak Jain: Attended Workshop on Cosmology with CMB & LSS at IUCAA, Pune, August 2008.

Dr. Vinod Kumar: Attended XI CRSI National Symposium in Chemistry at National Chemical Laboratory, Pune, 6-8 February 2009.

Dr. Manoj Saxena: Co-convenor and Secretary of the Second National Conference on 'Mathematical Techniques: Emerging Paradigms for Electronics and IT Industries (MATEIT – 2008)', organised at Deen Dayal Upadhyaya College, 26-28 September 2008.

Co-ordinator of Workshop on 'Quantum Mechanics: Theory and Application', organised by Forum for Inter-disciplinary Application in Sciences (FiDAS) at Deen Dayal Upadhyaya College, 21-22 November 2008.

Dr. Ratnesh Saxena: Attended Pre-International Congress of Mathematics at Delhi. He was a Resource Person for a Workshop on 'Optimization Techniques' sponsored by DST at Banasthali, Rajasthan.

Dr. R.M. Bhardwaj: Delivered a lecture on 'The Methods and the Stages of the Preservation of Scriptures in Ancient India; Oral tradition', at the Tattvabodha Monthly Lecture series on 27 June 2008 at National Mission for Manuscripts, Indira Gandhi National Centre for Arts (IGNCA), Ministry of HRD, Govt. of India, and at the UGC sponsored DSA Lecture series at the Deptt. of History, Delhi University, 3 December 2008.

Read a Paper titled 'The Vratas and the Women: A Literary Enquiry into the position of women in the Vrata system of Brahmanical Religion in North and Central India: 5th – 12th

Centuries A.D.’ at the Global Congress on World’s Religions after September 11 – An Asian Perspective’ organised by the Centre for the Study of Comparative Religions and Civilizations, Jamia Millia Islamia, New Delhi and Faculty of Religious Studies, McGill University, Canada, 17-19 January 2009.

Dr. Nisha Rana: Resource person for UGC conducted Sensitivity/Awareness/ Motivation (SAM) Workshop on the theme of ‘Women in Academic Leadership’, Kirori Mal College, Delhi University, 29 January 2009.

Publications

Arora, S. and Arora, S.R. 2008. ‘Multiobjective Quadratic Facility Location Problem’, *International Journal of Management Science*, 14: 65-86.

2008. ‘A Branch and Bound algorithm for the partial coverage capacitated plant location problem’. *Opsearch*, 45: 139-54.

Bhardwaj, R.M. 2008. ‘An Inscriptional Enquiry into the status of women in the Vrata System of Brahmanical Religion in North and Central India: A.D. 400-1200’ *The SSEASR (South and Southeast Asia Culture and Religion) Journal*, II: 109-18.

Bhatia, S. and Singh, Y.P. 2008. Index Arbitrage: Evidence from the Indian Stock Market; *Indian Journal of Commerce*, 61(2).

Dev, A., Jain, D., Jhingan, S., Nojiri, S., Sami, M. and Thongkool, I. 2008. ‘Delicate FCR gravity models with disappearing cosmological constant and observational constraints on the model parameters’, *Physical Review D*, 78: 083515.

Jain, M., Sakhuja, R., Khanna, P., Bhagat, S. and Jain, S.C. 2008. ‘A facile synthesis of novel unsymmetrical bis-spiro[indole-pyrazolanyl-thiazolidine]-2,4’-diones’ *ARKIVOC*, XV: 54-64.

Kasturi, P., Saxena, M., Gupta, M. and Gupta, R.S. 2008. ‘Dual Material Double Layer Gate Stack SON MOSFET: A Novel Architecture for enhanced analog performance – Part I Impact of Gate Metal Workfunction Engineering’, *IEEE Transactions on Electron Devices*, Vol. 55, No. 1, pp.372-81.

2008. ‘Dual Material Double Layer Gate Stack SON MOSFET: A Novel Architecture for enhanced analog performance – Part II Impact of Gate Dielectric Material Engineering’, *IEEE Transactions on Electron Devices*, 55(1): 382-7.

Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2008. ‘Laterally amalgamated DUAL Material GATE Concave (L-DUMGAC) MOSFET For ULSI’, *Microelectronic Engineering*, 85(3): 566-76.

2008. ‘Two-dimensional analytical sub-threshold model of multi-layered gate dielectric recessed channel (MLaG-RC) nanoscale MOSFET’, *Semiconductor Science Technology*, 23: 045006 (10pp).

2008. 'Intermodulation Distortion and Linearity Performance Assessment of 50-nm gate length L-DUMGAC MOSFET for RFIC Design', *Superlattices and Microstructures*, 44: 143-52.

2008. 'On-state and RF performance investigation of sub-50nm L-DUMGAC MOSFET design for high-speed logic and switching applications', *Semiconductor Science Technology*, 23 095009 (8pp).

2008. 'TCAD Assessment of Gate Electrode Workfunction Engineered Recessed Channel (GEWE-RC) MOSFET and its Multi-Layered Gate Architecture: Part-I: Hot Carrier Reliability Evaluation', *IEEE Transactions on Electron Devices*, 55(10): 2602-13.

Gupta, R.S., Saxena, M. and Kasturi, P. 2008. 'A TCAD Study of Sub-100nm Advance Gate Electrode Workfunction Engineered SON MOSFET', *International Journal of Microwave and Optical Technology Letter (IJMOT)*, 3(3): 190-5.

Genwa, K.R. and Genwa, M. 2008. 'Photogalvanic cell: A new approach for green and sustainable chemistry', *Solar Energy Materials & Solar Cells* 92: 522-9.

Books

Chhabra, T.N. 2008. *Essentials of Management*, New Delhi: Sun India Publications.

2009. *Entrepreneurship Development*, New Delhi: Sun India Publications.

Communication to Symposia/Seminars/Conferences

Bhardwaj, R.M. 2008. 'Preservation of Ancient Indian Scriptures: Oral Tradition', International Seminar on Sangitis (Buddhist Councils): Perspectives and Prospects, Department of Buddhist Studies, Delhi University.

Kumar, V. 2008. 'Studies on Copper (II) Co-ordination with biomimic ligand and exogenous ligands', 4th Asian Biological Inorganic Chemistry Conference (AsBIC IV), Jeju, Republic of Korea.

Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2008. 'Development Board-Level Experimentation and Simulation of FPGA based DEBPSK DSSS Modulator: Implementation of 10-Chip Gold Code Sequence Generator', Second National Conference on Mathematical Techniques Emerging Paradigm for Electronics and IT Industries (MATEIT 2008), New Delhi, 26-28 September 2008.

Kaur, R., Chaujar, R., Saxena, M. and Gupta, R.S. 2008. 'Simulation of a Novel ISE MOSFET with Gate Stack Configuration', Second National Conference on Mathematical Techniques Emerging Paradigm for Electronics and IT Industries (MATEIT 2008), New Delhi, 26-28 September 2008.

2008. 'An Iterative Approach to Characterize Various Advanced Non-Uniformly Doped Channel Profile', NSTI Nanotechnology Conference and Trade Show, Boston, Massachusetts, USA. 1-5 June 2008, *Nanotech*, 3: 814-7.

2008. 'Pre-Distortion Assessment of Workfunction Engineered Multilayer Dielectric Design of DMG ISE SON MOSFET', NSTI Nanotechnology Conference and Trade Show, Boston, Massachusetts, USA. 1-5 June 2008, Nanotech, 3: 605-6.

Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2008. 'Assessment of L-DUMGAC MOSFET for High Performance RF Applications with Intrinsic Delay and Stability as Design Tools', NSTI Nanotechnology Conference and Trade Show, Boston, Massachusetts, USA. 1-5 June 2008, Nanotech, 3: 586-9.

2008. 'Compact Analytical Threshold Voltage Model for Nanoscale Multi-Layered-Gate Electrode Workfunction Engineered Recessed Channel', NSTI Nanotechnology Conference and Trade Show, Boston, Massachusetts, USA. 1-5 June 2008, Nanotech, 3: 873-6.

2008. 'Impact of Multi-Layered Gate Design on Hot Carrier Reliability of Gate Electrode Workfunction Engineered Recessed Channel (GEWE-RC) MOSFET', XXIX General Assembly of the International Union of Radio Science (Union Radio Scientifique International-URSI), Chicago, Illinois, USA, 7-16 August 2008.

Kaur, R., Chaujar, R., Saxena, M. and Gupta, R.S. 2008. 'Impact of Gate Stack Configuration onto the RF/analog Performance of ISE MOSFET'. Microwave-2008 Conference, Jaipur, 21-24 November 2008.

Chaujar, R., Kaur, R., Saxena, M., Gupta, M. and Gupta, R.S. 2008. 'GEWE-RC MOSFET: A solution to CMOS technology for RFIC design based on the concept of intercept point', Microwave-2008 Conference, Jaipur, 21-24 November 2008.

2008. 'GEWE-RC MOSFET: High Performance RF Solution to CMOS Technology', Asia Pacific Microwave Conference (APMC)-2008, in Hong Kong Convention and Exhibition Center, Hong Kong, China, 16-19 December 2008.

Kaur, R., Chaujar, R., Saxena, M. and Gupta, R.S. 2008. 'TCAD Performance Investigation of a Novel MOSFET Architecture of Dual Material Gate Insulated Shallow Extension Silicon on Nothing MOSFET for the ULSI-Era', Asia Pacific Microwave Conference (APMC)-2008, in Hong Kong Convention and Exhibition Center, Hong Kong, China, 16-19 December 2008.

Jain, S.C., Panda, S., Khanna, P. and Bhagat, S. (Presented by Prof S.C. Jain) 2008. 'Clean, Benign and Aqua Mediated Synthesis of Pharmacologically Active Spiro Heterocycles', XII Annual Green Chemistry and Engineering Conference, Washington DC, 24-26 June 2008.

DAULAT RAM COLLEGE

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Priyamvada Chugh	B.Sc. (Hons.) Bio-Chemistry	I
Sawti Sharma	B.A. (Hons.) Music	II
Anamika Chatterjee	B.A. (Hons.) Philosophy	II
Sarika Arora	B.A. (Hons.) Hindi	II
Vinny Negi	B.Sc. (Hons.) Bio-Chemistry	II
Phaguni Gupta	B.A. (Hons.) Psychology	III
Saroja Raman	M.A. Music	II
Anshu	M.A. Psychology	II
Sushila .vishwanathan	M.A. Music	III

Library Development

Total Budget	:	Rs.9,62,500+ XIth Plan Grant, Rs.75000
Books added	:	1584 (1433 (from Recurring Grant) +151 (from Development Grant- XIth Plan) & 231 books donated
Journals subscribed	:	53

Appointment of faculty members to higher Posts/Assignments

Dr.S.R. Kulshreshtha: Appointed Vice Chancellor of Shri Jagannath Sanskrit Visvavidyalaya, Puri, Orissa.

Dr. (Mrs.) Anju Jain, Selected Fellow of Institute of Lifelong Learning, Delhi University.

Seminars/Conferences attended

Dr. Kanan Nanda: Participated in the Workshop on 'Global Food Security and Rising Food Prices' at TERI University, New Delhi, 26 May 2008.

Participated in National Conference on 'Awareness and Introduction of ICT in Higher Education', organised by Academic Staff College, Jamia Millia Islamia, 8-10 January 2009.

Participated in India R&D -ICT Innovation, organised by FICCI, 22-23 January 2009.

Participated in International Conference EDGE 2009, organised by Vision Group, at India Habitat Centre, 9-11 February 2009.

Participated in an Interactive Session with National Knowledge Commission 'A Roadmap for Reform', organised by CII at Hotel Taj Palace, 19 March 2009.

Dr. Daya Aggarwal: Participated in National Conference on 'Showcasing on Cutting Edge and Technology by Women-An Initiative National task for Women Science', in Vigyan Bhawan, New Delhi, 8-9 March 2008.

Dr. Nirmal Trikha: Presented a Paper on 'Sharmanyadeshah Sutaram Vibhati: An Appraisal', XLIV Session of the All India Oriental Conference, Kurukshetra, 28-30 July 2008.

Dr. Deepti Bansal: Participated as an observer in a two-day UGC National Seminar on 'Revisiting Sangeet Ratnakara Vis-a-vis Modern Indian Musical.Scenario', organised by the Department of Music, Delhi University, in collaboration: with Sangeet Natak Academy, Delhi.

Dr. Gayatri Prakash: Participated in an International Conference on 'EDGE' 2009 Emerging Directions in Global Education', at India Habitat Centre, New Delhi, 11 September 2008.

Dr. Pooja Jain: Abstract entitled 'Diet Related Risk Factors for Coronary Heart Disease in Urban Males', selected for poster presentation during XLI Annual National Conference of the Indian Dietetic Association, National Institute, Hyderabad, 4-6 December 2008.

Dr. Usha Singh: Participated in National Conference on Sports Management, Hyderabad.

Ms. Majula Rath: Chaired a session entitled 'Motivation of Visually Impaired Women'. General Assembly of World Blind Union and 4th Women's Forum held at Geneva, Switzerland, 16-22 August 2008.

Publications

Kanan, N. and Philips, S. 2008. 'Germplasm Concentration'. In *Advances in Biotechnology*.

Philips, S. and Kanan, N. 2008. *Allium sativum (Linn.) Garlic-The Wonder Food*.

Kulshreshtha, S. 2008. *Erotica India*, Vol. IV, Sixty-Four Arts, Delhi: Eastern Books Linkers.

2008. 'Three Sangitis and the Trio of Sangita' in Abstracts of International Seminar on Sangitis (Buddhist Councils): Perspectives & Prospects, Department of Buddhist Studies, Delhi University.

2008. 'Beautiful Blend of Indian and Southeast Asian Culture in Sriramakriti - Mahakavyam in *Role of Sanskrit in the new Millennium*', Abstract, Deptt. of Sanskrit, Dr. H.S. Gour University, Sagar M.P .

2008. 'Sensual Vices according to smrtisastras' in *Manavajivana aura smrtisastra*, Jodhpur University.

2008. 'Plant Kingdom' in *Vikramorvasiya*, Prof. V.S Tripathi Felicitation Volume.

Kulshreshtha, S. and Kulshreshtha, A. 2008. (ed). *Bliss of Musical Journey*, Delhi: Sanskrit Kala Prakashan.

Trikha, N. 2008. '*Sanskrit Vignayana Dipika*', Delhi: Eastern Linkers.

2009. *Scientific Knowledge in Sanskrit Literature*, Delhi: Eastern Book Linkers.

Bortamuly, M.D. 2008. 'Trends in Literary Criticism: Structuralism' (In Assamese), Ajir Asom, (ed.) Sharma, A. Guwahati: Tribune Press.

Darshan, Sharma, P., Malhootra, P. and Narula, A.K. 2008. 'Synthesis, Characterization- and Thermal Properties of Tris (3- Aminopheny1) Phosphine Oxide- Based Nadimide Resins'. *Journal of Applied Polymer Science*, 107: 1628.

DELHI COLLEGE OF ARTS AND COMMERCE

New Course introduced

Basic Course in Mass Media.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Pallavi Kavya	Bachelor of Journalism	I
Abhishek Tyagi	Bachelor of Journalism	I

Special Grants/Assistances/Projects

Awarded to the College : Rs. 3.88 crore for OBC related infrastructural expansion.

Awarded to individual teachers : Dr. Devika Narula (Associate Professor) Department of English)-UGC Minor Research Grant of Rs. 40.000.

Library Development

Total Budget	:	Rs.6,38,300.00
Books added	:	1,124
Journals subscribed	:	25

New Additions

Mr. K. Suresh Kumar	-	History
Ms. Geetanjali Kala	-	Journalism

Appointment of faculty members to higher Post/Assignment

Dr. J.K. Goel: Appointed Director, Jagan Institute of Management Studies, Rohini, Delhi.

Seminars/Conferences held

Fourth UGC sponsored National Conference on 'Understanding Violence in Contemporary India: Issues and Trends', in the College, 17-19 March 2009.

Seminars/Conferences attended

Dr. M.S. Rawat: Attended Executive Development Programme, Pune and presented paper on 'Best Practices at Association of Indian College Principals', Pune, 12-17 May 2008.

Presented a paper titled 'Launching Knowledge Management Projects in Higher Education', International Conference on Knowledge Management, LangKawi, Malaysia.

Presented a paper titled 'Educationally Qualified not Employable', at the National Conference on Professional Education, organised by Industry Institute Partnership Cell, University School of Management Studies, Guru Govind Singh Indraprastha University, Delhi, 24 July 2008.

Mr. A. Balakrishna: Participated in an International Conference on 'Global Economy and Indian Financial Markets-Opportunities and Challenges', Department of Financial Studies, Delhi University.

Participated in a UGC sponsored National Seminar on 'Global Financial Markets Crisis: Corporate Strategy and Management', Department of Financial Studies, Delhi University.

Participated in a Seminar on 'e-filing', conducted by the Institute of Companies Secretary of India.

Mr. Vasant Sharma and Dr. Anita Bhela: Chaired a session at the IX CLA/Biennial Conference on 'Diverse Harmonies: Literacy & Cultural Confluences', Hyderabad.

Dr. Devika Narula: Presented a paper on 'Depiction of Cultural Dislocation in the works of South Asian Writers', at the International Conference on 'Language & Literature', University of Sindh, Pakistan, 6-9 November 2009.

Presented a paper on 'Commercialisation of Indigenous Art as Depicted in Native Indian Writing', at the International Conference, Khajuraho (M.P.).

Presented a paper at the International Conference on 'Indigenous Art and Economic Development in Canada and India', Khajuraho (M.P.), 25-28 September 2008.

Dr. Amrit Kaur Basra: Participated in an International Seminar as Discussant on Global Peace and Security-Legal Perspective and Human Rights; Canada and India, organised by the Law School, University of Jammu, in Collaboration with the Centre for New Literature, Culture and Communications supported by DFAIT, CHC, SICF, at IIC, 7-8 August 2008.

Dr. O.P. Singh: Attended sessions of the Indian History Congress, Vannur, Kerala, 2008.

Dr. Anil Rai: Attended All India Convention on Language testing organised by Centre for Indian Languages, Mysore & Central Hindi Institute (MHRD).

Dr. Sanjeeb Kumar: Attended an International Seminar on 'Indian Writing in English' organised by IGNOU.

Miss Shalini Saxena: Attended the International Workshop organised by the South Asian Network of Development Economics & Environment, Bangkok, Thailand, 5-22 May 2008 where she presented her paper 'Valuation of Health Damage Costs due to Air Pollution in Developing Countries'.

Ms. Geetanjali Kala: Attended International Seminar on 'Contours of Media Governance: Technology, Institutions, Practice', organised by Jamia Millia Islamia, 2008.

Mr. V.B. Singh: Presented a paper at the Pre International Conference on Mathematics organised by the International Congress on Mathematics in Delhi University, December 2008.

Dr. Mukesh Bagoria: Participated in a Seminar on 'U.S. Elections 2008', as a Discussant, organised by the Centre for Canadian, U.S. & Latin American Studies, School of International Studies, Jawaharlal Nehru University, New Delhi, 29 April 2008.

Mr. Rajesh Kumar: Participated in the Summer School on 'Philosophy for the Social Sciences' organised by the Centre for Political Philosophy at the National Institute of Advanced Studies, Bangalore.

Attended the APISA Professional Capacity Building Workshop, Kuala Lumpur, Malaysia, 14-18 November 2008.

Coordinated an International Workshop which the Developing Countries Research Centre, Delhi University, co-organised with Asia Europe Foundation (ASEF), Singapore and Hanns Seidel Foundation, on 'Improving the Role of the Police in Asia and Europe', Delhi, 3-4 December 2008.

Mr. Ajit Kumar: Invited to attend a Symposium at the New Zealand South Asia Centre, University of Canterbury, Christchurch, New Zealand, 18 March 2009.

Publications

Books

Chauhan, S.P.S. 2009. *Microeconomics Theory & Application (Part-I)*. New Delhi: Prentice Hall of India.

2009. *Microeconomics Theory & Application (Part-II)*. New Delhi: Prentice Hall of India.

2009. *Microeconomics*. New Delhi: Prentice Hall of India.

2009. *Introductory Microeconomics XII C.B.S. E. Board* Ratnasagar, P. Ltd.

Sabharwal, T. 2009. 'Satellite Television-Impact on Social Participation' .

Research Articles

Narula, D. 'The Future of Canadian Studies' *'State, Politics & Economy-India and Canada Perspective*.

DYAL SINGH COLLEGE

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Vansudha	B.Sc.(H) Applied	I
Chakraborty	B.Sc.(H) Zoology	I
Debangana Sen	B.Sc.(H) Zoology	II

Special Grants/Assistance/Projects

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Study of interactions of amino acids with carbohydrates/drugs in aqueous media by using physicochemical, thermodynamic and acoustic method'.	Dr. Anil Nain	CSIR
Problem of Disability and their Representation in Government services in five Districts (Arrah, Samastipur, Bhagalpur, Katina & Moynger of Bihar : with a special Reference to 1995 Act.	Dr. Sudhir Singh	ICSCR
'Household and it's Labouring Women; Valuing and Measuring Domestic Labour in India'.	Dr. Savita Singh	UGC

Library Development

Total Budget	:	Rs.3,97,500.00
Books added	:	1,165
Journals subscribed	:	55

Appointment of faculty members to higher Post/Assignment

Dr. Savita Singh: Appointed Professor and Director of Gender Studies in IGNOU.

Seminar/Conferences held

National Seminar on 'Chemistry Education and Research in 21st century'.

UGC sponsored National level Seminar on the topics Samkali Punjabi Sahit', 'Ajoka Punjabi Sahit: Sidhant Ate Samikhya'.

Seminars/Conferences attended

Dr. P.V. Arya: Attended and presented two papers in International Conference on 'Technologies for Mitigation of Environmental Pollution and their Application in Conservation of Aquatic Ecosystems', at Aurangabad.

Dr. Navina Mehan: Presented a paper at the International Conference of Photonics 2008 at IIT, Delhi.

Dr. Anil Kumar Nain: Presented two research papers in the International Conference on 'Technologies for Mitigation of Environmental Pollution and their Applications in Conservation of Aquatic Ecosystem'.

Dr. Mridula Rajbanshi: Attended the National Symposium on 'Recent advances in Immunology'.

Dr. Ranjana Saxena: Attended National Conference on Applied Entomology: Impact on global warming on the incidence and management of insect pests in agriculture at Udaipur and won IInd prize in the Poster presentation.

Mr. Neeraj Saxena: Delivered a talk on 'Web service' in the National Conference on emerging Trends in Computer Science and Information Technology at Al-Falah School of Engineering and Technology, Faridabad.

Publications

Ahuja, R. and Goel, A. 'A study of the Ongoing Research and Industrial Adoption of AOSD', at the International Conference on Advanced Computing Technologies, Hyderabad, 26-27 December 2008.

Goel, A., Gupta, S.C. and Singh, D. 2009. 'dgridOS: An approach to Grid enabled Operating System', The IEEE International Conference on Emerging Trends in Computing, ICETiC 2009, Virudhunagar, Tamilnadu, 8-10 January 2009.

Goel, A., Gupta, S.C. and Wasan, S.K. 2008. 'COTT-A Testability Framework For Object-Oriented Software Testing', *International Journal of Computer Science*, World Academy of Science, Engineering and Technology. 3(1): 44-51.

Kumar, V., Kumar, A. and Tyagi, U. 2008. 'Application of Unicode standard in Libraries: A study of Dyal Singh College Library', National Conference on Recent Technological Trends in Management and Library system: Issues and Challenges,, Asia-Pacific Institute of Management, New Delhi.

Nain, A.K. 2008. 'Molecular interactions in binary mixtures of formamide with 1- butanol, 2-butanol, 1,3- butanediol and 1,4- butanediol at different temperatures; An ultrasonic and viscometric study'. *Fluid Phase Equilib.* 265: 46-56.

'Refractive indices of binary mixtures of tetrahydrofuran waromatic hydrocarbon at temperatures from 288.15 to 318.15 k'. *J.Chem.Data*, 53: 850-3.

2008. 'Ultrasonic and visometric studies of molecular interactions in binary mixtures of formamide with ethanol, 1- propanol, 1,2 ethanediol and 1,2- propanediol at different temperatures'. *J. Mol. Liq.* 140: 108-16.

2008. 'Refractive indices and deviations in refractive indices for binary mixtures of formamide with 1- butane, 2-butanol, 1,3 butanediol, and 1,4 butanediol at temperature from 293.15 to 318,15 k'. *J.Chem. Eng. Data*, 53: 1208-10.

2008. 'Inversion of the Kirkwood–Buf theory of solutions: Application to tetrahydrofuran + aromatic hydrocarbon binary systems', *J. Solution Chem.* 37: 1541-59.

Nain, A.K., Chandra, P., Pandey, J.D. and Gopal, S. 2008. 'Densities, refractive indices and excess properties of binary mixtures of 1,4-dioxane with benzene, toluene, o-xylene, m-xylene, p-xylene, and mesitylene at temperatures from 288.15 to 318,15 k', *J.Chem. Eng. Data*, 53: 2654-65.

Singh, R. 2009. *Samkali Punjabi Natak De Sarokar* (Literary criticism), (1st edn), Ludhaina, Punjab: Chetna Prakashan.

2008. *Chor Machaye Shor* (Translated), 1st edition, New Delhi NBT.

2008. *Koi Shikwa Dramyan Na Ho* (Hindi poetry), Hindi Academy, 1st edition, Chandigarh. Uni Star.

2008. *Apnea Ander*, (Punjabi poetry), 1st edition, Ludhiana, Punjab: Chetna Prakashan.

Saxena, N. and Goel, A. 2008. 'Using web services for Distributed computing', *INDIACOM*, pp.263-8.

Sehgal, S. and Tripathi, N. 2009. 'Investment Strategies of FIIS in the Indian Equity Market', *Vision-The Journal of Business Perspective*, 13(1): 11-18.

Tripathi, N. 2008. 'Foreign Institutional Investment- Flows in Indian companies', *Asia Pacific Business Review*, IV(I): 27-33.

DYAL SINGH COLLEGE (EVENING)

Honours/Distinctions

Dr. Hemant Kumar Mishra and Dr. (Mrs.) Alka Tyagi: Awarded Ph.D. by JNU, New Delhi.

Library Development

Total Budget : Rs.5,00,000
Books added : 1,290

Seminars/Conferences held

The Department of Urdu organised a one-day Seminar on 'Urdu Media: Role and Responsibilities'.

The Department of Punjabi organised a one-day Seminar on 'Problematics in Punjabi Text Books'.

A workshop on 'Basics of Communication Skills' was jointly organised by the 'Forum for International and National Awareness' and the Centre for Democracy and Development Research.

Seminars/Conferences attended

Dr. Mani Bbusban: Lecture on 'Research Methodology' at T.N., Bhagalpur University, Bhagalpur in April 2008.

Lecture on 'Concept of Equality' at EDUSAT (CEC, UGC), November 2008.

Lecture on 'Dimensions of Equality' at EDUSAT (CEC, UGC), November 2008.

Two Lectures on 'Gandhism' at EDUSAT (CEC, UGC), March 2009.

Presented a paper at a Seminar on 'Democracy & Decentralisation', organised by the Foundation of Creative Social Research at JNU. January 2009.

Dr. Sushma Bareja: Presented a paper on 'Impact of Middle Class on Indian Retail Industry', Shyam Lal Evening College, February 2009.

Presented a paper on 'Limited Partnership Act', Seminar at Dyal Singh College, March 2009.

Dr. (Mrs.) Alka Tyagi: 'Women Bhakti Poets' at a National Conference on Gender, Politics and Literature, Daulat Ram College, Delhi University, 2008.

Jnanendra Narayan Singh: National Workshop on 'Digitization and Digital Library using D-space', Delhi University, 3-6 December 2008.

Dr. N.M. Narayanan: Participated as a coordinator in the Seminar on 'Kerala Vedic Tradition', Trichur, organised by Indira Gandhi National Centre for Arts, New Delhi, 12-14 November 2008.

Participated as a coordinator in the Seminar on 'Regional Versions of Puranas', Indira Gandhi National Centre for Arts, New Delhi, March 2009.

Dr. (Mrs.) Abha Singh: Presented paper at National Seminar on 'National Consciousness in Nayantara Sehgal', Kamala Nehru College, Delhi University.

Gender Cross Dressing in Shakespeare's Twelfth Night presented at a National Seminar organised by the Shakespeare Society of India, Delhi University.

Ms. Madhuri Chawla: Presented the English translation 'Murder' of the Punjabi short story 'Katal' by Jinder, at a workshop organised by the Sahitya Akademi at Shimla, 13-15 September 2008.

Presented the English translation 'The Self Within' of the Punjabi short story Andarli Aurat' by Talwinder Singh at a workshop organised by the Sahitya Akademi at Shimla, 13-15 September 2008.

Ms. Rekha Kumari: Participated in the First Global Summit on Sustainable Development, Raipur, Chhattisgarh, 7-9 February 2009.

Participated UGC sponsored National Seminar on 'Recent Research in Physical Education and Sports', organised by the Maharaja Agrasen College, New Delhi, 5-6 November 2008.

Publications

Jagdeesan, U. 2008, *Pancha Sabai Thiruth Thalangal*. Chennai: Manivasaghar Padhippagham.

2008. *Pancha Bootha Linga Thala Puranam*. Chennai: Prema Pirasuram.

Dua, J.C. 2009. (ed.) *Manners, Customs And Dress During The Middle Ages And Renaissance Period*, New Delhi: Kaveri books.

2009. (Co-eds.)- *Collected works of Prof. B.R. Grover Vol. IV -Land And Taxation System During The Mughal Age*. Delhi: Originals.

Singh, S.K. (Co-Author) 2008. *Management Accounting*, Delhi: Pinacle.

Sharma, P. 2008. Master te Jagto (Himachali Paharhi Kavita Sangra) 2009, Guru Nanak Dev Ki Dharm Sadhna.

Articles

Dua, J.E. 2009. Invited to deliver key note address on -Guru Granth Sahib as Source of Social and Economic History of Medieval India held at GND Khalsa College, Delhi University.

2009. Water Management In South India During 19th Century - A Case Study, *Centre for Social and Management Solutions Research Journal*.

Jagdeesan, U. 2008. Tamil Puththaandin Perumai ' , *Kaamakodi*.

2008. 'Poyyadimai Illaadha Pulavar', *Tamilar Thiruneri*.

2008. 'Paramborul Magimai', *Tamilar Thiruneri*.

2008. 'Kalladam' Tamilar Thiruneri.

Thapar, P.R. 2008. *'Sikh Itihas'*, Sachhe Paadshah, Delhi.

2008. *'Teri Badiai'* Sachhe Paadshah, Delhi.

Biswas, B. Two Poems by Gautam Aali translated from Bangla, to English JSL, Autumn 2008 pp.120-6.

Puri, S. 2008. 'The Personal and the Political in Margaret Atwood's Poetry', in *New Dimensions in Canadian Studies*. (eds.) by Stewart Gill and R.K. Dhawan: New Delhi. Prestige.

Prepared a Question Bank for one unit of Paper VIII, for ILL, Delhi University.

Chawla, M. Prepared a Question Bank for one unit of Paper VIII, for ILL, Delhi University.

2008. Translated Short Story 'Quota Wallah' by Mohan Lal Philoria from Punjabi to English *The Little Magazine*.

2008. Translated Short Story 'Punj Bhaina' by Amrita Pritam from Punjabi to English as 'Five Sisters', *Journal of Literature and Aesthetics Vol. 2*.

Chand, P. Five chapters for study material on 'Environment' for B.A. (Prog.) 2nd year Course on Human Rights, Gender and Environment, School of Open Learning, Delhi University.

C.S. Pant, Editor and Contributor, Centre for Social Management Solutions, Research Journals, New Delhi.

DESHBANDHU COLLEGE

Seminars/Conferences held

National Seminar on 'Recent advance in Immunology', organised by the Biochemistry Department, 30 January 2009.

Seminars/Conferences attended

Dr. Kamal Kumar Gupta: Participated in XXIII International Congress of Entomology, Durban, South Africa, 6-12 July 2008.

Dr. Gauri Datta: Presented a paper 'Viability of Passive and Active Solar Dryers in India, VI International Conference on Renewable Energy, San Francisco, USA, 10-16 July 2008.

Presented a paper 'Solar Shading devices for cooling building in hot, tropical climate', International Conference, SOLPOL 2008, Renewable energy, Innovative technology, 22-26 September 2008.

Unni P. Krishnan: Presented a paper 'Retrieval and Recovery: An Examination of Oral Narrative in the Novels of K.J. Baby', International Conference on Archives, organised by MS University of Baroda and ACUA in Vadodara, 4-7 February 2009.

Presented a paper 'Cultural Globalisation and Literatures', Annual Seminar, Kashmir University, August 2008.

Mrs. Harindri Chaudhry: Participated in International Conference on 'Pre-ICM, International Conference on Mathematics Sciences', organised by the Department of Mathematics, Delhi University, 18-20 December 2008.

Dr. Subhasini Barik: Participated in International Conference on Terrorism, Rule of Law and Human Right, 13-14 December 2008.

Participated in International Conference on Phenomenology, Globalisation and Indian Philosophy, IIC, New Delhi, 6-9 January 2009.

Presented a paper 'Can Science and Spirituality be reconciled', Indian Philosophical Congress, Ahmedabad, 22-25 October 2008.

Publications

Pant, G.C. 2008. (ed. and tran.) '*Adhunik Sanskrit Sahitya*', Delhi: Vidyanidhi Prakashan.

Dewan, P.G. Jointly prepared course material for a paper for a post-graduate diploma in publishing to be offered by IGNOU.

DESHBANDHU COLLEGE (EVENING)

Library Development

Total Budget	:	Rs.2,60,000.00
Books added	:	674
Journals subscribed	:	22

New Additions

Dr. Kanwal Jeet Singh	Mr. Nagender Pal
Ms. Suchi Patti	Mr. H. Lamminlun Neihisial
Mr. Mohinder Paul	

Seminar held

A National Seminar on 'The Changing Face of Higher Education in India', organised by the college at Assocham House, Prithviraj Road, New Delhi, 4 March 2009.

Seminars/Conferences attended

Dr. S. P. Aggarwal: Participated in the Management Development Programme on 'Excellence in Higher Education', at IIM Calcutta.

Dr. Madhu Batta: Presented a paper on Shashi Deshpande 'That Long Silence: From Self Awareness to Self-Realization', in a National Seminar on 'Post-Independence Indian Literature', organised by the VPM's Joshi Bedekar College, Thane.

Dr. Hem Lata: Presented a paper on 'Difficulties faced by Marginalised Social Groups in Higher Education, in the National Seminar on 'The Changing Face of Higher Education', organized by the college.

Publications

Books

Gautam, B.S. *Cooperatives and Rural Development in India*. Delhi: Radha Publication.

Kumar, A. and Gautam, S.S. (eds.). 2008. *Jathi Aakhir Kyon Nahi Jati*, Delhi: Gautam Book Centre.

Article

Aggarwal, S.P., 2009. 'Mobile Banking, Money Banking'.

DURGABAI DESHMUKH COLLEGE OF SPECIAL EDUCATION (VISUAL IMPAIRMENT)

Library Development

Total Budget	:	Rs.70,000
Books added	:	659
Journals subscribed	:	2

Honour/Distinction

Dr. Swati Sanyal: Received a full Erasmus Mundus Scholarship from the European Commission for three months to visit Europe as academic visitor to the Special Education Needs Consortium.

Seminar attended

Mr. S.K. Dubey: Paper presented on 'Role of Teachers in Realising Inclusion' at National Seminar on Emerging Issues in Disability Studies in India, at IGNOU, New Delhi, in March 2009.

GARGI COLLEGE

Major Activities

During the year, the College was chosen by the Department of Bioinformatics of the Ministry of Science and Technology for award a grant setting up a Bioinformatics Laboratory.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Shweta Bhardwaj	B.A. (Pass)	I
Shivani Kapur	B.A. (Hons.) Applied Psychology	I
Manpreet Kaur	B.Sc. (Hons.) Microbiology	I
Pooja Ghosh	B.Sc. (Hons.) Botany	I

Library Development

Total budget	:	Rs.1,70,000
Books added	:	1,570
Journals subscribed	:	70

New Additions

Ms. Pooja Gupta	-	Mathematics	Dr. Priyanka Kapoor	-	Botany
Ms. Chitra Rajora	-	Commerce	Ms. Anita	-	Physics
Dr. Hira Joshi	-	Physics	Dr. Leisan Judith	-	Botany

Honours/Distinctions

Dr. Shweta Vandana: Won the first prize in Young Scientist Presentation at Indian Agriculture Research Institute.

Dr. Sonali Ahuja Dua: Awarded Ph.D. degree.

Dr. Pooja Gulati: Awarded Ph.D. degree.

Seminar held

National Seminar on 'Rights for Human Dignity'.

Seminars/Conferences attended

Dr. Promila Kumar, Mrs. Arshmeet Kaur, Mrs. Bhawna Kapoor and Ms. Pooja Gupta: Attended International Conference on Mathematical Science, Delhi University.

Publications

Kumar, S. Co-author *fitness, Aerobics and Gym. Operations.*

Chawla, S. A chapter on carbon and Nitrogen metabolism.

Communications to Seminar.

Kapoor, P. 'Micro propagation, the practical way for mass scale production and Conservation of Green Gold, International Conference.

Bhanumati, S. 'Green Gates to Solid waste management in a Chemistry Lab'. XII Annual Green Chemistry and Engineering Conference, Washington DC.

Majumdar, A. Presented a paper 'Socio-economic Implications of International Movements of Human Resource', National Conference.

Presented a paper on 'Rasa' An Indicator of unique sensibility, National Conference.

Mohan, A. Presented a paper on 'Environment vs Religion National Seminar.

HANS RAJ COLLEGE

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Nidhi Garg	M.Sc. Zoology	I
Pragya Singh	B.A. (Hons.) Economics	I
Jyoti Bhardwaj	B.A. (Hons.) Hindi	I
Anusha Mishra	B.A. (Hons.) Mathematics	I
Anuradha Bansal	B.Sc. (Hons.) Botany	I
Sumitra Kumari	B.Sc. (Hons.) Geology	I
Prerna Bhasin	B.Sc. (Hons.) Anthropology	I
Teena Kohli	M.A. Mathematics	I
Sunita Yadav	M.Sc. Botany	I
Neha Aggarwal	M.Sc. Geology	I
Anurag Srivastava	B.A. (Hons.) History	II
Himanshu Kushwah	B.Sc. (Hons.) Electronics	II
Deepak Joshi	B.Sc. (Hons.) Geology	II
Anuj Kumar	B.Sc. (Hons.) Zoology	II
Chitra	B.Sc. (Hons.) Anthropology	II
Meghna Gupta	B.Sc. (Prog.) Life Science	II
Priya	M.A. Hindi	II
Meenal Dhall	M.Sc. Anthropology	II
Gurjeet Kaur	M.Sc. Operational Research	II
Meghna Nag	B.A. (Hons.) Mathematics	III
Vidhi Bansal	B.Sc. (Hons.) Electronics	III
Shashi Kumar Roy	B.Sc. (Hons.) Geology	III
Ravindra Kumar Kaushal	B.Sc. (Hons.) Anthropology	III
Anup Goel	B.Sc. (Prog.) Life Science	III
Ruchi Kalra	M.Sc. Operational Research	III

Library Development

Total Budget	:	Rs.10,86,750
Books added	:	2758
Journals subscribed	:	100

New Additions

Mr. Rajesh Kumar	-	Hindi
Mr. Avnish Kumar	-	Sanskrit
Mr. Justin Mathew	-	History

HINDU COLLEGE

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Bhawana Sharma	B.A. (Hons.) Pol. Science	I
Santana Khanikar Sonika Batra	M.A. Political Science	I
Mansi Saxena	B.Sc. (Hons.) Chemistry	I
Amnica Anand	Masc. Physics	I
Jwala Prasad Anupam Shukla	B.Sc. (Hons.) Botany	II
Deeksha Sharma	B.Sc. (Hons.) Physics	II
Kunal Kapoor Anusha	B.A. (Hons.) Sanskrit	II
Varuna Malhotra	M.A. Mathematics	II
Surchi Kaushik	M.Sc. Physics	II
Sarvadhanand Barnwal	M.Sc. Statistics	II
Bhanu Manchanda	B.Sc. (Hons.) Botany	III
Mithlesh Kumar Jha	M.A. Political Science	III
Manvi Grover	M.A. Philosophy	III
Gayan Prakash	M.A. Hindi	III
Jyoti Kapil	M.Sc. Physics	III
Upala Saha	M.Sc. Botany	III
Poushali Chatterjee	M.Sc. Statistics	III

Library Development.

Total Budget	:	Rs.5,97,250
Regular grant	:	Rs. 5,49,250
Books added	:	1,067
Journal subscribed to	:	60

New Additions

Shri Ahmad Hasan	-	History
Shri Ramesh Kr. Meena	-	Physics
Dr. Sanjay Chauhan	-	Physics
Dr. Neera Sharma	-	Chemistry
Shri Sumit Nandan	-	Philosophy

Shri Pramod Kumar	-	Mathematics
Dr. Neetu	-	Zoology
Shri Parth Pratim Shil	-	Political Science

Appointment of faculty members to higher Posts/Assignments

Dr. Kavita Sharma: Appointed Director, IIC.

Dr. Shashi Kiran: Appointed Professor in the Department of Bio-logical Sciences, Windsor University, Canada.

Dr. Nandita Pd. Sahai: Appointed Professor Jawahar Lal Nehru University.

Dr. Amita Batra: Appointed Professor Jawahar Lal Nehru University.

Seminars/Conferences attended

Dr. P.K. Sinha: Attended International Congress on Bio-immunoregulatory' mechanisms associated with reproductive organs: Relevance in Fertility and in Sexually Transmitted Infections, 9-13 February 2009.

Dr. Anupam Varshney Sharma: Participated in the Supported Blended Learning Workshop organized under the UKIERI Programme in the Institute of Life Long Learning (ILL) Delhi University, 5-7 November 2008.

Dr. Anju Srivastava: Presented a Paper titled 'Surface Modified Silica Supported Zinc Salicylaldimine Complex for Use as Catalyst in Transesterification: A Green Chemistry Approach' at the 12th Annual Green Chemistry and Engineering Conference in Washington, 24-26 June 2008.

Presented a paper on 'Green Chemistry Education Initiatives', in National Conference on Revolutions in Chemistry: Green Chemistry, organised by Institute of Technology and Management, Gurgaon, 19 December 2008.

Dr. Reena Jain and Dr. Sharma Anupam Varshney: Participated in an e-Learning training workshop organised in collaboration with Open University, UK, under the UKIERI programme and Campus of Open Learning Delhi University from 3-5 November, 2008.

Dr. Reena Jain: Presented a paper titled 'Greener Approaches for the Laboratory', National Conference on Revolutions in Chemistry: Green Chemistry, organised by Institute of Technology and Management, Gurgaon, 19 December 2008.

Publications

Lovleen, G.S. Management Accounting Theory and Practice for B.Com. (Hons.) IIIrd year, Auditing for B.Com. (Hons.) IIInd Year and Auditing for B.Com. **Harish, N.** 'Nirala ki Gali'.

Gupta D.N. *Communism and Nationalism in Colonial India, 1939-45*, Vol. XIII Sage Series in Modern Indian History.

Kavita, S. 2008. *Internationalization of Higher Education: An Aspect of India's Foreign Relations Birds, Beasts, Men and Nature.*

Antony, D.M. 'Walking on Nothing But Air: Hermeneutic Contours of the Religious Turn in Wittgenstein', *Perspectives on Wittgenstein's Unsayable.*

Kapoor, S. 'Decision, Trading Strategies and Investment Behavior of FIIs in Indian Stock Markets'.

Goswami, D. Transient Bimodality and Cusp Catastrophe in innovation diffusion *IEEE Transactions on System, Man and Cybernetics.*

Srivastava, A. and Jain, R. 'ISC Practical Chemistry - Class XI, ISC Practical Chemistry- Class XII, *Understanding ISC Chemistry- Class XII*, New Delhi: Arya Publishers.

2008. 'Green Chemistry for a Sustainable Future' and 'Greening across the Curriculum- Preparing Future Scientists' in Chemistry Digest.

Jain, R. 2008. 'Educating Future Scientists for Green Practices', Chemistry Digest.

INSTITUTE OF HUMAN BEHAVIOUR & ALLIED SCIENCES

Library Development

Total Budget	:	Rs.50 Lakh
Books added	:	425
Journals subscribed	:	137

New Additions

Dr. Krishna Vaddiparti	-	Social Work	Dr. Saurabh Mehrotra	-	Psychiatry
Dr. Arvind Arya	-	Neuroanesthesia	Dr. Renu Goyal	-	Microbiology
Dr. Naveen Grover	-	Clinical Psychology	Dr. Naveen Kumar	-	Pharmacology
Dr. Hardeep Singh Malhotra	-	Neurology	Dr. Ishita Pant	-	Pathology

Honours/Distinctions

Dr. Sunil Pradhan: Awarded Bharat Excellence Award by Friendship Forum of India in 2008.

Dr. Tej Bahadur Singh: Elected President of Indian Association of Clinical Psychologists.

Dr. Vibhor Pardasani: Awarded the ML Soni award for the Best Neurology Resident at the All India Institute of Medical Sciences, New Delhi, 7 January 2009.

Awarded the 2nd Prize for the Best Poster (Medical) at ECON 2009, the 10th Annual Conference of the Indian Epilepsy Society and the Indian Epilepsy Association at SVIMS, Tirupati, Andhra Pradesh, 7-8 February 2009.

Seminars/Conferences attended

Dr. S.N. Sengupta: Presented scientific paper at the International Conference on Violence and Mental Health, Germany, 2008.

Dr. Uday Sinha: Coordinated a symposium on 'Psychotherapy with Adolescents', V World Congress of Psychotherapy at Beijing, China, October 2008, and presented a paper titled 'Therapeutic use of stories with emotionally disturbed adolescents: A process analysis'.

Dr. Nimesh G. Desai: Attended a Scientific Symposium on 'Climate Change: Emerging Public Health Challenges' on the occasion of the 45th Foundation Day Celebration at National Institute of Communicable Diseases, Delhi, 30 July 2008.

Attended a National Convention on 'Right to Education and Abolition of Child Labour – 'Freedom & Dignity for All Children', organised by the National Commission for Protection on Child Right (NCPCR), Vigyan Bhawan, New Delhi, 11-12 December 2008.

Attended 2nd Indo-US Summit focused on Health, Mental Health is one of the important part of it, at Delhi, 3-4 January 2009.

Attended Dissemination Seminar on Youth in India: Situation and Needs in Maharashtra State on 27 February 2009.

Conducted a Symposium on 'Women and health with focus on mental health', at International Congress of Women, Delhi, March 2009.

Dr. Deepak Kumar: Participated in the LXI Annual National Conference of Indian Psychiatric Society (ANCIPS-2009) at IMH, Agra, 8-11 January 2009.

Dr. Rupali Shivalkar: Presented 'Drug abuse profile of homeless patients in an outreach clinic in Delhi, India: Implications for public health interventions', at NIDA Forum 2008; co-authored with Dr. D.K. Gupta, Dr. N.G. Desai, Paramjeet Kaur and Anupama Kumari.

Presented 'Domestic violence: An overview', Presentation at CME on Family mental health; Co authored with Dr. S.R. Parkar at INHS Ashvini, Mumbai, 9 August 2008.

Presented 'Domestic violence Act and Mental Health' at National Mid Term CME on Psychiatry and the Law: Indian Scenario, Indian Psychiatry Society, Chennai, August 2008, Co-authored with Dr. S.R. Parkar.

Presented 'Stress and Women' at a symposium on Women and Health at International Congress of Women, 2009.

'Drug Abuse Profile of Homeless Patients in an Outreach Clinic In Delhi – Implications For Health Services for the Homeless', Poster presentation Annual National Conference of Indian Psychiatry Society at Agra, January 2009.

Dr. Vijender Singh: Presented 'Sociodemographic and Clinical Profile of Patients with Attempted Suicide Attending Emergency Services in a Teaching Psychiatric Hospital', at LXI Annual National Conference of Indian Psychiatric Society, Agra, 2009.

Presented 'G6PD Deficiency Affecting Psychiatric Illness: A Case Report', presented at LXI Annual National Conference of Indian Psychiatric Society, Agra, 2009.

Dr. Kiran Bala: Chaired a session in II Asian and Oceanian Parkinson's Disease and Movement Disorders Congress at All India Institute of Medical Sciences, New Delhi, 15-17 February 2009.

Chaired a session in the Fourth National Congress of Indian Stroke Association, Hyderabad, 14-15 March 2009.

Dr. Suman Kushwaha: Attended ECON 2009, X Joint Annual Conference of Indian Epilepsy Association and Indian Epilepsy Society, Tirupati, 7-8 February 2009.

Dr. Vibhor Pardasani: Attended Asian Oceanian Congress of Neurology (AOCN 2008) and XVI Annual Conference of the Indian Academy of Neurology (IANCON 2008), New Delhi, 22-26 October 2008.

Attended European Neurological Society Symposium, Mumbai, 24-25 January 2009.

Attended ECON 2009, the X Annual Conference of the Indian Epilepsy Society and the Indian Epilepsy Association at SVIMS, Tirupati, 7-8 February 2009.

Attended 2nd Asian Oceanian Parkinson's Disease and Movement Disorders Congress AOPMC, New Delhi, 15-17 February 2009.

Attended International Workshop on Nerve Muscle Disorders, G.B. Pant Hospital, Maulana Azad Medical College, New Delhi, 20-22 February 2009.

Dr. Hardeep Singh Malhotra: Attended Asian Oceanian Congress of Neurology (AOCN 2008) & 16th Annual Conference of the Indian Academy of Neurology (IANCON 2008), New Delhi, 22-26 October 2008.

Attended European Neurological Society Symposium, Mumbai, 24-25 January 2009.

Attended XI Annual Conference of Delhi Neurological Association, AIIMS, New Delhi, 7-8 February 2009.

Attended 2nd Asian Oceanian Parkinson's Disease and Movement Disorders Congress, New Delhi, 15-17 February 2009.

Attended International Workshop on Nerve Muscle Disorders, G.B. Pant Hospital, Maulana Azad Medical College, New Delhi, 20-22 February 2009.

Dr. V.K.S. Gautam: Attended XI Annual Conference of Delhi Neurological Association at AIIMS, New Delhi, 7-8 February, 2009.

Attended Neuro-Oncology CME on Brain Tumours at Vidyasagar Institute of Mental Health & Neurosciences Conference, New Delhi, 26 October 2008.

Attended X Annual Conference of Skull Base Surgery Society of India & International Skull Base CME & Skull Base Cadaver Workshop at KEM Hospital, Mumbai, 9-12 October 2008.

Dr. Deepak Kumar Jha: Attended 17th National Neurotrauma Conference, Bhubneswar, Orissa.

Attended XIth Annual Conference of Delhi Neurological Association at AIIMS, New Delhi, 7-8 February 2009.

Attended Inaugural National Conference (NOISCON 09), Delhi.

Dr. Tej Bahadur Singh: Resource person at 16th National Conference of Indian Association for Social Psychiatry, at AIIMS, New Delhi, November 2008.

'Psychological Correlates of Tension type headache', co-author in poster presented at 16th National Conference of Indian Association for Social Psychiatry, AIIMS, New Delhi, November 2008.

Resource Person in XXXV National Annual Conference of Indian Association of Clinical Psychologists, at Secunderabad, January 2009.

Dr. Uday Sinha: Conducted a Symposium on Childhood Sex Abuse: Psychological & Mental Health Perspective, in XXXVII Indian Social Science Congress, Jamia Millia Islamia, Delhi, December 2008.

Participated in the National Seminar organised by Gorakhpur University on 'Social Psychology in India: Potential and Perspective' as resource person and delivered speech on 'Social Psychology and Mental Health: A perspective', on 21-23 March 2009.

Participated in the National Conference organised by Government College, Chandigarh 'Wellbeing in the Workplace: Search for synergy', as a resource person and panelist as delivered lecture on 'Mental Health at Workplace', 25 March 2009.

Dr. Vibha Sharma: Delivered a lecture on 'Psychological Risk Assessment for Alcoholism', in Workshop on Risk Assessment at DIPR, New Delhi, 17 September 2008.

'Psychological Correlates of Tension Type Headache', co-author in poster presented at XVI National Conference of Indian Association for Social Psychiatry, AIIMS, New Delhi, November 2008.

Resource Person in XXXV National Annual Conference of Indian Association of Clinical Psychologists, at Secunderabad, January 2009.

'Spiritual Counselling for the Disabled and their Parents: An Answer to Why Me?', Presented paper at XXXV National Annual Conference of Indian Association of Clinical Psychologists, at Secunderabad, January 2009.

Resource person in National Seminar on Mental Health, organised by Gurukul Kangri University, Harwar, 15-16 March 2009.

Dr. Mukul K. Jain: Attended Annual Conference of ISA- Delhi Chapter, 2008, at New Delhi, 5-6 April 2008. (Dr Mukul K Jain).

Attended VII Annual Conference of ISCCM2008 at New Delhi, 6-7 September 2008.

Attended X Annual Conference of the Indian Society of Neuroanaesthesiology & Critical Care at Trivendrum, 29 January – 1 February 2009.

Dr. Sangeeta Sharma: Attended National Workshop for 'Selection of essential medicines for common mental disorders', at IHBAS, Delhi, 19 February 2009.

Dr. Sujata Chaturvedi and Dr. Ishita Pant: Attended and presented paper at the XIth Annual Conference of Delhi Neurological Association, DNACON 2009, AIIMS, New Delhi, 7-8 February 2009.

Participated in the XXIII Annual Conference, IAPM, Delhi Chapter, RML Hospital, New Delhi, 5 April 2008.

Dr. Anshu Gupta: Attended the XIV International CME in Surgical Pathology, Cytology & Hematology, Agra, 3-5 February 2009.

Attended the International CME in Lung Pathology at VP Chest Institute, Delhi, 4-5 December 2008.

Dr. Rajeev Thakur: Attended Quarterly and Annual Conference of Delhi Chapter of Indian Association of Medical Microbiologists, 2008-09.

Dr. Neelam Chhillar: Attended 3rd Diabetes India International Conference, Bangalore, 5-7 December 2008.

Attended XVI Annual National Conference of Association of Medical Biochemists of India, Chandigarh, 13- 16 November 2008.

Dr. Rachna Agarwal: ECON 2009, 10th Joint Annual Conference of Indian Epilepsy Association and Indian Epilepsy Society, Tirupati, 7- 8 February 2009.

Dr. Jahanara M. Gajendragad: Attended the Richmond Fellowship Asia-Pacific Forum Conference on 'Psychosocial rehabilitation across cultures', at NIMHANS, Bangalore, 20-22 November 2008.

Dr. Rima Kumari: Attended Annual Conference of the Indian Society of Neuroradiology (ISNR) held in SGPGI Lucknow, November 2008.

Dr. Ravinder Singh: Attended National Seminar on 'Population and Development: Issues and Challenges in Punjab', Chandigarh, 3-5 March 2009 and read a paper 'Culture of Missing: Anthropological insight in Culture, Medical Technologies and Medicine and submitted a full length paper authored by Ravinder Singh, D.C. Jain and Vibha Sharma.

Publications

Kumar, D., Saraswat, T., Sengupta, S.N. and Mehrotra, S. 2009. 'Upper gastrointestinal bleeding in a patient with depression receiving selective serotonin reuptake inhibitor therapy'. *Indian J. Pharmacol.*; 41: 51-3.

Singh, V., Gupta, D.K., Srivastava, A., Sengupta, S., Desai, N.G. 2009. 'Sociodemographic and Clinical Profile of Patients with Attempted Suicide Attending Emergency Services In A Teaching Psychiatric Hospital'. Abstracted in *Indian Journal of Psychiatry*, 51, Suppl. S128.

Kishore, N., Singh, V., Lal, R. and Sagar, R. 2009. 'Recurrent Depressive Disorder with or without History of Hypomania: Are They Really Different?' Abstracted in *Indian Journal of Psychiatry*, 51, Suppl. S129.

Yannawar, P., Desai, N.G., Singh, R., Kumar, R., Singh, V., Nautiyal, S., Gupta, D.K. and Sengupta, S. 2009. 'Mental Health Morbidity, Mental Health needs and coping patterns among the HIV positive IDU In Manipur'. Abstracted in *Indian Journal of Psychiatry*, 51, Suppl. S150.

Kumar, R., Desai, N.G., Singh, R., Yannawar, P., Singh, V., Nautiyal, S., Gupta, D.K. and Sengupta, S. 2009. 'Identification and perception of risk behaviours among HIV positive IDUs in Manipur'. Abstracted in *Indian Journal of Psychiatry*, 51, Suppl. S150.

Gupta, D., Desai, N.G., Shah, B., Samani, M., Chauhan, A., Tilwani, M., Gajendragad, J., Sinha, U.K., Singh, V. and Pandey, S. 2009. 'Mental health delivery models used in earthquake affected population in Gujarat, India'. Abstracted in *Indian Journal of Psychiatry*, 51, Suppl. S151.

Singh, V., Kishore, N., Sengupta, S. and Kumar, D. 2009. 'G6PD Deficiency Affecting Psychiatric Illness: A Case Report'. Abstracted in *Indian Journal of Psychiatry*, 51, Suppl. S152.

Kishore, N., Singh, V., Sengupta, S. and Kumar, D. 2009. 'A Case of ICSOL Presenting as Depression'. Abstracted in *Indian Journal of Psychiatry*, 51, Suppl. S152.

Desai, N.G., Nambi, S., Shah, B., Singh, R., Kumar, A., Jahanara, M.G., Venkateshan, J., Singh, V. and Gupta, D.K. 2008. 'Tsunami and Mental Health: A Report on Pilot Study of Mental Health Needs Assessment and Service Delivery Models in Tsunami Affected Population of Coastal Tamil Nadu', submitted by IHBAS, Delhi to ICMR Delhi.

Pradhan, S. 2008. 'Diamond on quadriceps sign in dysferlinopathy'. *Neurology*, 70: 322.

Prasad, A., Gupta, R.K., Pradhan, S., Tripathi, M., Pandey, C.M. and Prasad, K.N. 2008. 'What triggers seizures in neurocysticercosis? A MRI based study in pig farming community from a district of North India'. *Paramidol Int.*, 57: 166-71.

- Prasad, A., Prasad, K.N., Yadav, A., Gupta, R.K., Pradhan, S., Jha, S., Tripathi, M. and Hussain, M. 2008.** 'Lymphocytic transformation test: a new method for the diagnosis of neurosysticercosis'. *Diagn microbial infect Dir* (Feb 11). Epub ahead of publication.
- Sharma, S., Joshi, S., Mukherji, S., Bala, K. and Tripathi, C.B. 2008.** 'Therapeutic Drug Monitoring: Appropriateness and Clinical Utility in Neuropsychiatry Practice'.
- Thakur, R., Sharma, S. and Kushwaha, S. 2008.** 'Prevalence of HIV-associated Cryptococcal meningitis & utility of microbiological determinants for its diagnosis in tertiary care centre'. *Journal of pathology & microbiology*, 51(2): 212-14.
- Malhotra, H. and Jain, K.K. 2009.** 'Characterization of Tumefactive Demyelinating Lesions Using MR Imaging and In-vivo Proton MR Spectroscopy'. *Mult Scler*; 15: 193-203.
- Juyal, R. and Malhotra, H. 2008.** 'Hot Cross Bun' Sign. *JAPI*; 56: 985.
- Paliwal, V.K. and Malhotra H. 2008.** 'Delayed Diagnosis of Brain Tumor in a Patient Presenting with Flexor Spasms and Spastic Foot Drop'. *Ann Indian Acad Neurol*, 11: 254-6.
- Chaturvedi, S., Dua, R., Singhal, S. and Kumari, R. 2008.** 'Rhabdoid Meningioma with cranial nerve involvement: Case report of a child'. *Clinical Neuropathology*, 27: 248-51.
- Chaturvedi, S., Gupta, S., Singhal, S. and Kumari, R. 2008.** 'Medullomyoblastoma with calcification: A case report'. *Neuropathology*; 28: 93-7.
- Gupta, A., Mathur, S.K., Batra, C. and Gupta, A. 2008.** 'Adenolipoma of the thyroid gland'. *Indian J. Pathol. Microbiol.*, 51: 521-2.
- Gupta, A., Rattan, K.N., Gupta, A., Banerjee, D. 2009.** 'Giant appendicular schwannoma in a child'. *Indian J. Pathol. Microbiol.*, 52: 281-2.
- Gupta, A., Singh, U., Singh, P., Kundu, Z.S. and Gupta, S. 2009.** 'Fine needle aspiration of a huge pelvic mas involving the iliac bone'. *Cytopathology*, 20: 63-5.
- Chhillar, N. 2008.** 'Serum Leptin Levels in relation to Anthropometric and Biochemical Parameters in Indian obese women', Session VIII/8, Ambicon 2008, Govt. Medical College and Hospital, Chandigarh, 13-16 November 2008.
- 'Biochemical Profile of alcoholic patients attending a tertiary care neuropsychiatric institute: A retrospective study', 3rd Diabetes India International Conference, Bangalore, 5-7 December 2008.
- Agarwal, R., Kushwaha, S., Tripathi, C.B., Singh, N. and Chhillar, N. 2008.** 'Serum Copper in Alzheimer's Disease and vascular Dementia'. *Ind. J. of Clin. Biochem*, 23(4): 369-74.
- Khurana, S. 2008.** 'What causes your head to ache'. *Deccan Chronicle*, 7.

Chandra, P.S., Raghunandan, V.N.G.P. and Krishna, V. 'Women and Mental Health'. In: Quah, S. and Heggenhougen, K. (eds) *Encyclopaedia of Public Health*. Elsevier, pp.608-17.

Abstracts

Veena, A.S., Vaddiparti, K., Chandra, P.S., Callahan, C., Benegal, V. and Cottler, L.B. 2008. 'Problem Drinking among Married Men in an Urban Slum in India: Comparison between husband's and wife's reports', in abstracts 70th Annual Scientific Meeting, 'Collage on Problems of Drug Dependence', (San Juan) Puerto Rico.

Sharma, S., Joshi, S., Mukherji, S., Bala, K. and Tripathi, C.B. 2009. 'Therapeutic Drug Monitoring: Clinical Utility in Neuropsychiatry Practice and Experiences'. *American Journal of Therapeutics*; 16: 11-16.

Aggarwal, R., Kushwaha, S., Tripathi, C.B., Singh, N. and Chhillar, N. 2008. 'Serum Copper in Alzheimer's Disease and Vascular Dementia'. *Indian Journal of Clinical Biochemistry*; 23(4): 369-74.

Sinha, U.K., Desai, N.G., Gupta, D.K., Tripathi, C.B., Sisodia, A., Kumar, J., Shah, B. and Mathur, P. 2008. 'Development of Psychological Risk Factors Questionnaire (PRFQ)'. *Psychological Studies*; 53,(2): 146-9.

Thakur, R., Sarma, S. and Kushwaha, S. 2008. 'Prevalence of HIV Associated Cryptococcal Meningitis and Utility of Microbiological Determinants for its Diagnosis in a Tertiary Care Centre'. *Indian Journal of Pathology and Microbiology*, 51(2): 212-14.

Sarma, S. and Thakur, R. 2008. 'Cutaneous infection with Mycobacterium fortuitum - An unusual presentation'. Smita Sarma, *Indian Journal of Medical Microbiology*; 26: 388-90.

Thakur, R., Sarma, S. and Bala, K. 2009. 'Group A Streptococcus Meningitis - Microbiological evidence clinches the issue'. *Indian Journal of Pathology and Microbiology*, 52(1): 132-3.

Chaturvedi, S. et. al. 2008. 'Rhabdoid meningioma with cranial nerve involvement: case report of a child'. *Clinical Neuropathology*, 27(4): 248-51.

Kumari, R. et. al. 2009. 'T2 relaxometry of the hippocampus on 3Tesla MRI'. Poster presentation in Indian Epilepsy Congress 'ECON', Tirupati, Andhra Pradesh.

Books

Gupta, U., Sharma, S. and Gurbani, N.K. (eds). 2008. *Promoting Rational Use of Drugs: A Manual for Nurses*. Delhi: Delhi Society for Promotion of Rational Use of Drugs (DSPRUD).

Sharma, S., Sethi, G.R. and Gupta, U. (eds). 2008. *Standard Treatment Guidelines: A Manual for Medical Therapeutics* (3rd edition), Delhi: Delhi Society for Promotion of Rational Use of Drugs. BI Publications. Special editions for State of Rajasthan and Uttarakhand.

Aggarwal, A., Singh, V., Batra, S., Faridi, MMA and Sharma, S. 2009. 'Effect of carbamazepine therapy on serum lipids in children with partial epilepsy'. *Paediatric Neurology*, 40(2): 94-7.

Sharma, S., Joshi, S. and Chadda, R.K. 2009. 'Therapeutic Drug Monitoring of Lithium in Patients with Bipolar Affective Disorder: Experiences from a Tertiary Care Hospital'. *Am J. Ther.* [Epub ahead of print].

Sharma, S., Joshi, S., Bala, K. and Tripathi, C.B. 2008. 'Therapeutic Drug Monitoring: and Clinical utility in practice'. *Am J. Therp.* (Epub ahead of print).

Abstracts

Sharma, S., Prakash, A. and Kushwaha, S. 2008. 'Homocysteine levels in Neurological Disorders in Indian Population'. International Conference of Translational Pharmacology & 41st Annual Conference of Indian Pharmacological Society, Delhi, INDIA. IJP 2008; 40 Suppl. 2, S127.

Grover, S., Gupta, M., Kaur, H., Baghel, R., Sharma, A., Varma, B., Sharma, S., Bala, K., Gourie, M., Devi, Samir K Brahmachari and Kukreti, R. 'Pharmacogenomics of first line anti-epileptic drugs (AEDs) in Indian population'. HUGO'sth Human, Sat-Tueat Hyderabad.

Sharma, S., Agarwal, A.K. and Gupta, M. 2008. 'Impact of a drug policy on availability and drug cost containment in a tertiary care hospital: Ten years of experience', at Annual Conference of ISPOR at Toronto, Canada, 5-7 May 2008.

Jain, M.K. 2008. 'Alternative to Succinylcholine for ECT in Neuroleptic Malignant Syndrome Patients: Can Atracurium is Safe?' *J. Anaesth. Clin. Pharmacol.*, 24(2): 229-30.

2008. 'Anesthetic management of MECT in a pregnant patient'. *J. Anaesth. Clin. Pharmacol.*, 24(4): 495-6.

Narayan, V.B. and Jain, M.K. 2008. 'Anaesthetic management for ECT'. *J. Anaesth. Clin. Pharmacol.*, 24(3): 259-76.

Arya, A., Singh, M. and Gurwara, A.K. 2008. 'A comparison of Thiopentone sodium, Propofol and Midazolam for Electroconvulsive therapy'. *J. Anaesth. Clin. Pharmacol.*, 24(3): 259-76.

Singh, R., Jain, D.C. and Sharma, V. 2009. 'Culture of Missing Girl: Anthropological insight in Culture, Medical Technologies and Medicine'. Abstract accepted in the National Seminar on 'Population and Development: Issues and Challenges in Punjab', Chandigarh, 3-5 March 2009 organised by International Institute of Population Sciences, Mumbai.

Sinha, U. 2008. 'High risk behavior in adolescents: a mental health perspective', in the Souvenir of the National Seminar on 'Life style changes', Barkatullah University, Bhopal.

Sinha, U. 2008. 'Development of Psychological Risk Factors Questionnaire (PRFQ)'. *Psychological Studies*, 53(2).

Chapter on 'Family counseling and therapy for children and adolescents with emotional & behavioural problems' for the course book of IGNOU *Family therapy and counseling*.

INDIRA GANDHI INSTITUTE OF PHYSICAL EDUCATION & SPORTS SCIENCES

New Additions

Dr. Ekta Bhushan Satsangi, Ms. Meenakshi, Dr. Taraknath Pramanik, Dr. Vinay Vikash, Mr. Dharmender Kumar, Mr. Man Singh and Dr. S.J. Basumatary.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Neha Sharma	B.Sc. (PEHE&S)	I
Ms. Kavita Vats	B.Sc. (PEHE&S)	II
Ms. Priya Lohchab	B.Sc. (PEHE&S)	III
Mr. Udham Singh Chahar	B.P.Ed.	I
Ms. Malika Sharma	B.P.Ed.	II
Ms. Ekta Mehta	B.P.Ed.	III
Ms. Rekha Gupta	M.P.Ed.	I
Ms. Neeti Rawat	M.P.Ed.	II
Ms. Meenakshi Tokas	M.P.Ed.	III

Library Development

Books worth Rs.1,12,565 have been procured by the Library.

Seminars/Conferences attended

Dr. (Mrs.) M.K. Singh: Presented two papers on the topics 'Doping' and 'Analytical Study of Lifestyle and Behaviour Modification of Players Through Diet and Nutrition', at the National Seminar on 'Recent Researches in Physical Education & Sports', School of Environmental Studies, Delhi University, 5-6 November 2008.

2008: 'Doping'. Proceedings of UGC Sponsored National Seminar on Recent Researchers in Physical Education & Sports: 12-13. Maharaja Agresen College, Delhi.

Publications

Kansal, D.K. 2008. *Textbook of Applied Measurement, Evaluation and Sports Selection*. New Delhi: Sports & Spiritual Science Publications.

Singh, M.K. 2008. *Comprehensive Badminton*. New Delhi: Friends Publications.

- Singh, M.K. and Jain, P. 2008.** *Yoga Aur Manoranjan*. New Delhi: Khel Sah. Kendra.
- Shaw, D. 2008.** *Shareerik Shiksha Mein Sankhiyaki*. New Delhi: N.D. Sports Publication.
- Nath, T. and Vyas, R. 2008.** *Mannuakhel Aur Manoranjan*. New Delhi: New Delhi: Sports Publication.
2008. *Khel Kud Mein Shareerik Prashikshan*. New Delhi: N.D. Sports Publication.
- Krishan, K. and Nath, T. 2008.** *Shareerik Shiksha Mein Path Yojana*, New Delhi: N.D. Sports Publication.

INSTITUTE OF HOME ECONOMICS

New Courses/Subjects introduced

- Certificate course in Early Childhood Care and Education.
- Certificate course in Event Management.
- Certificate course in Radio Jockeying.
- Short term course in AutoCAD and Interior Designing.
- Short term course on Computer Aided Designing.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Manmeet Kaur	B.Sc. (Pass) Home Science	I
Ms. Neha Jain	B.El.Ed.	III

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Assessment of microbiological quality of street food.	Dr. Geeta T. Kumar Dr. Sunita Aggarwal, Mrs. Nitika Nagpal	ICMR
Maternal factors and seasonal influences of the Infant birth weight growth and development - A study among the rural/urban poor in Delhi.	Dr. S.J. Passi	UGC
Efficacy of supplementation with B-carotene rich foods- A study among primary school children in Delhi.		DRDO DIPAS

Third Party evaluation of the mid day meal programme in govt. schools of Delhi.		MCD
A guide to healthy eating in old age- Nutritional guidelines and model meals for low income elderly group in Delhi NCR.	Dr. Seema Puri Dr. K. Khanna	DST
Randomized controlled trial of daily D supplementation on mortality and hospitalization in LBW infants for the first six months of life on their vitamin D status, prevalence and severity of inflammation and change in their Type 1/II cytokins balance.	Dr. Geeta Kumar	DBT NTWB
University School Resource Network.	Dr. A. Gugnani Mrs. Nidhi Gulati	SRTT
Gender specific impact of climate change on household water poverty.	Dr. Savita Agarwal Dr. Geeta Punhani Dr. Parveen Pannu	Ministry Environment and Forest
Evaluation of chemical and Microbiological quality of vermin- compost using different wastes.	Dr. Art Nigam Dr. Rachna Kapila	UGC
Towards inclusive early childhood education: assessment and intervention in anganwadis of Delhi.	Dr. Geeta Chopra Mrs. Bhawna Negi	UGC

Library Development

Total Budget	:	Rs.5, 70, 000 + Basic Rs.4,00,000.00
Books added	:	1,127
Journals subscribed	:	40

New Additions

Mrs. Archana Bhagat	-	Food & Nutrition
Mrs. Yuki Azaad	-	Communication & Extension
Mrs. Meena Batham	-	Textiles and Clothing
Mrs. Haneet Gandhi	-	B.EI.Ed.
Ms. Sunita Mishra	-	B.EI.Ed.
MS.Pratima Singh	-	Resource Management

Seminar held

The Department of Microbiology organised a symposium on 'Medical Biotechnology', in collaboration with Department of Microbiology, South Campus, 25 September 2008.

Seminars/Conferences attended

Dr. G.T. Kumar: Presented a research paper on 'Vitamin D and Sun Exposure', Europe Society for Pediatric Infections Diseases Conference, Garz, Austria, May 2008.

Ms. Yuki Azad: Presented a paper titled 'Entertainment Education and AIDS Awareness', XII Japan India Students Conference, Tokyo and Kyoto, Japan, June 2008.

Dr. Seema Puri: 'Older Persons in India: Who is Responsible for their Well being', IFHE World Congress, Lucerne, Switzerland, 27-31 July 2008.

Presented a research paper 'Association between risk of falls and nutrition and life style factors among elderly', International Congress of Dietetics Association, Yokohama, Japan, September 2008.

Chairperson of Session on Nutrition in Old Age, at the International Congress of Gerontology and Geriatric Medicine 2009, New Delhi, 26-28 February 2009.

Presented a paper titled 'Innovations in preparing nutritious diets for older people', at the International Congress of Gerontology and Geriatric Medicine 2009, New Delhi, 26-28 February 2009.

Presented a paper on 'Obesogenic Environment - An Indian Perspective', at a Conference on Counting Calories Wisely, New Delhi, 12 April 2008.

Invited to Chair the session on 'Healthy Lifestyles' at the Second Annual Conference of the Medical Fitness Society, 'Lifestyle Management at Workplace', New Delhi, 6 July 2008.

Presented a paper on 'Role of Diet in Aging Process', at a Seminar on 'Empowerment Senior Citizens with Spirituality', Manesar, Haryana, 1 October 2008.

Dr. Geeta Punhani: Presented a paper on 'Indian Mobile Revolution - Partnering for Development', AMIC, Manila, Philippines, July 2008.

Dr. Mila Tuli: Presented a paper titled 'Adults as Parents: Ethnotheories of Child Care in India', International Conference of IACCP, Bremen, Germany, July 2008.

Presented a paper titled 'Nutrition: Role in Successful Ageing', VI International Congress on Geriatric Care and Anti Aging Medicine, New Delhi, 14-16 November 2008.

Mrs. Jyoti Dalal: Presented A paper 'Education and Intolerant Identity: Understanding the Linkage', in the International Conference for Academic Disciplines, University of Central Florida, Orlando, Florida, USA, 16-19 February 2009.

Dr. Geeta Chopra Presented a paper on 'Innovative Training Module on Prevention, Early Detection and Management of Childhood Disabilities', at the National Conference of Childhood Disability of the IPA at Meerut, October 2008.

Chaired a session on 'Including Every Child' at the National Conference on Early Childhood Care and Education, New Delhi in September 2008.

Jointly presented a research paper 'Coping Skills of Families of Intellectually Disabled Children and Support available - A Comparative Study of Urban and Urban Slum Dwellers in Delhi', Indian Social Science Congress, December 2008.

Ms. Yuki Azad: Presented a paper titled 'Digital Camera to Project Women's Voice', in International Jubilee Conference on Women's Education, Banasthali University, November 2008.

Publications

Punhani, G. 2009. *Media for Effective Communication*, (Graduate Students).

Sedwal, M. 'Education and Social Equity: With special focus on SC and ST in Elementary Education', University of Sussex and National University of Educational Planning and Administration (Research monograph).

Research Articles in Books or Scholarly Journals

Sharma, S., Puri, S., Agarwal, T. and Sharma, V. 2009. 'Diets based on Ayurvedic Constitution: potential for weight management'. *Alternative Therapies in Health and Medicine*, 15(1): 44-7.

Jain, R., Puri, S. and Saini, N. 2008. 'Diet and Nutritional Profile of Sportswomen participating in team games at State/National level'. *Indian Journal of Public Health*, 52(3): 153-5.

Puri, S. 2008. 'Almonds - King of Nuts'. *Complete Well Being*, Vol. 3(2).

Passi, S.J. and Sabharwal, V. 2009. 'HIV/AIDS and Nutrition in Adolescents'. In *A textbook on HIV Infection and AIDS in adolescents*, (eds) Bhatia, Grover and Gupta. New Delhi: New Age International Publishers, pp. 171-93.

Khandelwal, S., Demonty, I., Jeemon, P., Lakshmy, R., Mukherjee, R., Gupta, R., Snehi U., Niveditha, D., Singh, Y., Vander Knaap H.C.M., Passi, S.J., Prabhakaran, D. and Reddy, K.S. 2009. 'Independent and interactive effects of plant sterols and fish oil n-3 long chain polyunsaturated fatty acids on the plasma lipid profile of mildly hyperlipidemic Indian adults'. *British Journal of Nutrition* (doi: 10.1017/S0007114509297170. Published online by Cambridge University Press 19 Mar 2009):1-11.

Chopra, G. 2009. 'Including Children with Disabilities in Early Childhood Education Programme', *National Journal for Early Childhood Care and Education*, IX (1).

Gulati, N. 2009. 'Learning from Children. What to teach them'. *Journal of Contemporary Education Dialogue*, 5(2).

Sharma, A., Sharma, R. and Gulati, R. 2008. 'Early Childhood Development Education Policy and Programming in India: Critical Issues and directions for Paradigm Change', *International Journal of Early Childhood Education*, 40 (2).

Aggarwal, J. and Gupta, C. 2008. 'Design and development of value added lingerie for Indian women'. Paper published in XXI World Congress, International Federation for Home Economics, Lucerne, Switzerland.

INDRAPRASTHA COLLEGE FOR WOMEN

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Shivani Datta	M.A. Psychology	I
Deepika Gupta	M.A. Psychology	III
Reetu Gupta	B.A. (Hons.) Hindi	III
Gazal Arora	B.A. (Hons.) Philosophy	I
Rachna	B.A. (Hons.) Political Science	II
Urvashi Agarwal	B.A. (Hons.) Psychology	I
Malika Murli	B.A. (Hons.) Psychology	II
Sweksha Bhagat	BMMC	I
Karuna Kumar	BMMC	II
Poorva	BMMC	III
Purnima Luthral	B.Sc. Computer Science	III

Library Development

Total Budget	:	Rs.8,28,400.00
Books added	:	1,438
Journals subscribed	:	82

New Additions

Dr. Meetu Rohtagi, Ms. Bindu Das and Ms. Anshu Srivastava.

Honours/Distinctions

Sonali Agarwal: Awarded an Associateship by the Indian Institute of Advanced Study, Shimla.

Raj Chauhan: Awarded the 'Sanskrit Samaradhaka Samman' by the Delhi Sanskrit Academy.

Meenakshi Khanna: Awarded a Visiting Fellowship at Lehrstuhlranistik, University of Bamberg, Germany.

Chitra Joshi: Visiting fellow at the Centre for Research and Documentation on Contemporary Brazil, Getulio Vargas Foundation (CPDOC), Rio De Janeiro, Brazil, (supported by SEPHfS); and at the Interdisciplinary Institute of Gender Studies (IEGE), Faculty of Arts, University of Buenos Aires (supported by SEPHIS).

Seminars/Conferences attended

Dr. Manasvini Yogi: Presented a paper 'Ethics and Corporate Social Responsibility', at an International Conference on 'Ethics in the Public and Private Spheres: Ancient Greek and Modern Perspectives', organised by South African Society for Greek Philosophy and the Humanities, April 2008.

'Death with Dignity', at the 22nd World Congress of Philosophy organised by Seoul National University, Seoul, South Korea, July-August 2008.

'Ethics in Every Day Life', at an International Conference at Salzburg, Austria, organised by Interdisciplinary. Net, UK, March 2009.

Dr. Poonam Trivedi: Presented a paper 'Collegiate Shakespeare: Pedagogy and Performance in India', at the International Conference on the 'Reception and Transformation of English Literature in Asia', National Taiwan University, Taipei, September 2008.

Dr. Aruna Gupta: Presented a paper 'Media aur Hindi Shikshan', at the International Conference on 'Japan Mein Hindi Urdu Shikshan Ke Sau Varsh', organised by Tokyo University of Foreign Studies, Japan, December 2008.

Dr. Shrruti Sahrawat: Presented a paper 'Increasing significance of Organizational Commitment in the contemporary work Environment' at the European Conference for Academic Disciplines, organised by The International Journal of Arts and Sciences held at Gottenheim, Germany, December 2008.

'Loneliness in the Twilight Zone', at the American Society of Business and Behavioural Sciences, February 2009.

Dr. Surabhika Maheshwari: Presented a paper 'Children of Famous Parents: An Exploratory Study', at the International Conference on 'Cognitive, Psychological and Behavioural Sciences', Paris, France, July 2008.

Dr. Vishnu Kanta Purohit: Presented a paper 'Revenue Implications of the Introduction of Goods and Services Tax (GST) in India', International Conference on 'Issues before Thirteenth Finance Commission', organised by the Foundation for Public Economics and Policy Research, New Delhi, May 2008.

Dr. Manasvini Yogi: Presented a paper 'Whitehead and Corporate Social Responsibility', at the International Whitehead Conference, Christ University, Bangalore, organised by International Whitehead Society, January 2009.

Ms. Lianboi Vaiphel: Presented paper 'Fragmented Identities in the Era of Globalisation: A Case Study of the Kuki Mizo Chin Tribes', at an International Seminar on 'Exploring the History, Culture and Identity of the Chin Groups', Mizoram University, October 2008.

Dr. Poonam Trivedi: Presented a paper 'Impudent Imperialists: Burlesque and the Bard in 19th Century India', at an International Conference on 'Staged Encounters: History, Society, Identity and Shakespeare', Jadavpur University, Kolkata, December 2008.

Presented a paper 'Cultural Translation and Ramu Ramanathan's *Shakespeare and She*', at the Indian Association of Commonwealth Languages and Literatures Conference on 'Translation and Postcolonialities', Karnataka University, Dharwad, February 2009.

'Suit the word to the action, action to the word: Performance and Shakespeare Pedagogy', at Seminar on 'Text, Pedagogy and Discourse', Shyam Lal College, Delhi University, February 2009.

Ms. Sonali Agarwal: Presented a paper 'Interrogating the Nation: Terrorism in Recent Hindi Cinema', at an International Conference on 'Media, Culture and Ideology', organised by the Osmania University Centre for International Programmes, Hyderabad, January 2009.

Presented a paper 'The Desi Bridget Jones: Reflections on Indian Chick Lit', at National Seminar on 'Indian Writing in English and in English Translation', organised by the Dept. of English, University of Pune, February 2009.

Ms. Anita Swami: Presented a paper 'Paramara mein Aagam Pramaan' at the 44th All India Oriental Conference, Kurukshetra University, Haryana, July 2008.

Publications

Books

Das, N. 2008. *Soki: A Book of Poems*. Chicago: Virtual Artists Collective.

Kinra, C.K. 2008. *Hindi Bhasha Ki Bhumika*. Text Book for 1st year Non Credit Hindi Course.

Sengupta, D. and Hossain, S. (eds). 2008. *Dakhin Aslar Naribadi Golpo*. Dhaka: Shomoy Prakashan.

Yogi, M. 2008. *Euthanasia: Its Moral Implications*. Delhi: Pratibha Prakashan.

2008. *Studies in Indian and Western Philosophy: Some Reflections*. Delhi: Pratibha Prakashan.

Research Articles in Books/Scholarly Journals

Alamelu, B.R. 2008. 'Disability, Feminism and Human Rights'. In *Disability, Citizenship and Social Empowerment*, (ed.) Singh, S. New Delhi: Anamika Publishers.

Das, B. 2009. 'Alternative Science: Women and Development in India'. In *Issues in Applied Ethics* (ed.) Kumari, V. New Delhi: Satyam Publishing House.

- Das, S.S. 2008.** 'State. In Political Theory: An Introduction', (ed.) Bhargava, R. and Acharya, A. Delhi: Pearson Longman.
- Ekka, R. 2008.** 'Word and Meaning: A Perspective'. In *Random Plurals: Fragments on Philosophy, Aesthetics and History*. Delhi: Anjali Anu Publishers.
- Joshi, C. 2008.** 'Histories of India Labour: Predicaments and Possibilities'. *History Compass*, 6:2.
- Manocha, N. 2009.** 'Rights and Obligations, Duties of Men Towards the Have-nots of the Society in National Context'. In *Issues in Applied Ethics*, (ed.) Kumari, V. New Delhi: Satyam Publishing House.
- Shah, S. 2008.** 'Poetesses in Classical Sanskrit Literature: 7-13 Centuries'. *Indian Journal of Gender Studies*, 15 (1).
2008. 'Women in Early Medieval North India'. In *A Comprehensive History of India*, Vol. 4 Part 2, (eds) Sharma, R.S. and Shrimali, K.M. Delhi: Manohar.
2008. 'Laingik Rajniti tatha Mahabhartā mein Matrīdevīan'. In *Tadbhav Anka*, 18 July.
- Trivedi, P. 2008.** 'The Politics of India Folk Theatre'. In *Theatre and Democracy* (ed.) Ravi Chaturvedi. Jaipur: Rawat Publications.
- Yogi, M. 2009.** 'Death with Dignity'. In *Issues in Applied Ethics*, (ed.) Kumari, V. New Delhi: Satyam Publishing House.

JANKI DEVI MEMORIAL COLLEGE

Major Activities

The Golden Jubilee year the college was host to several eminent guests such as Padma Vibhushan Dr. Karan Singh and the illustrious former President of India Dr. A.P.J. Abdul Kalam. Eminent international personalities like Shiv Khera also spoke at JDMC.

Student Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Mayuri Dhingia	B.A. (Hons.) Sociology	III

Library Development

Total Budget	:	Rs.5,42,250.00
Books added	:	1,399
Journals subscribed	:	79

New Additions

Ms. Sushma Maurya	-	Commerce
Ms. Amita	-	Commerce

Honours/Distinctions

Dr. Indu Anand: Received Women's Achievement Award on the occasion of International Women's Day 2008, from the Women's International Network, New Delhi.

Dr. Sandhya Garg: Awarded 'The Rank and Bolt Award' instituted by Air India and *Dainik Jagran*, for teaching achievements.

Dr. Swati Pal: Awarded 'Charles Wallace Scholarship' for the second time.

Dr. Gurinder Harnam Singh: Awarded Women's Achievement Award on the occasion of International Women's Day Celebrations and Sangam Kala Award for Hindustani Classical (vocal) Music at Siri Fort.

Vandana Madan: Received 'Women's Achievement Award' on the occasion of International women's Day 2008, from the Women's International Network, New Delhi.

Dr. Kumkum Srivastavat: Awarded a Ph.D. degree in Anthropology.

Dr. Ruby Bhardwaj: Awarded a Ph.D. Degree.

Dr. Sudha Upadhyay Awarded a Ph.D. Degree.

Seminars/Conferences held

The Department of Commerce organised a National Conference at India International Centre, Lodhi Road, New Delhi, 8 December 2008. Sponsored by Allahabad Bank, Union Bank of India, Punjab National Bank and Bank of Maharashtra.

The Department of English, in collaboration with the English Department, Delhi University, and Sahitya Akademi, organised a National Seminar on 'Literature and Revolution', 26-27 November.

Seminars/Conferences attended

Ms. Marjorie Fernandes: International Seminar on 'Challenges before the Thirteenth Finance Commission', organised by the Foundation for Public Economics and Policy Research, Delhi, 17 May 2008.

Presented a paper on 'Education for Skill-Development and Employment' Hard' vs. 'Soft' Skills', Golden Jubilee Conference of the Indian Society of Labour Economics, organised by Giri Institute of Development Studies in collaboration with Lucknow University and Indian Institute of Management Lucknow, 13-15 December 2008.

Dr. Swati Pal: Presented a paper titled 'Murder Most Foul: A tribute to Safdar Hashmi and JANAM', at an International Conference on Community Theatre University of Exeter, UK, April 2008.

Presented a paper at the National Seminar on 'Literature and Revolution', organised by the English Department JDMC, Delhi University, and Sahitya Academi, 26-27 November 2008.

Ms. Natasha Nongbri: Presented a paper titled 'The colonial discourse on minor forest produce: Control and Conflict', at the Seminar of the International Association of Historians of Asia, JNU, Delhi, 14-17 November 2008.

Ms Savita Chikara: Participated in a Seminar of the International Association of Historians of Asia in Delhi, presented a paper titled 'Paumacariyam and Jaina Identity', at JNU, Delhi, 14-17 November 2008.

Ritu Arora: Participated in the Pre-ICM International Convention at Delhi University, 18-20 December 2008.

Dr. Rajshree Chandra: Presented a paper at a Workshop on Health Rights conducted by CIPL/CAPPE, Australian National University, May 2008.

Presented a paper titled 'Intellectual Property Rights: Excluding other rights of other people', at an International Conference, on 'Peregrinations: Traveling through Law and Society', organised by LASSNET, JNU, 9 January 2009.

Dr. Deepali Bhanot: Participated in an International Seminar of the International Peace Corps of Religions organised by IPCR at Seoul, South Korea.

Participated in the Seminar on 'Disability, Gender and Society: Contemporary Perspectives and Challenges', organised by Women's Studies and Development Centre, Delhi University, at Delhi University, North Campus, 21-22 August 2008. She was discussant for the section 'Motherhood, Medicine and Care'.

Attended the International Seminar on 'Mainstreaming of Women in work and political processes: Issues, Challenges and the Way forward', organised by WSDC, Delhi University, 5-7 November 2008.

Participated in the 12th National Conference of WAVES on the theme: 'Harappan Civilization and Vedic Culture', Delhi, 24-25 December 2008.

Publications

Pal, S. 2008. *Look Back at Anger: Agit Prop Theatre in Britian.* VDM Verlag Pub.

Amita, 2008. 'Celebrities, Political Leaders and Votes Relation Model', *NIIMS Management Review*, 04.

Fernandes, M. 2008. 'Education the Key Measure for Empowerment of Women in India: Need for a Holistic Approach' in Sinha, A.K. (ed.), *New Dimensions of Women Empowerment*, New Delhi: Deep & Deep Publications Pvt. Ltd., pp. 374-86.

Singh, N. 2008. 'Resistance to Colonial Authority in Awadh during 1857-59: A Study of the Garhis, Ammunitions and Forests' in *U.P. Historical Review*, Vol. IV(V).

Singh, N. 2008. 'Garhis, Jungles and Arms: Land Owning Class and their Resistance to Colonial Authority in Awadh During 1857-59' in Asthana, P. and Jafri, S.Z.H. (eds) *Transformations in Indian History*, Proceedings of UP History Congress.

Bhardwaj, R. 2008. 'Sociological Inroads into Medicine: A Tribute to Aneeta A. Minocha (1943-2007)', *Sociological Bulletin*.

Kala, C. 2008. 'Teaching sociology at the undergraduate level', *MERI Journal of Education*.

Rajyalakshmi, V. 2008. *Language as a Symbol of Ethnic Identity*. New Delhi: Uppal Publishing House.

JESUS AND MARY COLLEGE

Major Activities

The prestigious Inter-College Debate, sponsored by NHRC, was organised by the Sociology Department on 21 November 2008 on 'Naxalities are not terrorists but product of State apathy towards marginalized communities'. The debate was thought-provoking, and extremely well attended. Lectures and talks on topics like 'Human Rights', 'Corporate Social Responsibility', 'Terrorism', 'Mind your Mind', 'The Vanishing Village' and 'WTO' emphasize on the students' on awareness of social values and issues.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Mishita Mehra	Economics Hons.	III
Prakrita Saxena	Mathematics Hons.	I
Karuna Mamtani	Mathematics Hons.	III
Meera Gopakumar	Political Science (Hons.)	III
Aakriti Kakkar	B.Com. (Hons.)	III
Arshia	B.Com. (Hons.)	I
Sonia Ahuja	B.A. Programme	II
Priyanka Mukim	B.A. Programme	III
Aakanksha Chandelle	B.A. Programme	III
Preyesu Jain	B.Com. Course	II
Garima Aggarwal	B.El.Ed.	I
Priyanka Gautam	B.El.Ed.	I
Jaspinder Kaur	B.El.Ed.	II

Library Development

Total Budget	:	Rs.9,02,500.00
Books added	:	928
Journals subscribed	:	115

Honours/Distinctions

Dr. A. Ghai: Elected President of the Indian Association of Women Studies for 2008-11.

Awarded the Teen Murti Fellowship for 2009-11.

Seminars/Conferences held

Jesus and Mary College hosted a UGC sponsored Seminar 'From Pythagoras to Andrew Wiles: Tracing the path of Mathematics'.

Berlin. The lecture was presided by Ambassador, Satinder K. Lambah, President of FIGS and the welcome address was given by Ms. Parvesh Malhotra, Acting Principal, Jesus and Mary College.

Seminars/Conferences attended

Dr. S. Bhattacharjee: XXXIV International Byron Conference Contribution: Presented a Paper titled: 'Nothing so difficult as a Beginning in poesy: Don Juan's Apostrophe, Byron Scotland, 14-18 July 2008.

Dr. Taisha Abraham: Attended Women's Congress Madrid, Spain, on 'Globalization and Women'.

Dr. Anita Ghai: Presented a paper titled 'Capetown Sexuality & Disability – An Indian Perspective', as a keynote speaker in an International Conference on Disability, 12-19 November 2008.

Dr. Ameeta Motwani: Delivered a guest lecture on 'Indian Economy, Society and Business Environment: An Introduction' during International Week at Central Ostrobothnia University of Applied Sciences, Finland, 29 March-10 April 2008.

Taught a credit course titled 'Business Ethics and Environment Management' to students of MBA at Central Ostrobothnia University of Applied Sciences, Finland, 3-11 October 2008.

Delivered a guest lecture on 'Green Business Practices' to students of BBA at Central Ostrobothnia University of Applied Sciences, Finland.

Dr. Mani Arul Nandhi: Attended XIV Conference on IAFEP, on 'Self Help Groups and Infra Group Insurance for the Poor in Rural India', Hamilton College, Clinton, New York, 15-17 July 2008.

Dr. R. Marwah: 'Urban Poverty and Governance in India, Shanghai China and Thailand' Shanghai Forum; Published by Fudan University Shanghai, May 2008.

Dr. T. Abraham: International Academy of Trial Lawyers, Conference Panel Discussion, January 2009.

Dr. V. Kshtrepal, Dr. M. Mehta, Ms. Pooja Jaggi and Dr. Ameeta Motwani: Attended International Conference on 'Experience India International of Hate & Cultures of Violence', organised by the Centre for Psychoanalytic Studies, Delhi University, 11-12 September 2008.

Dr. M. Mehta: Attended Seminar on 'Managing the Global Workforce', organised by NHRDN, Delhi University.

Ms. Rashmi Sehgal and Ms. Vasudha Anand: Attended and was part of the Organising Committee of the International Conference on Operator Theory and Related Areas, Delhi University, 9-12 January 2009.

Dr. Sunita Dhal: Attended International Conference on Eradicating Chronic Poverty in India, Jawaharlal Nehru University, New Delhi, 1-3 October 2008.

Dr. Ameeta Motwani: Attended International Workshop on 'Debating Inclusive futures: Prosperity and Inequality in India and China', organised by India China Institute, The New School, New York, and Centre for Policy Research, New Delhi, 19 March 2009.

Dr. Anita Ghai: Presented a paper on 'Media & Disability', as a Keynote Speaker in a Conference 'Sameeksha', Tata Institute of Social Sciences, 9 December 2008.

Presented a paper on 'Gender, Disability Violence' and as a Keynote Speaker in a Conference 'Violence & Disability Issues', Guwahati.

Presented a paper on 'Conceptualizing the sexuality of the Disabled', as a Plenary Speaker in a National Conference on Changing Fabrics of Intimate Relationships, Bangalore, 13-14 February 2009.

Facilitated a Workshop on 'Health Issues of Disabled Women', as a resource person for 'Health & Human Rights Course' Cehat, Mumbai, 30 January 2009.

Presented a Paper on 'Reengaging with Feminist Discourse Issues of Disability' in the National Conference on Disability & Disenchantment: New Challenges and Evolving Directions, New Delhi, 2 March 2009.

Chaired the session as President in Executive Meeting of Laws Kolkata, 20-21 March 2009.

Attended the 'Managing the Global Workforce' Seminar organised by NHRDN and PHD Chambers of Commerce & Industry.

Ms. Pooja Jaggi: Attended a Conference on Disability & Gender as a WSDC nominee, North Campus, Delhi University, 21-22 August 2008.

Ms. Anindita Majumdar: Presented a paper titled 'Are we capable Enough? A Look at the Universality of India Islamic Cultural Centre The capabilities Approach', at The Human Development & Capability Association Conference.

Presented a paper titled 'Love in the time disease: An analysis of the relationship between media, health and the Nation' – Conference on Media, Hyderabad.

Attended a Seminar on 'Marriage in Globalizing Context: Exploring change and continuity' in South Asia IIT.

Dr. Arul M. Nandhi: Microfinance Researchers alliance: under the ages of the IFMR and Ford Foundation, Centre for Microfinance, February 2009.

Dr. R. Dayal: Speaker & Chairperson of a session: National Seminar on 'Career Development', Department of Adult Education, Delhi University, February 2009.

Dr. S. Kaitha, Paper Presentation and Chair of the panel of UGC sponsored National Seminar on Gender Equity, School of Gender Studies, 9-10 January 2009.

Dr. Savita Rastogi: VII National HRM Summit of All India Management Association, New Delhi, 17-18 October 2008.

Dr. Alka Marwaha, Dr. Anu Ahuja, Ms. R. Krishna, Ms. Rama Saxena, Ms. A. Bhambani, Ms. Sunita Narain and Dr. I Dutta: Attended National Seminar 'From Pythagoras to Andrew Wiles: Tracing the path of Mathematics', organised by JMC, Mathematics Department, 17-18 December.

Dr. Nilima Chitgopekar: Paper presented at the Global on World Religions, Cultic Tensions: Dissonance and Resolution in the Shaiva Pantheon, at Jamia Millia Islamia, New Delhi, January 2009.

Dr. Nilima Chitgopekar: Talk delivered at the Attic, New Delhi, on the recently published book Rudra: The Idea of Shiva, 26 August 2008.

Lecture delivered at the Sociology Department of JNU, 'Tracking Gender: A Reading from the World of Indian Goddesses', April 2008.

Publications

Books

Ghai, A. and Johri, R. 2008. 'Where do we draw the line: Issues of Prenatal Selection'. *Indian Journal of Gender Studies*.

Singh, V. and Ghai, A 2009. Notions of Self in children with disabilities Disability & Society.

Lakshmi, S. 2008. *Issues and Interventions*, edited by Subramanyam, L. Srishti Publishers.

Singh, P. 2008. *Dynamics of Indian Financial System*. New Delhi: Ane Books.

2008. *Financial Management*, 2nd edn.

Investment Management, 16th edn.

Business Law – ILLL Website, Delhi University.

Business Communication - ILLL Website, Delhi University.

Nandhi, M. 2008. 'Cooperative Values, intra-group insurance and self-help groups in rural India' in *Cooperative Challenges-Food, Credit, Democracy and Development*, a collection of essays edited by Jean-Francois Draperi, Recma, France.

'Microfinance, Self Help Groups and Empowerment in Maharashtra', a joint paper with Raghav Gaiha, in *The Indian Economy Sixty Years after Independence*, (edited) Jha, R. New Delhi: Palgrave, Macmillan, 2008.

Dayal, R. 'Tourism & globalization; Developmental Perspectives', in *Readings in Life Long Learning*, Department of Adult Education, Delhi University. Delhi: Associate Editor, Peace & Development Digest.

Marwah, R. *Sale of Goods Act*, ILLL.

Rastogi, S. 2008. *Human Resource Development in Higher Education*. Classical Publishing Company.

Sushila, R. 2008. 'Limits of integration: Implications of Ireland's Rejection of the Lisbon Treaty', *The Statesman*.

2009. 'Clash of Civilizations: The Continued Relevance of Huntington's Work', *The Statesman*.

2009. 'Politics of the PUB: Propagation of Two Cultures Despite Equality of Sexes', *The Statesman*.

KIRORI MAL COLLEGE

Major Activities

A team comprising two students from Kirori Mal College, Delhi University-Kamal Arora, 2nd year B.Sc. (Hons) Physics and Khyati Vardhan, 1st year B.Sc.(Hons.) Physics, along with their faculty advisor Dr. Sumitra Mohanty were invited by NASA to participate in the Moonbuggy event at the US Space and Rocket Center, Huntsville, Alabama, USA on the 3rd and 4th April. 2009. The team had designed, fabricated and transported their own 'moonbuggy' for the competition to Huntsville.

There were about 76 teams participating from all over USA, Canada, Germany, etc., including eight teams from India. Among a total of eight awards for various categories in the competition, Kirori Mal College bagged two prestigious awards. One award was for 'Outstanding Efforts in Developing a Human Powered Lunar Rover', while the other was for 'System Safety Engineering'. The 'System Safety Engineering' this year was a problem

posed to the participating teams to suggest a design for tackling the menacing ‘moon dust’ problem, which occurs during ‘day-time’ on the surface of the moon caused by cosmic rays and solar winds.

The judges were extremely appreciative of the efforts made by this team, and are looking forward to seeing the Kirori Mal College team again next year with a new/improved design.

Incidentally, Kirori Mal College was the only team from India to have received an award. It was a great moment when they walked up the stage to receive their awards amongst chanting of ‘Jai Ho’ by all Indian students, in a packed Davidson Center 3-D Auditorium, dotted with top-notch NASA scientists.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Suman Panwar	B.Sc.(Hons.) Maths.	I
Divya Chauhan	B.Sc.(Hons.) Statistics	I
Malay Firoz Das Arora	B.A.(Hons.) English	I
Ankita Choudhary	B.A.(Hons.) Geography	I
Chetan Gupta	B.Sc.(Gen.) Appl. Ph.Sc.	I
Pankaj Kumar Bose	M.A.(F) Hindi	I
Vinita Arora	M.Sc.(F) Chemistry	I
Nafees Ahmed	B.A.(Hons.) Urdu	II
Ruchika Singh	B.A.(Hons.) Geography	II
Aakanksha Saxena	B.Sc.(Gen.) Appl.Ph.Sc.	II
Divya Gupta	B.Com. (Pass)	II
Deepika Saraswat	B.A.(Hons.) Geography	III
Dipankar Nath	B.Sc. (Hons.) Physics IIIyr.	III
Neha Aggarwal	M.A.(F) Maths.	III
Jaya Malhotra	M.Sc.(F) Zoology	III

Library Development

Total Budget	:	Rs.14,30,000.00
Books added	:	2,434

New Addition

Ms. Sagarika Datta Purkayastha - Lecturer - Philosophy

Seminars/Conferences attended

Dr. Shiv Kumar Kaushik: Made a presentation on ‘A Generalization of Frames in Banach Spaces’ in the International Conference on Harmonic Analysis and Applications, IV at Tsaghkadzor, Armenia.

Publications

Books

Pragya. Her travelogue *Tara ki Alwal Yatra* was published and included as an additional reading by NCERT.

Joshi, S. 2008. *Growth and Structure of Tertiary Sector in Developing Economies*. Delhi: Academic Foundation.

Parihar, S.M. Presented a research paper titled 'Evolving Flexible Infrastructure for Enhancing Digital Learning Environment' in an International Conference – 'E- India 2008 (29-31 July 2008).

Kaushik, S.K. 'A Note on Block Sequences in Hilbert Spaces' *Glasnik Matematički*.

'On Near Exact Banach Frames in Banach Spaces'. *Bull. Australian Math. Soc.*

'A Note on Frame Sequences in Hilbert Spaces'. *Int. J. Contemp. Math. Sciences*.

'On Frames in Conjugate Banach Spaces'. *International Jour. of Pure and Applied Math.*

'On Frame Systems in Banach Spaces'. *International Journal of Wavelet Analysis, Multiresolution and Image Processing*, World Scientific Press.

Gupta, B. 2008. 'Aggressive Behaviour and Adjustment in Individual and Team Women Players in relation to their Performance'. *Journal of Sports and Sports Sciences*, NSNIS.

KAMALA NEHRU COLLEGE

Major Activities

The College celebrated its Annual Day on 21 November 2008. On this occasion, a beautiful magazine *Approva* and an academic journal *Akademos* were released; also news letter of various departments, were released. The College organised a UGC funded seminar.

The Shining Network Society and the college invited Dr. A.P.J. Abdul Kalam, Former President of India, to address the students and staff of this College on 2 February 2009 on the topic 'Vision-2020'.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Mahima Bansal	B.A. (Hons.) Geography	I
Bhavna Khanna	B.Com. (Pass)	I
Jolly Singh	B.A. (Hons.) Philosophy	I
Namita Narula	B.A. (Hons.) Political Science	I

Library Development

Total Budget	:	Rs.922248.00
Books added	:	1,548
Journals/Periodicals subscribed	:	105

New Additions

Mr. Pankaj Kumar	-	Commerce	Ms.Reena Devi	-	Economics
Ms.Monami Sinah	-	Economics	Ms. Sushma Sehwat	-	Hindi
Ms. Geetesh Nirban	-	Philosophy	Ms. Vinita Malik	-	History
Ms. Namita Paul	-	English	Dr. Sarita Sharma	-	Sanskrit
Dr.Maitreyee Kumari	-	Sanskrit	Ms.Carmel Christy	-	Journalism
Ms. Sweta Suri Middha	-	Physical Education	Ms.Archana Prasad	-	Sociology
Ms.Pooja Susan Thomas	-	English	Ms.Kamlesh Rani	-	Sanskrit
Ms.Smita Meena	-	Commerce	Ms. Jyoti Raghavan	-	Journalism
Ms. Meena Kumari	-	Political Science	Ms. Saba Parveen	-	Philosophy
Ms.Azka Kamil	-	Geography	Ms.Pravati Dalua	-	Sociology
Ms.Sangeeta Verma	-	Hindi	Ms.Sonia	-	Commerce
Ms.Bharti	-	Hindi	Mr.Mohd Israil	-	Hindi

Seminars/Conferences held

Dr. Sarita Sharma: Presented a Research Paper titled 'Sanskrit Patrakarita Dasha Dishashcha', in a UGC sponsored National Seminar organised by University of Allahabad at Allahabad, 6 February 2009.

Presented a review of the three-day National Seminar organised by University of Allahabad in the convocational ceremony of the Seminar, 7 February 2009.

Participated and presented a research paper titled 'Arthshastre partipadita shiksha vyavastha', in the National Research Seminar organised by Uttaranchal Sanskrit Academy at Haridwar, Uttarakhand, 27 February 2009.

Presented views in the Sanskrit Kutumba Sammelan a conference of Sanskrit speaking families at Haridwar organised by Sanskrit Bharti, Uttarakhand, 1 March 2009.

Participated in a UGC sponsored three-day National Seminar organised by G.N.D. University, Amritsar, and presented a research paper titled 'Vartmana mein Mahila sambandhita apradha : Manusmriti mein samadhana'.

Seminars/Conferences attended

Dr. Rita Malhotra: Received the award of 'The Best Promoter of Indo-Romanian Diplomatic Relations In The Field of Culture', December 2008'.

Visiting Post Doctoral Fellow, Department of Mathematics, Chandigarh University, India, November 2008. Dr. Malhotra delivered talks on 'Bicriteria Network Problems', and 'The out of Kilter Algorithm', 26-27 November 2008.

Delivered an invited Talk on 'Applications of Network Flow Problems', at the UGC-sponsored Seminar, JMC, Delhi University, December 2008.

Inducted as International Member, World Poetry Committee, Vancouver, Canada, January 2009.

Expert Panelist at 'Café Des Savoirs', organised under the aegis of iFAN, the Indo-French Alumni Network, at Centre For French, Jawaharlal Nehru University, New Delhi, March 2009. Talk on 'Translation of Poetry' delivered on the occasion.

Guest speaker at the Poetry Convention in Chennai, India, in October 2008, jointly organised by World Poetry Society Intercontinental, The Soka Ikeda College, Chennai, and the BSG Group in honour of Dr. Daisaku Ikeda. She addressed the gathering with her paper on Ikeda's poetry titled 'On the path to peace' which has been translated into Japanese and published in the Japanese newspaper *Saikyo Shimbun*.

Presented her paper on 'A Poetic Pilgrimage to Peace' at The 4th International Writers Festival on World peace and Literature organised by India Inter-Continental Cultural Association at GMN College, Ambala.

Her peace-poems were part of the 50 world poems selected display at the Westminster Arts Council, New Westminster, October 2008, and the same are now on display at The John Lennon Peace Tower, Iceland.

Invitee delegate at the Granada Vth International Poetry Conference at Granada, Nicaragua, February 2009. Her poems were translated into Spanish and published in the Nicaraguan literary newspaper, *La Prensa*.

Essay on 'Tagore the Poet and beyond' has been translated into Serbian and published in the largest selling daily newspaper of Serbia *Vecernje Novosti*, in May 2008. It was also broadcast by Prasar Bharati, the National Channel of All India Radio in the same month.

Dr. Savita Hanspal: Co-authored a paper titled 'Regulating the Measurement and Reporting of TRPs: Need of the Hour', presented at the 12th International Conference on Consumer Law, organised by NALSAR, University of Law, in association with The International Association of Consumer Law at Hyderabad, NALSAR, Hyderabad.

Presented a paper on 'Youth and Advertising', at the National Seminar on Capacity Building of Youth for Development, organised by Initiative for Social Change and Action in collaboration with the Netaji Academy of Sub Continental Studies (NASS), JNU.

Presented a paper 'Protecting Consumers by Regulating Combinations' at the National Workshop organised by the Deptt. of Adult Education, JNU, 29 March 2008.

Ms. Carmel Christy K.J.: Presented a paper titled 'Sexuality, Gender and Caste: Reflections on Sex-worker's Autobiography' at the Centre for the Study of Developing Societies, New Delhi, in the Ph.D Scholars Workshop, 22-23 September 2008.

Dr. Sheetal Kapoor: Invited by the Indian Institute of Public Administration for a lecture on 'Banking and Consumer', at the 2nd Workshop on Consumer Protection and Welfare for officers of Defence Training, 18 February 2009.

Presented a paper on 'Youth and Consumer Rights Protection' in a National seminar on 'Capacity building of youths for nation building and socio-economic development: Problems and policy prescription', JNU, 21 March 2009.

Publications

Hanspal, S. 2009. 'Consumerism and its Impact under the Auspices of Globalization in India' in: *India in the Globalising Era-A Multidisciplinary Perspective*, (eds) Subhendu Ranjan Raj and Mahendra Prasad Singh. New Delhi: Manak Publications Pvt. Ltd.

Reviewed manuscripts for the Academy of International Business (AIB) 2009 International Conference ID MS0308 on 'Global Acquisition Strategies of Indian Firms' and ID MSO876 on 'A Mediation Conceptual Framework and Propositions of the Relationship between Internationalization and Performance'.

Kapoor, S. 2008. 'Empowering Consumers Through Comparative Testing', *Akademios*.

2009. 'Environment and Consumer: Global quest for Sustainable Consumption', *Disaster Management and Sustainable Development*. Pentagon Press.

2008. 'Banking Ombudsman Scheme', *Yojana*.

2009. 'Legal and Ethical aspects of Advertising', *Yojana* February 2009. Also coordinated the issue on Consumer Protection.

2008. 'Self Help Through Consumer Protection', *The Egalitarian*.

2009. 'Holiday Safeguards', *Consumer Voice*.

2008. 'Consumer movement in India: Rights and Redressal Mechanism', *Pratiyogita Darpan*.

KALINDI COLLEGE

New Course Introduced

Add-on Course Photo Journalism.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Priya Atri	B.Sc. (Prog.) ALS	I
Neha Gupta	B.Sc. (Prog.) ALS	III

Library Development

Total Budget	:	Rs.5,34,653.00
Books added	:	1,477
Journals subscribed	:	56

Appointment of faculty members to higher Posts/Assignments

Ms. Manjit S. Singh: Elected Secretary of the Shakespeare Society of India.

Dr. Ruchi Tyagi: Appointed ILLL Fellow in Political Science for encouraging professional development in higher education through research, seminars and symposium.

Appointed Co-ordinator by ILL for developing question banks for all under-graduate papers in Political Science to be downloaded on the ILLL Web Portal to facilitate students for online self revision and self assessment.

Appointed by ZeiTGeiST publications as columnist for the monthly magazine *ZeiTGeiST Asia*.

Dr. Savita Roy: Appointed referee to the International Committee for *Journal of Plasma and Fusion Research*.

Seminar held

National Symposium on Political Reporting: Challenges and pitfalls, organised by the College, March 2009.

Seminars/Conferences attended

Dr. Savita Roy: Presented a paper 'Deposition and Characterization of Nanoparticles of Cobalt', International Congress on Plasma Physics, Fukoyama, Japan, 6-14 September 2008.

Ms. Anita Tagore: Presented a paper 'Feminism and Social Movement of India', X International Interdisciplinary Congress of Women, Madrid, Spain, 3-9 July 2008.

Dr. Madhu Sharma: Presented a paper 'Sanskrit Loan Words in Malay Language Sources, Domains, Forms and Semiotic Analysis', Department of Malay Studies, University of Kuala Lumpur, Malaysia, 9 January 2009.

Dr. Sharda Jain: Presented a paper 'Paradox of Welfare State and Dilemmas for Research in the Context of Developing Countries', International Conference organised by International Political Science Association, Montreal, Canada, 30 April – 8 May 2008.

Ms. Nivedita Basu: Presented a paper 'Shakespeare and the Russian Intellectual Grigori Kozintsev's Hamlet and King Lear', International Conference organised by Jadavpur University, Calcutta Association with Shakespeare Society of America.

Presented a paper 'Victorian Stagecraft', UGC sponsored Annual Seminar, organised by the Department of English, Delhi University.

Dr. Monica Bassi: Presented a paper 'Neuro-Biophysics Neuronal Transmission', CPDHE, Delhi University.

Ms. Punita Verma: Delivered a Talk at the DAE-BRNS, Symposium on Atomic, Molecular and Optical Physics, organised by the Inter-University Accelerator Centre, 10-13 February 2009.

Publications

Roy, S., Singh, W.P. and Srivastava, M.P. 2009. 'Nanoparticles and Nanostructural Cobalt Deposition using Dense Plasma Focus Device and their Characterization', *Journal of Plasma and Fusion Research Series*.

Tyagi, R. 'Impact of Globalisation on Rural India' in *India in the Globalising Era, A Multidisciplinary perspective*, Singh, S.R. and Singh, M.P. (eds). Delhi: Manak Publication, 250-79.

'Medical Pluralism Viability of Holistic Medicine for Integrating Alternative Health Systems', *Yearly Academic Journal*, 8: 62-91.

KESHAV MAHAVIDYALAYA

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Sakshi Gupta	B.Sc. (Hons.) Computer Science	II
Ms. Tanaya Vashishtha	B.Sc. (Genl.) Mathematics	II

Library Development

Total Budget	:	Rs.4,99,000.00
Books added	:	1,536
Journals subscribed	:	17 Newspapers, 13 Magazine

New Additions

Ms. Vidhu Gupta	- Maths	Ms. Ritu Arora	- Maths
Mr. Satish Kumar	- Maths	Ms. Dimpy Mahanta	- Psychology
Ms. Divya Haridas	- Physics & Electronics	Ms. Meenakshi	- Physics & Electronics
Mr. Jasmeet Singh	- Physics & Electronics	Mr. Himanshu Shankar Trivedi	- Physics & Electronics

LADY SHRI RAM COLLEGE FOR WOMEN

Major Activities

A panel discussion was held on the role and significance of the World Trade Organisation. The panelists included Dr. Montek Singh Ahluwalia (Dy. Chairman, Planning Commission), Dr. Arpita Mukherjee (Senior Fellow, ICRIER), Dr. Aparna Sawhney (Assoc. Prof. JNU) and Mr Ratnesh Verma (Sr. VP, Hyatt Hotels).

Famous graphic novelists of India, Mr. Sarnath Banerjee, Mr. Orijit Sen, Mr. Samit Basu and Mr. Anshuman Ruddra spoke at a panel discussion on the Graphic Novel – a new type of novel.

Mr. Lalit Mansingh (India's former Ambassador to the USA), Prof. Satish Deshpande (from Delhi School of Economics) and Dr. K.P. Vijaylakshmi (from Jawaharlal Nehru University) were the panelists for a discussion titled 'Obama –the Idea, the Hysteria and the Myth'.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Neha Gupta	B.A. (Hons.) Economics	II
Pallavi Paul	B.A. (Hons.) English	III
Nidhi Sharma	B.A. (Hons.) Hindi	I
Lipika Kamra	B.A. (Hons.) Journalism	II
Pooja Kumra	B.A. (Hons.) Mathematics	III
Deepa Singh	B.A. (Hons.) Philosophy	II
Priyanka Banerjee	B.A. (Hons.) Political Science	II
Vibhuti Gupta	B.A. (Hons.) Psychology	I
Kamini Kumari	B.A. (Hons.) Sanskrit	I
Renita Chawla	B.A. (Hons.) Sociology	III
Deeksha Narula	B.A. (Hons.) Statistics	II
Neha Saluja	B.Com.	II
Anshika Srivastava	B.El.Ed	I
Anviksha Sharma	B.A. Programme	II
Pusapati Teja Varma	B.A. (Hons.) English	II
Jaimala	B.A. (Hons.) Hindi	I
Chandni Sengupta	B.A. (Hons.) History	I
Priyanka Batra	B.A. (Hons.) Mathematics	I
Garima Goswamy	B.A. (Hons.) Philosophy	II
Amya Agarwal	B.A. (Hons.) Political Science	I

Library Development

Books added	:	1700
Journals subscribed	:	132

Honours/Distinctions

Dr. Meenakshi Gopinath: Received the Celebrating Womanhood South Asian Recognition Award conferred by South Asia Partnership International for courage, effort and commitment in the sector of social harmony, at a ceremony in Kathmandu, Nepal, October 2008.

Dr. Smita Sehgal: Given an award by the Embassy of Romania for the promotion of Indo-Romanian relations in the field of culture, December 2008.

Seminars/Conferences held

Seminar titled 'From a Life of Mathematics' was organised in collaboration with the Mathematical Sciences Foundation, February 2009.

The Commerce Department organised a seminar on 'The World Trade Organisation and the Service Sector'. The highlight of the seminar was a panel discussion on the role and significance of the WTO.

The Journalism Department organised a conference on Obama: The Idea, the Hysteria and the Myth'.

The NSS group of LSR organised a seminar on 'Equal Opportunities'. Ms. Komal Kamra, a representative of the Equal Opportunities Cell, Delhi University, spoke about the facilities being worked out on the campus to make it more accessible to all.

Seminars/Conferences attended

Dr. Meenakshi Gopinath: Delivered the plenary address titled 'Seedkeepers and Peacebuilders: Women Sculpt a Sustainable World', at the 40th anniversary of the Founding of the Club of Rome, Rome, June 2008.

Made two presentations 'Internationalisation of Higher Education' and 'Future of Secularism and Social integration' for the Indo-German Consultative Group at Munich, Germany, September 2008.

Made a presentation on 'Revisioning Security, Gender, Development and Climate Change' at the International Conference on NTS-Asia Annual Convention, Chinese Academy of Social Sciences, Institute of Asia Pacific Studies at Beijing, China, October 2008.

Delivered the opening address at the International Symposium on 'Democracies in Transition: Opportunities and Challenges for Nepal', New Delhi, January 2009.

Delivered the opening address 'Education for Peace and Multi-culturalism', National Workshop for Education, New Delhi, April 2008.

Delivered the keynote address at the National Seminar for Teacher Educations 'Merging Boundaries and Shifting Paradigms in Education', New Delhi, July 2008.

Ms. Maya Joshi: Read a paper titled 'Buddhism in Modern India: Diverse Trajectories', at the International Conference on Buddhism in Contemporary Mongolia: Its Development and Challenges Ahead', Ulaan Baator, Mongolia, May 2008.

Dr. Sarla Jawa: Presented a paper titled 'College Principals' Supportive Attitudes': Its Impact on Teachers' Stress and Work Attitudes', at an international convention on 'Education, Research and Innovation', at Madrid, Spain.

Dr. Anjali Bhatia: Invited as advisor for the Next Generation Workshop at the Global Centre of Excellence for Reconstruction of the Intimate and Public Spheres in the 21st Century, Graduate School of Letters, Kyoto University, Japan, January 2009.

Presented a paper titled 'Middle Class Motherhood in Contemporary India', at the International Studies Association Annual Convention, New York, February 2009.

Dr. Neelam Singh: Presented a paper 'Outward FDI and Knowledge Flows: A Study of the India Automotive Sector', at the International Conference on 'Globalization of Knowledge Development and Delivery' of the Forum for Global Knowledge Sharing, held at the Institute for Studies in Industrial Development (ISID).

Ms. Maya Joshi: Invited to speak at the International Conference on Buddhism and Science, at the Central Institute of Higher Tibetan Studies, Sarnath.

Dr. Shernaz Cama: Conducted an International Seminar 'Research on Socio-Economic, Attitudinal, Demographic, Scientific and Health Aspects of the Parsi Community in India', Mumbai, December 2008.

Dr. Smita Sehgal: Attended an International Conference on New Cultures of Intimacy and Togetherness at the Nehru Memorial Museum and Library, New Delhi.

Ms. Bhavneet Kaur, Ms Ranjana Jain and Ms. Monika Singh: Participated in the Pre-ICM International Convention on Mathematical Sciences, held at Delhi University.

Dr. Veena Ravi Kumar: Participated in the INDO-NATO Strategic Option Dialogue, held at the United Services Institute, New Delhi.

Dr. Veena Ravi Kumar: Participant in the India-Nepal seminar organised by WISCOMP in New Delhi.

Dr. Sarla Jawa: Attended an International Conference on Experience of Hate and Cultures of Violence, organised by the Centre for Psychoanalytic Studies.

Dr. Kanika Khandelwal: Participated in an international workshop on 'Emotional well-being and Regulation in Children and Adolescents', held at Sir Ganga Ram Hospital, New Delhi.

Dr. Pankaja Ghai: attended international seminar on '100 years of Hind Swaraj', organised by the Gandhi Bhawan, Delhi University.

Ms. Smriti Sharma: Presented a collaborative paper on 'B.El.Ed.: Teacher Education Programme for Reflective Practitioners', at a conference on Organisation of Comparative Teacher Education organised by the United States – India Educational Foundation.

Ms. Megha Anwer: Presented a paper 'Visualising Violence: Articulating Pain and Resistance through the Body', at a seminar titled 'Media, Culture and Ideology' held at Osmania University.

Dr. Priti Prajapati: Participated in International Seminar on 'Swaraj in Literature: Decolonization, Social Justice and Cultural Identity', organised by the Sahitya Akademie in collaboration with the Indian Council of Cultural Relations and Centre for English Studies, JNU.

Participated in a conference on the occasion of the launch of 'Punarbhava', a national interactive web portal on disability and the release of a handbook on SAFA, screen reader software for the visually challenged. This was organised by Media Lab Asia, Rehabilitation Council of India and the National Association for the Blind.

Participated in a Seminar on Mahadevi Verma's birth Centenary at Sahitya Akademi.

Participant at the week-long National Convention of SPICMACAY at the University of Nagaland, Kohima, and at a national convention on 'Testing and Evaluation in Hindi', jointly organised by the National Testing Services, Ministry of HRD, and the Central Hindi Institute, Agra.

Ms. Shikha Jhingan: Presented a paper, 'The Singer, the Star and the Use of Chorus in Hindi Film Songs of the 50's', at a conference on Regional Film Industries: Formative Years, organised by the Department of Cultural Studies, English and Foreign Languages University (EFLU), Hyderabad.

Presented a paper on 'Political and Nationalist Agenda of AIR News' at the 32nd Indian Social Sciences Congress held at Jamia Millia Islamia.

Ms. Ranjana Jain: Presented a paper on 'Embedding Projective Tensor Product of C^+ - Algebras into Second Dual' at the Research Scholar Seminar, Mathematics Department, Delhi University.

Ms. Meenakshi Pahuja: Attended a two-day National Seminar on 'Recent Researches in Physical Education and Sports', organised by Maharaja Agrasen College held at Delhi University.

Dr. Prem Sahajpal: Participated in a three-day seminar 'National Testing Services Convention', held at the Indian Institute of Mass Communication, New Delhi.

Dr. Sarla Jawa: Participated in a national seminar on 'Gerontology: A Global Concern', organised by the Department of Adult Continuing Education and Extension, New Delhi.

Dr. Kanika Khandelwal: Presented a paper titled 'Values of an Organisation Espoused, Practiced and as Expressed in the Company's Corporate Social Responsibility' at the 32nd Indian Social Science Congress, 'The Indian Republic at the Crossroads', held at Jamia Millia Islamia, New Delhi.

Dr. Priti S. Dhawan: Presented a paper on 'The relations of Psychological Adjustment to College Students' personality factors', at the same Conference.

Participated in a conference on 'CBT: Principles and Applications', conducted by the Behavioural Medicine Unit Department of NIMHANS, Bangalore.

Ms. Smriti Sharma: Participated in 'Reaching Across Faultlines: Initiatives for Reconciliation in Gujarat', a WISCOMP Roundtable held at IIC, New Delhi, December 2008.

Publications

Anwer, Megha. 2008. A Never Ending Love Story. Multimedia, Inter-texting with the Bard, 5 centuries down'. *Creative Forum*, Special Issue *Fiction to Film*, 21(1-2): 121-39.

2008. An Identity of One's Own. *Traffic Life*, I (6): 28-9.

Anwer, Megha. 2008. 'Munshi Premchand'. *India Today*, Special Issue:60 Greatest Indians, 150.

Cama, Shernaz. 2008. 'Oral Traditions of the Parsi Zoroastrians'. In *Heritage and Development*, (ed.) Mathur, A.R. New Delhi: INTACH, pp. 531-9.

Cama, Shernaz. 2008. 'Dastur Dr. Firoze Kotwal'. An Interview, Kriti Rakshana. National Mission for Manuscripts, 3(1-2): 6-9.

2008. 'Parsi Crafts: Gift from the Magi'. *Power of Creativity for Sustainable Development*, 2: 30-7. UNESCO, New Delhi.

Dhawan, Priti and Dhillon, M. 2008. Feeding the Symptomatology, Starving the Body: Abnormal Eating Attitudes, Self Esteem and Body Image'. *Journal of Research and Applications in Clinical Psychology*, 7 (1 & 2): 47-53.

Dhawan, Priti and Bhardwaj. S. 'Level of Participation: Its Effect on Motivation and Anxiety Scores of Sportspersons'. *Journal of Personality and Clinical Studies*. 23 (1 & 2): 61-8.

Dhawan, Priti. 2008. The relations of Psychological Adjustment to College Students' Personality Factors'. In Social Science Abstracts, 32 Indian Social Science Congress, Jamia Millia Islamia, New Delhi.

Ghai, Pankaja. 2008. Ved Kumari Ke Kavyon Ki Smikshatmak Parichrcha. In *Ved Kumari Felicitation Volume*, (ed.) Prof. R. Jalali, Department of Sanskrit, University of Jammu, pp.60-4.

Gopinath, M. 2008. 'Etchings on a Wav'e. In *Closer to Ourselves. Stories from the Journey to Peace*. New Delhi: WISCOMP, pp.91-3.

Jain, R. 2008. 'Operation Space Tensor Products of C^+ -Algebras'. *Mathematische Zeitschrift*, Springer-Verlag, pp.805-11.

- Jha, P.K. 2008.** 'A Table Laden with Good Things: Reading a 14th c. Sufi Text'. In *Moveable Type Book History in India* (eds) Gupta, A. and Chakrovorty, S., Ranikhet: Permanent Black, pp.3-25.
- Johri, Rachana and Ghai, Anita. 2008.** 'Prenatal Diagnosis: Where do we Draw the Line'. *Indian Journal of Gender Studies*, 15 (2): 291-316.
- Joshi, Maya (ed.). 2008.** *My Life, My Times: The Autobiography of Bakula Rimpoche*. New Delhi: World Buddhist Culture Trust.
- Joshi, Rita. 2008.** 'The World as Traveller'. *The World of Vikram Seth. World Literature Today*, University of Oklahoma. 82(3): 47-50.
- Khandelwal, Kanika. 2008.** 'Effective Teaching in Higher Education: Research Trends and Implications'. *Journal of Psychological Research*. 3(2): 235-49.
- Khandelwal, K. 2008.** 'Values of an Organisation: Espoused, Practiced and as Expressed in the Company's Corporate Social Responsibility'. In *Social Science Abstracts*, 32nd Indian Social Science Congress, 'The Indian Republic at the Crossroads', Jamia Millia Islamia, New Delhi, p. 207.
- Kumar, K. 2008.** 'A Two Unit Complex System with Correlated Failure and Repair Times'. *Pure Applied Mathematical Science*, 67 (1-2):23-34.
- 2008.** 'Cost Benefit Analysis of a Single Unit System Model with Helping Unit'. *Pure Applied Mathematical Science*, 67 (1-2): 53-62.
- Nath, Dipti.2009.** All said in a Knot. The Politics of Language and identity in *Midnight's Children*. In *Rushdie the Novelist. From Grimus to The Enchantress of Florence*, (ed.) Bharat, M. New Delhi: Pencraft International, pp. 68-75.
- Singh, N. 2008.** 'Outward FDI and Knowledge Flows: A Study of the Indian Automotive Sector'. *International Journal of Institutions and Economics*, 1(1): 155-86.

LADY IRWIN COLLEGE

Major Activities

In 2008, the new Post-Graduate Programme completed its first round of revised curriculum with its first PG batch passing out in July 2009. This year also a student exchange programme was offered by the under Center for Advanced Study wherein post-graduate students of all the five areas visited Michigan State University, Department of Human Ecology and Department of Agricultural Extension, in June 2008.

New Courses Introduced:

Certificate Course in Retail Management in four Modules:

Module I: Basics of Retail Management.

Module II: Space & Facilities Management.

Module III: Customer Relationship Management.

Module IV: Brand Management.

Radio Management.

Ph.D. Degrees awarded

Ph.D. - 2

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ishu Kataria	B.Sc. Hons.	I
Meenal Jain	B.Sc Pass	II
Shruti Pavagadi	M.Sc. Food & Nutrition	I
Sunaina Batra	M.Sc. CRM&E	I
Priya Dudeja	M.Sc. Human Development	I
Akanksha Jain	M.Sc. Fabric & Apparel Science	I
Swati Srivastava	Diploma in DDPHN	I
Shikha Nayyar	B.Ed. Home Science	I
Sakshi Arora	B.Ed M.R	I

Honours/Distinctions

Dr. Sushma Goel: Won IInd Prize in Debate Competition on 'Renewable Energy', organised by the Department of Environment, Govt. of Delhi, on Rajiv Gandhi Akshay Urja Divas, 20 August 2008.

Ms. Bhawna Chanana: Ist prize for the poster presentation made during the 4th International Conference on Apparel and Home Textiles (ICAHT), organised by Okhla Garment and Textile Cluster (OGTC), New Delhi, 26 September 2008.

Seminars/Conferences attended

Dr. Sushma Kashyap: Resource person in a symposium on 'Various Methods of Dietary Survey and Anthropometric Measurements', Developing Capacity Building of Young Scientists, organised by the Indian Council of Medical Research.

Dr. Pulkat Mathur: Paper on 'Validity of Body Mass Index, Fat Mass Index and Other Indicators of Central Obesity in Young Asian Indian Women (17-24 yrs.)', at the 3rd Diabetes India International Conference, 5-7 December 2008.

Dr. Neerja Sharma: Paper on 'Familial Selves and Organic Families: Exploring the Dynamic Organisation of Culture', at the XIX Congress of the International Association of Cross Cultural Psychology held at Bremen, Germany. 27-31 July 2008.

Dr. Asha Singh: 'Using Media in Education', ECCE National Conference on Quality in Early Childhood', Navtika Group.

'Arts Education for Teacher Education', paper presented at the Conference on Arts in Education hosted at Queen's University. Kingston, Canada.

Dr. Sarita Anand: Capacity Building Project on 'Food and Drug Safety' for Partner NGOs Training of Trainers and Development of IEC kit, MOHFW, GOI, with World Bank assistance.

Dr. Sushma Goel: Paper on 'Occupational Health of Women at Work', during National Seminar on 'Safety, Health & Environment in Hazardous Industries and Related Gender Issues', organised by Govt. of India, Ministry of Labour & Employment, Directorate General Factory Advice Service & Labour Institutes, 20 September 2008.

T. G. Rupa, S. Ramamurthy and S. Goel: 'Economic Empowerment and Livelihood Security through Self Help Groups' at National Seminar on 'Rural India Development Alternatives Sectoral Convergence for livelihood security', organised by *Mobilisation*, 16-18 January 2009.

Ms. Bhawna Chanana: Paper on 'Design and Development of Low Cost Sanitary Napkins using Bagasse pulp', during the 4th International Conference on Apparel and Home Textiles (ICAHT), organised by Okhla Garment and Textile Cluster (OGTC), 26 September 2008.

Dr. Girish Chowdhary: Paper on 'Conceptualizing Teacher Empowerment', at the UGC sponsored National conference on 'Need of Teacher Empowerment in Future Scenario', Shah Goverdhan Lal Cabra Teacher's College, 26-28 December 2008.

Paper on 'Equity and Education: A Close Look', at the National Seminar on 'Equity & Education in India. Policy Issues and Challenges', organised at CIE, sponsored by UNICEF and UNESCO, 5-7 March 2009.

Dr. Renu Malaviya: Resource person, 'Workshop on Book Therapy', organised by the Association of Writers and Illustrators along with CBT, February 2009.

Paper on 'The Indian Republic at the Crossroads', XXXII Indian Social Science Congress, 'Contextualizing the School going child in the family and the home', Jamia Millia Islamia, New Delhi, 18-22 December 2008.

Paper on 'Child Abuse and the Indian Families', 4th International Conference organised by the Indian Association for Family Therapy, 'Discipline, Education & Child Abuse', New Delhi. September 2008.

Virtual presentation on 'Barriers in Learning: Some Psycho-Social Issues', at the International Conference of Educational Research and Innovation' (ICERI-2008) at Madrid, Spain, 17-19 November 2008.

Dr. Sarita Jain: Shaping the Future of Special Libraries: beyond boundaries, SLA Special Conference of Asian Special Libraries, 26-28 November 2008.

Research Schemes

<i>Title</i>	<i>Principal Investigator</i>	<i>Sponsoring Organisation</i>
Evaluation of Child Media for Child Participation and Child Right. Alternate report for 'Forces forum for Crèches: ECCD in CRC'.	Dr. Asha Singh	ECCE
Evaluation and Upgradation of the Existing technology for Manufacture of Low Cost Sanitary Napkins. Quality Issue in Higher Education.	Dr. Bhawna Chanana	DST
Assessment and Accreditation in India.	Dr. Girish Chowdhary	DU/ UGC
National Workshop: Capacity Building of Women Managers in Higher Education.	Dr. Renu Malaviya	UGC

Publications

Anandlakshmy, S., Chaudhary, N. and Sharma, N. (eds). 2008. *Researching Families and Children: Culturally Appropriate Methods*. New Delhi: Sage, pp.67-86.

Gaur, R. and Anand, S. 'Declining Sex Ratio: Consequences for Population and Development', 32nd Indian Academy of Social Science Congress, JMI, 18-23 December 2008.

Goel, S. and Gupta, M. 2008. 'Quality of life of Elderly in Old Age Homes in India: Impact of Interventions', *Helpage India Research & Development Journal*, 14(3), Helpage India, New Delhi.

Malaviya, R. 2008. 'Inclusion of Individuals with Specific Learning Disabilities: Contextualisation to Pedagogical Issues and Vocationalisation', in Moitra, K. and Saxena, V. (eds), *Inclusion: Issues and Perspectives*. New Delhi: Kanishka Publications.

2008. 'Story telling: reaching out to the Child with Special Needs'. *Journal of Writer and Illustrator*, 27(1-2).

Sekhri, S. 2008. 'Enhancing the Consumer Appeal of Naturally Coloured Cottons, Mrough Blending and Mordanting', *Colourage*, IV(6): 77-80.

Siddhu, A. 'Food and Nutrition curriculum in Higher education', in *Home science for changing Indian Society*. NFI Publication.

Sharma, N. 2009. *Understanding Adolescence*, New Delhi: National Book Trust.

Sen, R.S. and Sharma, N. 2008. 'Unravelling the Mystery of Creativity'. In S. Anandlakshmy, Chaudhary, N. and Sharma, N. (eds), *Researching Families and Children: Culturally Appropriate Methods*, New Delhi: Sage, pp. 165-91.

Smith, I., Phillipson, B., Kisira, S., Umar, A., Joshi, P. and Shukla, S. *Low-cost Private Education: Impacts on Achieving Universal Primary Education*. London: Commonwealth Secretariat.

LAKSHMIBAI COLLEGE

Major Activities

The College has set up a computer lab for the visually disabled. Computers have been installed and the room has been redesigned. Seven computers, installed with specific soft wares like JAWS, KURZWEILOOO and SAFA, are functioning optimally. Apart from this, the payroll accounting system has been fully automated and so has the library. All library tickets are now computer generated. The OPAC facility has also been provided to users.

Library Development

Total Budget	:	Rs.85,000.00
Book added	:	801
Journals subscribed	:	57

New Additions

Ms. Sucheta Gauba	-	Commerce	Ms. Hemlata	-	Commerce
Dr. Mahavir Prasad Yadav	-	English	Ms. Ashima	-	English
Ms. Anju Dahiya	-	English	Dr. Sabrina Sareen	-	Home Science
Dr. Kamlesh Lal Srivastava	-	Hindi	Ms. Pramila	-	Hindi
Ms. Gitanjali Dey	-	History	Ms. Anu Chhabra	-	Mathematics
Ms. Poonam Sarohe	-	Mathematics	Ms. Laxmi	-	Mathematics
Mrs. Anu Jain	-	Mathematics	Ms. Mansi Gupta	-	Philosophy
Ms. Mohini Arya	-	Sanskrit	Mr. Dolamoni Arya	-	Sanskrit
Ms. Rashmita Bahera	-	Political Science	Ms. Pinki Maura	-	Political Science
Ms. Seema Singh	-	Political Science			

Honours/Distinctions

Dr. Pushpa Gupta: Chosen for 'Rising Personalities of India' Award and Gold Medal by International Penguin Publishing House.

Selected for inclusion in Asian/American *Who's Who* (Vol. VII) and in Asia/Pacific *Who's Who* (Vol. IX).

Dr. Savitri Gupta: Awarded the Sanskrit Samaradhak Samman by the Sanskrit Academy.

Seminars/Conferences attended

Dr. Pushpa Gupta: Presented a paper at the 44th Session of the All India Oriental Conference, in Kurukshetra.

Dr. Veena Gautam: Participated in the National Conference in Amalner titled 'Hindi Rastreeya Sangoshthi Karyalaya Hindi Anuvad Tatha Shod Pravidhi', 9-11 February 2009.

Dr. Raj Nangia, Department of Commerce: Presented a paper titled 'Disclosure Practices of Private Corporate Sector', 61st All India Commerce Conference of the India Commerce Association, Nagpur, 27-29 December 2008.

Dr. Lata Sharma: Presented a paper on 'Implications of e-Commerce Transactions for Direct Taxation', 31st All India Accounting Conference, 22-23 November 2008.

Dr. Anita Malhotra: Presented a research paper titled 'Nutritional Status and Dietary Intake of Rural Adolescent Girls in Selected Blocks of North India', 15th International Conference of Dietetics, Yokohama, Japan, 8-11 September 2008.

Publications

Sharma, L. 'New Challenges of Accounting and Auditing in e-Environment in India'. RevistaUniversoContabil.Online.<http://proxy.furb.vr/ojs/index.php/universocontabil/index>. January-March 2009.

Malhotra, A. 2008. 'Transgressing Health'. *Consumer Voice*, 9(12): 11-3.

2009. 'Functional Foods: Fad or Health'. *Consumer Voice*, 10(2): 23-5.

Kaushik, S. 2009. *Fitness, Aerobics and Gym Operations*. Delhi: Khel Sahitya Kendra. Delhi.

2009. *A Practical Workbook to Fitness Aerobics and Gym Operations*. Delhi: Khel Sahitya Kendra.

MAHARAJA AGRASEN COLLEGE

Special Grants/Assistance/Projects

A grant of Rs. 1,00,000.00 from UGC for a two-day UGC-sponsored National Seminar on 'Recent Researches in Physical Education and Sports', under the aegis of the Department of Physical Education and Sports.

A grant of Rs. 1,00,000 from UGC for a two-day National Seminar on 'The challenges faced by Hindi, The National Language', under the aegis of the Department of Hindi.

A grant of Rs. 1,30,000 from UGC for a three-day National Seminar and Workshop on 'Integrating multiple technologies to support teaching and learning', under the aegis of Department of Electronics.

Dr. Subodh Kumar: Department of Political Science, received a research grant from ICSSR for the publication of his doctoral work.

Library Development

Total Budget : Rs.6,00,000.00
Books added : 712

New addition

Ms. Shilpa Gupta - English

Appointment of faculty Members to higher Posts/Assignments

Dr. Prem K. Srivastava as Fellow, English, ILLL.

Dr. Amit Pundir as Associate Coordinator, ILLL.

Dr. Vandana Soni as Fellow, Chemistry, ILLL.

Honours/Distinctions

Dr. Anju Aggarwal: Awarded for her paper on 'Women and Environmental Politics' by American Political Science Organization, Georgia University.

Dr. Prem K. Srivastava: Awarded for her translation of Mahadevi Verma's short story 'Gillu'.

Seminars/Conferences held

UGC-sponsored National Seminar was conducted on 'Recent Researches in Physical Education and Sports', under the aegis of the Department of Physical Education and Sports, 5-6 November 2008.

UGC-sponsored National Seminar and Workshop on 'Integrating multiple technologies to support teaching and learning', conducted under the aegis of Department of Electronics, September 2009.

Seminars/Conferences attended

Dr. Anju Aggarwal: Invited to speak on 'Role of women in promoting communal harmony' by All India Women's Conference.

Dr. Prem K. Srivastava: Presented papers at the International Conference organised by the All India English Teachers Conference and a UGC National Conference.

Dr. Abha Mittal: Presented a paper at the National Conference organised by Indian Commerce Association and UGC.

Attended a National Conference of The Indian Society of Labour Economics, Golden Jubilee Conference, Lucknow, 13-15 December 2008.

Presented a paper on 'The Economic Policy of Jawahar Lal Nehru', at the 91st Annual Conference of Indian Economics Association at Udaipur, 27-29 December 2008.

Presented a paper on 'The Inclusive Growth in the Hilly Region of Uttarakhand', National Conference on Inclusive Growth of Uttar Pradesh at Kanpur, 9-10 January 2009.

Ms. Priyanka Katya: Attended a UGC National Seminar on 'India 2050: The Growth Potential'.

Ms. Anu Jaidev: Presented a paper titled 'The uses of historiography', at UGC National Seminar, Dharamshala.

Dr. Sushil Yadav and Dr. Awadesh Mishra: Participated in Pre ICM, International Conference on Mathematical Sciences 2008, Delhi University.

Dr. Nibedita Swain: Attended a UK Open University Workshop on 'Blended Learning' and International Symposium on Microbial Biotechnology, organised by Delhi University.

Publications

Aggarwal, A. 2008. 'Globalization and Women in South Africa'. *Indian Journal of African Studies*.

2008. 'Women and Environmental Politics' American Political Science Organization at Georgia University.

Kumar, N. 2008. 'India: A failed Developmental state'. In *Democracy, Development and Discontent in South Asia*, (eds) Kukreja, V. and Singh, M.P. New Delhi: Sage Publications.

Mittal, A. 2008. Macro Economics for Honours (3rd edn). Delhi: Taxmann, Delhi.

2008. *Micro Economics* (for B.Com. pass course and BA Programme). Delhi: Taxmann.

2008. *Micro Economics for Honours*. Delhi: Taxmann.

Pandey, P. 2008. 'Development of Low Size Dispersion, High Volume Fraction and Strong Quantum confined CdS_xSe_{1-x} Quantum Dots Embedded in Borosilicate Glass Matrix and Study of their Optical Properties'. *Advanced Materials Research*, 31: 161.

2008. 'A Novel Method for the Estimation of Surface Recombination Velocity of Polycrystalline CIGS Solar Cell'. *Synthesis and Reactivity in Inorganic, Metal-Organic and Nano-Metal Chemistry*, 38(2): 136.

2008. 'Growth Dynamics of II-VI Compound Semiconductor Quantum Dots Embedded in Glass Matrix'. *International J. Nanoscience*, 7(2): 151.

2009. 'Study of Optical Absorption and Photoluminescence of Quantum Dots of CdS formed in Borosilicate Glass Matrix'. *Physica Scripta*, 79(6): 065601.

2009. 'Two-Photon Absorption in Quantum Dots of CdSxSe1-x using Open Aperture Z-Scan and Femtosecond Laser'. *Nano (Nano)*, 4(1): 23.

Sharma, D. 2008. 'Consumer Grievance Redressal: Research Bibliography', *NICE Journal of Business*, 3(1 & 2): 103-9.

Singh, S. 2008. *Bhasha Vigyan/ Hindi Bhasha*. New Delhi: Satish Book Depot.

Srivastava, P.K. 2008. *The English Story. Confluence: South Asian Perspective*.

2008. 'In angst and mental despair: Virginia Woolf's *Mrs. Dalloway*'. International Conference on Health and Psychology.

British Popular Fiction in Indian Classrooms. *Literary Paritantra*.

Yadav, R.K. 2008. *Audio visual and Hindi Bhasha*. New Delhi: Satish Book Depot.

MAITREYI COLLEGE

Major Activities

Maitreyi College organised a Workshop on 'Online Assignment and Examination' for the teachers of South Campus colleges in January 2009. The lessons prepared in the Workshop are being uploaded on the website for the benefit of the students of Delhi University and various distance learning universities. The annual festival 'Rhapsody' received applause from the College faculty as well as students, with active participation from different colleges. Foreign students of the college organised an awareness programme reflecting the culture of their countries. Also, college in the collaboration with International Network for Prevention of Elder Abuse and Development, Welfare and Research Foundation, organised the observance of International Day of Older Persons in September 2008.

New Course introduced

A Post-Graduate Diploma in Nano-technology.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Nidhi Tanwar	B.Sc. (Prog.) Physical Science	I
Sujata Kar	B.Sc. (Prog.) Life Science	I
Simi Mehta	B.A. (Hons.) Political Science	I
Swati Singh	B.Sc. (Hons.) Maths	II
Preeti Verma	B.A. (Hons.) Sanskrit	II
Nidhisha Lohia	B.Com. (Prog.)	II
Priyanka Sahni	B.Sc. (Hons.) Maths	III
Jaya Wason	B.Sc. (Prog.) Life Science	III
Pooja Dhawan	B.A. (Hons.) Sociology	III

Special Grants/Assistance/Projects

Awarded to the College

Development Assistance XI Plan.	Rs.4, 35, 000.00
Special Grants for OBC.	Rs.3,18,00,000.00

Awarded to individual teachers

Major Research Project undertaken by Dr. (Mrs.) Yamini Gautam, Department of Hindi during X Plan.	Rs.2,02,240.00
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Library Development

Total Budget	:	Recurring	Rs.4,23,883.00
		Non-recurring(OBC)	Rs.5,00,000.00
		Development Assistance (XI Plan)	Rs.75,000.00
		Grand Total	Rs.9,98,883.00
Books added	:		1,990
Total Library Collection	:		81,506
Journals subscribed	:		78

New Additions

Dr. Renu Gupta	- Zoology	Ms. Brototi Roy	- Zoology
Dr. Rama Sisodia	- Botany	Dr. Atika Chandra	- Botany
Dr. Shalini Lumb	- Physics	Dr. Swapna Ray Jain	- Physics
Ms. Polly Biswas	- Physics	Ms. Tianla	- English
Ms. Rachna	- English	Mrs. Veena Ghuriani	- Computer Science
Dr. Saroj Rani	- Economics	Ms. Priti Mendiratta	- Economics
Ms. Shipra	- Physical Education	Ms. Geetan Khurana	- Mathematics
Dr. Meena Yadav	- Zoology	Ms. Sonal Khanna	- Commerce
Ms. Shaifali	- Commerce	Ms. Jyotsna	- Commerce

Honours/Distinctions

Dr. Savita Datta: Awarded a Fellowship by the Commonwealth Educational Media Centre for Asia for a study tour of various Open Universities in Singapore and Malaysia in May 2008.

Dr. Shakuntala Kalra: Awarded the Sumitra Nandan Pant Award by *Bal Prahari Patrika*, Almora (Uttarakhand), for Children's Literature in June 2008.

Conferred the Bal and Kishore Sahityakar Samman by Hindi Academy, Delhi Govt., for Children's Literature in July 2008.

Awarded the Manohar Singh Mehta National Award by *Balvatika Patrika*, Bhilwara (Rajasthan) in September 2008.

Awarded the Shrimati Sulekha Bhalla National Award by *Apna Bachpan* in February 2009.

Dr. Mala Kapur Shankardass: Nominated Fellow of the World Demographic Association and invited by UNFPA and the Israel University to deliver talks at the World Ageing Generations Conference held at St. Gallen, Switzerland, August 2008.

Seminars/Conferences attended

Dr. Savita Datta: Organised the Third Supported Blended Learning Workshop in association with the Open University, UK, at Milton Keynes in June 2008.

Delivered a talk titled 'Delhi University and The Open University UKIERI Supported Blended Learning Project' in Going Global 3 – the UK's largest International Education Conference, organised by the British Council in UK in December 2008.

Participated in 'English for Progress – 2nd Policy Dialogue', organised by the British Council in Kolkata in November 2008.

Organised the Fourth Supported Blended Learning Workshop in association with the Open University, UK, at Delhi University in February 2009.

Organised a Workshop for College Principals in partnership with the Open University, UK, under UKIERI Programme in February 2009.

Invited a Special Guest Speaker and delivered a talk on 'Expansion and Collaboration', in the session on 'India on the high growth trajectory for international education', organised by the Australian Trade Commission at the Australian High Commission in February 2009.

Dr. Shashi Tiwari: Invited as a distinguished representative to participate in and deliver a talk titled 'Views on Gratitude and Praise in the Hindu Tradition', in the four-day Conference organised by the Thanksgiving World Foundation, Dallas, TX, USA, in July 2008.

Presented two papers on 'Ancient Indian Ecology for Global Welfare' and 'Education of Upanishads for Technology Institutes', Seventh International Conference of WAVES at Orlando, Florida, USA, in June 2008.

Dr. Shakuntala Kalra: Participated in the International Conference on Ramayana held in Mauritius. Presented a Research Paper on 'Tulsidas Ramayana, The answer to value crisis facing the modern age' in August 2008.

Participated in the VII International Hindi Utsav and presented a Research Paper on 'Relevance of Tulsidas, (Tulsidas ki Prasangikta), in December 2008.

Participated in National Seminar on Children's literature at Kausani in June 2008, and the National Seminar on Children's Literature at Bhilwara in September 2008.

Dr. Shashi Tiwari: Presented papers and chaired sessions in three International Conferences organised at India International Centre, Delhi, by Kalaikoodam (August 2008), Saraswati Research and Education Trust (October 2008) and ICIH (January 2009).

Organised the XII India Conference of WAVES with International participation on 'Harappan Civilization and Vedic Culture', New Delhi, December 2008.

Participated in a National Symposium on 'Science in India- Past and Present', at the National Centre for History of Science, O.R.I., University of Mysore, and presented a paper on 'Origin of Environmental Sciences from Vedas', in April 2008.

Attended the XLIV session of the All India Oriental Conference and presented paper on 'Ayu and Yagya ka Sambandha', at Kurukshetra in July 2008.

Presented papers in the National Conferences organised by the Delhi Sanskrit Academy, Veda Sansthan (April 2008) and Bharati College, Delhi University, August 2008.

Mr. Pardeep Rai: Participated in the International Conference of Asian Special Libraries (ICoASL 2008) on 'Shaping the Future of Special Libraries: Beyond Boundaries', New Delhi, November 2008.

Dr. Kiran Sehrawat: Participated in and presented two papers each in the National Conference on Semiconductor Materials and Technology – NCSMT 2008, held at GKV, Haridwar, India, in October 2008 and National Conference on Recent Trends in Material Sciences in February 2009.

Dr. Neelima Rani, Dr. Kiran Sehrawat, and Dr. Ritu Dhingra: Attended the National Seminar on 'Physics in Quest of Alternative Sources of Energy', at Moti Lal Nehru College, Delhi University, in December 2008.

Dr. Sadhana Pandey, Dr. Poonam Juneja, Dr. Kiran Sehrawat, Dr. Ritu Dhingra and Dr. Shalini Lumb: Attended the National Symposium on 'Indian Physics and Mega Projects – Research on the Frontiers', organised by DSKC at Miranda House, Delhi University, February 2009.

Dr. Rajkumari Trikha, Reader in the Department of Sanskrit: Presented a Research Paper on 'Management Techniques in the Mahabharat' in the All India Oriental Conference organised by Bhandarkar Oriental Research Institute in Kurukshetra in July 2008.

Publications

Tiwari, S. 2008. *Muktak-khanda, Vol. 21, Sanskrit Sukti Samuccaya* (In Hindi, English and Sanskrit). Delhi: Delhi Sanskrit Academy, p. 421.

2008. *Contemporary World Order- A Vedic Perspective* (Edited in English).

Kalra, S. 2008. 'ATMA NIRVASAN' Kahani Sangraha and 'YATRA' Kavita Sangraha.

Anand, A. 2008. *Laboratory Manual for Environmental Chemistry*. I.K. International Publishers.

Trikha, R. 2008. 'Mahabharat mein Vigyan, Darshan and Samaj'.

Communications to Symposia/Seminars/Conferences

Datta, S. and Allen, Richard 2008. 'The Value of New Technology and Collaboration in Extending Capacity and Widening Participation', presented at the PCF5 Conference in London.

MAHARSHI VALMIKI COLLEGE OF EDUCATION

Major Activities

Maharshi Valmiki Jayanti was marked with a special address on 17 November 2008 by Prof. Sunil Kumar (IQF) on the theme 'Know yourself first and change yourself – The Success formula'.

Prof. Girishwar Mishra, Department of Psychology, Delhi University, spoke on 'The Need to know oneself and grow for character building'.

In the same series, Mr. David Macclaund, Universal Peace Foundation, made an audio visual presentation on 'Character building for Peace initiatives' followed by an interactive session with the students.

The last in the series was an inspiring lecture by Prof. Gurmeet Singh, Proctor, Delhi University, on 'Building Scientific Attitude through Positivity'.

Student Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Hardish Kaur	B.Ed.	II

Library Development

Total Budget	:	Rs.3,55,393.00
Books added	:	626
Journals subscribed	:	18

Honours/Distinctions

Dr. Prabhjot Kulkarni, Principal: Resource Person Syllabus for Heritage Crafts, CBSE, New Delhi, May 2008.

Dr. Parmesh Kr. Sharma, Sr. Lecturer: Visiting Fellow, Department of Education, University of Lucknow, under the UGC SAP DRS Phase I scheme, 21-27 February 2009.

Seminars/Conference held

A Science Seminar and display of stalls/information was organised on the topic 'Alternative Systems of Medicine', January 2009.

Seminar on 'The Educational Philosophy of Sri Guru Nanak Dev', in collaboration with Delhi Minorities Commission, Govt. of NCT Delhi, February 2009.

Seminar/Conferences attended

Dr. Ila Mehrotra, Reader: Workshop titled 'A study on classroom transaction of Science and Mathematics textbooks at upper primary, secondary and higher secondary stages in light of NCF-2005', NCERT, New Delhi, 16-20 March 2009.

Dr. Gopal Rana, Reader and General Secretary AIATE: 7th International and 9th National Conference on Teacher Education in India-Contemporary Scenario, Shambhu Dayal College, Gaziabad, 29-30 December 2008.

Dr. Vandana Gupta, Lecturer: Delhi Sustainable Development Summit: 'Climate Changes: perspective from the change maker in business', by TERI University, 5-7 February 2009.

MATA SUNDRI COLLEGE

Major Activities

The year 2008-2009 has been an eventful year of laudable achievements with significant progress in the field of research, academic, sports, curricular and extra curricular activities. The College has a placement cell and a number of students were placed with multinational companies.

New Courses/Subjects Introduced

English language proficiency course

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Gurpreet Kaur	M.A. (Punjabi)	I
Ms. Gagandeep Kaur	B.A. (Hons.) Punjabi	I

Library Development

Books added : 1,064
Journals and Periodicals subscribed : 62

Seminars/Conferences attended

Dr. Mallicka Mishra : A Seminar titled 'Sri Guru Granth Sahib Ji, A unique Scripture', was organised during February 2009. Eminent professors of Delhi University presented papers.

Mata Sundri College in collaboration with the Delhi Minorities Commission and Har Ustat Foundation Society, organised a Seminar on 'Education in women belonging to minorities', 27 March 2009.

Dr. (Mrs.) Satnam Kaur: Appointed Jury member of the 8th Doordarshan National awards in the category of 'Best Promos', 25-29 August 2008.

Mrs. Indu Mazaldan: Presented a paper on 'Translating Hungarian literature into Hindi', at the Indo-Hungarian Seminar held in November 2008'.

Mrs. Gurjit Kaur: Presented a paper on 'Punjabi short stories' in the National Seminar at Dayal Singh College, 10 December 2008.

Mrs. Radhika Menon: Presented a paper at the Institute of Education, London, on 'Middle class negotiations of schooling and education in Metropolis Delhi'.

Delivered an introductory lecture at the Conference of Uttarakhand and Srijnatmak Adhyapak at Munsiyari, Pithhoragarh, held in association with SCERT on Sociology of creativity.

Publications

Chatterjee, C. 2008. Published a research paper 'A Post Colonial Reading of Anita Desai', in *New Orientation Critical Perspective*.

Mazaldan, I. 2008. Trans. of Hungarian Novel Azajto by Szabo Magda. Delhi: Vani Prakashan.

Sharma, R. 2008. 'Hind Swaraj, Ek Amulya Darshan', in *Panchva Stambh*. Delhi.

Kumar, G. 2008. 'Interplay of Management Control and employee Agency in call centres'. *Indian Journal of Industrial Research*.

Menon, R. 2008. Review of 'Education for all', Report in contemporary education Dialogue Spring.

'The Bogey of Public Private Partnerships in education', *Nai Peedhi*, JLEPS.

Gossain, Y. 2009. (Co-author) 'Revisiting the concept of Giftedness and its status in Post modern era'. *Journal Gifted education international*.

MIRANDA HOUSE

Major Activities

The college launched the D.S. Kothari Centre for Research and Innovation in Science Education (DSKC) with a grant of Rs. 3.1. crore from the Department of Science and Technology. State-of-the-art laboratories were set up and throughout the year, including during vacation time, undergraduate students participated enthusiastically in workshops

and research projects. DSKC also organised a summer school and teacher training workshops for use of ICT in education and sensor based real-time measurements. The highpoint of the year was the national symposium, 'Indian Physics and Mega Projects: Research on the Frontiers', wherein a diverse group of students and faculty from across the city packed the auditorium to hear twenty-five top scientists in the country speak on some of the most complicated concepts in physics without using a single mathematical equation.

New Courses introduced

New Add-on courses introduced:

Television Journalism.

Bhasha Setu, a translation course in English-Hindi-English.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Divya Khattar	B.A. (Hons.) History	I
Ms. Priyanka Nupur	B.A. (Hons.) Sociology	I
Ms. Shreya Dasgupta	B.Sc. (Hons.) Zoology	I
Ms. Vidya Raja	M.A. Music	I
Ms. Subhasweta Banik	M.Sc. Anthropology	I
Ms. Anshika Lumb	M.Sc. Chemistry	I
Ms. Deepika Rose Alex	B.A. (Hons.) Sociology	II
Ms. Soumya Rastogi	B.A. (Hons.) Mathematics	II
Ms. Sonakshi Sinha	B.A. (Hons.) History	III
Ms. Neha Kaushik	B.A. (Hons.) Philosophy	III
Ms. Mahima Chandra	B.A. (Hons.) Sociology	III
Ms. Priyashree Roy	B.Sc. (Hons.) Physics	III
Ms. Ajeeta Longjam	B.Sc. (Hons.) Zoology	III
Ms. Pallavi Nanda	B.Sc. (Hons.) Mathematics	III
Ms. Kavita Agarwal	M.A. Philosophy	III
Ms. Punita Dhawan	M.Sc. Chemistry	III
Ms. Jaspreet Kaur	M.Sc. Anthropology	III

Research Projects

Dr. Rekha Kumari was awarded the BOYSCAST Fellowship 2008-09 of Rs. 16.80 lakh from the Department of Science and Technology to work on Biosensors at the University of Lausanne, Switzerland.

Dr. Monika Vij, Department of Geography, received a travel grant of Rs. 48,700 from the University Grants Commission for the 29th Asian Conference on Remote Sensing (ACRS) 2008 held in Colombo, Sri Lanka, 10-14 November 2008.

Dr. Abha Dev Habib, along with collaborators Professor M. Sami, Dr. Sanjay Jhingan and Dr. Deepak Jain, received a research grant of Rs. 25,00,000 for the project titled 'Models of Dark Energy: Theory and Observations from the Department of Science and Technology.

Dr. Shampa Roy was a recipient of the Charles Wallace Trust Grant-in-Aid in May-June 2008 which allows postdoctoral scholars to travel to the United Kingdom for research work.

Library Development

Total Budget	:	Rs.10,40,000
Books added	:	1,244
Journals subscribed	:	115

New Additions

Ms. Seema Rani	-	Sanskrit	Ms. Neetu Rana	-	Ele. Edu.
Ms. Madhu Bala	-	Sanskrit	Dr. Shweta	-	Philosophy
Ms. Hena Singh	-	Political Science	Dr. Sadhna Sharma	-	Zoology
Ms. Anjana Singha	-	Zoology	Ms. Anuradha Khattar	-	Computer Science
Ms. A.R. Sitalakshmi	-	Ele. Edu.	Ms. Upali Chakravarti	-	Ele. Edu.
Ms. Sunita Meena	-	Economics	Ms. Simmi Valechha	-	Philosophy
Dr. Shweta Sachdeva	-	English	Dr. Alka Saharan	-	Philosophy
Ms. Priyanka Puri	-	Geography	Ms. Nutan Rani	-	Chemistry
Dr. Kalawati Saini	-	Chemistry	Ms. Meetu Bhatia	-	Mathematics
Ms. Bhawna Bansal	-	Mathematics	Ms. Ashu Threja	-	Ele. Edu.
Ms. Daulti Rani	-	Mathematics	Ms. Pushpa Kumari	-	Political Science
Dr. Barnali Biswas	-	Ele. Edu.	Ms. Rekha Badsiwal	-	Ele. Edu.

Appointment of faculty members to higher Posts/Assignments

Dr. Pratibha Jolly: Selected for the 2009-10 Fulbright New Century Scholars Programme.

Appointed as an International Consultant by Education Consultants India Ltd. (EDCIL), Government of India.

Honours/Distinctions

Dr. Pratibha Jolly: Re-elected Chairperson of the International Commission on Physics Education, Commission 14 of the International Union of Pure and Applied Physics.

Dr. Nisha Bala Tyagi: Included in the list of Leading Philosophers of the World 2009, sponsored and administered by IBC, UK.

Dr. Rekha Kumari: Awarded the BOYSCAST Fellowship 2008-09.

Seminars/Conferences held

Miranda House was a joint host for an intensive interactive Indo-Dutch Collaboration Programme on Management and Cultural Context, organised by Delhi University and the Utrecht Business School, Hogeschool Utrecht University of Applied Sciences the (Netherlands), October 2008.

In February 2009, under the aegis of the D.S. Kothari Centre for Research and Innovation in Science Education at Miranda House, the Department of Physics organised a pathbreaking two-day National Symposium titled 'Indian Physics and Mega Projects' : Research on the frontiers to showcase the cutting edge contribution by Indian physicists to mega scale international research projects. Speakers included those from the top national research institutes, amongst them three directors and a key woman physicist from CERN, Geneva.

Seminars/Conferences attended

Ms. Roma Debabrata: Attended as a Delegate and Resource Person, South Asia Forum Regional Preparatory Consultation for The World Congress III Against Sexual Exploitation of Children and Adolescents, organised by ECPAT International, Kathmandu, Nepal, 27-29 August 2008.

Attended as a Delegate, World Congress III Against Sexual Exploitation of Children and Adolescents at Riocentro Exhibition & Convention Center, Rio de Janeiro, Brazil, 25-28 November 2008.

Dr. Pratibha Jolly: Presented a paper titled 'The International Commission on Physics Education (ICPE): Envisioning global missions and action networks' in a special seminar designed to create international linkages between various Physics Education Organisations at the GIREP 2008 International Conference on Physics Curriculum Design, Development and Validation and 13th Workshop on Multimedia in Physics Teaching and Learning held at the University of Cyprus, Nicosia, Cyprus, 18-22 August 2008.

Delivered the Plenary Talk 'Transforming Classrooms, Teaching and Student Learning at the Tertiary Level', at ICWIP 2008, the 3rd IUP AP International Conference on Women in Physics 2008, Seoul, Korea, 8-10 October 2008.

Participated in the 26th General Assembly of International Union of Pure and Applied Physics as the serving Chair of the International Commission on Physics Education (ICPE), a Commission of the International Union of Pure and Applied Physics (IUPAP); and as Vice President, IUPAP, at the IUPAP Executive Council, Tsukuba, Japan, 12-18 October 2008.

Participated in her capacity as the Co-Director and resource person in PHYSWARE: A Collaborative Workshop on 'Low-Cost Equipment and Appropriate Technologies that Promote Undergraduate Level, Hands-on Physics Education throughout the Developing World', held at the Abdus Salam International Centre for Theoretical Physics, Trieste, Italy, 16-27 February 2009.

Ms. Roma Debabrata: Presented a paper on 'Status of Implementation of SAARC Convention in India' at an inception Meeting of the Regional Coordination Group on Strengthening Advocacy and Regional Coordination, organised by the International Organization for Migration (IOM), Bangladesh, 17 August 2008.

Dr. Anjeel Kaur: Attended an International Seminar on 'Aadhunik Puryabi Sahit: Paar Rashtriya Samvad', organised by the Department of Punjabi, Delhi University, 15-16 January 2009.

Ms. Ravinder Jha: Attended a Seminar on 'Advanced Technical Briefing Seminar on Medicine Prices, Availability and Price Regulation', organised by WHO/Hal, 10-14 November 2008.

Ms. Hena Oak: Presented a paper in the Second International Congress of Environmental Research organized by Birla Institute of Technology and Science, Pilani (Goa Campus), in collaboration with *Journal of Environmental Research and Development*, Goa, 18-20 December 2008.

Ms. Madhu: Attended International Seminar on 'Hind Swaraj: 100 Years', 11-13 February 2009.

Dr. Snigdha Singh: Presented a paper titled 'Viewing Human Resource Development and Gender: A Historical Perspective', at an International Workshop on 'Globalization and Human Resource Development', organised by M.G. Labour Institute, Ahmedabad, 6-8 November 2008.

Dr. Nisha Bala Tyagi: Attended an International Seminar on 'Hind Swaraj: 100 Years', 11-13 February 2009.

Dr. Nisha Bala Tyagi, Dr. Pratibha and Dr. Raj Verma Sinha: Attended an International Seminar on Mainstream Women in Work and Political Process: Issues, Challenges and Way Forward, Delhi University, 5 November 2008.

Dr. Nisha Bala Tyagi: Attended an International Conference on Peace and Action, Jaipur (7ICPA), 11-12 November 2008.

Mrs. Reena Kannojiya: Attended a Seminar on 'Reality Consists of Events not Things: Process Philosophy, Social Responsibility, and the Indian Traditions' by Philip Clayton, Claremont Graduate University, US, at the Centre of Philosophy, Jawaharlal Nehru University, Delhi.

Attended International Philosophy Day, a National Seminar on Philosophy and Aesthetic Experience', at the Department of Philosophy, Delhi University, 20 November 2008.

Mrs. Simmi Valechha: Participated in an International Seminar on 'Hind Swaraj: 100 Years', 11-13 February 2009.

Dr. Ritu Ahlawat and Ms. Priyanka Puri: Attended International Conference on Biodiversity, Environment and Sustainability Challenges for Future, 4-6 September 2008.

Ms. Priyanka Puri: Presented a paper titled A Medical Geography Analysis of Endemic Distempers and Inundative Vectorism: Malaria Epidemiology in the Thar Desert at the International Conference on Biodiversity, Environment and Sustainability: Challenges for Future, 4-6 September 2008.

Dr. Shashi Aggarwal, Ms. Ritu Gupta and Ms. Meetu Bhatia: Attended the Pre-ICM International Convention on Mathematical Sciences, 18-20 December 2008.

Dr. Dinaz Mirchandani: Participated in an International Dialogue on Citizenship and Civil Education: Pedagogy, Process, Practice, 12 February 2009.

Dr. Jayashree Pillai: Attended a seminar on 'Canada-India Relations in the New Millennium' at India Habitat Centre, organised by Indo-Canadian Shastri Institute, 23-24 April 2008.

Participated in the Delhi University-Open University UK Project conducted under the UK - India Research Initiative, Supported Blended Learning workshops, 3-7 November 2008.

Ms. Pushpa Kumari: Participated in an International workshop on Urban Informal Sector under UGC Area Study Programme of DCRC, organised by DCRC, Delhi University, 31 January 2009.

Dr. Rekha Kumari: Participated in the International Symposium on Emerging Trends in Tuberculosis Research: Biomarkers, Drugs and Vaccines, ICGEB, New Delhi, 1-3 December 2008.

Participated in the 49th Annual Conference of the Association of Microbiologists of India at Delhi University, 18-20 November 2008.

Mrs. O.P. Padma: Attended an International Leadership Conference at IICC, New Delhi, organised by Universal Peace Federation of India, 27 December 2008.

Ms. Anuradha Mathur: Attended an International Conference of Asian Special Libraries (ICoSLA 2008) on Shaping the future of special libraries: Beyond boundaries, at India Islamic Culture Centre, New Delhi, 26-28 November 2008.

Attended the DELNET Annual lecture on 'Libraries and Global Technology Forecast' by Stephen Abram, President, Special Libraries Association (SLA), USA, at India International Centre, New Delhi, 28 November 2008.

Ms. Sharmila Purkayashta: Invited to speak at the seminar on 'Various Strands of Nationalism in Tagore's *Home and the World*', 1 December 2008.

Dr. Archana Verma and Dr. Rajni Disodia: Participated in the annual conference of Hindi magazine *Hans*, 31 July 2008.

Ms. Chanda Sagar: Attended a seminar on 'Hindi Sahitya Ka Punarlehkhan', September 2008.

Ms. Roma Debabrata: Presented a paper on 'Trafficking in Persons in Indian Context' in a State-level consultation meet on Trafficking of Women and Children, organised by Women Action for Development in Manipur, 10 October 2008.

Presented a paper and presided over two sessions in a two-day workshop on 'Prevention of Trafficking of Women and Children', organised by Women and Child Resource Centre, Jaipur, Rajasthan, 23-24 December 2008.

Dr. Anjeel Kaur: Participated in a Seminar on 'Galap -Vidhi Chetna-Vibhin Pasaar', 10 December 2008.

Ms. Meeta Kumar: Attended a workshop on 'Rules of Pasture under the Scheduled Tribes and other traditional Forest Devellers Act, 2006', 27 November 2008.

Dr. Snigdha Singh: Presented a paper titled 'The Predominance of Women Donors at Mathura's Ancient Sanctuaries-A Study of Early Historical Votive Inscriptions (2nd century BCE-2nd century CE)'.

Dr. Shweta: Participated in a ICPR-sponsored seminar on 'Aesthetics and Indian Sensibility', 19 November 2008.

Participated in a ICPR-sponsored seminar on 'Process Philosophy, Social Responsibility and the Indian Transitions' by Professor Philip Clayton, 12 January 2009.

Mrs. Simmi Valechha: Attended a Seminar on 'Mainstreaming of women in work and political process: Issues, challenges and way forward', 5-7 November 2008.

Ms. Priyanka Puri: Attended a two-day seminar on 'Planet Earth' organised by the Department of Science and Technology, Government of India, 9-10 May 2008.

Ms. Meetu Bhatia: Participated in the Research Scholars' Seminar organised by UGC-DRS (SAP) programme, 31 March-2 April 2008.

Dr. Reema Bhatia: Presented a paper titled 'Declining Sex Ratio - Challenges Ahead', at the XXXIV All India Sociological Conference.

Dr. Pratibha Jolly: Delivered a plenary talk titled 'A lab of their own: Empowering young women to be scientists', on the theme 'Women in Science and Technology', at the JCWE Jubilee Conference on Women's Education: Vision and Mission of Women's Universities in a Global Society, held at Banasthali University, Rajasthan, 11-13 November 2008.

Dr. Pratibha Jolly, Dr. Mallika Verma and Dr. Monika Tomar: Organised a National Symposium 'Indian Physics and Mega Projects: Research on the Frontiers', 2-3 February 2009.

Dr. Sunita Ahuja, Dr. Kiran Kapoor and Dr. Bani Roy: Attended the National Symposium on 'Indian Physics and Mega Projects: Research on the Frontiers', 2-3 February 2009.

Dr. Janaki Subramanyan: Participated in the Symposium on Indian Science and the Global Context, INSA Platinum Jubilee Celebration, IIT Delhi, 10 January 2009.

Dr. Tanima Bose: Attended the International Congress on Bio-immunoregulatory Mechanisms associated with Reproductive Organs: Relevance to Fertility and Sexually Transmitted Infections, organised by the National Institute of Immunology, New Delhi, 9-13 February 2009.

Mrs. O.P. Padma: Participated in a National Seminar on 'Recent Researches in Physical Education & Sports', 5-6 November 2008.

Ms. A.R. Sitalakshmi: Attended a Seminar for Science Educators, Central Institute of Education, 16 December 2008.

Ms. Upali Chakravarti: Presented a paper titled 'Social Context of Disability and Care giving' in a conference on Disability, Gender & Society: Contemporary Perspectives & Challenges, August 2008.

Publications

Books

Verma, A. *Asmita Vimarsh Ka Stree Swar.*

Bhatia, K. *Kavya Sangreh Kisi Navjat Subah Ka Intjaar.*

Chakravarty, S. *Bangia Upannyas e 1857 r Bidroho.* (Revolt of 1857 in Bengali Novels).

Rustagi, U. Vidurnitih, 2009. The book was translated in English with an exhaustive introduction.

Chadha, R. 2008. 'Big Generals in Little Kingdoms: The Portuguese Settlements of Chittagong and Sandwip, 1530-1640', in Sharma Y. and Ferreira J.L. (eds.), *Portuguese Presence in India during the Sixteenth and Seventeenth Centuries.* New Delhi: Viva Books.

Rana, A., Kumari, S and Kaushik, S. 2008. *Fitness, Aerobics and Gym Operations,* New Delhi: Khel Sahitya Kendra.

Research Articles in Books or Scholarly Journals

Joshi, S. 2008. 'Forging Space for Women: Sharadaben Mehta's Life and Times', Introduction to *Reminiscences: The Memoirs of Sharadaben Mehta.* Delhi: Zubaan.

Verma, A. Editor of *Kathadesh* and edited various articles, April 2008.

Article on poet Swayamprakash in *Banas*, Literary magazine.

Article on Udayaprakash in *Samvaad.*

Article on Mannu Bhandari in *Kathadesh.*

Article on Rajesh Joshi in *Shabdyog.*

Disodia, R. 2009. 'Sanvidhan Ki Jarurat'. *Jansatta*, 4 January 2009.

2008. 'Jab Majhi Nav Duboye', *Jansatta*, 27 July 2008.

2008. Pratibha aur Aarakshan. *Apeksha*, July-September 2008.

2008. (a short story). 'Aur Yogamaya Jeet Gai' *Apeksha*, April-June 2008.

- Bhatia, K. 2008.** 'Kavitanye' *Shukarvaar* magazine, 31 August and 14 November 2008.
'Kuchh Kavitayen' in *Vashya Sammelan*, December 2008.
- Arora, R.** A chapter of LLC for Institute of Life Long Learning.
- Kaur, B. 2008.** 'Stree aur Goan ki Kahaniyaan, *Kathakaram*, April-June 2008.
Interview with Rajendra Yadav and Archana Verma on Yuva Kahaniyaan in *Kathakarm*, July-September 2008.
Review, 'Samay Ke Dabavo Se Jujhati Kahaniyaan', in *Hans*, October 2008.
Review, 'Imam Bukhari Ka Napkin'. *Hans*, November 2008.
Discussion in *Muskurati Aurten* published by Samyik prakashan Stree arthik Svatanttra Swapn aur Yyatharth.
- Rustagi, U. 2008. (ed.)** *Prahlad Smarka Vaidika Vyakhyamala*. Delhi: J.P. Publishing House.
'Who the Terrorist?' in *Rashtriya Sahara*.
- Chakravarty, S. 2008.** 'Few Forgotten Novels based on 1857 in Nineteenth Century' in *Kathajatak Bengali* magazine.
- Kaur, A.** Two poems *Betiyaan*, in Dr. Charanjit Singh, *So kuon maanda akhiyae*.
- Chadha, R.A. 2009.** 'Merchant-Adventurer in Portuguese Asia: Filipe de Brito, A.D. 1580--1615' in Vijaya Ramaswamy and Yogesh Sharma (eds), *Biography as History: Indian Perspectives*. New Delhi: Orient Blackswan.
- Valecha, S. 2008.** 'Gandhi and Women Empowerment'. *Journal of Gandhian Studies*, VI (I & II), Department of Gandhian Studies, Panjab University, Chandigarh.
- Ahlawat, R. 2008.** 'E-Learning in Land Record Information System in India', Proceedings of FIG International Workshop on 'Sharing Good Practices: E-Learning in Surveying, Geo-information Sciences and Land Administration'. Ensched, The Netherlands, 11-13 June 2008. (Also published online at http://www.fig.net/commission2/enschede_2008).
- Puri, P. 2008.** 'A Medical Geography Analysis of Endemial Distempers and Inundative Vectorism: Malaria Epidemiology in the Thar Desert', in *Information Technology and Environmental Management*, Singh, J. (ed.). Delhi: M.D. Publications, pp. 283-92.
'Challenges Posed by the Introduction of Water in the Desert Environment: Analysis of the Thar Desert, India', *Akademios*, (faculty journal of Kamala Nehru College).
'Geographic Information Systems and Consumer Database Management: A Strategy for Effective Redressal', in Consumer Club annual magazine *Awaken* of Kamala Nehru College, Delhi University.

- Kaur, S., Srivastava, S., Manjari and Bhatia, M. 2008.** 'Higher order Duality in Multiobjective Fractional Programming with Support Functions'. *Journal of Mathematical Analysis and Applications*, 347.
- Gupta, R. 2009.** 'Interactive (Fuzzy Goal Programming Approach for Bilevel Programming Problem'. *European Journal of Operational Research*, 194.
- 2008.** 'An Algorithm for Multi-level Programming Problem Using Goal Programming'. *Opsearch*, 45(1).
- 2008.** 'A Fuzzy-Goal Programming Approach for Bilevel Linear Multiple Objective Decision Making Problem', *International Journal of Management Science*, 13(2).
- Pillai, J. 2008.** 'Significance of counselling in Domestic Violence', presented at the National Seminar held in Vigyan Bhawan, published by Delhi Legal Service Authority Annual Report, 2008.
- Abha, H.D. 2008.** 'Delicate $f(R)$ gravity models with disappearing cosmological constant and observational constraints on the model parameters'. *Physics Review D*, 78: 083515, co-authored with D. Jain, S. Jhingan, S. Nojiri, M. Sami, I. Thongkool.
- Sehgal, A. 2009.** 'Development of the floral shoot and pre-anthesis cleistogamy in *Hydrobryopsis sessilis* (Podostemaceae). *Botanical Journal of Linnean Society*. 159(2), co-authored with Dr. Minakshi Sethi and Prof. H. Y. Mohan Ram.
- Bose, T.** Chapters of E-book on Biological Chemistry have been uploaded on the website of the National Science Digital Library by the National Institute on Science Communications and Information Research (NISCAIR) and more are in the pipeline. This is a part of the NISCAIR project on e-books.
- Kumari, R. 2008.** 'Pseudomonas panipatensis sp. nov., isolated from an oil-contaminated site'. *Int. J. Syst. Evol Microbiol.*, 58: 1339-45, co-authored with Gupta, S. K., Kumari, R., Prakash, O. and Lal, R. (2008).
- Sharma, S.M. 2008.** 'Tuberculosis Infection of Human Monocyte Derived Macrophages Induces Apoptosis of T-cells'. *Immunol. Cell Bioi*, advance online publication, doi: 10.1038/icb.2008.97, co-authored with Sadhna Sharma, Monika Sharma and Mridula Bose.
- Bhatia, M. 2008.** 'Higher order Duality in Multiobjective Fractional Programming with Support Functions', written jointly with Dr. S. Suneja and Dr. Manjari Srivastava *Journal of Mathematical Analysis and Applications*, 347.
- Aggarwal, S. 2008.** 'MIBiClus: Mutual Information based Biclustering Algorithm', in Proceedings of World Academy of Science, Engineering and Technology, Vol 30, 2008.
- 'MIBiClus: Mutual Information based Biclustering Algorithm', in IADIS, European Conference on Data Mining 2008.
- 2008.** 'FISA: Fast Iterative Signature Algorithm for the analysis of large-scale gene expression', data in IADIS, European Conference on Data Mining 2008.

Khurana, S. 2008. 'Simple and Efficient End-to-End Protocol to secure Ad Hoc Networks against Wormhole Attacks', in International Conference on Wireless and Mobile Communications, ICWMC 2008 at Athens, Greece, 27 July-1 August 2008.

2008. 'First End-to-End Protocol to secure Ad Hoc Networks of Variable Range against Wormhole Attacks', in International Conference on Emerging Security Information, Systems and Technologies, SECURWARE 2008 at Cap Esterel, France, 2008.

Kalia, T.M. 2008. Chief Advisor and part of writing team for Hindi textbook for Class V, NCERT.

Kalia, Tiwari, Mukul. 2008. Co-authored Parhne ki Samajh a handbook for teachers on the concept of Reading, published by NCERT.

2008. Co-authored a survey on Parents', Teachers' and Teacher Educators' Perception of Eklvaya Books.

2008. Did a critique of the Hindi textbooks of Rajasthan State which were published in the Journal *Shiksha Vimarsh*.

Chakravarti, U. 2008. Presented paper which was published in the *Indian Journal of Gender Studies*, New Delhi: Sage Publications.

MOTILAL NEHRU COLLEGE

Library Development

Total Budget	:	Rs.400000.00
Books added	:	1,500
Journals subscribed	:	95

New Additions

Sh. Amrat Lal Meena	- Economics	Sh. Pradeep Kumar	- Political Science
Dr. Mohd Shabeer	- Hindi	Sh. Durgesh Kumar Singhal	- Mathematics
Sh. Sushil Kumar	- Mathematics	Sh. Sunit Kumar	- Mathematics
Sh. Rambabu Pachwarya	- Chemistry	Ms. Swati Agarwal	- Chemistry
Ms. Panchshiela	- English	Sh. Brahma Dutt	- English
Sh. Surender Kr. Rohilla	- English	Ms. Kaushalya	- Sanskrit
Ms. Chandan Karki	- Commerce	Dr. Omprakash Gosain	- Commerce

Appointment of faculty members to higher Posts/Assignments

Dr. Ramesh C. Sharma: Appointed as UGC Observer on the Selection Committee of University of Rajasthan, Jaipur.

Appointed Expert on Selection Committee for appointment of teachers at JNU.

Member of the Selection Committee to select books of Rajbhasha Vibhag, Ministry of Home Affairs, New Delhi.

Life member of the Association of Indian College Principals.

Seminar held

National Seminar on 'Physics In Quest of Alternative Source of Energy', 19-20 December 2008.

Seminars/Conferences attended

Dr. Ramesh C. Sharma: Attended an International Conference on International Leadership Programme at Seoul, South Korea, organised by the Universal Peace Federation, USA.

Delivered a lecture at Pusan University of Foreign Studies, Pusan, 2-11 April 2008.

Attended Higher Education Summit-2008 organised by ICF AI University, 29 May-1 June 2008.

Participated in a Conference and Workshop organised by EDGE-2009, at India Habitat Centre, New Delhi, 9-11 February 2009.

Mrs. Ekta Duggal: Participated in the XXI Annual Convention on 'Global Economy & Indian Financial Markets: Opportunities and Challenges', 27 September 2008.

Dr. Vidya Pradhan: Attended a National Seminar on 'Chemistry Education and Research in the 21st Century'.

Dr. Paramita Ghosh: Attended A workshop on 'Biology Laboratory Course', organised by the Institute of Lifelong Learning, 2-4 September 2008.

Dr. (Mrs.) Kanta Khurana and Mrs. Preeti Upreti: Attended a Workshop on 'Mathematica', 30 May 2008.

Mr. Khole Timothy and Mr. Sunit Kumar: Attended a Workshop on 'Use of Mathematica', 21-22 August 2008.

Dr. C.P. Mishra: Attended a workshop on 'e-Learning course material', 20-21 November 2008.

Attended a Seminar organised by the Bhartiya Bhasha Sansthan, Mysore, and Kendriya Hindi Sansthan, Agra, 19-20 February 2009.

Dr. Seema Vats and Mr. Sanjeev Kumar: Attended a Workshop on 'Experiments in Physics and Electronics', 23-26 July 2008.

Mr. Sanjeev Kumar: Attended a Workshop on 'Quantum Mechanics: Theory and Application', 21-22 November 2008.

Dr. Vandana Mishra: Attended a UGC Workshop on 'Capacity Building of Women Managers in Higher Education', at Jamia Millia Islamia University, New Delhi, 16-20 February 2009.

Dr. S. Haldar: Invited to deliver a lecture at the National Seminar, Baba Saheb Bhimrao Ambedkar University, Ahmedabad, 21 December 2008.

Publications

Sharma, R.C. Samvad Bhi Vivad Bhi Criticism.

101 Bal Kavitaeyin.

Koriyai Bal Kavitaeyin' (Korean Children's Poetry). New Delhi: National Book Trust.

Singh, V. 2008. *Interpreting Medieval India*. New Delhi: Macmillan India.

Haldar, S. Published three papers in various international journals on Microelectronic Devices.

Bharadwaj, R., Srivats and Jha, A.J. 2008. *Sanskrit Vyakaran Praveshika*.

MOTILAL NEHRU COLLEGE (EVENING)

Library Development

Total Budget	:	Rs.7,62,000.00
Books added	:	1,562
Journals subscribed	:	17

New Additions

Sh. Mangu Ram	-	Commerce	Sh. Prem Kumar	-	History
Sh. M.A.H. Mohideen	-	Commerce	Mrs. Neelu Grover	-	Commerce

Honours/Distinctions

Dr. Charu Gupta: Fellow, Nehru Memorial Museum and Library, Delhi.

Referee for Research paper on 'Erotics in Hindi Literature' for *Journal of Women's History*.

Seminars/Conferences attended

Dr. Charu Gupta: Sexuality and Obscenity in Colonial India, Indigenizing Archival Representations, India, Sexuality and the Archive Colloquium, Duke University, 13 February 2009.

'Sexuality, Caste and Religion', Nirantar Workshop, Delhi, 28 April 2008.

Women and Everyday Hindu Communalism, Colonial Pasts, Contemporary Presents Saajhi Duniya, Lucknow, 5 April 2008.

Publications

Gupta, C. 2008. *Contested Coastlines Fisherfolk, Nations and Borders in South Asia*, (Co-author Sharma, M.). New Delhi and London: Routledge.

2008. '(Mis) Representing the Dalit Women: Reification of Caste and Gender Stereotypes in the Hindi Didactic Literature of Colonial North India', *Indian Historical Review*, 35(2): 101-24.

2008. 'Aupneshik Uttar Bharat mein Gharelu Kshetra, Hindu Pehchan aur Stri Yaunikta' Domestic Sphere, Hindu Identity and Women's Sexuality in Colonial North India), in Hindi, *Tadbhav*, pp. 26-39.

2009. 'Male Sexualities and Inter-Religious Romances, Fragments from Bollywood', in Anuradha Malshe (ed.), *Business of Bollywood: The Changing Dimension*. Hyderabad: Icfai University Press.

2008. 'Mahila Dakshata Samiti', in *Encyclopedia of Women in World History*, New York: Oxford University Press.

2008. 'Dalit Viranganas and Reinvention of 1857', in *1857: Essays from Economic and Political Weekly*, Hyderabad: Orient Longman and Sameeksha Trust, pp. 193-212.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

Major Activities

NSIT has been consistently ranked among the top 20 Institutions in the country, including IITs, in an open survey conducted by various media organisations.

Abhishek Dhama, Information Technology, and Ritika Goel, Computer Engineering, developed 'Word Editor' 'Technologies for Spinal Injury Patients' in a joint project of IIT Delhi, AIIMS and Indraprastha Apollo Hospital.

A team of student from NSIT won the BBC World 'University Challenge Award' in the Quiz Competition out of 350 teams from all over country, finally defeating IIM Kozhikode.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Jayesh Jayarajan	EC-DCE	I
Jaideep S. Jagannath	EC-NSIT	II
Sonam Kumar	EC-NSIT	III
Rakesh Agarwal	CO-DCE	I
Ram Kumar Karan	CO-DCE	II
Pranchi Kalra	CO-NSIT	III
Vidya Sagar	ICE-NSIT	I
Aman Puri	IC-NSIT	II
Abhishek Gupta	IC-NSIT	III
Nishtha Mital	MA-NSIT	I
Mayank Nagpal	MA-NSIT	II

Sandeep	MA-NSIT	III
Neha Gupta	IT-DCE	I
Megha Rastogi	IT-DCE	II
Shruti Arora	IT-DCE	III
Varun Madan	BT-NSIT	I
Paras Chopra	BT-DCE	II
Shashi Kant Goel	BT-NSIT	III

Library Development

Total Budget	:	Rs.556630.00
Books added	:	359
Journals subscribed	:	76

New Additions

Shri Tarun Rawat	-	Lecturer	Shri Pankaj Deshwal	-	Lecturer
Shri Prasanta Kumar Bhuyan	-	Lecturer	Shri Devender Kumar	-	Lecturer

Seminars/Conferences attended

Prerna Gaur, Bhim Singh and A.P. Mittal: 'Artificial Neural Network Controller and Speed Estimation of Permanent Magnet Synchronous Motors', in Proc. of International IEEE International IEEE International Conference POWERCON'08, October 2008.

Ankur Verma and S.P. Singh: 'Fasting information through remotely controllable novel device for rural areas', ISTE Day Conference on Technology for Rural India; Challenges and perspective, NSIT, New Delhi, 31 May-1 June 2008.

Publications

Book

Parthasarthy, H. *Application of Advanced Signal Analysis*, Vol. 1 and 2. I.K. International.

Journals

Gaur, P., Singh, B. and Mittal, A.P. 2008. 'Steady State and Dynamic Response of State Space Observer Based PMSm Drive with Different Controllers', *Journal of Power Electronics*, 8(3): 280-90.

'LabVIEW Based Data Acquisition and Position Control of Permanent Magnet Synchronous motor', *MR International Journal of Engineering and Technology*, 1: 35-45.

2009. 'Feedforward Fuzzy Logic Control for Permanent Magnet Synchronous Motor Drive', *Int. J. Power Electronics*, 1(4): 280-363.

Singh, V., Gupta, I. and Gupta, H.O. 'Inferential Control of a Distillation Column using an Online Estimator', *International Journal Chemical Product and Process modeling of bepress*, 1(49).

- Singh, V., Gupta, I. and Gupta, H.O. and Rani, A. 2008.** 'Heat Input-Efficiency relationship for Distillation process', Published and presented in National Systems Conference-2008, organised by the Electrical Engineering Department, Indian Institute of Technology Roorkee and Systems Society of India at IIT Roorkee, Uttarakhand.
- K.P.S. and Khan, S.H. 2008.** 'A DAQ Card Based Mixed Signal Virtual Oscilloscope', *Measurement*, Elsevier, 41: 1032-9.
- Kumar, V., Rana, K.P.S. and Gupta, V. 2008.** 'Real-Time Performance Evaluation of a Fuzzy PI+Fuzzy PD Controller for Liquid-Level Process', *International Journals of Intelligent Control and Systems*, 13(2): 89-96.
- Hote, Yogesh V, Chodhury, D. Roy and Gupta, J.R.P.** 'New Approach for Stability of Perturbed DC-DC Converters', *Journal of Power Electronics*, 9(1): 61-7.
- 'Practical voltage/current controlled grounded resistor with dynamic range extension', *IET Circuits Devices and Systems* (UK), 2(5): 4665-66.
- Biolek, D., Senani, R., Biolkova, V. and Kolka, Z. 2008.** 'Active elements for analog signal processing, classification, review and new proposals,' *Radio Engineering Journal* (Czech Republic), 17(4): 15-32.
- Sharma, R., Senani, D.R. Bhaskar, Singh, A.K. and Gupta, S.S. 2009.** 'Electronically tunable floating inductor using operational mirrored amplifier', *Journal of Circuits, Systems and Computers* (USA), 18(1): 59-66.
- Gupta, S.S., Bhaskar, D.R. and Senani, R. 2009.** 'New Voltage-controlled oscillators using current feedback op-amps', *International Journal of Electronics and Communication* (AEUE Germany), 63(3): 209-17.
- Senani, R., Bhaskar, D.R., Gupta, S.S. and Singh, V.K. 2009.** 'A configuration for realizing Linear, Voltage-controlled Resistance, Capacitance and FDNC elements', *International Journal of Circuit Theory and Applications* (Ireland), appeared online DOI:10.1002/cta.510.
- Gupta, R.K., Sharma, D.R., Bhaskar and Senani, R. 2009.** 'Sinusoidal oscillators with explicit current output employing current-feedback op-amps', *International Journal of Circuit Theory and Applications* (Ireland), appeared online DOI10.1002/cta.531.
- Gupta, M., Agarwal, P., Singh, P. and Jindal, N.K. 2009.** 'Low Voltage current mirror with enhanced bandwidth', *Along Integrated circuits, signal processing, mixed signal letter*, 59: 97-103.
- Niranjan, V. and Gupta, M. 2008.** 'Low voltage four quadrant Analog multiplier using Dynamic Threshold MOS Transistors', *Microelectronics International*, 26(1): 47-52.
- Varshney, P., Gupta, M. and Visweswaran, G.S. 2008.** 'Implementation of Switched Capacitor fractional order Differentiator circuit', *International Capacitor fractional order Differentiator circuit*, 'International Journals of Electronics, 95(6): 531-47.

- Mallik, R.K. and Garg, P.** 'Equivalence of optimum and joint processing receivers for space-time block systems', *IEEE Transactions on Wireless Communications*.
- Rawat, T.K. and Parthasarathy, H. 2008.** 'Manoeuvring target tracking with coordinated turn motive using stochastic nonlinear filter', *International journals*, Taylor and Francis Journals, UK, 81(7): 1102-13.
- Rawat, T.K. and Parthasarathy, H. 2008.** 'Analysis of continuous time LMS adaptive filter weights using stochastic calculus and Fokker-Planck Kolmogorov equation', *International Journal of Tomography and Statistics*, Summer 2008, 9(S08): 108-15.
- 2009.** 'Convergence analysis of continuous-time nonlinear LMS-type algorithm using stochastic calculus', *International Journals of Electronics and Communication (AEU)*, 63: 576-83, doi10.1016/j.a.e.2008.04.009, Elsevier.
- Rawat, T.K., Lahiri, A. and Gupta, A. 2008.** 'Noise Analysis of single ended in out different amplifier using stochastic differential equation', *International Journal of Computer, Information and System Sciences and Engineering*, 2(3): 191-6, Summer-08, WASET.
- Rawat, T.K. and Parthasarathy, H. 2008.** 'Modeling of an Rc circuit using a stochastic differential equation', *Thammasat International Journal of Science and Technology*, 13(2): 40-7.
- 2009.** 'A Continuous-time least-Mean Phase adaptive filter for power system frequency estimation', *International Journal of Electrical Power & Energy Systems* (Elsevier), 31: 111-15.
- Bansal, A., Chakraverty, S., Gupta, B. and Khandelwal, G.** 'Offline signature verification using critical region matching', *Intl. Journal of signal processing, image processing and pattern recognition*.
- Pagrut, G. and Chakraverty, S. 2008.** 'Question answering system for rural development', *Proceedings of ISTE Day 2008 Conference on Technology for Rural India: Challenges and Perspectives*, New Delhi, pp.150-4.
- Malik, P., Bhaskar, Y. and Chakraverty, S. 2008.** 'A Neural Network based approach to forecasting vegetable prices in regulated markets', *Proceedings of ISTE Day 2008 Conference on Technology for Rural India: Challenges and Perspectives*, New Delhi, pp.35-40.
- Chand, S. 2009.** 'Buffer Storage for Continuous Delivery of Video Data', *Applied Mathematical Modeling*, 33: 3936-42.
- Chand, S. and Hariom, 2009.** 'Storage Space Estimation for Videos using Fading Channels', *Digital Signal Processing*, 19: 287-96. Elsevier.
- 2008.** 'Phase Estimation in Data Channelization for videos', *Multidimensional System and Signal Processing*, 19(2): 247-56, Springer.

2008. 'Efficient Utilization of Buffer Storage in Conservative Staircase Broadcasting Scheme', *IEEE Transactions on Consumer Electronics*, 54(3): 1360-8.

2009. 'Determination of Storage Space in Video Applications', National Conference on Communications, IIT Guwahati, pp. 253-6.

Chand, S., Kumar, B. and Hariom, 2008. 'Patching based Broadcasting Scheme for Video Service', *Computer Communications*, 31(10): 1970-8, Elsevier.

Kumar, S. and Chand, S. 2009. 'A New Method for Reverse Prediction of MPEG frames in Video Streaming', IEEE International Conference on Advance Computing (IACC'09), India, pp. 1119-23.

Kumar, B. 'Patching-based Broadcasting Scheme for Video Service', *Transactions on Computer Communication*, 31(10): 1970-8, Elsevier.

NEHRU HOMOEOPATHIC MEDICAL COLLEGE & HOSPITAL

New Subjects introduced

Practice of Medicine.

Organon of Medicine & Homeopathic Philosophy.

Library Development

Total Budget : Rs.1,00,000-00

Books added : 190

Honours/Distinctions

Dr. Anil Kumari Malhotra: Awarded Dhanwanti Award.

Dr. Anu Kapoor: Lifetime Achievement Award.

Dr. Bipin Jethani: Awarded Hahnemann Award.

Seminars/Conferences attended

Dr. Rashmi Chowdhery: Attended the Kent Memorial Lectures-2008, National Homoeopathic Conference organised by South Delhi. Homoeopathic Association, 20-21 September 2008.

Dr. Bipin Jethani: Delivered a paper on 'Role of Homoeopathy in Attention Deficit Hyperactivity Disorder', National Kent Memorial Seminar, September 2008.

Attended a Workshop on 'Role of Homoeopathy in Paediatrics', conducted by internationally renowned homoeopathic physicians Robert Petrucci and Farokh J. Master, organised by Centre for Advanced Studies in Homoeopathy, November 2008.

Dr. Parul G. Wadhvani: Delivered a paper on 'Original Homeopathic Prescribing- Prescribing during Pregnancy', at National Kent Memorial Seminar, September 2008.

Presented a poster in IMFAR (International Meet for Autism Research) 16134.16, 'Effect of Homeopathic drugs on children with Autistic Spectrum Disorder: A Preliminary Study', at London, UK, May 2008.

Presented a paper on 'Synergistic Effect of Homeopathic Medicine for the Therapy of ASD' in India'. International Homeopathic Conference organised by International Foundation for H.E.A.L.T.H., held in Shimla, H.P., August 2008.

Participated and presented a paper on 'Homeopathy in ASD' in National Homeopathic Conference, KML 2008, September 2008.

Publications

Gupta, N., Saxena, R.K., Malhotra, A.K. and Juneja, R. 2008. 'Homeopathic Medical Therapy for Autistic Spectrum Disorder- A Preliminary Study', *Asian Journal of Homeopathy*, 11: 12-22.

Gupta N. 2008. 'Relevance of oreganos in 21st century - An Overview', *Journal of Singapore Faculty of Homeopathy*, 10: 62-4.

2008. 'Effectiveness of Homeopathic Therapy in ASD children', *Journal of SDHA*, VIII(6). 'Homeopathy in Autistic Spectrum Disorder', *Homeopathic Heritage*, 34(3): 28-37.

P.G.D.A.V. COLLEGE

Special Grants/Assistance/Projects

Awarded to the College : Rs.3,00,000.00

Library Development

Total Budget : Rs.8,47,500.00
Books added : 1,662
Journals subscribed : 60

New Additions

Ms. Geeta Kalucha	- Mathematics	Sh. Sanjay Kr. Singh	- Statistics
Dr. Darvinder Kumar	- Statistics	Dr. Duryodhan Nahak	- Political Science
Sh. Varun Gautam	- Commerce	Ms. Shashi Nanda	- Commerce
Dr. Shamsher Singh	- Commerce	Sh. Phool Chand	- Commerce
Ms. Renu Jonwal	- Commerce	Sh. Chhetan Choideb Negi	- Commerce
Sh. Manoj Kr. Sinha	- Commerce	Sh. Harmanpreet	- Commerce

Seminars/Conferences attended

Dr. Nandina Sinha, History Department, A major achievement included receiving the Indo-French Cultural Exchange Fellowship 2008 and her lecture in Paris, France.

Dr. Shuchi Pahuja's research paper published in the *Social Responsibility Journal*, UK, was awarded and highly appreciated. Her article was also published in *Advances in Financial Studies in India*.

Publications

Books

Popli, R.S. and Sharma, R.K.. *Financial Accounting*.

Sinha, N. *Reconstructing Identities: Tribes, Agro-Pastoralists and Environment in Western India*.

Ranganathan, P.P. *Health and Physical Education, Lab. Manual*.

P.G.D.A.V. COLLEGE (EVENING)

Special Grants/Assistance/Projects

Awarded to the College : Rs.3,60,000.00

Awarded to Individual Teachers : Rs.3,47,000.00

Library Development

Total Budget : Rs.7,33,200.00

Books added : 1,416

Journals subscribed : 62

Conference held

Two-day National Conference in Hindi with assistance from the University Grants Commission, held in September 2008.

Seminars/Conferences attended

Dr. R.M. Bhardwaj: Attended a National Seminar on 'Emerging Directions in Global Education', New Delhi, 2009.

Sh. S.C. Saxena: Attended a National Seminar on 'Global Economy Crises', organised by Delhi University.

Dr. R.K. Gupta: Attended a Seminar on 'Financial Studies', organised by Delhi University, South Campus.

Dr. Sanjay Kumar: Attended a Conference on Indian History Congress at Kannur in Kerala.

Sh. K.K. Madhok: Attended a Conference on Global Economy and Indian Financial Markets: Opportunities and Challenges, organised by Delhi University, South Campus.

Dr. S.R. Raj: Attended a Conference on Manav Adhikar, organised by Jamia Hamdard University.

Publications

Arora, H. and Singh, A.K. Joint Lekhan 1. Adhunik Kavi, 2. Ek Vimarsh, 3. Jan Sanchar, 4. Srajanatmak Lekhan.

Sharma, M. *Bhasha, Media Aur Srajanatmak Lekhan.*

Pt. DEENDAYAL UPADHYAYA INSTITUTE FOR THE PHYSICALLY HANDICAPPED

Library Development

Total Budget	:	Rs.1,00,000.00
Books added	:	196
Journals subscribed	:	10

Seminars/Conferences attended

Mr. Arun Kishore Demo: Attended VII International Symposium of the Asian and Pacific Parkinson's Association held at New Delhi, 11-16 February 2009.

Ms Archana Kaushik: Attended International Congress on Gerontology & Geriatric Medicine, ICGGM-2009, 23-25 February 2009.

Mr. Deepak Malhotra: Attended the International Congress organised by World Confederation of Physical Therapy and Indian association of Physiotherapists, Mumbai, 2009.

Attended an International workshop on Gait Analysis in ITS College of Physiotherapy, Ghaziabad, 2009.

Ms. Gunjan Wadhwa: Attended National Conference: Participation in 46th Annual National Conference of ALOT A (EMCON 2009), Jaipur, 9-11 January 2009.

Mr. Kamal N Arya: Attended International Congress on Gerontology & Geriatric Medicine, AIIMS, New Delhi, 2009.

Attended 46th Annual National conference of AIOT A 2009 at Jaipur, 2009.

Mr. Manish Samnani: Attended XLVI Annual National Conference of Occupational Therapy, EMCON-2009, Jaipur, 9-11 January 2009.

Mr. Suraj Kumar: Attended IAPCON-BIHAR-2009, 1st Annual Conference of Indian Association of Physiotherapist Bihar State Branch, BCPO, Patna, Bihar, 7-8 March 2009. Participated in the 96th Indian Science Congress, NEHU, Shillong, 3-7 January 2009. Attended XXVI Annual National Conference of ISMSCON-2008, Nainital, 7-9 November 2008.

Publication

Arya, K.N., Singh, S.K. and Nagar, R. 'To compare the physiological effect of standard and light wheelchair design during propulsion by persons with spinal cord injury'. *Indian Journal of Occupational Therapy*, April 2008.

Kumar, S., Negi, M.P.S., Sharma, V.P. and Shukla, R. 2009. 'The spinal column and abdominal pressure changes and their relationship with pain severity in patients with low back pain'. *Nigeria Journal of Medical Rehabilitation*, 13(21): 1-6.

Kumar S., Sharma, V.P., Tripathi, H.K., Negi, M.P.S. and Vendhan, G.V. 2009. 'Efficacy of dynamic muscular stabilization techniques (DMST) over conventional techniques in patients with chronic low back pain'. *Indian Journal of Physiotherapy and Occupational Therapy*, 3(2): 47-53.

Kumar S., Vendhan, G.V., Awasthi S., Tiwari M. and Sharma V.P. 2008. 'Relationship between fear of falling, balance impairment and functional mobility in community dwelling elderly', *Indian Journal of Physical Medicine and Rehabilitation*, 19(2): 48-52.

Sharma A. and D. Souza S.A. 2008. 'Developing a scale to assess Balance confidences in Indian community dwelling older adults'. *Indian Journal of Occupational Therapy*, XL (2): 33-47.

RAM LAL ANAND COLLEGE

Special Grants/Assistance/Projects

Awarded to the College

Grant for Non-recurring funds for OBC reservations related infrastructure expansion in Colleges of the Delhi University (Rs. 1,45,00,000).

Grant for Construction of Women's Hostel under XI Plan (Rs. 23,00,000).

Grant-in-aid for organising the Workshop under the scheme of Human Rights Education during 2008-09 under Plan (Rs. 70,880).

Development Assistance during 11th Plan Period (Rs. 1,50,000).

Awarded to individual teachers

Travel Grant to Dr. Pramod Kumar Mishra, Dept. of Political Science, participation in the International Conference 2009 Annual Convention of International Studies Association, New York, USA, 15-18 February 2009.

Library Development

Total Budget	:	Rs.3,18,000.00
Books added	:	862
Journals subscribed	:	56

New Addition

Dr. Vijay K. Sharma - Principal.

Seminars/Conferences attended

Mr. Gautam Chakrabarti: Presented papers and delivered Invited Lectures/Talks on: 'Until the Very End: The 'British' Public School in/as Hogwarts', Faculty of Foreign Languages and Area Studies, Moscow State University, Moscow, Russia.

'Diasporas of the Mind: Selected Works of Naipaul and Rushdie', at the Faculty of Foreign Languages and Area Studies, Moscow State University, Moscow, Russia.

'Secularising the Sacral and Vice Versa: Indian Religions in Popular Performance', at the Centre for Religious Studies, Russian State University for the Humanities, Moscow, Russia.

'Under a Rajput Sun: Vignettes of Polity and Poesy from India', an audio-visual presentation made at the Department of Indian Philology, Institute of Asian and African Studies, Moscow State University, Moscow, Russia.

'A New Manthana: the Socio-Cultural Synergy in Bankim's Visions of a Hindu India', Centre for Indian Studies, Institute of Oriental Studies, Russian Academy of Sciences, Moscow, Russia.

'Hiran#yagarbhah Samavartatâgre: Ordaining a Brave New Indian Cultural Schema', India International Centre, New Delhi, during the Kalaikoodam-organised Seminar on 'Arts and Culture for Indian Resurgence', 3 August 2008.

'Revisiting The Golden Boat: Reading the Bengali Classics', Department of Indian Philology, Faculty of Oriental Studies, St Petersburg State University, St. Petersburg, Russia, 9 December 2008.

'From the Diasporic to the 'Glocal': Indic Beliefs and Western Perspectives', an invited talk given at the Centre for Cultural Studies, Faculty of Philosophy, St. Petersburg State University, St. Petersburg, RUSSIA, 19 December 2008.

'Towards Liberation through Matter: Indic and Kindred Concepts of Caturvarga', Russian Christian Academy for the Humanities, St. Petersburg, Russia, 23 December 2008.

Dr. Seema Gupta: Presented a paper titled 'Construction of Nested Partially Balanced Incomplete Block Designs' on 17 May 2008 in the *Design of Experiments* session chaired by Prof. John Stufken at the International Conference on Interdisciplinary Mathematical and Statistical Techniques IMST 2008/FIM XVI at Memphis, USA, 15-18 May 2008.

Dr. P.K. Mishra: As a visiting scholar to East China University, Shanghai, 26-27 February 2009, he gave a talk on 'India-China Cordial Links Through Silk Route in the Ancient Period'.

Mr. Gautam Chakrabarti: 'From 'Diasporic' to 'Glocal': 'Indic' Manoeuvres and 'Western' Perceptions', at the Institute of Defence Studies and Analysis, New Delhi, 13 January 2009, during the Rethinking religions in India II, International Conference organised by the Research Centre Vergelijkende Cultuurwetenschap, Ghent University and the Centre for the Study of Local Cultures, Kuvempu University.

Dr. R.K. Gupta: Presented the following papers: 'Structure of *Mycobacterium tuberculosis* BirA at different temperatures reveals importance of protein dynamics', International Symposium on Emerging Trends in Tuberculosis Research: Biomarkers, Drugs and vaccines, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, 1-3 December 2008.

'BfrA, an iron storage protein of *Mycobacterium tuberculosis*: 2.5Å resolution crystal structure', International Symposium on Emerging Trends in Tuberculosis Research: Biomarkers, Drugs and vaccines, 1-3 December 2008, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi.

'Biochemical characterization of FadD13 from *M. tuberculosis* and identification of residues crucial for enzymatic activity'. International Symposium on Emerging Trends in Tuberculosis Research: Biomarkers, Drugs and vaccines, 1-3 December 2008, International Centre for Genetic Engineering and Biotechnology, New Delhi.

Dr. Vijay K. Sharma: Chaired two technical sessions at the National Seminar on Language and Literature in Global Context: Perspective and Challenges, 13-14 March 2009.

Dr. P.K. Mishra: 'India's Changing Paradigm in Asia Pacific Region' at a National Seminar in Jaipur, 28-29 January 2009.

'Role of Middle Class in the Evolution of India's External Policy', at a National Seminar organised by Shyamlal College, Delhi University, 2-3 February 2009.

Publications

Articles in Books or Scholarly Journals

Gupta, V., Gupta, R.K., Khare, G., Surolia, A., Salunke, D.M. and Tyagi, A.K. 2008. 'Crystallization and preliminary X-ray crystallographic analysis of biotin acetyl CoA (BirA) from *Mycobacterium tuberculosis*'. *Acta Crystallogr Sect F Struct Biol Cryst Commun.* 64 (Pt 6): 524-7.

Gupta, V., Gupta, R.K., Khare, G., Salunke, D.M. and Tyagi, A.K. 2008. 'Cloning, expression, purification, crystallization and preliminary X-ray crystallographic analysis of bacterioferritin A from *Mycobacterium tuberculosis*'. *Acta Crystallogr Sect F Struct Biol Cryst Commun.* 64 (Pt 5): 398-401.

Book Chapter: 'Food Preservation'. *Food and Industrial Microbiology*, (e-book). New Delhi: NISCAIR.

Bharadvaja, M. 2008. 'Women of India', *Sar Economist*, 17(209).

Mishra, P.K. 2008. Has been editing a Research Journal named *Asia Pacific Panorama* for the last eight years and has brought out a special volume of APP on China.

Gulati, N. 'English and other influences on Sri Aurobindo', *The Call Beyond*, New Delhi: Sri Aurobindo Ashram.

RAM LAL ANAND COLLEGE (EVENING)

Special Grants/Assistance/Projects

Awarded to the College : Rs.10 lakh from UGC for creation of IT Resource Centre.

Library Development

Total Budget	:	Rs.3.5 lakh
Books added	:	824
Journals subscribed	:	30

New Addition

Ms. Preeti M. Gacche - Lecturer - English.

Honours/Distinctions

Dr. Vijay K. Sharma: Elected Joint Secretary of All India English Teachers' Association at the All India English Teachers' Conference, December 2008.

Seminars/Conferences attended

Dr. Surajit Deb: Presented a paper on 'The Macroeconomic Impacts of Trade Liberalization in South Asian Agricultures', at the 9th Round of South Asia Network of Economic Research Institutes (SANEI) Conference in Islamabad, Pakistan, August 2008.

Kohli, K. 2009: Presented a paper on 'The Portuguese Presence in the Indian Ocean', at a Seminar on the 'Indian Ocean Programme', Jamia Millia Islamia, February 2009.

Chakravarty, S.L. 2009. Senior Lecturer in Economics presented a paper on 'The Optimal Level of International Reserves: Case of India', at the Twelfth Annual Conference of Money and Finance at IGIDR, Mumbai January 2009.

Sinha, M. 2009. Reader in Political Sc.: Presented a paper on 'Sustainable Development: A Gandhian Perspective', in UGC National Seminar organised by Tirthankar University, Moradabad, March 2009.

Wankhede, H.S.: Presented a paper titled 'Social Justice and Religious Minorities in India', in the International Conference on Social Justice at the Centre for Political Studies, JNU, January 2009.

Dr. S.C. Sharma, Dr. Rajendra Dayal and Dr. Rajesh Kumar: Attended the XXXII Indian Social Science Congress, Jamia Millia Islamia, 18-22 December 2008.

Dr. S.C. Sharma, Dr. Manoj Sinha and Shri Harish S. Wankhede: Attended the Hind Swaraj Centenary Celebrations Conference organised by Gandhi Bhawan, Delhi University.

Dr. Rajesh Kumar: Presented a paper on 'Economic Development and Socio-economic Impact on Women', in a National Seminar (UGC sponsored) held in Lansdowne (Pauri) on Women Empowerment, March 2009.

Publications

Mangalam, B., Tr. 2009. *Dalit Poetry from Tamil to Hindi*. Delhi: Rawat Publications.

Budhraj, G. 2008. *Canada's Women Dramatists: The Nationalist-Feminist Nexus*. New Delhi: Prestige Books.

Sinha, M., (ed.) 2008. *Gandhi Adhyayan*. Delhi: Orient Longman.

Deb, S. 2009. 'Public Distribution of Rice in Andhra Pradesh: Efficiency and Reform Options', *Economic and Political Weekly*.

RAJKUMARI AMRIT KAUR COLLEGE OF NURSING

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Jeeva S.	Master of Nursing	I
Ms. Elsamma C. S.	Master of Nursing	II
Ms. Rita Sapra	Master of Nursing	III
Ms. Sneha Eliaz	B.Sc. (Hons.) Nursing	I
Ms. Syama Suresh	B.Sc. (Hons.) Nursing	II
Ms. Ancy Joseph	B.Sc. (Hons.) Nursing	III
Ms. Litty Philip	B.Sc. (Hons.) Nursing	III

Library Development

Total Budget	:	Rs.8,45,000.00
Books added	:	382
Journals subscribed	:	37

New Additions

Ms. Ms. D. Shanti - Clinical Instructor
Ms. Rita Laishram - Clinical Instructor

Seminars/Conferences attended

Miss Sivakami: Attended an International Conference on Mediterranean Diet and Health at Hotel Shangril la, New Delhi. 11-12 December 2008.

Mrs. Santosh Mehta: Attended a Workshop on 'National Rural Health Mission', at National Institute of Health and Family Welfare, New Delhi, 3-7 December 2008.

SHYAM LAL COLLEGE

Honours/Distinctions

Dr. M.K. Razdan, Principal, is Fellow of the Society of Cytologists and Geneticists.

Seminars/Conferences held

The Political Science Association organised a Seminar on the topic 'Role of Obama in the Global World' where Prof. Anand Kumar from Jawaharlal Nehru University delivered a lecture, 19 November 2008.

The Chemical Society organised a lecture on 'Chemistry in the 21st Century' with Prof. A.K. Bakshi, Department of Chemistry, Delhi University as speaker, 4 December 2008.

The History Association organised a Seminar on '1857 Revolt: Various Interpretations' addressed by Prof. S.Z.H. Jafri, Head, Department of History, Delhi University, 16 December 2008.

The History Association also organised a Seminar on 'Transition from Feudalism to Capitalism - Debate' addressed by Dr. Sanjay Verma, Associate Professor, Department of History, Kirori Mal College, Delhi University, 18 March 2009.

The Mathematics Department organized a Seminar Prof. Dinesh Singh, Director, South Campus, Delhi University, gave a talk on 'History of Mathematics from Indus Valley Civilization to Shri Niwas Ramanujan', 4 February 2009. This lecture gave awareness to B.Sc. students regarding ancient and modern mathematics.

The English Association organised a seminar on 'Text, Pedagogy and Discourse' 6 February, 2009 in collaboration with the Department of English, Delhi University. The speakers included, among others, Professor Sumanyu Satpathy, Professor Uday Kumar, Professor Sambudha Sen and Dr. Gautam Chakravorty from the Department of English, Delhi University. The delegates from various other colleges of the university, as well as our students particularly students of the English Department, were greatly benefited by the event.

The Physical Society organized a talk on 'Wonders of Material' with Prof. R.P.Tandon, Department of Physics & Astrophysics, Delhi University as speaker, 13 February 2009.

Hindi Department organized a Seminar on '*Aadhunik Hindi Natak : Dasha and Disha*' on 23 March 2009 with Dr. Narender Mohan as speaker.

Seminars/Conferences attended

Ms. Supriti Mishra, Department of Economics: Participated in the International Conference organised by Indian Society of Gandhian Studies, held at Chandigarh, 28- 30 January 2009. She also participated in the International Seminar on 'Hind Swaraj: Hundred Years and After' organised by Gandhi Bhawan, Delhi University, 11-13 February 2009.

Ms. Jyoti Chaudhary, Department of Economics: Participated in the National Level UGC sponsored Seminar on 'India 2050: Eyeing Growth Potential' held at Kamla Nehru College, Delhi University, 13-14 March 2009.

Dr. Reeta Sharma, Department of Chemistry: Participated in the International Conference on Operation Research for a growing Nation, at Sri Venkateswara University, Tirupati, AP, 15-17 December 2008.

Dr. Ashu Gupta, Department of Chemistry: Participated in the Indo-US S&T Forum Workshop on Green Chemistry at Centre for Green Chemistry, Delhi, 7-9 January 2009.

Library Development

Total Budget	:	Rs.3,17,800.00
Books added	:	1,129
Journals subscribed	:	34

Publications

Razdan, A., Razdan, M.K., Rajam, M.V. and Raina, S.N. 2008. 'Efficient protocol for in vitro production of androgenic haploids of *Phlox Drummondii*'. *Plant Cell Tiss Organ Cult*, 95: 245-50.

Agarwal, V.K. Department of Commerce published a paper 'Holographic Conscious Enterprise', In: *Reshaping Business Analysis and Solution*, edited by Taruna Gupta and published by Macmillan Advance Research Series, IIIrd edition, New Delhi, March 2009. He also published paper 'Environmental Supply Chain Management, In: *Environmental Chain Management and Competitiveness*, edited by D.P.Goyal and published by Macmillan Advance Research Series, IIInd edition, New Delhi, October 2008. He also published paper 'Knowledge Management - A Necessity for Corporate Restructuring, Business and Competitive Dynamics In: *Survival and Growth Strategies*, edited by D.P. Goyal and published by Macmillan, Advance Research Series, 1st Edition, April 2008.

Bhatnagar, R. *Sahitya Ka Sankshipt Itihas* and *Sahitya Prabhod*. New Delhi: Satish Book Depot.

Kukreti, H. 'Kabhi Jal Kabhi Jaal' Bhartiya Gyanpeeth. Also, 'Shankar Shesh Ke Natakon Mein Sangharsh Chetna'. New Delhi: Kitab Ghar.

Behera, S.R. 'FDI and Technology Spillover : Evidence across Indian Manufacturing Industries' in Empirical Issues in International Trade and Finance (EIITF) at Convention Centre, Science City, Kolkata, 23-24 December 2008, organised by Indian Institute of Foreign Trade in association with the Centre for WTO Studies, New Delhi, India.

Majumdar, K. 2009. 'Crossing Cultural Boundaries: A Study of Amitav Ghosh's *The Hungry Tide*' published in *Crossing Borders: Post 1980 Sub-continental Writing in English*, edited by Jasbir Jain. Jaipur: Rawat Publications.

Kumar, P. 2009. *Colonialism, Constitutional and Freedom Struggle*. Delhi: Abhijeet Publication.

Communalism and Communal Riots in India: A Historical Perspective. Delhi: Abhijeet Publication.

Gupta, M. 2009. 'Electron Collision with the Silicon Monoxide (SiO) molecule using the R-matrix method', *J-Phy.B*, 42: 095204.

SHYAM LAL COLLEGE (EVENING)

Major Activities

Various subject associations have been active throughout the year. The English Association organised a presentation on 'Interview Skills and Personality Development' and a debate relating to the triumph of US President Obama. The Commerce Association organised a General Commercial Knowledge Test and a talk on 'Cost Accounting as a Career'.

The Eco Club under Ms. Ila Bhushan, organised a Poster-making competition and a talk on Youth and environment', by Dr. B.C. Sabata of the Department of Environment. The Club has also launched a project of developing a herbal garden at the site of the College nursery.

Library Development

Total Budget	:	Rs.2,60,000
Books added	:	1,040
Journals subscribed	:	18

New Additions

Dr. Preeti Shukla	-	English	Dr. Sandeep Kumar Yadav	-	English
Ms. Kusum Devi	-	English	Ms. Gauri Saxena	-	English
Sh. Ajay Gupta	-	Economics	Ms. Stuti Gupta	-	Economics
Sh. Amrendra Kumar Singh	-	Economics	Sh. Anil Kumar Singh	-	Economics
Sh. Surender Kr. Sharma	-	Economics	Sh. Nehkholen Haokip	-	Economics

Ms. Bharti	- Mathematics	Sh. Manu Umesh	- Commerce
Sh. Rajender Kumar	- Commerce	Sh. Anil Kumar	- Commerce
Sh. Kamlesh Attri	- Commerce	Dr. Ashok Kumar	- Commerce
Dr. Suresh Kumar	- Commerce	Dr. Aditya Prakash Tripathi	- Commerce
Ms. Bharti Kumar	- Comp. Sc.	Sh. Rajiv Ranjan Singh	- Comp. Sc.
Dr. Ramesh Kumar	- Pol. Science	Ms. Ila Bhushan Jain	- Pol. Science
Sh. Ritesh Bhardwaj	- Pol. Science	Sh. Kumar Prashant	- Pol. Science
Sh. Pankaj Kumar	- Pol. Science	Ms. Sandhya Verma	- Pol. Science

Seminars/Conferences held

Sixth National Seminar on 'Mapping Middle class in Resurgent India: Perspectives and Roles', North Campus of Delhi University, 5-6 February.

Prof. Sushil Mittal and Ms. Telles Mulnis of Virginia University, US: Delivered a lecture on 'Gandhian Philosophy and the Hind Swaraj: A centennial overview'.

Seminars/Conferences attended

Dr. G.P. Agarwal: Chaired a session at International Conference on Economic Development and Competitiveness: Canada and India, organised by S.N.D.T. University, Mumbai.

Dr. Harish Khanna: Attended International Conference on Indiginious Art & Economic Development in Canada & India, at Khajuraho organised by H.S. Gaur University, Sagar, and International Conference on Economic Development and Competitiveness: Canada & India at S.N.D.T. University, Mumbai.

Dr. Vinod Tyagi: Delivered a talk on Mathematical Sciences, at NEHU, Shillong.

Mr. Ajay Gupta: Read a paper on 'India-Korea Relations in Resurgent Asia', in a seminar organised by the Korean Foundation.

Dr. Ramesh Kumar: Presented a paper on 'Potential Benefits and Threats of Globalization: An Indian Context' in a two-day International Seminar on India & Canada in a Globalized world, organised by Canadian Studies Development Programme, Department of Political Science, BHU, Varanasi.

Publications

Books

Varshney, G.K. 2009. *Business Studies*, Agra: Sahitya Bhawan Publications.

Bhatia, R.C. 2008. *Business Organizational & Management*, New Delhi: Anne Publisher.

2008. *Business Communication*, New Delhi: Anne Publisher.

Books Edited

Sharma, A.K. 2008. *International Research Advances in Bio-Science*. New Delhi: S.R. Scientific Publications.

2008. *International Research Advances in Botany*. New Delhi: S.R. Scientific Publications.

2008. *International Research Advances in Chemistry*. New Delhi: S. R. Scientific Publications.

2008. *International Research Advances in Zoology*, Vol. 1. New Delhi: S.R. Scientific Publications.

2008. *International Research Advances in Zoology*, Vol. 2, New Delhi: S.R. Scientific Publications.

Articles

Majhi, B.D. 2009. 'Food security in India vis-à-vis the Policy of Waiving Farm Loans', *Southern Economist*.

Tripathi, A. 'Impact of TV advertising on Children's Food Preferences', *Indian Journal of Marketing*.

'Impact of Malls on Small Shops', *Delhi Business Review*.

Research Papers

Krishna, K.M., Sharma, A.K. and Mishra, M.K. 2008. 'Use of Internet and its impact on Agriculture user'. *Library Progress* (International), 28(1).

Bamijoko, S.B. and Sharma, A.K. 2008. 'Library Membership status of students at Igbinedion University: An investigative study'. *Library Progress* (International), 28(2).

SCHOOL OF OPEN LEARNING

Major Activities

Implemented e-governance in SOL during 2008-09. A high-capacity server has been installed at SOL. Network connectivity has been extended to more users in the Head Office and South Study Centre of SOL. The admissions are being done through computers.

A Training Programme on 'Quality Governance in ODL' was organised in collaboration with the Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi, for the officers of SOL which was inaugurated by the Hon'ble Vice-Chancellor, Delhi University.

An IT Resource Centre of SOL was inaugurated by the Hon'ble Vice-Chancellor, Delhi University.

Library Development

Total Budget	:	Rs.53,00,000.00
Books added	:	19,337
Journals subscribed	:	84

Honours/Distinctions

Dr. Parmanand, Assistant Professor, Deptt. of Political Science, SOL: Attended the coronation of His Majesty, the King in Bhutan, in November 2008.

Seminars/Conferences attended

Dr. Parmanand, Assistant Professor, Deptt. of Political Science, SOL: Attended the Seminar on 'Outreach activity on Indo-Nepal relations', Varanasi in September 2008.

Attended a Seminar in South Asia Studies Centre, University of Rajasthan, Jaipur, on 'State and Democracy in Nepal: Emerging Paradigms, issues and challenges', November 2008.

SHAHEED SUKHDEV COLLEGE OF BUSINESS STUDIES

Major Activities

This year, special effort was made to upgrade infrastructural facilities in the college. The college successfully launched its placement season with an impressive list of recruiters.

Library Development

Total Budget	:	Rs.4,00,000.00
Books added	:	650 titles
Journals subscribed	:	48

Seminars/Conferences attended

Dr. Poonam Verma: Attended a Workshop conducted by IIM (C) on 'Excellence in Higher Education', 3-6 August 2008.

Attended HT- Leadership Summit as a special invitee, 21-22 November 2008.

Attended a Marketing Summit organised by CII titled 'Marketing to the Bottom of the Pyramid', August 2008.

Attended the 'Services Conclave' organised by CII, 19-20 January 2009.

Attended an International Conference on Emerging Dimensions in Global Education organised jointly by the Government of Maharashtra and UKIERI (UK-India Education & Research Initiative).

Ms. Anuja Mathur: Attended the Marketing Summit 2008 organised by CII titled 'Marketing to the Bottom of the Pyramid', August 2008.

Ms. Shikha Gupta: Attended a Seminar on 'Best Teaching Practices'. The seminar was organised by the Centre for Research in Cognitive Systems, Institute of Information Technology, Delhi, 22-23 December 2008.

Publications

Singh, R. 2009. 'Company Attributes and Stock Returns in India-A Panel Data Analysis', *Asia Pacific of Applied Finance*, 15(2):16-57 (ISSN 0972-5105).

'Beta Estimation in the Indian Stock Market: Stability, Stationary and Computational Considerations'. *Decision* (IIM Calcutta) 35.

Company Attributes and Cross Section of Stock Returns in India', *Asia Pacific Business Review*, IV(2): 82-9, April-June 2008. (ISSN 0973-2470).

Beta Stationarity over Bull and Bear Markets in India'. *The ICFAI Journal of Applied Finance*, 14(4): 32-47, April 2008 (ISSN 0972-5105).

Gupta, D. and Anand, A. 'Empirical Testing of Strong Form of Market Efficiency'. *Asia Pacific Business Review*. IV(3) July-September 2008, (ISSN 0973-2470).

SRI GURU TEGH BAHADUR KHALSA COLLEGE

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Lakhwant Singh	M.A. Punjabi	I
Heikham Evelin	M.Sc. Botany	I
Gurpreet Kaur	M.A. Punjabi	I
Shalu Kaur	B.A. (Hons.) Punjabi	I

Library Development

Total Budget	:	Rs.7 lakh
Books added	:	1350
Journals subscribed	:	45

Honours/Distinctions

Dr. G.S. Sodhi: Received Gold medal at the 'Innovators Competition for Lockheed Martin India Innovation Growth Program', presented by University of Texas and FICCI, May 2008.

Patent on Detection of latent fingerprints on moist, non-porous surfaces.

Dr. Smita Mishra: Awarded Bharatendu Harishchandra Mann Puraskar for her book *Electronic Media: Badalte Aayam*.

Dr. Vanita Kaur: Awarded Sahitya Academy Translation Award, also Convener, Sri Guru Granth Sahib Research Centre and Saraswati Samman (KK Birla Foundation).

Seminars/Conferences held

The Department of English organised a creative writing Workshop on poetry by Dr. Sukrita Paul, a prolific writer.

The Department of Hindi organised a Seminar on 'Sports Media in a changing society', 4 December 2008.

Seminars/Conferences attended

Dr. Jaswinder Singh: Presented a paper on 'Higher Education Challenges and Perspectives in India and World', Department of Economics and Finance, Deakin University, Melbourne, Australia.

Dr. Kuldeep Kaur Pahwa: Participated in International Conference on Resurgence of Sufism as a universal movement for peace and development, Pakistan, 18-20 July 2008.

Mr. Santosh Kumar Rai: Attended a Workshop on 'Translational Labour, Translational Methods', Summer Institute for Global Labour History at the New College, University of Toronto, Canada, 8-14 June 2008.

Mr. Kuljeet Singh: Presented 'Campus Theatre Tradition' in the International Conference of CLAI (Comparative Literature Association of India) at Hyderabad, January 2009.

Mr. Shalin Jain: Presented research paper 'The Jain Sects in Medieval India: The Issues and Identities', at 20th Conference of International Association of Historians of Asia, Jawahar Lal Nehru University, New Delhi, 14-17 November 2008.

Mr. Santosh Kumar Rai: Presented a research paper 'Many Madanpuras: Memories and Histories of Migrant Weavers of Northern India During 19th-20th Centuries', at 20th Conference of International Association of Historians of Asia, Jawahar Lal Nehru University, New Delhi, 14-17 November 2008.

Dr. Kuldeep Kaur Pahwa: Participated in two-day National Seminar on 'Gurbani Jivan Jaach', organised by Kenya Maha Vidyalaya, Jalandhar, as a resource person and delivered a lecture on Gurbani: Manav Hitaishi Pravachan, 23 September 2008.

Dr. Baldev Singh: Presented three papers, 'National Innovation System in the area of Liberalization' at IIT Kanpur, 'Growth Structure & Performance of Agro-Processing Industry' at Punjab University, Chandigarh, and 'Fast Globalizing Indian Economy', at Punjabi University.

Dr. Sumanjeet Kaur: Presented a paper, 'Removal of Arsenic from waste water using Techola Grandis' at Annual Chemistry Com 2008, Chandigarh.

Dr. Kamaldeep Kaur and Ms. Harleen Kaur: Attended a Seminar on 'Retail in India- Opportunities & Challenges', Punjab University.

Mr. Santosh Kumar Rai and Mr. Shalin Jain: Attended a Workshop on 'Historiography and Research Methodology' a organised by Indian Council of Historical Research, New Delhi, 23 June-6 July 2008.

Mr. Shalin Jain, Department of History: Presented a research paper 'Mughal Awadh as described in Ardhkathanak of Banarsidas', in a Symposium on 'Awadh: From Sharqi Rulers to Colonial Times', organised by Uttar Pradesh History Congress under the aegis of the Department of Medieval and Modern Indian History, University of Allahabad, Allahabad, 18-19 October 2008.

Mr. Santosh Kumar Rai: Presented a research paper 'Becoming an Ansari: The Muslim weavers of colonial Awadh', in a Symposium on Awadh: From Sharqi Rulers to Colonial Times', organised by Uttar Pradesh History Congress under the aegis of the Department of Medieval and Modern Indian History, University of Allahabad, Allahabad, 18-19 October 2008.

Dr. Asad Ahmed: Presented a paper 'Religious Virtues of Mohhamed bin Tughlaq', at History Congress at Allahabad, UP.

Dr. Amarjeet Kaur: Presented 'Punjabi nari-kaav srijana ate chintan', at Kendri Punjabi Lekhak Sabha and Ludhiana Sahit Akademi at Ludhiana on 26 January 2009 and 'Kinh Minh Akhar' at Naari Manch, Amritsar, 11 November 2008.

Dr. Savinder Kaur: Presented a poster titled 'Electron-impact study of AlH', at XVIIth National Conference; DAE-BRNS, Symposium on 'Atomic, Molecular and Optical Physics', IUAC, New Delhi, 10-13 February 2009.

Publications

Books

Jhamb, H.V. Jointly authored 3 volume on *Accountancy for National Institute of Open Schooling*.

Kaur, V. 2009. *Navi Punjabi Alochna and Kahani Dian Partaan*. Ludhiana: Chetna Prakashan.

Kaur, A. *Dhammi Vela*.

Research Articles

Sodhi, G.S. 2009. 'Small particle reagents: Development of fluorescent variants', *Science and Justice*, 48.

Jain, S. 2009. 'Merchants and the Rulers: The Jain Traders in the Early Seventeenth Century Agra' in Asthna, P. and Jafri, S.Z.H. (eds), *Transformations in Indian History*. Delhi, pp. 290-8.

2008. 'The Centre and the 'Locality' in Mughal India: The case of Mantri Karam Chand Bachhawat of Bikaner', in Proceedings of the Indian History Congress, 68th Session, Delhi, pp.332-9.

2008. 'Indian Historiography on the Jain Community under the Mughals' in Pratap, M. and Jafri, S.Z.H. (eds), *Region in History*, Delhi, pp.138-42.

Santosh, R.K. 2008. 'Histriography on Weavers and Weaving with Special Reference to Early Twentieth Century United Provinces', in Pratap, M. and Jafri, S.Z.H. (eds), *Region in History*, Delhi, pp.375-83.

Wadhwa, A. 2008. 'Study of damped harmonic oscillations through PC', *Journal of Physics Education*, 25(2), IAPT, Pune, India.

2009. 'The study of oscillations using an electronic counter', *Journal of Physics Education*, 44(1), IOP, London, UK.

Verma, S., Arora, S.C., Datt, G. and Verma, S. 2009. 'Operators on Lorentz sequence spaces', *Mathematica Bohemica* (Czech Republic), 134(1): 87-98.

Arora, S.C., Datt, G. and Verma, S. 2008. 'Multiplication and composition operators on Lorentz-Bochner spaces', *Osaka Journal of Mathematics*, Japan, 45: 629-41.

SHAHEED RAJGURU COLLEGE OF APPLIED SCIENCES FOR WOMEN

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ms. Neha Rastogi	B.A.Sc. (Hons) Electronics	I
Ms. Kavita Gupta	B.A.Sc. (Hons) Electronics	I
Ms. Mahima Sharma	B.A.Sc. (Hons) Instrumentation	I
Ms. Namita Seghal	B.A.Sc. (Hons) Instrumentation	II
Ms. Saifi Gulati	B.A.Sc. (Hons) Instrumentation	III
Ms. Shipra Bhargava	B.A.Sc. (Hons) Food Technology	I
Ms. Neelam Upadhyay	B.A.Sc. (Hons) Food Technology	II
Ms. Pinki Aggarwal	B.A.Sc. (Hons) Food Technology	III
Ms. Nidhi Gupta	B.Sc. (Hons) Biomedical Science	II

Library Development

Books added	:	335
Journals subscribed	:	12

New Additions

Dr.Sneha Kabra - Instrumentation Dr. Mohd.Saqib Ansari - Computer Science
Mrs.Aakanksha - Computer Science Mrs.Indu Arora - Biomedical Science
Mrs. Deepali Bajaj - Computer Science

Honours/Distinctions

Ms. Amita Kapoor: Awarded a prize for the best presentation by Ph.D. students in the International Conference Photonics 2008, organised by IIT Delhi in December 2008.

Seminars/Conferences attended

Dr. S. Lakshmi Devi: 'Women in Decision Making and Higher Education', UGC Workshop on capacity building of women managers in higher education, Kirorimal College, Delhi, 29 January 2009.

'Women in Decision Making and Higher Education', Bina Roy Memorial Seminar, University Women Association Delhi, All India Women Conference, 8 March 2009.

Dr. (Mrs.) Sneha Kabra, Dr. H. Kaur, Dr. S. Haldar and Dr. R.S. Gupta: 'Impact of Non-Uniformly Doped and Multilayered Asymmetric Gate Stack Design on Device Characteristics of Surrounding Gate MOSFET's, Workshop on 'Compact Modeling' (WCM-2008), Boston, USA, 1-5 June 2008.

'A Comparative Analysis Using Modeling and Simulation to Study the Impact of Multilayered Gate Dielectric (MGD) Design on Device Performance of Surrounding Gate MOSFET', The XXIX General Assembly of the International Union of Radio Science, Chicago, August, USA.

'Asymmetric Multilayered Gate Dielectric (AMGAD) Surrounding gate MOSFET: A New Structural Concept for Improved Device Performance', Microwaves - 2008, Jaipur.

'Impact of Laterally Asymmetric Channel and Gate Stack Design on Device Performance of Surrounding Gate MOSFETs: A Modeling and Simulation Study', Asia Pacific Microwave Conference, Hong Kong, 16-18 December.

'A Two-Dimensional Threshold Voltage Model for Asymmetric Gate Stack Surrounding Gate MOSFET', MATEIT - 2008, New Delhi, 26-28 September.

Ms. Amita Kapoor and Dr. E.K. Sharma: 'Long Period Grating Refractive Index Sensor: Optimal Design For Single Wavelength Interrogation', Proceedings of Photonics 2008, Fibre Optics and Photonics, Delhi, December 2008.

Ms. Amita Kapoor, Dr. Geetika Sharma and Dr. E.K. Sharma: 'Er-LiNbO₃ Waveguide: Field Approximations for Simplified Gain Calculations in DWDM Application', Proceedings of Photonics 2008, December, Delhi.

Publications

Singh, R. 2008. 'Food Basics: Block-Introduction to Food Science'. In *Food Fundamentals and Chemistry*. P.G.Diploma Course on Food Safety and Management. New Delhi: IGNOU, pp.1-30.

SRI AUROBINDO COLLEGE

Seminar/Conference attended

Dr. Hari Om, Sh. Subansh Pd. Singh, Mrs. Renuka, Anup Kumar and Dr. M.L. Gupta: Participated in an International Seminar on 'Micro Finance', organised by Jamia Millia Islamia University, New Delhi.

Library Development

Total Budget : Rs.3,90,000.00
Books added : 724
Journals subscribed : 13

Publications

Singh, D. and Kohli, J.K. 2008. 'Function spaces and strong variants of continuity', *Applied Gen. Top.*, 9(1): 33-8.

Singh, D., Kohli, J.K. and Kumar, R. 2008. 'Generalization of z-supercontinuous functions and D_α - supercontinuous functions', *Applied Gen. Top.*, 9(2): 239-51.

Singh, D., Kohli, J.K. and Arya, C.P. 2008. 'Perfectly continuous functions', *Stud. Cerc. St. Ser. Mat.*, 18: 99-110.

Jha, A. 2008. *Traditional Knowledge System in India.* Atlanta Publishing House.

Shahnaaz T. 2008. *Business English.* New Delhi: Pearson Education India Ltd.

Rajput N. 2008. *Values and Ethics in Business.* New Delhi: Taxmann Publication.

SRI GURU NANAK DEV KHALSA COLLEGE

New Courses/Subjects Introduced

Under Career-oriented course scheme:

Computer Applications

Tourism

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Rashmi Jain	BBE	I
Shilpa Wadhawan	BBE	III

Library Development

Total Budget : Rs.4,36,000.00
Books added : 1,330
Journals subscribed : 61

Honours/Distinctions

Gurdeep Kaur: Awarded three months' Visiting Fellowship at Katholike University, Leuen, Belgium.

Seminars/Conferences held

National seminar on 'Guru Granth Sahib: A Source of History' was organised on 4 February 2009.

Workshop on 'Adhunik Media: Vividh Ayam' was held on 17 February 2009.

A Seminar on 'Perspectives on Theatre in the Early Twentieth Century: Theory, Pedagogy and Performance', was organised on 18 February 2009.

Seminars/Conference attended

Dr. Manmohan Kaur: Participated in an Orientation Programme on 'Planning and Management of Higher Educational Institutions', NUEPA, Delhi, 15-19 December 2008.

Dr. Jagjit Kaur: Presented a paper, 'Application of Mathematics in Social Sciences', in the conference on Application of Maths, at Jamia Millia Islamia, New Delhi, 21 December 2008.

Dr. Amrinder Kaur: Presented a paper, 'Marketing of Financial Services', at a workshop on Emerging Issues in Finance, Department of Business Economics, Delhi University South Campus, 9 February 2009.

Dr. Maneesha Roy: Presented a paper, 'World Order: Problems and Prospects', in Annual Conference of Indian Political Science Association, J & V University Jodhpur, 2008.

Publications

Kumar, D. 2008. *Ramayana Mahima*. Delhi: Vidya Nidhi Prakashan.

Kundra, B. 2009. *Mass Communication in Changing Perspective* (in Hindi). New Delhi: Takshila Prakashan.

Pillai, G. 2008. *Judicial Intervention in Human Rights and Environment: A Consequence of Legislative-Executive Inaction*. New Delhi: Paragon International Publishers.

Kaur, A. 2009. 'Marketing of Financial Services of Commercial Banks with International Perspective', (Ph.D thesis). Department of Management and Business Studies, Jamia Millia Islamia, New Delhi.

Kaur, B. 2008. 'Women in Modern British Drama'. (Ph.D thesis). Department of English, Jamia Millia Islamia, New Delhi.

Kundra, B. 2009. 'Live in relationship ka karwa sach'. *Bhartiya Paksh*, January 2009. New Delhi.

Kaur, P. 2008. 'Soch De Dehliz Te Pustak Vich Anter Rashtry Parvasi Nari Di Soch'. *Samdarshi*.

2008. 'Agg Dian Leekan Te Aakar: Ekpathgat Adhian In Adbi Mehak'. *Adbi mehak*.

SHIVAJI COLLEGE

New Courses introduced

Two new Application Courses were introduced B.A. (Programme) in the (1) Fitness, Aerobics and Gym Operations and (2) Creative Writing in Hindi.

Library Development

Total budget	:	Rs.7,67,300.00
Books added	:	1,450
Journals subscribed	:	05

New Additions

Ms. Reetika Rana	-	Economics	Mr. Sumeet Singh	-	Economics
Mr. Krishna Ram	-	Economics	Ms. Kumari Priyanka	-	Mathematics
Mr. Ahish Kr. Jharwal	-	Mathematics	Ms. Vandana Katoch	-	Chemistry
Mr. Rajeev Kumar	-	Chemistry	Mr. Nand Gopal Giri	-	Chemistry
Mr. Rahul Singhal	-	Chemistry	Ms. Deepika Yadav	-	Zoology
Ms. Nimita Kant	-	Zoology	Mr. Manish Kr. Sachdeva	-	Zoology
Ms. Nishta Srivastava	-	History	Ms. Ritua Madan	-	English
Ms. L. Gitarani Devi	-	English	Mr. Ramesh Kumar	-	Commerce
Mr. Rajinder Singh	-	Commerce	Ms. Jyoti Chanhhal	-	Commerce
Ms Jyoti Sharma	-	Hindi	Mr. Darshan Pandey	-	Hindi
Ms. Raj Kumari	-	Hindi	Mr. Vikas Sharma	-	Hindi
Ms. V. Prabhavathi	-	Botany			

Honours/Distinctions

Dr. Arjun Ghosh: Visiting Fellow at the Centre for the Study of Democracy at University of Westminster, London.

Awarded Fellowship by the prestigious Indian Institute of Advanced Study, Shimla for 2009-10 to work on the project titled 'Freedom from Profit: Eschewing Copyright in Resistance Art'.

Seminars/Conferences held

A seminar was organised by the Department of Business Economics on 'Stock Market Operations', on 24 October 2009.

Ms. Gitarani and Ms. S. Hangzo: Participated in a one-day seminar jointly organised by the English Deptt. of Shyamlal College and the Deptt. of English, Delhi University, titled 'Text, Pedagogy and Discourse', on 6 February 2009.

A workshop on 'Application of Remote Sensing and GIS in Geography' was held under the Geography Department, 20 November 2008.

Dr. Shama Mitra Chenoy: Presented a paper in an International Seminar on 'Medieval Cities' organized by JNU. She also gave a lecture at Lakshmibai College on 'Economy of Shahjahanabad', January 2009.

Ms. Nishtha Srivastava: Presented a paper in a session of the Indian History Congress (68th Session, Delhi 2007) titled 'Caste Associations and their Role in the Age of Indian Naturalism, UP, 1920-3'. She presented a paper in the weekly seminar of the Deptt. of History, Delhi University, titled 'Language of Identity; Bhasha of the Hindi Journals in the United Province 1920-30', 5 November 2008.

Seminars/Conferences attended

Dr. Arjun Ghosh: Presented a paper at the European Conference of Modern South Asian Studies at Manchester in July 2008 on 'Comparative Perspectives on Politico-Cultural Performances in Contemporary India', jointly with Dr. Dibyesh Anand, Reader in International Relations, Centre for the Study of Democracy, University of Westminster, London, July 2008.

Presented a paper on 'Making Space for Change: The Spectator's view of Proletarian Theatre' at the Ninth CLAI (Comparative Literature Association of India) Biennial International Conference, Hyderabad, January 2009.

Delivered a Lecture on 'Political Theater of India-History, contemporary characteristics, and challenges in the Globalised era' at the International Theatre Festival of Kerala, organised by the Kerala Sangeetha Nataka Academy, Kerala, December 2008.

Presented a paper 'Theatre for Development / Theatre of Resistance: Augusto Boal and Safdar Hashmi in Theory and Practice' at the seminar on 'Development Paradigms and the Cultures of Resistance: A Comparative Perspective from India and Latin America', organised by Jamia Millia Islamia.

Dr. Lalita Rana, Deptt. of Geography: Attended the 30th Indian Geography Congress of NAGI and presented a paper titled 'The Scope of Geography as a Professional Discipline', Allahabad, 19-21 December 2008.

SRI GURU GOBIND SINGH COLLEGE OF COMMERCE

Seminars/Conferences held

The Department of Business Economics organised a series of seminars this year on a variety of issues.

A seminar on 'Sri Guru Gobind Singh: Apostle of Universal Brotherhood' was organised as a part of the Founder's Day Celebrations on 29 January 2009.

Seminars/Conferences attended

Mrs. Rachna Sethi: Presented a paper 'Heuristic Knowledge Discovery using Genetic Algorithms and Rough Set Theory', at an International Conference on Data Management, IMT, Ghaziabad.

Mrs. Vandana Kalra: Presented her paper titled 'Variable precision Rough Set Decision Tree Model' in the 3rd National Conference on Computing for Nation Development at Bhartiya Vidya Peeth, Delhi.

Mrs. Aradhana Nanda: Presented a paper on 'Globalization, Resilience in context of equity', in the Department of African Studies, Delhi University.

Dr. Kawal Gill: Presented a paper on 'Chinese ODI and Its Impact on Indian Telecommunication Industry', in an International Conference on 'China Goes Global' held at Harvard Kennedy School, Harvard University, Cambridge, USA, 8-10 October 2008.

Presented a paper on 'Internationalisation of Chinese Multinationals- A case of Lenovo', in an International Conference on Globalisation and Emerging Economies held at the Indian Institute of Management, Indore, 11-13 August 2008.

Dr. Harvinder Kaur: Presented a paper titled 'Review of Indian Stock Market during 2007-08 from 'Boom to Bust' in a National Seminar on 'Volatility in Stock Market', held at Delhi College of Advanced Studies affiliated to Guru Gobind Singh Indraprastha University Also published in *NICE Journal of Business*, Vol. III, No. 1, January-June 2008.

Publications

Singh, A. 'Tara Singh De Kaav Saranchana'.

Kaur, H. 'Reservations in Institutes of Higher Education: Implications for Indian Democracy', *Samaj Vigyan Patrika*.

Chaturvedi, D.D. *Principles of Economics* (English and Hindi).

Nanda, A. 'Globalization of Indian Agriculture' in a book edited by Dr. Tapan Biswal.

Kaur, H. A book review of *Financial Planning* by Madhu Sinha, New Delhi: Tata MacGraw Hill Ltd.

Dodrajka, S. Paper published on 'Major Dimensions of TQM' in *Review of Commerce Studies*, Department of Commerce, Delhi School of Economics, Delhi University.

Arora, G. 'Mergers and Acquisitions in Indian Corporate Sector', abstract of Ph.D. thesis.

SRI VENKATESWARA COLLEGE

Major Activities

The South Asian Parliamentary Debate Rhetoric 2008 (9-13 October 2008), hosted by the College, was inaugurated by Prof. Deepak Pental, Vice Chancellor, Delhi University on 9 October 2008. Dr. S.K. Khurana, Ag. Principal, presided over the function. This has been acclaimed as one of the best events organised in the whole of South Asia. It witnessed the participation of 58 teams from Colleges of India, Pakistan and Bangladesh. The event was sponsored by WIU.

The Distinguished Lecture Series has become an important forum wherein eminent economists and policy makers have been coming and enlightening our students with their views on subjects of relevance.

Under the aegis of the Distinguished Lecture Series, a lecture on 'Impact of Globalization on the Indian Economy' was delivered by Prof. Amit Bhaduri, Professor Emeritus, Jawaharlal Nehru University, and Professor, Council for Social Development.

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Anjali Sharma	B.Sc. (Hons.) Chemistry	I
Upasna Thapar	B.Sc. (Hons) Biological Science	I
Hemant Sahni	B.Sc. (Hons.) Bio-Chemistry	I
Ajeesh MS	B.Sc. (Hons.) Electronics	I
Kritika Kirty	M.Sc. Zoology	I
Nilamber Chhetri	B.A. (Hons.) Sociology	II
Sneha Gupta	B.A. (Hons.) Mathematics	II
Ami Choubey	B.Sc. (Hons.) Botany	II
Sandhya G	B.Sc. (Hons.) Biological Science	II
Jatin Nagpal	B.Sc. (Hons.) Bio-Chemistry	II
Rathik Bansal	B.Sc. (Hons.) Electronics	II
Rohit Singhal	B.Sc. (Hons.) Statistics	II
Evanka Madan	B.Sc. (Hons.) Biological Science	III
Surya G	B.Sc. (Hons.) Biological Science	III
Tanvi Deora	B.Sc. (Hons.) Biological Science	III

Library Development

Total Budget	:	Rs.12,72,500.00
Books added	:	3,033
Journals subscribed	:	75

Seminars/Conferences held

The Bio-informatics Centre of the college conducted a National Conference from 21 to 23 January 2009 on 'Drug Discovery & Development', which was sponsored by the Department of Biotechnology and the University Grants Commission.

A poster presentation session was also organised and the Schroginger Best Poster Award was given to four participants.

Seminars/Conferences attended

Dr. Yudhvir K. Boon: Attended the International Conference of the Association of Microbiologists of India.

Dr. R.P. Singh: Attended the National Conference on Drug Discovery and Development held at Delhi University South Campus, January 2009.

Dr. Aarti Saxena: Attended a conference on Making way for the feminine: For the benefit of the world community, organised by the Global Peace Initiative of Women, Jaipur, 2008.

Dr. Shukla Saluja: Presented paper titled 'Modulation of axillary bud growth by phytohormonal compounds in surgically modified seedlings of *Cicer arietinum*', at a National Seminar on 'Plant Physiology: Challenges and Emerging Strategies for Improving Plant Productivity', Indian Agricultural Research Institute, New Delhi, 12-14 November 2008.

Dr. N. Latha: Organised and convened a National Conference on Drug Discovery & Development sponsored by DBT and UGC, 21-23 January 2009.

Delivered a talk at a National Symposium on Biocomputing at Annamalai University, Chidambaram, Tamilnadu, 23-24 February 2009.

Delivered a lecture on 'Computer Aided Drug Design' at a workshop in Bioinformatics organised by the Environment Society, INSA, New Delhi.

Dr. Nandita Narayanasamy and Dr. Meenakshi Kuhar: Attended a National Conference on Drug Discovery & Development, Delhi University South Campus, January 2009.

Dr. Nutan Kala Joshi: Attended a Conference on Medical Electronics, FICCI, 19 February 2009.

Dr. Biswamoy Pati: Presented a paper 'The diverse implications of legitimacy: Rituals, state and the common people in colonial Orissa, 1800-1940s', International Conference on 'Ritual Dynamics and the Science of Ritual', 29 September-2 October 2008.

'Early negotiations with India's diversities: The Nehruvian state and Orissa, 1947-52', International Seminar on Nehruvian Legacy in a Neo-Liberal Era, held at Jamia Millia Islamia, New Delhi, 12-14 November 2008.

'Religion and Social Subversion: Re-examining Colonial Orissa', Workshop on 'Savage Attack: Adivasi Insurgency in India' at Goldsmiths College, University of London, and University of Edinburgh, 30 June-1 July 2008.

Dr. Vandana Joshi: Presented a paper, 'The Racial Community, its Female Brigade of Denouncess, and The "Aliens" in the Third Reich', Fourteenth Berkshire Conference on the History of Women 2008, Minnesota University, USA, 12-15 June 2008.

Mr. Pranta Pratik Patnaik: Presented a paper titled 'Cinema, Satyagraha and Everyday Life' in Satyagraha Centenary International Conference in JNU, New Delhi, November 2008.

Mr. S. Krishna Kumar: Attended a Seminar on 'Money in Contemporary Criticism, organised by NETWORKIDEAS, New Delhi, and an International Conference in honour of Professor Amartya Sen Vigyan Bhawan, New Delhi, 19-20 December 2008.

Dr. Roopali Sircar Gaur: Participated and presented papers in International Conferences at Department of Sociology, Howard University, Washington DC, in 2008. Lecture on Food & Culture & BVS Boy & Poets – Poetry Reading.

Dr. Indrani Sen: Presented a paper titled 'Colonial domesticities, fractious interactions: Ayahs and Memsahibs in Colonial India', at the XX Conference of IAHA at JNU, 14-17 November 2008.

Mr. Pranjal Trivedi: Attended International Conference Cosmic Microwave Background and Large Scale Structure, IUCAA Inter-University Centre for Astronomy, Astrophysics, Pune, 22 July –1 August 2008.

Dr. Agam Kumar Jha: Presented papers 'Dae-Brns High Energy Physics Eymposium' From at BHU, Varanasi and 'Study of QGP-Ha-from phase structure in a statistical model with Cornell Potential, 14-18 December 2008.

Dr. Rupali Suresh: Presented a paper titled 'Simultaneous measurements of pressure & temperature using embedded F & G Sensor', International Conference on Photonics 2008 at IIT Delhi, December 2008.

Presented a paper titled 'Bamboo as green structural element', International Congress of Environment Research at BITS Pilani Goa Campus, December 2008.

Attended a Seminar 'Theory & Application of FBG sensors', conducted by the Department of Instrumentation, IISc. Bangalore, April 2008.

Ms. Vartika Mathur: Attended a National conference on Drug Discovery and Development, organised by Bioinformatics Centre, Sri Venkateswara College, 21-23 January 2009.

Attended an International Seminar on 'Indirect defences in facultative and obligate plantcarnivore mutualism-Field study in Mexico' by Dr. Martin Heil, at Wageningen University, The Netherlands, 21 May 2008.

Attended a Workshop on 'Information Literacy, including Introduction Endnote', at Wageningen University, The Netherlands, 27-28 May 2008.

'Basic Biostatistics using SPSS', at Wageningen University, The Netherlands, 16-20 June 2008.

Publications

Singh, R.P. published two research papers/articles titled 'Spectroscopic and electrochemical properties of organic framework of macrocyclic oONNoo – Donor ligand with its metal organic frme work spectrochimica Acta Part A, 71 2008, 305 – 311; Synthesis, spectroscopic, XRPD and computational study of transition metal-organic frameworks (TMOFs) of from (6R)-6-(a-Pheny1-D-glycy1-amino) penicillanic acid (Russian J. of Inorganic Chemistry, 2009.

Prasad, N.V.S.R.K. Author cum Development Committee member for NCERT Lab manuals (Biology) for Class XI and Class XII.

- Saxena, A.** 'Food for thought', *The Hindu*.
- Sha, S.K.** *Mathematics for Life Sciences*.
- Pati, B.** (Co-author). 'The Leprosy patient and society: Colonial Orissa, 1870s-1940s', in B. Pati, *The Social History of Health and Medicine in Colonial India*. UK: Routledge.
- Pati, B.** 'Historians and Historiography: Situation 1857', in B. Pati (co-ed), *1857: Essays From Economics and Political Weekly*. New Delhi: Orient Longman.
- Mishra, J.** *NPT and Developing Countries*.
- Seenivasan, S.** *Oppilakkiyam: Inavavaraiviyal Samookam*.
- Vivekananthan, S.** Published papers/articles on 'Avvaiyars in Kanyakumari District' (Tamil University), 'History of Nagas', (Alagappa University), 'Nagaraja Temple' (Madurai Kamraj University). He published a book, *Applied Grammar; Neelan Saritham*. He was conferred with 'Tamil Silpy' award by International Tamil Conference and Delhi Tamil Sangam.
- Gaur, R.S.** *The Twice Colonised: Women in African Literature 1995*. New Delhi: Creative Books.
- Sen, I.** *Memsahibs' Writings: Colonial Narratives on Indian Women*. 'Inscribing the Rani of Jhansi in colonial Mutiny Fiction', in *1857: Essays from the Economic and Political Weekly*. New Delhi: Orient Longman.
- Jha, A.K.** 'Effect of finite chemical potential on QGP-Hadron phase transition in a statistical model of fireball formation' and 'Effect of the curvature on a statistical model of quark-G/non-plasma fireball in the hadronic medium'.
- Boon, Y.K.** Authored books 'Mycorrhizal inoculation of Jatropha' chapter in Biofuels by D N Tiwari, Parbhat Publications, New Delhi and 'Ayurved Pranacharya' Ayush Vikas Parishad (Retd), Lucknow awarded in Rishikesh.
- Pandey, A. 2008.** 'Nano cryst alline Ba Ca So4: Eu for Ion Beams Dosimetry'. *Journal of Applied Physics*, 104: 033520.'

SHAHEED BHAGAT SINGH COLLEGE

Honours/Distinctions

Dr. Suman Bala: Elected Editor in Chief, *Indian Journal of English Studies*.

Seminars/Conferences attended

Dr. Suman Bala: Attended 12th Jerusalem Conference in Canadian Studies, organised by Hebrew University of Jerusalem, Israel, 16-19 June 2008.

Presented a paper on 'Women's Voices as mode of Resistance, Minorities in Canada and India', at the ACSANZ Conference, University of Queensland, Brisbane, 1-3 July 2008.

Presented a paper on 'Subversive Female Voices, Change, Conflict and Convergence', at IV International Conference of Association for the Study of Australasia in Asia, Kandy, Sri Lanka, 2-5 December 2008.

Dr. Amit Kumar Singh: Presented a research paper 'IPO Pricing, Informational Inefficiency and Misallocation in Capital Market', XI Annual Conference on Money and Finance, Indira Gandhi Institute of Development and Research, Mumbai, January 2009.

Mr. Anand Prakash: Presented two papers titled 'Impact of Global Financial Crisis on the growth of Retail in India' and 'Policy response to Prospects of FDI in Retail Trade in India' at the 10th International Seminar on 'Organized Retailing: Boon or Bane', New Delhi, 4-5 January 2009.

Dr. Harish Handa and Ms. Meera Mehta: Presented a paper on 'Testing the Efficient portfolio of BSE 30 Index' at the International Colloquium of Banking and Management at Bangkok November 2008. Dr. Harish Handa was also the keynote speaker at the seminar hosted by the Institute of Chartered Financial Analysts of India (ICFAI), August 2008.

Mr. K.B. Veio Pou: Presented a paper on 'Rebuilding Relationship Rationally: The way to peace in Manipur' at the Seminar on 'Peace is Essential for Development', organised by the Gandhi Peace Foundation, New Delhi, 7 February 2009.

Ms. Nilanjana Mukherjee: Presented a paper titled 'India in London Panorama Shows: The Birth of a Place', at the 9th Biennial International Conference organised by the Comparative Literature Association of India, Hyderabad, January 2009.

Dr. Poonam Sharma and Dr. V.A.V. Raman: Attended a seminar on 'Displacement, Resettlement and Rehabilitation: Existing Laws and Role of Judiciary', organised by the Rajiv Gandhi Institute of Contemporary Studies, Rajiv Gandhi Foundation, New Delhi, 26 February 2009.

Dr. Anil Sardana and Mr. Raj Kumar Aggarwal: Organised a talk on 'The Potential of joining the Profession of Company Secretary' with a resource person from the Institute of Company Secretaries of India.

Publications

Arora, S. E-Commerce (Electronic Commerce).

Kumar, K. *Manav Mulyon Ki Awdharna aour Sant Dadu Ka Kavya.*

Bhaskar, K. *Bhumandlikaran aur Istri.*

SHAHEED BHAGAT SINGH COLLEGE (EVENING)

Major Activities

Shaheed Bhagat Singh Memorial Lecture Delivered the Professor Amar Farooqui, 23 March 2009, Eminent historian:

The Department of Commerce organised a lecture 'Global Financial Crisis and Implications for India'.

The Department of Political Science organised a lecture on 'What President Obama means to India: Indo-US Relations'.

The Department of Geography organised a lecture on 'Watershed Management'.

New Additions

Dr. Kavita Yadav	-	Commerce
Mr. Sunder Singh	-	Commerce
Mr. Sunil Kumar	-	Commerce
Mr. Amit Soni	-	Economics
Mr. Prem Kumar	-	Economics
Ms. Nidhi Lakhotra	-	Political Science

SATYAWATI COLLEGE

Library Development

Total Budget	:	Rs.4,35,104.00
Books added	:	1,652
Journals subscribed	:	17

SATYAWATI COLLEGE (EVENING)

Major Activities

The college organised the Eighth Satyawati Memorial Lecture which was delivered by Prof. Deepak Pental, Vice Chancellor, Delhi University, on 26 February 2009. The Vice Chancellor spoke on 'How to make India a great country', and underscored the need for abandoning our feudal mindset and rising above narrow political gains by strengthening our democratic institutions to make India a great country.

To sensitize the college community to issues beyond our immediate environment, the college took a lead in organising an audio-visual lecture titled 'War and Art: Representations in Picasso's Guernica and Goya's The Third of May 1808' on Tuesday, 3 March 2009. The lecture on these two world famous paintings was delivered by eminent artist Mr. Ashok Bhowmick, a Delhi based professional artist.

In collaboration with the Department of Adult, Continuing Education and Extension, Delhi University, the college organised a Workshop on 'Capacity Building Initiatives', 21-25 February 2009.

Library Development

Total Budget : Rs.624,000.00
Books added : 2,175
Journals subscribed : 19

New Additions

Dr. Ramesh Kumar Sarin - Political Science
Mr. Dharmender Kumar - Mathematics
Mr. Parkash Veer Dahiya - Political Science

Honours/Distinctions

Dr. Madan Gopal Singh, Associate Professor, Department of English, has been awarded Senior Fellowship at Jawaharlal Nehru Memorial Museum and Library to work on Popular Culture.

SCHOOL OF REHABILITATION SCIENCES

New Course

The PGDSE course

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Deepika Kangotra	PGDSE	I
Divya Rana Chenagappa	PGDSE	I
Movika Dewan	PGDSE	I
Kanwal Deep Kaur	PGDDT	I

Library Development

Total Budget : Rs.1,30,000.00
Books added : 85
Journals subscribed : 14

New Addition

Manjusha Dobhal: Appointed as Lecturer, Post Graduate Diploma in Developmental Therapy.

Seminars/Conferences attended

Attended Indira Gandhi National Open University (IGNOU) for developing a practical training manual for the Post Graduate Diploma in Disability Management (PGDDM) course for Medical Practitioners.

Preparing practical manual for the diploma course developed by IGNOU to train parents/primary level professionals to work with children with cerebral palsy.

Participated in the inaugural session of the newly set up National Centre for Disability Studies (NCDS) at IGNOU.

Conceptualized the Continued Rehabilitation Programmes (CRE) in the field of disability in general and cerebral palsy, specifically, for the RCI.

Participated in the national level meeting organised by RCI at Chennai to discuss the need for trained human resource in light of the UNCRPD.

Conducted a three-day training for the National Institute for Public Cooperation and Child Development (NIPPCD) to familiarise organisations to issues in the field of disability.

Delivered a lecture on Human Rights and Disability on the Human Rights course organised by the Equal Opportunity Cell at Delhi University.

Participated in the national-level seminar organised by Sense International on Inclusion of People with Deaf Blindness.

Conducted a training for DSE (MR) students of NIMH on 'The Condition of Cerebral Palsy - Its Assessment & Management'.

Conducted training for Primary School Teachers of Col.Satsangi Kiran Memorial School (CSKM), on addressing the diverse needs of children in a classroom.

Conducted two NGO Directors' Training Caregivers Courses for The National Trust, in August-September 2008 and February-March 2009, respectively.

Publications

Manual for Caregivers' Course (National Trust).

Manual for Practical Training - PGDDM (IGNOU).

Manual for Practical Training - Parents & Primary Level Professionals (IGNOU).

SHYAMA PRASAD MUKHERJI COLLEGE (FOR WOMEN)

New Course introduced

B.Ed.

Library Development

Total Budget	:	Rs.5,85,500.00
Books added	:	1,184
Journals subscribed	:	95

New Additions

Ms. Ekta Bhambhari	-	Applied Psychology
Ms. Saruchi Bhatia	-	Applied Psychology
Ms. Rachna Singh Bahoria	-	Commerce
Ms. Jyotsna	-	Economics
Ms. Grima	-	Applied Psychology

Honours/Distinctions

Dr. S.K. Jolly, Principal: Nominated by Delhi Administration in the Advisory Committee for promotion of Peace and National Integration in Minority Commission.

Nominated in the Ethical Committee of Central Research Institute for Ayurveda under the Ministry of Health and Family Welfare.

Nominated Vice-President of Punjabi Sahit Sabhiachar Manch.

Dr. Rakesh Bala Saxena: Honoured with the Bharat Jyoti Award by the India International Friendship Society.

Seminars/Conferences held

The Buddhist Studies Centre organised two-day National Seminar on 'Lord Budha in the Contemporary World'.

The Guru Nanak Studies Centre organised two-day National Seminar on 'Universal Message of Guru Granth Sahib'.

The Gandhian Studies Centre organised two-day National Seminar on 'Hind Swaraj'.

Seminars/Conferences attended

Dr. S.K. Jolly: Principal presented a paper on 'Interfaith Dialogue is a demand of the time', at the International Seminar organised by the Quest for Knowledge Foundation, USA.

Presented a paper on 'Practical Aspects of Guru Granth Sahib' in a National Seminar organised by Pune University.

Ms. Nita N. Kumar: Received the Mellon Fellowship at Harry Ransom Centre, University of Texas, Austin, USA.

Dr. Rakesh Bala Saxena: Attended the UGC National Seminar on 'Revisiting' Sangeet Ratnakar'.

Publications

Jolly, S.K. Ushering an era of social change in Punjab in the 19th Century *Journal History Today*.

Naseem, K. 2008. *Sham ka Pehla Tara*, transliterated and annotated Zohra Nigah's collection of Urdu poetry. Radhakrishnan Prakashan.

Malhotra, P. 2008. '*Sunflowers of the Dark*, translated of Krishna Sobti's *Surajmukhi Andhere Ke*. New Delhi: Katha.

Ara, Z. Federalism. A book published on 'Changing Dynamics of Indian'.

Jhamb, A. 'Gandhi on Communal Harmony'. '*Rediscovering Gandhi*'.

Aggarwal, M. Made a poster presentation entitled 'Breast feeding practices in a low socio-economy group' in the above mentioned symposium. The abstract of the paper was published in the proceedings of the symposium.

SHRI RAM COLLEGE OF COMMERCE

Major Activities

The college celebrated a National Colloquium in Vigyan Bhawan, New Delhi, on 'Global Economic Crisis - Challenges and Opportunities'. Mr. Anshu Jain, Head, Global Markets, Deutsche Bank, London, delivered the keynote speech at the function. In addition, CEOs of many organisations also spoke at the Colloquium.

College classrooms were upgraded with LCD projectors, projection screens, green-boards in lieu of the traditional black boards, and podium for faculty. Faculty members were provided laptops for teaching. Classrooms were refurbished with new flooring, false, ceiling with new light fittings, and desks, doors and windows were polished.

Library Development

Total Budget	:	Rs.19,00,000.00
Books added	:	1,500
Journals subscribed	:	80

New Additions

Mr. Tarun Manjhi	-	Commerce	Mr. Nawang Gialchhen	-	Commerce
Mr. Surya Prakash	-	Commerce	Ms. Neha Gupta	-	Economics
Mr. Rakesh	-	Economics			

Seminars/Conferences attended

Mrs. Kuljeet Kaur: Attended a UGC sponsored seminar on 'Recent Researches in Physical Education & Sports', 6 November 2008.

Publication

Books

Choudhary, S.K. 2008. *Business English for B.Com. Course.* New Delhi: Pearson Longman.

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 life, and the fostering of a sense of national consciousness enlivened by a spirit of public service. During the year under review, we have, as a community, endeavoured to be true and faithful custodians of this legacy. Every great tradition, however, needs to be safeguarded zealously, renewed continually and re-articulated in fresh hope, relevance and vitality within an ever-changing milieu. The fundamental challenge today is to fulfil the educational vision of St. Stephen's College in a fast-changing world, rather than turning Stephania into an idol to be preserved unchanged. The College has maintained a rich tradition of academic excellence and holistic development of its junior members. The College maintains its own tradition of celebrating Founder's Day, Old Students' Meet and Dismissal Service.

Students Academic Distinctions

Srishti Shukla was awarded the Prof. Ram Behari Medal and Prof. M.C. Puri Memorial Gold Medal for securing the highest marks in the M.Sc. Mathematics examination.

Manvitha S. won the Indian Philosophical Congress Medal for securing the highest marks in the M.A. Philosophy examination.

Ms. Pragya Goyal was awarded the Prof. R.S. Verma Memorial Medal for securing the highest marks in the M.A./M.Sc. examination in Operational Research.

Kartik Nair: Won the Dr. S. Radhakrishnan Medal and Principal B.B. Gupta Memorial Medal for obtaining highest marks in the M.A. examination in English.

Avinash Rustagi of B.Sc. Physics (Hons.) stood first in the University, obtaining 1244 marks out of 1350 and won the J.N. Mitra Memorial Prize.

Priyanka Kumar won the Lala Ram Mohan Prize for obtaining the highest marks in the M.A. Examination in History.

Library Development

Total Budget	:	Rs.8,77,680.00
Books added	:	1113
Journals subscribed	:	38

Appointment of faculty members to higher Posts/Assignments

Dr. S.V. Eswaran was appointed Council Member, Chemical Research Society of India (CRSI), for the period 2008-11. He has also been appointed member of the Departmental Research Committee (DRC) and the Board of Research Studies (BRS), Delhi University, for two years.

Rev. Dr. Valson Thampu, the Principal of the College has been appointed to the UGC Working Group to identify 'College with Potential for Excellence' under the XIth Plan. Rev. Dr. Valson Thampu has also been appointed to the 'UGC Expert Committee' in respect of colleges in UP.

Seminars/Conferences attended

The Chemistry Department of the College organised a National Conference on 'Chemistry-Structure, Reaction Dynamics & Spectroscopy, 21-23 August 2008.

Dr. M.G.K. Menon was the Chief Guest. The main objective of the conference was to emphasize both the basic and applied aspects of Chemistry and to expose the students to the latest research trends in the fields of pharmaceuticals, polymers, microelectronics and the emerging areas of material science and nanotechnology. To achieve this, papers on both fundamental and applied aspects of Chemistry in the fields of Natural Products Chemistry, Structural Chemistry, Reactive Intermediates, Modern Spectroscopic Techniques and Material Science were presented. Some of the prominent speakers at the seminar included Prof. S. Radhakrishnan, Dr. E.N. Prabhakaran, Prof. Gurmeet Singh, Prof. P. Raghunathan, Prof. Arnitabh Sarkar, Prof. Rita Kakkar, Dr. Ashok Prasad, Prof. Charusita Chakravorty, Prof. Alok Srivastava, Prof. Anil Kumar, Prof. Rajendra Prasad and Prof. V. Ramanathan.

Publication

Eswaran, S.Y. 2008. 'Cashew nut shell liquid based t-BOC protected alternating high ortho' copolymer as a possible e-beam resist: 'Characterisation using multi--dimensional NMR spectroscopy'. *J. Appl. Polymer Sci.*, 108: 804-10.

SWAMI SHRADDHANAND COLLEGE

Library Development

Books added : 4,000

New Additions

Mrs. Anjali Yadav	- Geography	Miss. Mayanlambam Thoibi Devi	- Zoology
Mrs. Madhulika Singh	- Botany	Mr. Bhoopinder Giri	- Botany
Mr. Gauri Shukla	- Zoology	Dr. (Mrs.) Shiva Upadhyay	- Physics
Dr.(Mrs.) S. Kanodia	- Chemistry	Dr. Suman Yadav	- Chemistry

Seminars/Conferences held

The Department of History, in collaboration with the Indian Formation Society, organised a three-day International Conference on Changing Modes of Production.

The Department of Commerce organised a symposium on 'New Challenges of Corporate Governance in Today's Scenario'.

The Department of Political Science organised an Intra-College Debate Competition on the topic 'Leadership of Indian Politics Should be in the Hands of Youth'.

Coordinator of short-term courses on 'Renewable Energy' organised by the college in collaboration with Mahatma Gandhi Institute of Integrated Rural Energy Planning & Development.

The Department of Sanskrit organised a seminar on 'Pauranic Religion'.

Seminars/Conferences attended

Dr. Shalabh Chikara and Mr. Sanjay Kumar Singh: Attended Refresher Courses at ASC, Jawaharlal Nehru University, and ILL, Delhi University. respectively.

Mr. Manish Sharma Successfully completed an Orientation Programme from ILL, Delhi University.

Dr. Madhu Pruthi was the Co-convener of an International Conference on 'Biodiversity, Environment and Sustainability: Challenges for Future', hosted by our college from 4-6 September 2008 at Conference Centre, Delhi University. All faculty members of the Department attended the conference.

The Department of Microbiology, under the leadership of Dr. Promod Mehta, organised lectures by two eminent scientists in September 2008.

In this programme, Prof. J.S. Verdi, Department of Microbiology, South Campus, spoke on 'Pathogenesis of *Yersinia Enterocolitica*' and Professor Rajiv K. Saxena from School of Life Sciences, JNU, enlightened the students about the scope of Nanotechnology.

Dr. Madhu Pruthi, Dr. Anjana Kapoor and Dr. A. Archana: Attended a three-day programme on 'Applications of Non-Conventional Energy Sources for University/College Students' at Mahatma Gandhi Institute of Integrated Rural Planning and Development, Delhi, 9-11 September 2008.

Dr. Madhu Pruthi, Dr. Promod Mehta, Dr. Anjana Kapoor and Dr. A. Archana: Attended the following seminars/lecturers:

A symposium on 'Medical Microbiology' organised by the Institute of Home Economics at South Campus, 25 September 2008.

A seminar lecture by eminent scientist Prof. Santosh Kar on 'Immunology', organised by Gargi College in November 2008.

Dr. Promod Mehta: Attended and presented a paper titled ‘The cytolethal distending toxin of *Campylobacter jejuni* is required for the induction of proinflammatory chemokine CXCL8’, in a meeting on infectious diseases held at Bangkok, Thailand, 22-27 October 2008.

Dr. Sunil Srivastava: Participated in the Clinical Genomics workshop ‘Know Your Genome’, jointly organised by Human Genome Organization and Institute of Genomics and Integrative Biology, CSIR, at India Habitat Centre, New Delhi, September 2008. Dr. Srivastava was actively involved in the revision of the Microbiology and Biotechnology units in NCERT textbook for class XII Biology and also in the development for Lab Manuals and Question Banks for class XI & XII Biology of NCERT, New Delhi. Dr. Srivastava also presented a paper on ‘Present Status of Plant Viruses for Food Security, Development of Vaccines. Therapeutics and Nanomaterials’ at the 49th AMI conference on ‘Microbial Biotechnology: Diversity, Genomics and Metagenomics’, jointly organised by the Association of Microbiologists of India (AMI) and the American Society for Microbiology (ASM) at Delhi University, 18-20 November 2008.

Dr. Anjana Kapoor helped organize a lecture on ‘Overview of human stem cells & current scenario especially with regard to spinal injury’, by Stem Cell Voice of India in February 2009.

Manish Kumar: Participated in an International Conference on ‘Biodiversity, Sustainability and Environment’ at Delhi University, 4-6 September 2008. Mr. Pankaj Lakhera also participated in this conference.

Dr. Rajni Arora, Dr. Tanushree Saxena and Dr. Neera Mehra: Attended the International Conference on ‘Biodiversity, Environment and Sustainability—Challenges for Future’ organised by the Department of Geography of the college, 4--6 September 2008.

Dr. Rajni Arora and Dr. Neera Mehra: Attended a workshop on Biology Laboratory Courses organised by IIL at ANDC from 24 October 2008 for B.Sc. (Life Science) III year.

Dr. Surinder Kumar: Attended a workshop on ‘Biology Laboratory Courses’ organised by IIL at Daulat Ram College, 2-4 September 2008. He also attended the International Symposium on Microbial Biotechnology, Diversity, Genomic and Metagenomics jointly organised by the Department of Zoology and the Department of Microbiology, Delhi University, 18-20 November 2008.

The Department organised an educational trip in which the students were taken to National Dairy Research Institute, Karnal on 23 December, 2008. Dr. Rajni Arora, Dr. Tanushree Saxena and Dr. Neera Mehra accompanied them and helped them in the learning process.

VIVEKANANDA COLLEGE

Major Activities

Apart from above, the College has celebrated its Annual fixture - ‘Miss Vivek Contest’ function. Ms. Nikita Chadha was chosen as Ms. Vivek 2008-2009. Also Winter Festival ‘Pallavi’ was celebrated in December by the College Students’ Union.

College invited the renowned poet Sri Jayanta Mahapatra to the College, who has recently been awarded Padmashri and his poems are part of Ist Year English Hons. Syllabus of Delhi University. A lecture on the One World Education approach by Prof. Giovanni Pampanini from the University of Catavia, Italy was organized in September, 2008. Guruma Anadmurti addressed a congregation of staff and students in the College Auditorium on 4 February 2009.

New Courses introduced

Fitness, Aerobics and Gym Operations an Application Course for B.A. (Programme).

French as a Discipline Course for B.A. (Programme).

Add on Course:

Spanish as a six months' Certificate Course.

Spoken English as a Certificate Course.

Student Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Himani Sharma	B.A. (Prog.)	III

Library Development:

Total Budget : Rs.3,21,445.00

Books added : 590

Journals subscribed : 61

Seminars/Conferences held

The College Library organised a one-day Regional Seminar on 'Reorientation of College Library Services in the Electronics Era' on 16 December 2008.

Seminars/Conferences attended

Dr. Anuradha Gupta: 'Librarianship as a Profession' title presented paper in the International Seminar organised by Special Libraries Association, USA, Asian Chapter at New Delhi, 26 November 2008.

Mrs. Sarita Bagrial and Mrs. Saroj Chauhan: Attended a Seminar on 'Global Economy and Indian Financial Markets' organised by Deptt. of Financial Studies, Delhi University, South Campus.

Mrs. Purnima Vir: Participated in a National Seminar on Food Safety and Quality in Kitchens organised by Confederation of Indian Industry in August, 2008.

Dr. Sukhneet Suri: Symposia Nutritional Management in Cadian and Gastro-intestinal Disorder - Review paper presented in May, 2008 and Oct., 2008 on Dietary Management of Pancreatic Disorders.

Seminar paper 'Diet and Lifestyle Management of Degenerative Diseases - with special reference to weight management' presented during special summer school programme at JMI, New Delhi and was selected among the best five papers.

Publications

Gupta, A.: 'Librarianship as a Profession' titled presented paper in the International Seminar organised by Special Libraries Association, USA, Asian Chapter at New Delhi, 26 November 2008.

ZAKIR HUSAIN COLLEGE

Students Academic Distinctions

<i>Name</i>	<i>Course</i>	<i>Position in the University</i>
Ravi Prabhat	M.A. Sanskrit	I
Irfan Ayaz	M.A. Arabic	I
Romana Ghani	B.A. (Hons.) Persian	I

Library Development

General Budget	:	Rs.895000.00
XI Plan UGC Spl. Grant	:	Rs.180000-00
Books added	:	2,559
Journals subscribed	:	31

Honours/Distinctions

Dr. Sulekh Chandra: Associate Editor, Junior Indian Chemistry Society.

Harish Kumar Chaudhary: Received the Broad Outlook Learner Teacher's Award from Air India, in recognition of excellence outside the field of academics.

Dr. P.K. Shishodia: Visited Kabul University under a DU-KU project sponsored by the World Bank.

Dr. Ayub Khan: Acted as Course Convener for a UGC sponsored refresher course in mathematics, organised by Centre for professional Development and Higher Education, DU.

Dr. Satyapal Singh: Visiting Fellow at the Mahatma Gandhi Institute, Moka in Mauritius.

Seminars/Conferences held

Department of History organised a National Seminar on 'Shahjahanabad and Delhi during the Revolt of 1857'.

Seminars/Conferences attended

Dr. Reeta Khosla: Participated in a workshop organised by CSIR, and attended an International Meet of 'World Sustainable Development Forum' organised by TERI.

Harish Kumar Chaudhary: Participated in a National Seminar on 'Chemistry Education and Research' organised by Dayal Singh College in association with the Department of Chemistry, Delhi University.

Dr. Abdul Wahid Farooqi: Participated at the National Seminar organised by the Indian Science Congress at Jamia Millia Islamia.

Dr. Mohd. Rizwan Ahmad: Attended the 61st All India Commerce Conference organised by Dhanwate National College, Nagpur, and was also a participant at the International Conference on Resource Development and Environmental Change, organised by Aligarh Muslim University.

Reeta: Presented a paper at the International Conference organised by the Congress of Political Economists.

Shirin Akhter: Presented a paper at an International Seminar organised by the Institute for Human Development.

Dr. P.K. Shishodia: Attended a National Conference on Semiconductor Materials and Technology at Gurukula Kangri University, Haridwar and another one on Photonics and Materials Science at Guru Jambheshwar University of Science and Technology, Hisar.

Dr. N.K. Jain: Attended the Second National Conference on Mathematical Techniques, New Delhi.

Dr. Ayub Khan: Participated at the International Conference on Nano Sciences and Nano Materials at King Abdul Aziz University, Jeddah.

Dr. Shamsul Haq Siddiq: Presented a research paper on the Persian poet Rudaki at the sixth International Congress of Persian Teachers held at Tehran.

Dr. Jameel-ur-Rehman, Jamshed Khan and Malik Saleem Javed: Participated at the International Seminar on 'Historiography as a genre of Indo-Persian Literature', Department of Persian, Delhi University.

Ravi Ranjan: Participated in an international workshop organised by the Developing Countries Research Centre, Delhi University.

Dr. Satyapal Singh: International workshop on Paninian Grammar organised by the Mahatma Gandhi Institute, Moka, Mauritius.

Dr. Devesh Vijay: Presented a paper at the Twentieth Conference of the International Association of Historians of Asia, at JNU.

Ms. Parvesh Gangwani: Presented papers jointly with Sujata Pandey, Subhasis Haldar, Mridula Gupta, and R. S. Gupta, at the *MATEIT Conference 2008, Deen Dyal Upadhaya College Delhi University* and individually at *ASIA Pacific Microwave Conference (Apmc) Hong Kong 2008* at Hong Kong, China, 16-20 December 2008.

Publications

Books

Fahim, M. 2008. *Tribology of Natural fiber polymer composites* Woodhead Publishing, London.

Singh, S. 2008. *Prakashika* (3 Vol.) ShivalikPrakashan.

Research Articles

Farooqi, A.W. 2008. Impact of Corporate curriculum Government on Accounting Profession. *Contemporary Business Practices*.

Gangwani, P. Jointly published an article in an international journal 'Investigation, analysis and modeling of fully strained and partially relaxed lattice mismatched AlGaIn/GaN HEMT' Parvesh Gangwani, Ravneet Kaur, Sujata Pandey, Subhasis Haldar, Mridula.

Jain, N.K., 2009. 'EHCPRs and needs of management of system' *IPEM*.

Rahman, J.U. 'Nigelibeh Nuskha-e-khatthi-e-tarikha-e-Shakirkhani' in *Kande Parsi*, Persian Department, Delhi University.

'Morrif-e-Nuskha-e-khatthi-e-Mulakhkhas-e-Shahjahni Nameh we ahwal-e-Muallif' *Kande Parsi*, Persian Department, Delhi University.

Khan, A. 2008. 'Control of Chinos in Non linear and Planner Oscillator of satellite in elliptic orbit' *Med. Bulletin of Calcutta Society*.

2008. 'Dynamic Response of the Non-Linear Vibration of Single warde Carbon Nano-Tubes', *International Journal of Nano Articles*.

2008. 'Non Linear Dynamic System and Chinos synchronization' *International Journal of By Forum of Chinos*.

2008. 'Chinos Control in the Minas and Tithes system' *Astronomical Journal*.

2008. 'Resonate and Non-Resonate solution the problem of Inter Connected satellite under the effect of Magnetic Forces', *Global Journal*.

Malik, S.J. 2008. 'Masnaviate Fani Kashmiri- A Critical Survey' Persian Department, Delhi University.

Rani, S., Suri, P., Shishodia, P.K. and Mehra, R.M. 'Enhancement of Photovoltaic Performance of Quasi Solid-State Dye in Sensitized Solar Cell using CuI layer' in *Proceedings 23rd European Photovoltaic Solar Energy Conference*, September 1-5, 2008, Valencia, Spain. pp. 275-77.

'Synthesis of nanocrystalline ZnO powder via sol-gel route for dye-sensitized solar cells.' in *Solar Energy Materials & Solar Cells* 92 2008 1639-45.

Haq, S.S. 2009. of the Persian Department 'Persian Manu Scripts in Zakir Husain College Library' Iran Culture House.

Devesh, V. Contributed a chapter to the revised twelfth standard book of the National Institute of Open Learning, New Delhi. 'Culture and Migration' National Information Urban India, 2009.

ZAKIR HUSAIN POST GRADUATE (EVENING) COLLEGE

Honours/Distinctions

Dr. S.A. Hamideen: Invited by UNESCO Resource Person to participate in a conference held in China.

Invited to deliver lectures on the Indian Economy by the University of Texas at Dullas, USA.

New Subject Introduced

Computer application and Mass Communication.

Library Dvelopment

Total budget : Rs.6,00,000.00
Books added : 766
Journals subscribed : 24

Seminars/Conferences held

Mr. Praveen Kumar Priyadarshi: Selected for the prestigious Commonwealth Scholarship.

Dr. Madhumita Chakraborty: Awarded Ph.D. degree from JNU.

Seminars/Conferences attended

Dr. Rashmi of the Department of History: Presented a paper in Zanzibar. She also went to Oxford University for an academic orientation.

Dr. Mehmood Fayyaz: Participated in the International Persian Congress held in Tehran (Iran).

Dr. Chandan Kumar: Participated as Subject Expert at Hindi workshop organised by Registrar of News-paper of India, Delhi, Selection -Committee, Kendriya Vidyalaya Sangthan, Delhi. He was appointed as an Expert by Central Hindi Directorate, MHRD, Delhi.

Mr. Asmi Raza: Key speaker along with Mr. Sudhakur Reddy, Member of Parliament at the Seminar on Bank nationalization organized at Constitution Club, New Delhi. He also participated in Indian Economic Summit organised by Economic Forum in New Delhi.

A Seminar on Eliots' Poetry & Essays, organised by English Literary Society, Department of English.

A Seminar on 'Fundamentals of Finance and Stock Market operations.' organised by Department of Commerce.

A seminar on 'Youth Empowerment' organised by Department of Political Science was organised.

Seminars/Conferences attended

Dr. S.A. Hamideen: Transfer of Technology Conference held in Beijing.

Mr. Praveen Kumar Priyadarshi: Presented two papers 'Displaced Persons of Ahmedabad' in a Capetown Conference and 'Migration from Bihar' at Centre for Policy Research, in 2008.

Mr. Rajanikant Verma: Attended an International Conference on 'India and Chin's Role in International Trade and Finance and Global Economic Governance' organised by ICRIER, at Hotel Shangrila, New Delhi.

Mr. Asmi Raza: Participated in the International Conference on Mediterranean Diet and Health organised by UNDP.

Publications

Moshal, B.S. Vyawasaik Sangthon 1979 Mc Million Ltd.

Organisation & Management Galgotia Pub.Co. N.Delhi.

Business Organization & Management (Co-auth.).

Principles of Management -Galgotia Pub.Co. New Delhi.

Organizational Behaviour (Design & Change).

Mercantile Law.

Business & Industrial Law.

Modern Business Law.

Rattan, R. Indian Political Thought (English and Hindi).

Bhartiya Rajnetic Chintin.

Issues in 21st Century Canada.

Adhunik Rajnitik Chintan.

Modern Indian Political Thought.

Rupela, S.C. Published a book on 'Hindi Pratyaya Kosh'.

Alam, M.N. Published a book named 'Adabi Shanaakht'.

Article

Ranjan, S. Research Article entitled 'Rural Non-Farm Employment in Uttar Pradesh'. Two more research articles of high quality have been published in the well known '*Economic and Political Weekly*'.

86th
ANNUAL REPORT
2008-2009

PART - II
(MISCELLANEOUS AND STATISTICS)



UNIVERSITY OF DELHI

CONTENTS

	<i>Page</i>
Members of Statutory Bodies of the University	
The Court	1
The Executive Council	13
The Academic Council	15
The Finance Committee	22
Teaching Staff	
Appointments	22
Retirement	23
Resignation	24
Leave	24
Non-teaching Staff	
Obituaries	26
Appointments	26
Extension of Service	26
Retirement	27
Members of the Faculties	
Arts	28
Science	32
Law	35
Medical Sciences	36
Ayurvedic & Unani Medicine	42
Mathematical Sciences	43
Technology	46
Social Sciences	47
Applied Social Sciences and Humanities	50
Education	51
Inter-Disciplinary and Applied Sciences	52

	<i>Page</i>
Members of the Board of Research Studies	
Arts	53
Social Sciences	55
Science	57
Mathematical Sciences	58
Law	59
Medical Sciences	59
Technology	60
Applied Social Sciences and Humanities	61
Inter-Disciplinary and Applied Sciences	62
Music and Fine Arts	62
University Representatives	
Governing Bodies on the Colleges/Hostels	63
Statistics	S-1-S-156

MISCELLANEOUS

STATISTICS

MEMBERS OF STATUTORY BODIES OF THE UNIVERSITY

THE COURT

Statute 2(1)(i)

Chancellor

Hon'ble Mohd. Hamid Ansari

Statute 2(1)(ii)

Pro-Chancellor

Justice K.G. Balakrishnan

Statute 2(1)(iii)

Vice-Chancellor

Professor Deepak Pental

Statute 2(1)(iv)

Pro-Vice-Chancellor

Professor S.K. Tandon

Statute 2(1)(v)

Dean of Colleges

Professor (Ms.) Nayanjot Lahiri

Statute 2(1)(vi)

Director, South Delhi Campus

Professor Dinesh Singh

Statute 2(1)(vii)

Treasurer

Ms. Janaki Kathpalia

Statute 2(1)(viii)

Ex-Vice-Chancellors

Professor K.N. Raj

Professor Upendra Baxi

Professor Vrajendra Raj Mehta

Professor Deepak Nayyar

Statute 2(1)(ix)

Librarian

Dr. Suprabhat Majumdar

Statute 2(1)(x)

Proctor

Professor Gurmeet Singh

Statute 2(1)(xi)***Dean, Students' Welfare***

Professor S.K. Vij

Statute 2(1)(xii)***Heads of the Departments***

Professor (Ms.) Shormishtha Panja	English	(upto 27.07.2008)
Professor Sumanyu Satpathy	English	(w.e.f.28.07.2008)
Professor M.M. Agrawal	Sanskrit	
Professor Ashok Vohra	Philosophy	
Professor Vibha Maurya	Germanic & Romance Studies	
Dr. Rakesh Kumar Bhatt	Library & Information Science	
Professor Sudhish Pachauri	Hindi	
Professor N.M. Kamal	Urdu	(upto 09.04.2008)
Dr. Syed Ali Karim	Urdu	(w.e.f. 10.04.2008)
Professor P.C. Patnaik	M.I.L. & Literary Studies	
Professor Bhiksu Satyapala	Buddhist Studies	
Professor Ravindra Gargesh	Linguistics	
Professor (Ms.) Ashum Gupta	Psychology	(upto 22.12.2008)
Professor Anand Prakash	Psychology	(w.e.f. 23.12.2008)
Professor Mohd. Nauman Khan	Arabic	(upto 15.08.2008)
Dr. Wali Akhtar	Arabic	(w.e.f. 16.08.2008)
Professor Chander Shekhar	Persian	
Professor Kuljit Shellie	Punjabi	(upto 11.02.2009)
Dr. Manjit Singh	Punjabi	(w.e.f. 12.02.2009)
Professor D.S. Kulshrestha	Physics & Astrophysics	
Professor V.S. Parmar	Chemistry	
Professor P.K. Ghosh	Anthropology	
Professor Rup Lal	Zoology	
Professor A.K. Bhatnagar	Botany	(upto 12.06.2008)
Professor I. Usha Rao	Botany	(w.e.f. 13.06.2008)
Dr. (Ms.) Anupa Sidhu	Home Science	(upto 16.10.2008)
Dr. (Ms.) Kumud Khanna	Home Science	(w.e.f. 17.10.2008)
Professor Anand Mohan Bhola	Geology	
Professor B.P. Srinivasan	Pharmacy	
Professor S.N. Singh	Law	
Professor R.C. Jiloha	Psychiatry (MAMC)	
Professor N.K. Agarwal	Forensic Medicine (UCMS)	
Professor (Ms.) Suneela Garg	Community Medicine (MAMC)	
Professor Amit Banerjee	Surgery(MAMC)	
Professor Sachin Kumar Jain	Medicine(LHMC)	
Professor (Ms.) Usha Rusia	Pathology(UCMS)	(upto 27.11.2008)
Professor Tejinder Singh	Pathology (MAMC)	(upto 21.01.2009)

Professor (Ms.) Kiran Mishra	Pathology(UCMS)	(w.e.f. 22.01.2009)
Professor (Ms.) Usha Manaktala	Obstat. & Gynaecology(MAMC)	
Professor Arunabha Roy	Pharmacology(VPCI)	(upto 19.07.2008)
Professor S.K. Bhattacharya	Pharmacology(UCMS)	(w.e.f. 20.07.2008)
Professor Gopesh Mehrotra	Radiology(UCMS)	(upto 22.10.2008)
Professor Rama Anand	Radiology (LHMC)	(w.e.f. 23.10.2008)
Professor (Ms.) Suman Bala Sharma	Medical Bio-Chemistry(UCMS)	(upto 29.01.2009)
Professor B.D. Banerjee	Medical Bio-Chemistry(UCMS)	(w.e.f. 30.01.2009)
Professor Kamlesh Khatri	Anatomy(UCMS)	
Professor Anil Kumar Dhall	Orthopaedics (MAMC)	
Professor Geeta Mehta	Medical Microbiology(LHMC)	(upto 28.10.2008)
Professor Aneeta Chakravarty	Medical Microbiology (MAMC)	(w.e.f. 29.10.2008)
Professor Savita Singh	Physiology(UCMS)	
Professor (Ms.) Archana Singhal	Dermatology & Venereology (UCMS)	
Professor B. Ghosh	Ophthalmology (MAMC)	(upto 21.10.2008)
Professor (Ms.) Jolly Rohtagi	Ophthalmology(UCMS)	(w.e.f. 22.10.2008)
Professor S.K. Chhabra	Pulmonary Medicine(VPCI)	(upto 21.09.2008)
Professor Raj Kumar	Pulmonary Medicine(VPCI)	(w.e.f. 29.09.2008)
Professor (Ms.) Satinder Aneja	Paediatrics(LHMC)	
Professor P.P. Singh	Otolaryngology(UCMS)	(upto 12.02.2009)
Professor T.S. Anand	Otolaryngology (LHMC)	(w.e.f. 13.02.2009)
Professor Ajay Kumar Jain	Anaesthesiology(UCMS)	(upto 28.10.2008)
Professor Ashok Kumar	Anaesthesiology (UCMS)	(w.e.f. 29.10.2008)
Professor Mahesh Verma	Dental Sciences	
Professor Bharati Baveja	Education	
Professor Sagar Maji	Mechanical Engineering(DCE)	
Professor Pramod Kumar	Electrical Engineering (DCE)	(upto26.07.2008)
Dr. Narender Kumar	Electrical Engineering (DCE)	(w.e.f. 27.07.2008)
Professor Santosh Kumar Singh	Civil Engineering(DCE)	
Professor Ashok De	Electronics & Communication Engineering (DCE)	
Professor Suresh Kumar Garg	Production & Ind. Engineering	
Dean, Faculty of Technology	Computer Engineering (DCE)	
Professor J.R.P. Gupta	Instrumentation & Control Engineering(NSIT)	
Professor S.C. Panda	Economics	(upto 02.08.2008)
Professor B.L. Pandit	Economics	(w.e.f. 03.08.2008)
Professor Saiyid Zaheer Husain Jafri	History	
Professor (Ms.) Snehlata Tandon	Social Work	(upto 03.04.2008)
Professor Sanjai Bhatt	Social Work	(w.e.f.04.04.2008)
Professor Achin Vanaik	Political Science	
Dr. Suresh Kumar	African Studies	(w.e.f. 06.02.2009)
Professor (Ms.)Rajni Palriwal	Sociology	
Professor H. Ramachandran	Geography	(upto 20.07.2008)
Dr. Barkatullah Khan	Geography	(w.e.f. 21.07.2008)

Professor (Ms.) Sreemati Chakrabarti	East Asian Studies	(upto 05.04.2008)
Professor (Ms.) Madhu Bhalla	East Asian Studies	(w.e.f. 06.04.2008)
Professor N.K. Chadha	Adult Continuing Education & Extension	
Professor (Ms.) Anjali Mittal	Music	
Professor S.C. Arora	Mathematics	(upto 02.10.2008)
Professor Tej Bahadur Singh	Mathematics	(w.e.f. 03.10.2008)
Professor Manju Lata Aggarwal	Operational Research	
Dr. (Ms.) Punam Bedi	Computer Science	(upto 20.10.2008)
Dr. (Ms.) Neelima Gupta	Computer Science	(w.e.f. 21.10.2008)
Professor M.C. Aggarwal	Statistics	
Professor J.K. Mitra	Business Management & Industrial Administration	
Dr. Abdul Hafeez	Unani Medicine	
Dr. K.K. Sijoria	Ayurvedic Medicine	
Professor Debi P. Sarkar	Bio-Chemistry	(upto 15.08.2008)
Professor Anil Kumar Tyagi	Bio-Chemistry	(w.e.f. 16.08.2008)
Professor Ramesh Chand Kuhad	Microbiology	(upto 16.09.2008)
Professor (Mrs.) Rani Gupta	Microbiology	(w.e.f. 17.09.2008)
Professor (Ms.) Sheela Srivastava	Genetics	
Professor P. Pardha Saradhi	Environmental Biology	
Professor Anand Kumar Verma	Electronic Science	
Professor Madhusudan	Bio-Physics	(upto 11.03.2008)
Dean, Fac. of Inter-dis. & Appl. Scs.		(w.e.f. 01.05.2008)
Professor Anil Grover	Plant Molecular Biology	
Dr. (Ms.) Kiran Sandhu	Physical Education	
Dr. (Ms.) Aradhana Aggarwal	Business Economics	(upto 12.01.2009)
Professor Rashmi Aggarwal	Business Economics	(w.e.f. 13.01.2009)
Professor S.K. Vij	Slavonic & Finno Ugrian Studies	(upto 30.06.2008)
Professor R.K. Nagpal	Slavonic & Finno Ugrian Studies	(w.e.f. 01.07.2008)
Professor Sanjay Kumar Jain	Commerce	
Professor Sanjay Sehgal	Financial Studies	
Dr. H.C. Pokhriyal	Distance & Continuing Education	

Statute 2(1)(xiii)

Principals of the Colleges

Dr. Savithri Singh	Acharya Narendra Dev College
Dr. Usha Tuteja	Agricultural Economics Research Centre
Dr. (Ms.) Saroj Gulati	Aditi Mahavidyalaya
Dr. Kavita Bhatia	Atma Ram Sanatan Dharma College
Dr. Ahmad Yasin	Ayurvedic & Unani Tibbia College
Dr. Raju K. Parashar	Amar Jyoti Rehabilitation & Research Centre

Ms. Saroj Kumar	Ahilya Bai College of Nurisng
Dr. Purbi Saikia	Bhagini Nivedita College for Women
Dr. (Ms.) Pramodini Verma	Bharati College
Dr. Jai Prakash	Bhaskarayacharya College of Applied Sciences
Dr. G.K. Arora	Bhim Rao Ambedkar College
Dr. Inderjeet Dagar	College of Vocational Studies
Shri M. Vijayamohan	College of Art
Professor Shyam S. Agrawal	Delhi Instt. of Pharmaceutical Sciences & Research
Dr. Suresh Kumar Garg	Deen Dayal Upadhyaya College
Dr. M.S. Rawat	Delhi College of Arts & Commerce
Professor P.B. Sharma	Delhi College of Engineering
Dr. A.P. Raste	Deshbhandhu College
Dr. Inderjeet Singh Bakshi	Dyal Singh College
Dr. (Ms.) Kanan Nanda	Daulat Ram College
Shri K.C. Pandey	Durgabai Deshmukh College of Special Education
Dr. (Ms.) Meera Ramachandra	Gargi College
Dr. S.R. Arora	Hans Raj College
Dr. (Ms.) Kavita A. Sharma	Hindu College
Dr. D.K. Kansal	Indira Gandhi Instt. of Physical Edu. & Sports Scs.
Dr. Neeraj Malik	Indraprastha College for Women
Dr. (Ms.) Kumud Khanna	Institute of Home Economics
Ms. Kanchan Chopra	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. Ajay Kumar Arora	Keshav Mahavidyalaya
Dr. Santosh Sachdev	Kalindi College
Dr. (Ms.) Minoti Chatterjee	Kamala Nehru College
Dr. G.K. Sharma	Lady Hardinge Medical College
Dr. Anupa Sidhu	Lady Irwin College
Dr. (Ms.) Meenakshi Gopinath	Lady Shri Ram College for Women
Dr. (Ms.) Karuna Kaushik	Lakshmibai College
Dr. (Mrs.) Satnam Kaur	Mata Sundri College for Women
Dr. (Ms.) Savita M. Datta	Maitreyi College
Professor A.K. Aggarwal	Maulana Azad Medical College
Dr. Pratibha Jolly	Miranda House
Dr. Ramesh Chand Sharma	Moti Lal Nehru College
Dr. (Ms.) Prabhjot S. Kulkarni	M.V. College of Education
Dr. Sunil Sondhi	Maharaja Agrasen College
Professor Raj Senani	Netaji Subhash Institute of Technology
Dr. Anil Kumari Malhotra	Nehru Homeopathic Medical College
Dr. Inderjeet Singh	P.G.D.A.V. College
Dr. Dharmendra Kumar	Pt. Deen Dyal Upadhyay 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. Rajendra Prasad	Ramjas College
Dr. K.P. Bhatt	Satyawati College
Dr. Jatinder Bir Singh	Sri Guru Gobind Singh College of Commerce
Dr. Jaswinder Singh	Sri Guru Tegh Bahadur Khalsa College
Dr. (Ms.) Manmohan Kaur	Sri Guru Nanak Dev Khalsa College
Dr. Rajesh Mohan	Shivaji College
Dr. (Ms.) S. Lakshmi Devi	Shaheed Rajguru College of Appl. Scs. 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. Hari Om	Sri Aurobindo College
Dr. N.V.S.K. Prasad	Sri Vekateswara College
Dr. Valson Thampu	St. Stephan's College
Dr. Poonam Verma	Shaheed Sukhdev College of Business Studies
Dr. S.K. Kundra	Swami Shraddhanand College
Dr. H.C. Pokhriyal	School of Open Learning
Professor O.P. Kalra	University College of Medical Sciences
Dr. V.K. Vijayan	Vallabhbhai Patel Chest Institute
Dr. Anjana N. Dev	Vivekanand College
Dr. Mohd. Aslam Parvaiz	Zakir Husain College
Dr. Daman Saluja	Dr. B.R. Ambedkar Centre for Bio Medical Research

Statute 2(1)(xiv)(a)

Professors other than Heads of the Departments

Professor (Ms.) Anupam Mahajan	Music
Professor Avinash Khare	Physics & Astrophysics
Professor Ashwani Kumar Bansal	Law Centre-I
Professor Ashwani Deshpande	Economics
Professor A.K. Bakshi	Chemistry
Professor Aditya Bhattacharjee	Economics
Professor Amar Farooqui	History
Professor Ashok Kumar Singh	Zoology
Professor Ashok Nagpal	Psychology
Professor Amitabh Mukharjee	Physics & Astrophysics
Professor Akhilesh Kumar Tyagi	Plant Molecular Biology
Professor (Ms.) Ashum Gupta	Psychology
Professor A.K. Kapoor	Anthropology
Professor A.K. Bhatnagar	Botany
Professor Avinashi Kapoor	Electronic Science
Professor A.S. Narag	Business Management & Industrial Administration

Professor Ajay Kumar	Mathematics
Professor (Ms.) Anita Rampal	Education
Professor Alok Rai	English
Professor A. Marriappan	M.I.L. & Literary Studies
Professor Ajay Kumar Tiwari	Hindi
Professor Akshay Kumar Pradhan	Genetics
Professor A.K. Koul	Law Centre-II
Professor Ashok Kumar Seth	Commerce
Professor Abhijit Shankar Dasgupta	Sociology
Professor Arun Kumar Pandey	Botany
Professor Amar Kumar	Botany
Professor (Ms.) Anita Sharma	East Asian Studies
Professor A.K. Maurya	Slavonic & Finno Ugrian Studies
Professor Bidyut Chakrabarty	Political Science
Professor Brajesh Chandra Choudhary	Physics & Astrophysics
Professor Bal Kishan Das	Mathematics
Professor Brij Mohan Tankha	East Asian Studies
Professor Basu Dev Chatterjee	History
Professor B. K. Thelma	Genetics
Professor Bhairabi Prasad Sahu	History
Professor C.S. Dubey	Geology
Professor Debajyoti Choudhury	Physics & Astrophysics
Professor (Ms.) Deepti Omchery Bhalla	Music
Professor (Ms.) Dipti Sharma Tripathi	Sanskrit
Professor Debi P. Sarkar	Bio-Chemistry
Professor (Ms.) E.K. Sharma	Electronic Science
Professor Farhat Hasan	History
Professor (Ms.) Gopa Bhardwaj	Psychology
Professor Girishwar Mishra	Psychology
Professor Gurdip Singh	Law Centre-II
Professor Gopeshwar Singh	Hindi
Professor G.L. Pandit	Philosophy
Professor Gulzari Lal Bhalla	Physics & Astrophysics
Professor (Ms.) Geeta Paintal	Music
Professor Harish Kumar Trivedi	English
Professor H. Ramachandran	Geography
Professor Harvinder Pal Singh	Physics & Astrophysics
Professor H.S. Prasad	Philosophy
Professor Hari Mohan Sharma	Hindi
Professor Inderjit Singh	Centre for Environment Management of Degraded Ecosystem
Professor Indranil Dasgupta	Plant Molecular Biology
Professor Jawahar Lal	Commerce

Professor J.P. Sharma	Commerce
Professor J.P. Khurana	Plant Molecular Biology
Professor J.P. Srivastva	Geology
Professor Jintendra Mohan Khurana	Chemistry
Professor Jagdish Saran	Statistics
Professor J.S. Viridi	Microbiology
Professor J.V. Meenakshi	Economics
Professor Jawahar Lal Kaul	Campus Law Centre
Professor K. Mamkoottam	Business Management & Industrial Administration
Professor Krishna Kumar	Education
Professor K.M. Shrimali	History
Professor Kondapudy Sreenivas	Physics & Astrophysics
Professor (Ms.) Krishna Maitra	Education
Professor K. Muralidhar	Zoology
Professor K.V. Bhanumurthy	Commerce
Professor K.L. Baluja	Physics & Astrophysics
Professor K.N. Tripathy	Electronic Science
Professor (Ms.) Kuljit Shellie	Punjabi
Professor K.T.S. Sarao	Buddhist Studies
Professor K.S. Rao	Botany
Professor (Ms.) Kusum Aggarwal	Germanic & Romance Studies
Professor (Ms.) Monika Dutta	Chemistry
Professor M.K. Pandit	Inter-disciplinary Studies of Mountain and Hill Environment
Professor Madan Mohan Chaturvedi	Zoology
Professor Madan Mohan	Plant Molecular Biology
Professor (Ms.) Madhu Vij	Business Management & Industrial Administration
Professor Mazaahir Kidwai	Chemistry
Professor Mool Chand Sharma	Campus Law Centre
Professor Mihir Deb	Geology
Professor (Ms.) Malashri Lal	English
Professor Manjushree Tyagi	Music
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 Meenakshi Thapan	Sociology
Professor M. Venkat Rajan	Genetics
Professor Muneesh Kumar	Financial Studies
Professor Mahesh Rangarajan	History
Professor Mohd. Nauman Khan	Arabic
Professor (Ms.) Najma Parveen Ahmad	Music
Professor (Ms.) Nandini Sunder	Sociology

Professor Nirmalangshu Mukherjee	Philosophy
Professor (Ms.) Nargis Jahan	Persian
Professor (Ms.) Neera Chandhoke	Political Science
Professor (Ms.) Nomita Aggarwal	Campus Law Centre
Professor N.M. Kamal	Urdu
Professor (Ms.) Nandini Sunder	Sociology
Professor N. K. Kaushik	Chemistry
Professor (Ms.) Nandita Basu	MIL & Literary Studies
Professor (Ms.) Neeta Sehgal	Zoology
Professor (Ms.) Nivedita Menon	Political Science
Professor (Mrs.) Poonam Saxena	Law Centre-II
Professor (Ms.) Poonam Batra	Education
Professor Pulin B. Nayak	Economics
Professor P.C. Joshi	Anthropology
Professor Promod Kumar Verma	Geology
Professor P.K. Kapur	Operational Research
Professor P.K. Bhatnagar	Electronic Science
Professor Pammi Dua	Economics
Professor Patrick Dasgupta	Physics & Astrophysics
Professor Pawan Kumar Mathur	Chemistry
Professor Partha Sen	Economics
Professor (Ms.) Paramjit Khurana	Plant Molecular Biology
Professor P. Pardha Saradhi	Environmental Biology
Professor P.K. Datta	Political Science
Professor Prahlad C. Ghosh	Bio-Chemistry
Professor Rama Mathew	Education
Professor Rita Kakkar	Chemistry
Professor Ramesh Chand Kuhad	Microbiology
Professor Rajendra Kumar Saxena	Microbiology
Professor R.M. Mehra	Electronic Science
Professor Ramesh Chand Sharma	Linguistics
Professor (Mrs.) Rehana Khatoon	Persian
Professor R.D. Gaiha	Business Management & Industrial Administration
Professor R.K. Gautam	Hindi
Professor R.K. Agnihotri	Linguistics
Professor Rajiv Khanna	Campus Law Centre
Professor R.P. Tandon	Physics & Astrophysics
Professor (Ms.) Rohini Somanathan	Economics
Professor Raj S. Dhanker	Business Management & Industrial Administration
Professor R.C. Thakran	History
Professor Ramesh Chandra	Chemistry
Professor Ramesh Chandra Rastogi	Chemistry
Professor R.K. Sharma	Chemistry

Professor (Ms.) Rina Chakrabarti	Zoology
Professor (Ms.) Satwanti Kapoor	Anthropology
Professor (Ms.) Suneera Kasliwal	Music
Professor Subramaniam Annapoorni	Physics & Astrophysics
Professor S.M.S. Chauhan	Chemistry
Professor S.L. Malik	Anthropology
Professor (Ms.) Subhadra Channa	Anthropology
Professor (Ms.) Shormishtha Panja	English
Professor Surinder Nath	Anthropology
Professor (Mrs.) S.B.F. Husaini	Persian
Professor S.C. Arora	Mathematics
Professor Satya Narayana Tulsi	Microbiology
Professor Sambudha Sen	English
Professor Shashi Prabha Singh	Library & Information Science
Professor Sanjay Jain	Physics & Astrophysics
Professor Subash Chand Jain	Chemistry
Professor Sudhir A. Shah	Economics
Professor Subhash Chander Raina	Campus Law Centre
Professor Shobit Majahan	Physics & Astrophysics
Professor (Ms.) Sushma Batra	Social Work
Professor S.R. Yadav	Botany
Professor Sneh Lata Tandon	Social Work
Professor Sunita Singh Sengupta	Business Management & Industrial Administration
Professor S.C. Bhatla	Botany
Professor S.K. Sawhney	Botany
Professor Shirshendu Chakrabarti	English
Professor Shyam B. Menon	Education
Professor Sunil Kanwar	Economics
Professor Santosh Chandra Panda	Economics
Professor Shahid Amin	History
Professor Sunil Kumar	History
Professor (Ms.) Sunita Dhar	Music
Professor Sri Ram Khanna	Commerce
Professor Sreemati Chakrabarti	East Asian Studies
Professor Satish Deshpande	Sociology
Professor Shaswati Mazumdar	Germanic & Romance Studies
Professor T.C.A Anant	Economics
Professor Tista Bagchi	Linguistics
Professor Talat Ahmad	Geology
Professor T. K. Venketasubramanian	History
Professor (Ms.) Tulsi Patel	Sociology
Professor Uma Garg	Music

Professor Usha S. Razdan	Law Centre-I
Professor Umesh Rai	Zoology
Professor Ujjwal Kumar Singh	Political Science
Professor Uday Kumar	English
Professor (Ms.) Upinder Singh	History
Professor V.K. Bhasin	Zoology
Professor Vijayanand Sharma	Geology
Professor V.K. Bhalla	Business Management & Industrial Administration
Professor Vijay Kapur	Business Management & Industrial Administration
Professor (Ms.) V. Radha	Music
Professor V.N. Bajpai	Geology
Professor Virginius Xaxa	Sociology
Professor Vijay Kumar Kaul	Business Economics
Professor Vivek Suneja	Business Management & Industrial Administration
Professor Ved Pal Singh	Botany
Professor V.K. Srivastava	Anthropology
Professor (Ms.) Ved Kumari	Law Centre-I
Professor V.K. Chaudhury	Bio-Chemistry
Professor (Ms.) Veena Bakshi	Law Centre –I
Professor (Ms.) Vibha Chaturvedi	Philosophy
Professor V.K. Seth	Business Management & Industrial Administration
Professor Y.P. Singh	Commerce

Statute 2(1)(xiv)(b)

Professors from the Faculty of Medical Sciences

Professor Usha Manaktala	Obst. & Gynaecology (MAMC)	(upto 12.05.2008)
Professor (Ms.) Rashmi Babbar	Physiology (MAMC)	(w.e.f. 03.06.2008)
Professor Rewa Tripathi	Obst. & Gynaecology (MAMC)	(upto 10.11.2008)
Professor (Ms.) Geeta Dev	Pathology (UCMS)	(w.e.f. 11.11.2008)
Professor O.P. Kalra	Medicine (UCMS)	
Professor G.K. Sharma	Forensic Medicine (LHMC)	
Professor Raktima Anand	Anaesthesiology (MAMC)	

Statute 2(1)(xiv)(c)

Professors from the Faculty of Technology

Professor Ashok Bhattacharya	Electronics & Communication Engineering	(upto 22.09.2008)
Professor C.K. Dutta	Production & Industrial Engineering	(w.e.f 23.09.2008)
Professor J.R.P. Gupta	Instrumentation & Control Engineering	(upto 21.07.2008)
Professor Santosh Kumar Singh	Civil Engineering	(w.e.f 18.02.2009)
Professor Ashok De	Electronics & Communication Engineering	

Statute 2(1)(xv)(a)***Readers by rotation according to Seniority***

Dr. S.K. Tuteja	Business Management & Industrial Administration	
Shri Ashwani Kumar Batra	Law Centre-I	(upto 30.3.2009)
Dr. Ajay Pandit	Business Management & Industrial Administration	(w.e.f. 31.03.2009)

Statute 2(1)(xv)(b)***Lecturers by rotation according to Seniority***

Dr. O.P. Sharma	Law Centre –II	
Shri Rajiv Ranjan	East Asian Studies	(upto 30.03.2009)
Shri Param Jit	Economics	(w.e.f. 31.03.2009)
Shri Suresh Minocha	Law Centre-I	(upto 30.03.2009)
Dr. Indira Narain Singh	Buddhist Studies	(w.e.f. 31.03.2009)
Dr. Rumesch Chander	Education	
Shri Sunil Kumar Gupta	Campus Law Centre	

Statute 2(1)(xvi)***Representatives of Alumni Association***

Dr. Ishwar Prakash Mittal	Shri Jasbir Singh
Shri Jagdish Chander Kochhar	Shri Ram Kumar
Shri Hari Shankar Gupta	Shri Sanjeet Kr. Singh
Dr. Tushar Roy	Shri Vijay Kinger
Dr. Shyam Sunder Rathi	Ms. Indrani Ghosh

Statute 2(1)(xvii)***Representative of Certain Professions***

Shri Kailash Gambhir	Shri Surya Prakash Khatri
Shri Som Dutta Sharma	Shri K. Prabha Kar Rao
Shri Jitendra Sharma	Shri Rajeev Saxena
Shri Naresh Kumar Beniwal	Shri Ram Narain Vats
Shri Khem Singh Bhati	Shri Jainendra Sahai Sinha

Statute 2(1)(xviii)***Representing Industry and Commerce***

Shri Shiv Shankar	Shri Ajay Kumar
Shri Om Prakash Malhotra	Shri Jainender Kumar Mittal
Shri Ashok Adil Kathuria	Shri Sudhanva Deshpande

Statute 2(1)(xix)***Representatives of Legislature***

Shri Sandeep Dikshit	Shri Ashok Kumar Pradhan
Shri Arun Jaitley	

Statute 2(1)(xx)

Representing of Metropolitan Council

Shri Vijay Jolly

Shri Anil Bhardwaj

Statute 2(1)(xxi)

Representing Municipal Corporation

Shri Raj Khurana

Shri Jagdish Mamgain

Statute 2(1)(xxii)

Nominated Members of Central Board of Secondary Education

Shri Ashok Ganguly

Chairman

Shri Vineet Joshi

Chairman

(w.e.f. 03.11.2008)

Statute 2(1)(xxiii)(a)

Nominated by the Visitor

Dr. R. Chidambaram

Professor P.N. Srivastava

Ms. Sujatha Manohar

Professor U.R. Ananthamurti

Dr. Anima Bose

Statute 2(1)(xxiii)(b)

Nominated by Chief Rector

Professor Y.V.S.R. Sastry

Statute 2(1)(xxiii)(c)

Nominated by Chancellor

Dr. V. S. Vyas

Dr. D. V. Singh

THE EXECUTIVE COUNCIL

Statute 5(1)(i)

Vice-Chancellor

Professor Deepak Pentel

Statute 5(1)(ii)

Pro-Vice-Chancellor

Professor S.K. Tandon

Statute 5(1)(iii)

Dean of Colleges

Professor (Ms.) Nayanjot Lahiri

Statute 5(1)(iv)

Director, South Delhi Campus

Professor Dinesh Singh

Statute 5(1)(v)

Director, Campus of Open Learning

Dr. Savita M. Datta

Statute 5(1)(vi)

Treasurer

Ms. Janaki Kathpalia

Statute 5(1)(vii)

Proctor

Professor Gurmeet Singh

Statute 5(1)(viii)

Deans of the Faculties

Science	Professor Rup Lal	
Arts	Professor (Ms.) Shormishtha Panja	(upto 19.04.2008)
	Professor M.M. Agrawal	(w.e.f. 20.04.2008)
Social Sciences	Professor Achin Vanaik	
Applied Social Sciences	Professor S.K. Vij	(upto 21.08.2008)
& Humanities	Professor R.K. Nagpal	(upto 07.08.2008)
	Professor (Ms.) Rashmi Aggarwal	(w.e.f. 08.08.2008)

Statute 5(1)(ix)

Principals

Dr. V.K. Vijayan

Dr. S.K. Jolly

Dr. Bhim Sen Singh

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

Ms. Rekha Dayal (upto 22.12.2008)

Dr. Gurmohinder Singh (upto 22.12.2008)

Dr. Sibha C. Panda (w.e.f. 23.12.2008)

Shri Rajib Ray (w.e.f. 23.12.2008)

Statute 5(1)(xii)
Visitor's Nominee
Shri Anil Kakodkar
Professor Abhijit Sen

Statute 5(1)(xiii)
Chancellor's Nominee
Shri Javid Choudhary

THE ACADEMIC COUNCIL

Statute 7(1)(i)
Vice-Chancellor
Professor Deepak Pentel

Statute 7(1)(ii)
Pro-Vice-Chancellor
Professor S.K. Tandon

Statute 7(1)(iii)
Dean of Colleges
Professor (Ms.) Nayanjot Lahiri

Statute 7(1)(iv)
Director, South Delhi Campus
Professor Dinesh Singh

Statute 7(1)(v)
Director, Campus of Open Learning
Dr.(Ms.) Savita M. Datta

Statute 7(1)(vi)
Librarian
Dr. Suprabhat Majumdar

Statutes 7(1)(vii)
Deans of the Faculties

<i>Arts</i>	: Professor (Ms.) Shormishtha Panja	(upto 19.04.2008)
	Professor M.M. Agrawal	(w.e.f. 20.04.2008)
<i>Science</i>	: Professor Rup Lal	
<i>Social Sciences</i>	: Professor Achin Vanaik	
<i>Law</i>	: Professor S.N. Singh	
<i>Management Studies</i>	: Professor J.K. Mitra	

<i>Mathematical Sciences</i>	: Professor (Ms.) Manju Lata Aggarwal	
<i>Medical Sciences</i>	: Professor (Ms.) Usha Rusia	(upto 27.11.2008)
	Professor Tejinder Singh	(upto 21.01.2009)
	Professor (Ms.) Kiran Mishra	(w.e.f. 22.01.2009)
<i>Music & Fine Arts</i>	: Professor (Ms.) Anjali Mittal	
<i>Technology</i>	: Professor Santosh Kumar Singh	
<i>Ayurvedic and Unani</i>	: Dr. K.K. Sijoria	(upto 10.04.2008)
<i>Medicine</i>	Dr. Abdul Hafeez	(w.e.f. 12.04.2008)
<i>Education</i>	: Professor (Ms.) Bharati Baveja	
<i>Inter-Disciplinary and</i>	: Professor Ramesh Chand Kuhad	(upto 16.09.2008)
<i>Applied Sciences</i>	Professor (Ms.) Rani Gupta	(w.e.f. 17.09.2008)
<i>Applied Social</i>	: Professor S.K. Vij	(upto 30.06.2008)
<i>Sciences and Humanities</i>	Professor R.K. Nagpal	(upto 01.07.2008)
	Professor (Ms.) Rashmi Aggarwal	(w.e.f. 08.08.2008)
<i>Commerce & Business</i>	: Professor Sanjay Kumar Jain	(upto 18.05.2008)
	Professor Sanjay Sehgal	(w.e.f. 19.05.2008)

Statute 7(1)(viii)

Heads of the Departments

Professor (Ms.) Shormishtha Panja	English	(upto 27.07.2008)
Professor Sumanyu Satpathy	English	(w.e.f. 28.08.2008)
Professor M.M. Agrawal	Sanskrit	
Professor Ashok Vohra	Philosophy	
Professor Vibha Maurya	Germanic & Romance Studies	
Dr. Rakesh Kumar Bhatt	Library & Information Science	
Professor Sudhish Pachauri	Hindi	
Professor N.M. Kamal	Urdu	(upto 09.04.2008)
Dr. Syed Ali Karim	Urdu	(w.e.f. 10.04.2008)
Professor P.C. Patnaik	M.I.L. & Literary Studies	
Professor Bhiksu Satyapala	Buddhist Studies	
Professor Ravindra Gargesh	Linguistics	
Professor (Ms.) Ashum Gupta	Psychology	(upto 22.12.2008)
Professor Anand Prakash	Psychology	(w.e.f. 23.12.2008)
Professor Mohd. Nauman Khan	Arabic	(upto 15.08.2008)
Dr. Wali Akhtar	Arabic	(w.e.f. 16.08.2008)
Professor Chander Shekhar	Persian	
Professor Kuljit Shellie	Punjabi	(upto 11.02.2009)
Dr. Manjit Singh	Punjabi	(w.e.f. 12.02.2009)
Professor D.S. Kulshrestha	Physics & Astrophysics	
Professor V.S. Parmar	Chemistry	
Professor P.K. Ghosh	Anthropology	

Professor Rup Lal	Zoology	
Professor A.K. Bhatnagar	Botany	(upto 12.06.2008)
Professor I. Usha Rao	Botany	(w.e.f. 13.06.2008)
Dr. (Ms.) Anupa Sidhu	Home Science	(upto 16.10.2008)
Dr. (Ms.) Kumud Khanna	Home Science	(w.e.f. 17.10.2008)
Professor Anand Mohan Bhola	Geology	
Professor B.P. Srinivasan	Pharmacy	
Professor S.N. Singh	Law	
Dr. R.C. Jiloha	Psychiatry (MAMC)	
Professor N.K. Agarwal	Forensic Medicine (UCMS)	
Professor (Ms.) Suneela Garg	Community Medicine (MAMC)	
Professor Amit Banerjee	Surgery (MAMC)	
Professor Sachin Kumar Jain	Medicine (LHMC)	
Professor (Ms.) Usha Rusia	Pathology (UCMS)	(upto 27.11.2008)
Professor Tejinder Singh	Pathology (MAMC)	(upto 21.01.2009)
Professor (Ms.) Kiran Mishra	Pathology (UCMS)	(w.e.f. 22.01.2009)
Professor (Ms.) Usha Manaktala	Obstat. & Gynaecology (MAMC)	
Professor Arunabha Roy	Pharmacology (VPCI)	(upto 19.07.2008)
Professor S.K. Bhattacharya	Pharmacology (UCMS)	(w.e.f. 20.07.2008)
Professor Gopesh Mehrotra	Radiology (UCMS)	(upto 22.10.2008)
Professor Rama Anand	Radiology (LHMC)	(w.e.f. 23.10.2008)
Professor (Ms.) Suman Bala Sharma	Medical Bio-Chemistry (UCMS)	(upto 29.01.2009)
Professor B.D. Banerjee	Medical Bio-Chemistry (UCMS)	(w.e.f. 30.01.2009)
Professor Kamlesh Khatri	Anatomy (UCMS)	
Professor Anil Kumar Dhall	Orthopaedics (MAMC)	
Professor Geeta Mehta	Medical Microbiology (LHMC)	(upto 28.10.2008)
Professor Aneeta Chakravarty	Medical Microbiology (MAMC)	(w.e.f. 29.10.2008)
Professor Savita Singh	Physiology (UCMS)	
Professor (Ms.) Archana Singhal	Dermatology & Venereology (UCMS)	
Professor B. Ghosh	Ophthalmology (MAMC)	(upto 21.10.2008)
Professor (Ms.) Jolly Rohtagi	Ophthalmology (UCMS)	(w.e.f. 22.10.2008)
Professor S.K. Chhabra	Pulmonary Medicine (VPCI)	(upto 21.09.2008)
Professor Raj Kumar	Pulmonary Medicine (VPCI)	(w.e.f. 22.09.2008)
Professor (Ms.) Satinder Aneja	Paediatrics (LHMC)	
Professor P.P. Singh	Otolaryngology (UCMS)	(upto 12.02.2009)
Professor T.S. Anand	Otolaryngology (LHMC)	(w.e.f. 13.02.2009)
Professor S.K. Bhattacharya	Pharmacology (UCMS)	(w.e.f. 20.07.2008)
Professor S.K. Bhattacharya	Pharmacology (UCMS)	(w.e.f. 20.07.2008)

Professor S.K. Bhattacharya	Pharmacology (UCMS)	(w.e.f. 20.07.2008)
Professor Ajay Kumar Jain	Anaesthesiology(UCMS)	(upto 28.10.2008)
Professor S.K. Bhattacharya	Pharmacology (UCMS)	(w.e.f. 20.07.2008)
Professor Ashok Kumar	Anaesthesiology (UCMS)	(w.e.f. 29.10.2008)
Professor Mahesh Verma	Dental Sciences	
Professor S.K. Bhattacharya	Pharmacology (UCMS)	(w.e.f. 20.07.2008)
Professor Bharati Baveja	Education	
Professor Sagar Maji	Mechanical Engineering (DCE)	
Professor Pramod Kumar	Electrical Engineering (DCE)	(upto 26.07.2008)
Dr. Narender Kumar	Electrical Engineering (DCE)	(w.e.f. 27.07.2008)
Professor Santosh Kumar Singh	Civil Engineering (DCE)	
Professor Ashok De	Electronics & Communication Engineering	
Professor Suresh Kumar Garg	Production & Industrial Engineering	
Dean, Faculty of Technology	Computer Engineering (DCE)	
Professor J.R.P. Gupta	Instrumentation & Control Engineering (NSIT)	
Professor S.C. Panda	Economics	(upto 02.08.2008)
Professor B.L. Pandit	Economics	(w.e.f. 03.08.2008)
Professor Saiyid Zaheer Husain Jafri	History	
Professor (Ms.) Snehlata Tandon	Social Work	(upto 03.04.2008)
Professor Sanjai Bhatt	Social Work	(w.e.f. 04.04.2008)
Professor Achin Vanaik	Political Science	
Dr. Suresh Kumar	African Studies	
Professor S.K. Bhattacharya	Pharmacology (UCMS)	(w.e.f. 20.07.2008)
Professor (Ms.) Rajni Palriwala	Sociology	
Professor S.K. Bhattacharya	Pharmacology (UCMS)	(w.e.f. 20.07.2008)
Professor H. Ramachandran	Geography	(upto 20.07.2008)
Dr. Barkatullah Khan	Geography	(w.e.f. 21.07.2008)
Professor (Ms.) Sreemati Chakrabarti	East Asian Studies	(upto 05.04.2008)
Professor (MS.) Madhu Bhalla	East Asian Studies	(w.e.f. 06.04.2008)
Professor N.K. Chadha	Adult Continuing Education & Extension	
Professor (Ms.) Anjali Mittal	Music	
Professor S.C. Arora	Mathematics	(upto 02.10.2008)
Professor Tej Bahadur Singh	Mathematics	(w.e.f. 03.10.2008)
Professor Manju Lata Aggarwal	Operational Research	
Dr. (Ms.) Punam Bedi	Computer Science	(upto 20.10.2008)
Dr. (Ms.) Neelima Gupta	Computer Science	(w.e.f. 21.10.2008)
Professor M.C. Aggarwal	Statistics	
Professor J.K. Mitra	Business Management & Industrial Administration	

Dr. Abdul Hafeez	Unani Medicine	
Dr. K.K. Sijoria	Ayurvedic Medicine	
Professor Debi P. Sarkar	Bio-Chemistry	(upto 15.08.2008)
Professor Anil Kumar Tyagi ⁴	Bio-Chemistry	(w.e.f. 16.08.2008)
Professor Ramesh Chand Kuhad	Microbiology	(upto 16.09.2008)
Professor (Mrs.) Rani Gupta	Microbiology	(w.e.f. 17.09.2008)
Professor (Ms.) Sheela Srivastava	Genetics	
Professor P. Pardha Saradhi	Environmental Biology	
Professor Anand Kumar Verma	Electronic Science	
Professor Madhusudan	Bio-Physics	(upto 11.03.2008)
Dean, Faculty of Inter-disciplinary and Applied Sciences		(w.e.f. 01.05.2008)
Professor Anil Grover	Plant Molecular Biology	
Dr. (Ms.) Kiran Sandhu	Indira Gandhi Instt. of Physical Education & Sports Sciences	
Dr. (Ms.) Aradhana Aggarwal	Business Economics	(upto 12.01.2009)
Professor (Ms.) Rashmi Aggarwal	Business Economics	(w.e.f. 13.01.2009)
Professor S.K. Vij	Slavonic & Finno Ugrian Studies	(upto 30.06.2008)
Professor R.K. Nagpal	Slavonic & Finno Ugrian Studies	(w.e.f. 01.07.2008)
Professor Sanjay Kumar Jain	Commerce	
Professor Sanjay Sehgal	Financial Studies	
Dr. H.C. Pokhriyal	Distance & Continuing Education	

Statute 7(1)(ix)(a)

Professors other than Heads of the Departments

Professor Anil Kumar Tyagi	Bio-Chemistry	(upto 12.08.2008)
Professor D.S. Kulshreshtha	Physics & Astrophysics	(w.e.f. 12.02.2009)
Professor (Ms.) Nomita Aggarwal	Law	(upto 31.01.2009)
Professor Harish Kumar Trivedi	English	(w.e.f. 01.02.2009)
Professor (Ms.) Manju Lata Aggarwal	Operational Research	
Professor Girishwar Mishra	Psychology	
Professor T.K. Venkatasubramaniam	History	
Professor Akhilesh Kr. Tyagi	Plant Molecular Biology	

Statute 7(1)(ix)(b)

Professor from the Faculty of Medical Sciences

Professor S. Dwivedi	UCMS	(upto 27.12.2008)
Professor A.T. Kanon	UCMS	(w.e.f. 28.12.2008)

Statute 7(1)(ix)(c)***Professor from the Faculty of Technology***

Professor Ashok Bhattacharya	Electrical Engineering	(upto 26.02.2009)
Professor Raj Senani	Electrical Engineering	(w.e.f. 16.03.2009)

Statute 7(1)(x)***Principals of Colleges***

Dr. S.K. Garg	Deen Dayal Upadhyaya College	(upto 24.08.2008)
Dr. P.C. Jain	Shri Ram College of Commerce	(w.e.f. 03.10.2008)
Dr. Hari Om	Sri Aurobindo College	(upto 24.08.2008)
Dr. S.R. Arora	Hans Raj College	(w.e.f. 03.10.2008)
Dr. M. Vijayamohan	College of Art	(upto 24.08.2008)
Dr. Savithri Singh	Acharya Narendra Dev College	(w.e.f. 03.10.2008)
Dr. J.L. Bhatt	Swami Shraddhanand College	(upto 24.08.2008)
Dr Inderjeet	College of Vocational Studies	(w.e.f. 03.10.2008)
Dr. (Ms.) Promodini Verma	Bharati College	(upto 21.03.2009)
Dr. Inderjeet Singh Bakshi	Dyal Singh College	(w.e.f. 22.03.2009)
Professor Ranjit Singh	Netaji Subhas Institute of Technology	(upto 21.03.2009)
Dr. Guljit K. Arora	B.R. Ambedkar College	(w.e.f.22.03.2009)
Dr. Ramesh Chand Sharma	Moti Lal Nehru College	(upto 06.11.2008)
Dr. M.K. Razdan	Shyam Lal College	(w.e.f. 21.11.2008)
Dr. Jaspal Singh	S.G.G.S. College of Commerce	
Dr. M. Ramachandran	Gargi College	(w.e.f. 12.03.2008)
Dr. D.K. Pabby	Ram Lal Anand College	(upto 13.08.2008)
Dr. Jaswinder Singh	S.G.T.B. Khalsa College	(w.e.f. 03.10.2008)
Dr. V.K. Vijayan	V.P. Chest Institute	(upto 06.06.2008)
Dr. Vijay Laxmi Pandit	Rajdhani College	(w.e.f. 03.10.2008)
Dr. (Ms.) Indu Anand	Janki Devi Memorial College	
Dr. (Ms.) Anupa Sidhu	Lady Irwin College	
Dr. (Ms.) Minoti Chatterji	Kamala Nehru College	
Dr. A.P. Raste	Deshbhandu College	
Dr. Mohd. Aslam Parvaiz	Zakir Hussain College	

Statute 7(1)(xi)***Dean Students' Welfare***

Professor S.K. Vij

Statute 7(1)(xii)***University Teachers' Representatives***

Shri J. Khuntia

Dr. Rajiv Kumar Verma

Dr. Abha Dev Habib	
Shri R.S. Dahiya	
Shri Surendra Kumar	
Dr. Jaspali Chauhan	
Dr. Shri Prakash Singh	
Dr. N.K. Agarwalla	
Dr. Rajni Abbi	
Dr. Kishor Kumar Aggarwal	
Dr. (Ms.) Arjumand Ara	
Dr. Sanjay Tyagi	(w.e.f. 24.12.2009)
Dr. Aruna Chikara	(w.e.f. 24.12.2009)
Ms. Meena	(w.e.f. 24.12.2009)
Dr. Rakesh Kumar	(w.e.f. 24.12.2009)
Shri Sanjay Verma	(w.e.f. 24.12.2009)
Shri Sheo Dutt	(w.e.f. 24.12.2009)
Dr. Anurag Mishra	(w.e.f. 24.12.2009)
Shri Vijay Singh	(w.e.f. 24.12.2009)
Dr. Arun Kumar	(w.e.f. 24.12.2009)
Shri Dhani Ram	(w.e.f. 24.12.2009)
Shri D.V. Singh	(w.e.f. 24.12.2009)
Dr. (Ms.) Vijaya Venkatraman	(w.e.f. 24.12.2009)
Shri Ashok Kumar Singh	(w.e.f. 24.12.2009)
Dr. Jagbir Singh	(w.e.f. 24.12.2009)
Dr. B.L. Sharma	(w.e.f. 24.12.2009)
Shri Rajib Ray	(upto 23.12.2008)
Dr. (Ms.) Veena Agrawal	(upto 23.12.2008)
Dr. Vandana Sharma	(upto 23.12.2008)
Dr. Pankanj Kumar Garg	(upto 23.12.2008)
Dr. Manoj Kumar Garg	(upto 23.12.2008)
Shri Pradeep Kumar	(upto 23.12.2008)
Dr. Neeraj Tyagi	(upto 23.12.2008)
Dr. Bhupinder Chaudhry	(upto 23.12.2008)
Dr. (Ms.) R.R. Goyal	(upto 23.12.2008)
Shri Niraj Kumar Singh	(upto 23.12.2008)
Shri A.N. Jha	(upto 23.12.2008)
Dr. Sanjeev Kumar	(upto 23.12.2008)
Dr. Vandana Roy	(upto 23.12.2008)
Dr. Gopal Rana	(upto 23.12.2008)
Dr. (Ms.) Najma Rehmani	(upto 23.12.2008)

Statute 7 (1) (xiv)

Co-opted Members

Professor K.C. Upadhyay

Dr. Kishan Lal

THE FINANCE COMMITTEE

Statute 10-A(i)

Vice-Chancellor

Professor Deepak Pental

-

Chairman

Statute 10-A(ii)

Pro-Vice-Chancellor

Professor S.K. Tandon

Statute 10-A(iii)

Nominated by the Visitor

Vacant

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

Appointments

<i>Name</i>	<i>Department</i>	<i>Date of joining</i>
<i>Professors</i>		
Dr. Arun Kumar Pandey	Botany	(12.08.2008)
Dr. Amar Kumar	Botany	(05.11.2008)
Dr. I.M. Pandey	Commerce	(17.03.2009)
Dr. Harihar Bhattacharya	Political Science	(18.03.2009)
Dr. Navnita Chadha Behera	Political Science	(23.03.2009)
<i>Readers</i>		
Dr. Anirban Kar	Economics	(26.06.2008)
Dr. Parikshit Ghosh	Economics	(16.07.2008)
Dr. Rajagopal Raman	Zoology	(02.02.2009)
Dr. (Ms.) Kavita Sharma	Commerce	(02.02.2009)
Dr. Tarkeshwar Gupta	Chemistry	(06.02.2009)
Dr. (Ms.) Rekha Saxena	Political Science	(09.02.2009)
Dr. Mallikarjun Shakarad	Zoology	(10.02.2009)
Dr. Abanti Bhattacharya	East Asian Studies	(06.03.2009)
Dr. Basudeb Saha	Chemistry	(27.03.2009)

Lecturers

Ms. Mitali Barman	MIL & LS	(03.04.2008)
Ms. Sunaina Kanojia	Commerce	(04.04.2008)
Shri Manish Kumar	Library & Information Science	(09.04.2008)
Shri Venkata Ramaiah Gampa	MIL & LS	(11.04.2008)
Dr. Pannur Venkatesu	Chemistry	(16.04.2008)
Dr. V. Narayanappa	MIL & LS	(16.04.2008)
Dr. M. Sathiyendiran	Chemistry	(21.04.2008)
Dr. Mehta Rajendra Kumar	MIL & LS	(22.04.2008)
Dr. Suresh Kumar	Physics	(28.04.2008)
Mr. Vinod Kumar Kanvaria	Education	(29.04.2008)
Ms. Kanchan	Education	(01.05.2008)
Ms. Seema Sarohe	Education	(06.05.2008)
Dr. P. Senthil Kumar	Physics	(07.05.2008)
Dr. Ashok Kumar	Physics	(21.05.2008)
Shri Narain	Management Studies	(27.05.2008)
Dr. Sashi Verma	Physics	(05.06.2008)
Ms. Ena Panda	Germanic and Romance Studies	(07.11.2008)
Ms. Rama Paul	Germanic and Romance Studies	(12.11.2008)
Dr. Swarnedu Sarkar	Physics	(25.11.2008)
Dr. (Ms.) Ranjan Narsimhan	East Asian Studies	(23.01.2009)
Shri Sandip Kumar Mishra	East Asian Studies	(23.01.2009)
Ms. Avitoli G. Zhimo	Anthropology	(23.01.2009)
Shri Jagbandhu Prasad	Music	(29.01.2009)
Ms. Shalini Thakur	Music	(29.01.2009)
Shri Rajpal Singh	Music	(04.02.2009)
Dr. Surendra Nath Soren	Music	(05.02.2009)
Dr. Shashank Shekhar	Geology	(17.03.2009)

Retirement after attaining the Age of 65 years

<i>Name</i>	<i>Department</i>	<i>Date of Retirement</i>
Professors		
Dr. (Mrs.) A. Bharadwaj	Social Work	(03.04.2008)
Dr. Syed Sadique Ali	Urdu	(09.04.2008)
Dr. (Mrs.) Ajit Iqbal Singh	Mathematics	(31.05.2008)
Dr. (Mrs.) Davinder Bhatia	Operational Research	(11.06.2008)
Dr. S.N. Raina	Botany	(12.06.2008)
Dr. A.K. Bansal	Statistics	(02.07.2008)
Dr. Baleshwar Thakur	Geography	(15.07.2008)
Dr. S.K. Aggarwal	Geography	(20.07.2008)
Dr. (Mrs.) Manju Jain	English	(27.07.2008)

Dr. P.N. Kapoor	Chemistry	(05.08.2008)
Dr. (Mrs.) Krishna Bisht	Music	(03.08.2008)
Dr. (Mrs.) Anita A. Minocha	Sociology	(08.09.2008)
Dr. Rajiv Verma	English	(14.09.2008)
Dr. (Mrs.) S.K. Verma	Law	(19.09.2008)
Dr. Raghuvir Singh	Physics	(22.09.2008)
Dr. Mahendra Prasad Singh	Political Science	(01.11.2008)
Dr. Subrata Mukherjee	Political Science	(28.01.2009)

Resignation

<i>Name</i>	<i>Department</i>	<i>Date</i>
Dr. Sudip Sen – Reader	Physics	(16.01.2009)
Dr. Rajeev Saraswat – Lecturer	Geology	(22.12.2008)

Study Leave/Extra-Ordinary Leave/Special Leave, etc.

<i>Name</i>	<i>Department</i>	<i>Date</i>
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Professors

Professor Avinash Khare	Physics & Astrophysics	(01.05.2008)
Dr. Nandini Sundar	Sociology	(01.08.2008)
Professor Dinesh Singh	Mathematics	(01.06.2008)
Professor Sunil Kumar	History	(01.10.2008)
Professor Raghav Gaiha	Business Management & Industrial Administration	(08.12.2008)
Professor Uday Kumar	English	(23.02.2009)
Professor A.K. Tyagi	Plant Molecular Biology	(03.03.2009)
Professor Rajeev Khanna	Campus Law Centre	(01.09.2008)

Readers

Dr. M.S. Joshi	Germanic & Romance Studies	(03.09.2008)
Dr. Anshu Malhotra	History	(01.08.2008)
Dr. Madhulika Banerjee	Political Science	(17.07.2008)
Dr. Poonam Gupta	Economics	(08.01.2009)
Dr. Kanchan C.V. Natranjan	Philosophy	(18.06.2008)
Dr. Pradeep Kumar Das	Linguistics	(01.09.2008)
Dr. Nivedita Menon	Political Science	(01.08.2008)
Dr. Raman Mittal	Campus Law Centre	(03.11.2008)
Dr. Tomy Philip	Social Work	(10.01.2009)
Dr. Surabhi Aggarwal	Social Work	(22.08.2008)
Dr. Ali Javed	Urdu	(03.04.2008)
Dr. Azra Razzak	Education	(01.03.2009)
Dr. Shreekant Gupta	Economics	(16.07.2008)

Lecturers

Shri L. Pushpa Kumar	Law Centre-I	(05.08.2008)
Shri Topi Basar	Law Centre-I	(04.08.2008)
Ms. Sushmita Verma Lakhyani	Education	(18.07.2008)
Mrs. Anu	Law Centre-I	(29.01.2008)
Dr. Ira Raja	English	(01.09.2008)
Shri Kumar Abhay	Statistics	(01.09.2008)
Dr. Preeti Tripathi	Education	(01.09.2008)
Dr. Shabnam Mahlawat	Law Centre-II	(08.01.2009)
Dr. Nabin Kumar Panda	East Asian Studies	(25.03.2009)
Dr. Farida Irani	Germanic and Romance Studies	(10.05.2008)
Dr. Enakshi Mitra	Philosophy	(19.03.2009)

Visiting Professors/Lecturers /Fellows**Visiting Professors**

<i>Name</i>	<i>Department</i>	<i>Date</i>
Ustad Amjad Ali Khan	Music	(26.08.2008)
Professor Buddhadev Dasgupta	Music	(01.09.2008)
Professor S.K. Saxena	Music	(04.11.2008)
Professor Vidyadhar Vyas	Music	(03.03.2009)
Professor Donka Ivonona	Slavonic & Finno-Ugrian Studies	(12.12.2008)
Professor Tatiana Larina	Slavonic & Finno-Ugrian Studies	(12.01.2009)
Mr. Piotr Borek	Slavonic & Finno-Ugrian Studies	(30.09.2008)

Visiting Fellows

Professor Suniti Kumar Pathak	Buddhist Studies	(01.07.2008)
Professor Manvindra Kishore Das	Buddhist Studies	(14.10.2008)
Professor L.P. Singh	Buddhist Studies	(01.01.2009)
Professor Harpal Singh Pannu	Buddhist Studies	(01.01.2009)
Dr. Geshe Dorji Damdul	Psychology	(4 Months)
Dr. John Gardner	English	(17.02.2009)
Dr. Tridip Suhad	English	(13.02.2009)
Dr. Aaron Good Fellow	Sociology	(09.01.2009)
Dr. Rajendra Pradhan	Sociology	(23.02.2009)
Dr. Uwe Skoda	Sociology	(15.01.2009)
Dr. Alice W. Clarck	Sociology	(16.02.2009)
Professor Subha Chakrabarti	English	(25.03.2009)

Visiting Lecturers

Ms. Natasa Nedeljkovic	Slavonic & Finno-Ugrian Studies	(10.11.2008)
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NON-TEACHING STAFF

Obituaries

<i>Name</i>	<i>Designation</i>	<i>Date of Expiry</i>
Shri V.K. Anand	Section Officer	(03.09.2008)
Shri S.C. Gupta	Section Officer	(24.01.2009)
Shri H.R. Saini	Senior Assistant	(03.08.2008)
Ms. Kanchan Vohra	Assistant	(17.08.2008)

Appointments

<i>Name</i>	<i>Designation</i>	<i>Date</i>
Shri Rishi Pal Singh	Deputy Registrar	(22.05.2008)
Shri Sudhir Sharma	Deputy Registrar	(30.07.2008)
Shri Deepak Vats	Deputy Registrar	(30.07.2008)
Shri A.K. Prakash	Deputy Registrar	(07.11.2008)
Shri M.K. Diwakar	Assistant Registrar	(02.05.2008)
Ms. Pushpa Kumari	Statistician	(04.08.2008)
Shri Vikash Kumar	Stenographer	(30.10.2008)
Ms. Pooja Azad	Junior Assistant	(16.07.2008)
Shri Deep Kumar	Junior Assistant	(21.07.2009)
Shri Sanjeev Kumar	Junior Assistant	(17.07.2008)
Shri Ghanshyam	Junior Assistant	(17.07.2008)
Shri B.C. Joshi	Junior Assistant	(17.07.2008)
Shri Manoj Kashyap	Junior Assistant	(17.07.2008)
Shri Munish Kumar	Junior Assistant	(17.07.2008)
Shri Sunil Sharma	Junior Assistant	(17.07.2008)
Shri Saud Ahmed Khan	Junior Assistant	(17.07.2008)
Shri Dinesh Chandra	Junior Assistant	(17.07.2008)
Shri Prem Chand Bhagat	Junior Assistant	(17.07.2008)
Shri Parvesh Kumar	Junior Assistant	(17.07.2008)
Shri Manoj Kumar	Junior Assistant	(17.07.2008)
Shri Virender Kumar	Junior Assistant	(17.07.2008)
Shri Satbir	Junior Assistant	(17.07.2008)
Ms. Supriya Gaba	Junior Assistant	(17.07.2008)
Ms. Chitra Khurana	Junior Assistant	(03.09.2008)

Extension of Service

<i>Name</i>	<i>Designation</i>	<i>Date</i>
Lt. Col. Ramesh Bakshi	Campus Manager	(01.04.2008)
Lt. Col. Narain Kaul	Campus Manager	(01.04.2008)
Shri K.C. Rustagi	Assistant Consultant	(01.04.2008)

Shri Jagat Bahadur Mathur	Assistant Consultant	(01.04.2008)
Shri S.B. Sharma	Assistant Consultant	(01.04.2008)
Shri Abhimanyu Verma	Assistant Consultant	(01.04.2008)
Shri Ram Chander	Section Officer	(01.04.2008)
Shri Ram Kumar	Section Officer	(01.04.2008)
Shri Ram Phal Saroha	Senior Assistant	(01.04.2008)
Shri Chinta Mani Paliwal	Senior Assistant	(01.04.2008)
Shri S.D. Sharma	Senior Assistant	(01.04.2008)

Retirement

<i>Name</i>	<i>Designation</i>	<i>Date of Retirement</i>
Shri Bal Krishan	Section Officer	(30.04.2008)
Shri Nand Lal	Section Officer	(30.04.2008)
Shri Sat Narain Vats	Section Officer	(31.05.2008)
Shri V.K. Mahipal	Section Officer	(31.05.2008)
Shri Satinder Shah Singh	Section Officer	(31.05.2008)
Shri B.S. Garg	Senior Assistant	(31.05.2008)
Shri Ranbir Singh	Senior Assistant	(31.05.2008)
Ms. Rajni Gupta	Assistant	(31.05.2008)
Shri Hari Saran Dass	Senior Assistant	(30.06.2008)
Shri Ram Rattan Singh	Section Officer	(30.06.2008)
Shri Partap Singh	Assistant	(30.06.2008)
Shri Prahlad Rai	Section Officer	(30.06.2008)
Shri G.S. Solanki	Private Secretary	(31.07.2008)
Shri Akhtar Hasan	Section Officer	(31.07.2008)
Shri Daulat Singh	Section Officer	(31.07.2008)
Shri Alam Singh	Senior Assistant	(31.07.2008)
Shri Rajbir Singh	Senior Assistant	(31.08.2008)
Ms. Saroj Chawla	Stenographer	(31.08.2008)
Shri Sureshanand	Section Officer	(31.08.2008)
Shri Raj Singh	Section Officer	(31.08.2008)
Ms. Usha Vij	Section Officer	(31.08.2008)
Shri Maheshanand	Section Officer	(31.08.2008)
Shri S.J.S. Bakshi	Section Officer	(30.09.2008)
Shri Prem Raj	Section Officer	(30.09.2008)
Shri D.K. Kandpal	Assistant Registrar	(30.09.2008)
Shri Krishan Kumar	Section Officer	(30.09.2008)
Shri Ran Singh	Section Officer	(31.10.2008)
Shri Shyam Sunder Kashyap	Assistant Director	(31.10.2008)
Shri G.K. Bhatt	Section Officer	(30.11.2008)
Shri Harbhajan Singh	Senior Assistant	(30.11.2008)
Shri A.K. Nanda	Section Officer	(31.12.2008)

Ms. Asha Bhagat	Senior Assistant	(31.12.2008)
Ms. Chander Prabha	Assistant	(31.12.2008)
Shri R.S. Sharma	Joint Registrar	(31.12.2008)
Shri S.K. Mishra	Assistant	(31.12.2008)
Shri S.K. Sharma	Section Officer	(31.12.2008)
Shri Yudhvir Singh	Assistant	(31.12.2008)
Shri Rajendra Singh	Section Officer	(31.01.2009)
Shri Ram Phal Sharma	Assistant	(28.02.2009)
Shri Mahinder Singh	Senior Assistant	(28.02.2009)
Shri Hans Ram Yadav	Assistant	(28.02.2009)
Shri Nathu Singh	Senior Assistant	(28.02.2009)
Shri Hira Nand	Section Officer	(31.03.2009)
Shri S.K. Bansal	Senior Assistant	(31.03.2009)
Shri Joseph Samuel	Section Officer	(31.03.2009)

MEMBERS OF THE FACULTIES

ARTS

Statute 9(3)(i)

Dean

Professor M.M. Agrawal

Statute 9(3)(ii)

Heads of the Departments

Dr. Wali Akhtar	Arabic
Professor Sumanyu Satpathy	English
Professor Sudhish Pachauri	Hindi
Dr. Manjit Singh	Punjabi
Professor Bhiksu Satyapala	Buddhist Studies
Professor Vibha Maurya	Germanic & Romance Studies
Professor R.K. Bhatt	Library & Information Sciences
Professor Ashok Vohra	Philosophy
Professor M.M. Agrawal	Sanskrit
Professor Chander Shekhar	Persian
Professor N.K. Chaddha	Adult Continuing Education & Extension
Professor Anand Prakash	Psychology
Dr. Syed Ali Karim	Urdu

Statute 9(3)(iii)

All Professors of the Departments

Professor S. Chakrabarti	English
Professor Alok Rai	English

Professor Sumanyu Satpathy	English
Professor Malashri Lal	English
Professor Harish Trivedi	English
Professor Rajiv Verma	English
Professor Dipti S. Tripathi	Sanskrit
Professor A. Mariappan	MIL & Literary Studies
Professor R.K. Agnihotri	Linguistics
Professor R.C. Sharma	Linguistics
Professor Tista Bagchi	Linguistics
Professor Ramesh Gautam	Hindi
Professor Ajay Tiwari	Hindi
Professor Gopeshwar Singh	Hindi
Professor Hari Mohan Sharma	Hindi
Professor S.P. Singh	Library & Information Science
Professor (Ms.) Shashwati Mazumdar	Germanic & Romance Studies
Professor Anand Prakash	Psychology
Professor N.K. Chadha	Psychology
Professor Ashok Nagpal	Psychology
Professor (Mrs.) Gopa Bhardwaj	Psychology
Professor G. Mishra	Psychology
Professor (Ms.) Vibha Chaturvedi	Philosophy
Professor G.L. Pandit	Philosophy
Professor N. Mukherjee	Philosophy
Professor S.B.F. Husaini	Persian
Professor Rihani Khatoon	Persian

Statute 9(3)(iv)

One Reader and one Lecturer by Rotation according to Seniority

Dr. Naimul Hasal	Lecturer	Arabic
Dr. Rajinder Kumar	Lecturer	Persian
Dr. (Ms.) Gail Coelho	Reader	Linguistics
Dr. A.A. Khan	Reader	Persian
Dr. (Ms.) Maneesha	Lecturer	Germanic & Romance Studies
Dr. Hirapaul Gangnegi	Lecturer	Buddhist Studies
Dr. Aleem Ashraf Khan	Reader	Persian
Dr. (Ms.) Christal Rashmi Devadawson	Reader	English
Dr. Paramjeet Kanswalia	Reader	Library & Information Science
Dr. G. Rajagopal	Reader	MIL & Literary Studies
Dr. Mukesh Garg	Reader	Hindi
Dr. (Ms.) Mini Sawhney	Reader	Germanic & Romance Studies
Dr. R.M. Singh	Reader	Philosophy
Dr. Rajender Kumar	Lecturer	Persian
Dr. Anuradha Veeravali	Lecturer	Philosophy

Ms. Mamta	Lecturer	Linguistics
Mr. Eric Soreng	Lecturer	Psychology
Dr. Abu Bakar Abbad	Lecturer	Urdu
Dr. Kulvir Gojra	Lecturer	Punjabi
Ms. Asha Kohli	Lecturer	English
Shri T.S. Satyanath	Lecturer	MIL & Literary Studies
Dr. Mithlesh Chaturvedi	Lecturer	Sanskrit
Dr. Indira Narain Singh	Lecturer	Buddhist Studies
Dr. Honey Oberoy Vahali	Reader	Psychology
Dr. Ali Javed	Reader	Urdu
Dr. Manjit Singh	Reader	Punjabi
Dr. (Ms.) Ira Raja	Lecturer	English
Dr. Satyamurti	Lecturer	Sanskrit

Statute 9(3)(v)

One Teacher from each College by Rotation according to Seniority

Dr. (Ms.) Vineeta Bhalla	Bharti College
Dr. Prabhat Kumar	Hansraj College
Shri V.K. Sharma	Delhi College of Arts & Commerce
Dr. Anubha Mukherjee	Deen Dayal Upadhyaya College
Ms. S.K. Mutatkar	Gargi College
Ms. Rewa Nanda	Maitreyi College
Dr. Kusum Gupta	Kalindi College
Dr. U. Rustagi	Miranda House
Ms. S. Virmani	Moti Lal Nehru College
Ms. C.P. Bali	Swami Shraddhanand College
Ms. Surya Kanta Jain	Gargi College
Dr. V.S. Vidyarthi	Ram Lal Anand College
Ms. Tripta	Aditi Mahavidyalaya College
Shri S.K. Choudhary	Shri Ram College of Commerce
Dr. (Ms.) Asha Kohli	Kamala Nehru College
Dr. (Ms.) Alka Rakesh	Kirori Mal College
Dr. Saroj Bhardwaj	Lady Shri Ram College
Ms. Veena Arora	Lakshmibai College
Dr. P.K. Srivastava	Maharaja Agrasen College
Dr. M.M. Bhardwaj	Sri Aurobindo College
Dr. (Ms.) Lalita Subbu	Hindu College
Mrs. Indrain Sen	Sri Venkateswara College
Dr. (Ms.) Neera Jain	Vivekanand College
Shri Pratap Sehgal	Zakir Husain College
Dr. A.D. Mathur	St. Stephen's College
Dr. (Ms.) Shashi Bhardwaj	Mata Sundri College
Shri Anil Bhatt	Rajdhani College

Dr. (Ms.) Manjit Sethi	S.G.T.B. Khalsa College
Ms. Mamta Singla	Bhagini Nivedita College
Dr. Ramesh Chand Sharma	School of Open Learning
Dr. B.S. Sharma	Satyawati College
Dr. Devinder Kaur	Sri Guru Nanak Dev Khalsa College
Dr. Kalpana Gupta	Dyal Singh College
Dr. B.P. Sharma	College of Vocational Studies
Dr. (Ms.) Shanta Pradhan	Satyawati Co-Edu. College
Dr. (Ms.) Saroj Diksha	S.P.M. College for Women
Ms. Jayshree Chaudhary	College of Vocational Studies
Dr. (Ms.) Prem Singh	Department of Hindi
Dr.(Ms.) V.M. Arora	Indraprastha College for Women
Ms. Manjula Sholapurkar	Atma Ram Sanatan Dharma College
Dr. R.K. Jain	Shaheed Bhagat Singh College
Ms. Manjari Singh	Keshav Mahavidyalaya
Dr.(Ms.) Rajni	B.R. Ambedkar College
Dr. R. Malhotra	Jesus & Mary College
Shri Kanwar Pal Singh	Deptt. of Library & Information Science
Shri J.M. Manchanda	Shyam Lal College
Shri S.K. Kaushal	Indira Gandhi Institute of Physical Education & Sports Sciences
Dr. (Ms.) S.P. Agrahari	Daulat Ram College
Mr. S. Chandrasekhar	Sri Venkateswara College
Dr. Tajinder Kaur	Sri Guru Nanak Dev College
Shri S.R. Oberoi	Rajdhani College
Shri Swadesh Sharma	P.G.D.A.V. College
Dr. Geeta Sachdeva	Satyawati College

Statute 9(3)(vi)

Co-opted Members

- Professor Kedar Nath Singh (Retd), Jawahar Lal Nehru University, New Delhi.
Ms. Amal Allana (NSD), New Delhi.
Professor Satyapal Gautam, Jawahar Lal Nehru University, New Delhi.
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 Namwar Singh	32, Shivalik Apartments, Alakhnada, New Delhi.
Mr. Grisih Karnad	697, 15 th Cross Road, J.P. Nagar, Phase-II, Bangalore-560078.
Mrs. Vibha Parthasarathy	B-260, Greater Kailash-1, New Delhi-110048.
Professor Partha Chatterjee	Centre for Studies in Social Sciences, R-I, Baishnabhata, Pantil Township, Kolkata-700094.
Professor Ashish Nandy	Honorary Fellow, CSDS, 29 Rajpur Road, Delhi-110054.

SCIENCE**Statute 9(3)(i)*****Dean***

Professor Rup Lal

Statute 9(3)(ii)***Heads of Departments***

Professor D.S. Kulshrestha	Physics	
Professor V.S. Parmar	Chemistry	
Professor A.K. Bhatnagar	Botany	(upto 12.06.2008)
Professor I. Usha Rao	Botany	(w.e.f. 13.06.2008)
Professor P.K. Ghosh	Anthropology	
Professor A.M. Bhola	Geology	
Professor P. Pardha Saradhi	Environmental Biology	
Dr. Anupama Siddhu	Home Science	(upto 20.10.2008)
Dr. (Mrs.) Kumud Khanna	Home Science	(w.e.f. 21.10.2008)
Professor B.P. Srinivasan	Pharmacy	

Statute 9(3)(iii)***Professors other than Head of the Departments*****Physics & Astrophysics**

Professor M.P. Srivastava	Professor A. Mukherjee
Professor K.L. Baluja	Professor R.P. Tandon
Professor G.L. Bhalla	Professor Sanjay Jain
Professor B.C. Choudhary	Professor Debejyoti Choudhary
Professor Avinash Khare	Professor P. Das Gupta
Professor S. Mahajan	Professor S. Annapoorni
Professor K. Sreenivas	Professor H.P. Singh

Chemistry

Professor N.K. Kaushik	Professor Ramesh Chandra
Professor S.M.S. Chauhan	Professor Gurmeet Singh
Professor Pavan Mathur	Professor A.K. Bakshi
Professor S.C. Jain	Professor R.C. Rastogi
Professor Monika Dutta	Professor Rita Kakkar
Professor J.M. Khurana	Professor M. Kidwai
Professor R.K. Sharma	

Botany

Professor S.K. Sawhney	Professor S.C. Bhatla
Professor V.P. Singh	Professor K.S. Rao
Professor A.K. Pandey	Professor Amar Kumar

Zoology

Professor K. Murlidhar	Professor V.K. Bhasin
Professor A.K. Singh	Professor Madan Mohan Chaturvedi
Professor Umesh Rao	Professor Rina Chakrabarti
Professor Neeta Sehgal	

Anthropology

Professor Surinder Nath	Professor A.K. Kapoor
Professor S.L. Malik	Professor V.K. Srivastava
Professor P.C. Joshi	Professor (Mrs.) S. Kapoor
Professor Subhadra Channa	Professor M.P. Sachdeva

Geology

Professor S.K. Tandon	Professor M. Deb
Professor P.K. Verma	Professor V. Sharma
Professor V.N. Bajpai	Professor J.P. Shrivastava
Professor Talat Ahmad	Professor C.S. Dubey

Pharmacy

Professor S.S. Agrawal

Statute 9(3)(iv)

One Reader and one Lecturer by Rotation according to the Seniority from each Department

Dr. S.K. Singh	Reader	Geology	(upto 19.03.2009)
Dr. Anupam Chattopadhyay	Reader	Geology	(w.e.f. 24.03.2009)
Dr. Rina Chakrabarti	Reader	Zoology	(upto 19.03.2009)
Dr. Dalip Kumar Singh	Reader	Zoology	(w.e.f. 24.03.2009)

Dr. Shahnawaz	Reader	Physics & Astrophysics	(upto 16.03.2009)
Dr. Binay Kumar	Reader	Physics & Astrophysics	(upto 24.03.2009)
Dr. Rajinder Gupta	Reader	Botany	
Dr. Supriya Kumar Kar	Lecturer	Physics & Astrophysics	
Dr. Ashok Kumar Prasad	Reader	Chemistry	(w.e.f. 08.05.2008)
Dr. G.K. Kshatriya	Reader	Anthropology	(w.e.f. 08.05.2008)
Dr. (Mrs.) K.N. Saraswathy	Lecturer	Anthropology	
Shri K.K. Thakur	Lecturer	Delhi Institute of Pharmaceutical Science and Research	
Dr. K. Tharanikkarasu	Lecturer	Chemistry	(w.e.f. 06.06.2008)

Statute 9(3)(v)

One Teacher concerned by Rotation according to Seniority from each College

Dr. R.K. Garg	St. Stephen's College	
Dr. R.K. Trikha	Hans Raj College	(upto 19.5.2008)
Dr. A.K. Verma	Swami Sharddhanand College	
Dr. G.K. Arora	A.R.S.D. College	(upto 01.8.2008)
Dr. Rajesh Mohan	Atma Ram Sanatan Dharma College	
Ms. Anupama	Keshav Mahavidyalaya	
Dr. Y.K. Bhoon	Sri Venkateswara College	
Dr.(Ms.) Manisha Verma	Acharya Narendra Dev College	
Dr. K. Gupta	Miranda House	
Dr.(Mrs.) Usha Vij	Institute of Home Economic	
Ms. Rachna Mohan	Bhagini Nivedita College	
Dr.(Ms.) Inderjeete Kaur Sethi	S.G.T.B. Khalsa College	
Dr. Kulvinder Singh	Deen Dayal Upadhyaya College	
Dr. Rajiva Gupta	Shyam Lal College	
Dr. B.B. Handoo	Moti Lal Nehru College	
Dr. (Ms.) Deepa Joshi	Shaheed Rajguru College of Applied Science	
Dr. K.S. Balasubramanian	Zakir Hussain College	
Mr. S.K. Salhotra	Dyal Singh College	
Dr. (Ms.) Nita Aeron		
Dr. N.K. Gautam	Rajdhani College	
Dr. Anjana Nanchahal	Kalindi College	
Dr. Yogendra Kumar	Sri Aurobindo College	
Ms. Sarita Sobti	Shyama Prasad Mukherji College for Women	
Ms. Preeti Goel	School of Open Learning	
Dr. V.K. Mehta	Shivaji College	
Shri I.M. Kapahy	Kirori Mal College	(upto 29.01.2009)

Statute 9(3)(vii)***Nominated by the Academic Council***

Hon'ble Mr. Justice Arjun Sikri, Judge, High Court of Delhi, New Delhi.

Professor K.N.Chandra Sekhar Pillai, Director, Indian Law Institute, New Delhi.

Professor S.S. Singh, Director, National Law Institute University, Bhopal.

Professor V.K. Gupta, Dean, Faculty of Law, Jamia Millia Islamia University, New Delhi.

Professor S.K. Bhatnagar, Dean, Faculty of Law, Dr. B.R. Ambedkar University, Lucknow.

MEDICAL SCIENCES**Statute 9(3)(i)*****Dean***

Professor Kiran Mishra (w.e.f. 23.01.2009)

Heads of the Departments

Professor Ashok Kumar	Anaesthesiology (UCMS)	(w.e.f. 29.10.2008)
Professor Kamlesh Khatri	Anatomy (UCMS)	
Professor Suman Bala Sharma	Bio-Chemistry (UCMS)	(upto 29.01.2009)
Professor Suneela Garg	Community Medicine (MAMC)	
Professor Archana Singal	Dermatology and Venerology (UCMS)	
Professor N.K. Aggarwal	Forensic Medicine (UCMS)	
Professor S.K. Jain	Medicine (LHMC)	
Professor Amit Banerjee	Surgery (G.B. Pant Hospital)	
Professor Anita Chakravarty	Microbiology (MAMC)	(w.e.f. 29.10.2008)
Professor Usha Manaktala	Obstetrics & Gynaecology (MAMC)	
Professor Jolly Rohtagi	Ophthalmology (UCMS)	(w.e.f. 22.10.2008)
Professor Anil Kumar Dhall	Orthopaedics (MAMC)	
Professor T.S. Anand	Otolaryngology (LHMC)	(w.e.f. 13.02.2009)
Professor Anand Prakash Dube	Paediatrics (MAMC)	
Professor Tejinder Singh	Pathology (MAMC)	(w.e.f. 28.11.2008)
Professor S.K. Bhattacharya	Pharmacology (UCMS)	(w.e.f. 20.07.2008)
Professor Savita Singh	Physiology (UCMS)	
Professor R.C. Jiloha	Psychiatry (MAMC)	
Professor Raj Kumar	Pulmonary Medicine (VPCI)	(w.e.f. 29.09.2008)
Professor Rama Anand	Radiology & Radio Therapy (LHMC)	(w.e.f. 23.10.2008)
Professor Mahesh Verma	Maulana Azad Institute of Dental Sciences	(w.e.f. 06.10.2008)

Statute 9 (3) (iii)***All Professors of the Departments****Anaesthesiology*

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 Jaspal Singh	Maulana Azad Medical College
Professor Rajiv Chawla	University College of Medical Sciences
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 Jugesh Khanna	University College of Medical Sciences
Professor S.K. Sangri	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 Rewa Choudhary	Lady Hardinge Medical College
Professor Anita Tuli	Lady Hardinge Medical College

Bio-Chemistry

Professor H. G. Raj	V.P. Chest Institute
Professor B.D. Banerjee	University College of Medical Sciences
Professor J. K. Gambhir	University College of Medical Sciences
Professor Dinesh Puri	University College of Medical Sciences
Professor K. M. Prabhu	University College of Medical Sciences
Professor Sarita Agarwal	Maulana Azad Medical College
Professor S.K. Bansal	V. P. Chest Institute

Community Medicine

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 A. Indrayan	University College of Medical Sciences

Professor Vibha	Lady Hardinge Medical College
Professor Y. Bansal	Maulana Azad Medical College
Professor S. Nagesh	Lady Hardinge Medical College
Professor Pragati Chhabra	University College of Medical Sciences

Dermatology & V.D.

Professor Vijay Kumar	Maulana Azad Medical College
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Forensic Medicine

Professor G.K. Sharma	Lady Hardinge Medical College
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

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	Dr. Ram Manohar Lohia Hospital
Professor S.K. Sharma	Lady Hardinge Medical College
Professor Naresh Kumar Gupta	Maulana Azad Medical College
Professor Sunil Aggarwal	University College of Medical Sciences

Surgery

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 K. Singhal	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	Ram Manohar Lohia Hospital
Professor S. Ashok	Lady Hardinge 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

Microbiology

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 M.K. Aggarwal	V.P. Chest Institute
Professor S.S. Thukral	V.P. Chest Institute
Professor Beena Uppal	Maulana Azad Medical College
Professor C.P. Baveja	Maulana Azad Medical College
Professor N.P. Singh	University College of Medical Sciences
Professor Preena Bhalla	Maulana Azad Medical College
Professor M. Bose	V. P. Chest Institute
Professor Geeta Mehta	Lady Hardinge Medical College

Obstetrics & Gynaecology

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

Ophthalmology

Professor V.P. Gupta	University College of Medical Sciences
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Orthopaedics

Professor Sudhir Kumar	University College of Medical Sciences
Professor V.K. Gautam	Maulana Azad Medical College
Professor Ajay Kumar Gupta	Maulana Azad Medical College
Professor Shobha Arora	University College of Medical Sciences
Professor A.K. Jain	University College of Medical Sciences

Otolaryngology

Professor J.K. Sahni	Lady Hardinge Medical College
Professor Arun Kumar Aggarwal	Maulana Azad Medical College
Professor T.S. Anand	Lady Hardinge Medical College
Professor N.N. Mathur	Lady Hardinge Medical College
Professor Laxmi Vaid	University College of Medical Sciences
Professor Anoop Raj	Maulana Azad Medical College

Paediatrics

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 R.N.M. Ravi	Lady Hardinge 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 A.P. Dubey	Maulana Azad Medical College
Professor Bimbadhar Rath	Lady Hardinge Medical College
Professor S. Aneja	Lady Hardinge Medical College

Pathology

Professor Meera Sikka	University College of Medical Sciences
Professor Satendra Sharma	University College of Medical Sciences
Professor Usha Rani Singh	University College of Medical Sciences
Professor V.K. Arora	University College of Medical Sciences
Professor Navjeevan Singh	University College of Medical Sciences
Professor Sarla Aggarwal	University College of Medical Sciences
Professor Usha Rusia	University College of Medical Sciences
Professor (Ms) Arti Bhatia Chhako	University College of Medical Sciences
Professor (Ms) Kiran Mishra	University College of Medical Sciences
Professor Medha Tatke	G. B. Pant Hospital
Professor Geeta Dev	University College of Medical Sciences
Professor M. Chaudhary	Lady Hardinge Medical College

Pharmacology

Professor A. Ray	V.P. Chest Institute
Professor Pramod Kumari	University College of Medical Sciences
Professor Navesh Khanna	University College of Medical Sciences
Professor K. K. Sharma	University College of Medical Sciences
Professor Uma Tekur	Maulana Azad Medical College

Physiology

Professor K. Ravi	V.P. Chest Institute
Professor Rashmi Babbar	Maulana Azad Medical College
Professor Ajay Kumar Jain	Maulana Azad Medical College
Professor Asha Gandhi	Lady Harding Medical College
Professor Neelima Shankar	University College of Medical Sciences
Professor V.P. Varshney	Maulana Azad Medical College
Professor S.S. Sircar	University College of Medical Sciences

Psychiatry

Professor M.S. Bhatia University College of Medical Sciences

Pulmonary Medicine

Professor S.N. Gaur V.P. Chest Institute
Professor Ashok Shah V.P. Chest Institute
Professor S.K. Chhabra V.P. Chest Institute

Radiology

Professor S.K. Bhargava University College of Medical Sciences
Professor Anil Kumar Bahadur Maulana Azad Medical College
Professor M.K. Narula Lady Hardinge Medical College
Professor Gopesh Mehrotra University College of Medical Sciences

Dentistry

Professor Namita Kalra University College of Medical Sciences

Statute 9 (3) (iv)

One Reader and one Lecturer by Rotation according to Seniority

Readers

Dr. R.C. Jiloha Psychiatry (MAMC)
Dr. Anil Arora Orthopaedics (UCMS)
Dr. Harish Chander Taneja Otolaryngology (UCMS)
Dr. Navneet Kaur Surgery (UCMS)
Dr. Archana Singal Dermatology & Venaerology (UCMS)
Dr. Anil Kohli Forensic Medicine (UCMS)
Dr. Gajender Singh Ranga Medicine (UCMS)
Dr. J. L. Goyal Ophthalmology (MAMC)
Dr. Ravinder Kaur Medical Microbiology (MAMC)
Dr. U.C. Verma Anesthesiology (MAMC)
Dr. Manoj Sharma Radiology (MAMC)
Dr. Ajay Kumar Paediatrics (MAMC)
Dr. Neelam Vaney Physiology (UCMS)
Dr. A.K. Sharma Community Medicine (UCMS)

Lecturers

Dr. Vinod Kumar Orthopaedics (MAMC)
Dr. Aruna Lata Agarwal Psychiatry (MAMC)
Dr. Satya Vir Singh Community Medicine (MAMC)
Dr. Richa Dewan Medicine (MAMC)

Dr. Ritu Arora	Ophthalmology (MAMC)
Dr. Arvind Saili	Paediatrics (LHMC)
Dr. Sunita Sharma	Pathology (LHMC)
Dr. Arti Sood Mahajan	Physiology (UCMS)
Dr. Nilima Gupta	Otolaryngology (UCMS)
Dr. Deepika Pandhi	Dermatology & Venaerology (UCMS)
Dr. R.L. Tripathi	Bio-Chemistry (UCMS)
Dr. Mandira Varma	Microbiology (VPCI)
Dr. Asmita Muthal Rathore	Obstt. & Gyane (MAMC)
Dr. Balakrishanan Menon	Pulmonary Disease (VPCI)
Dr. Munisha Aggarwal	Aneesthesiology (MAMC)

Statute 9 (3) (vi)

Co-Opted Members

Dr. J.C. Das	H.No..1 Drs' Apartment, Vasundara Enclave, Mayur Vihar, Delhi.
Dr. B.B.L. Aggarwal	3-Drs' Apartment, Vasundara Enclave, Mayur Vihar, Delhi.
Dr. Rajesh Kumar	Department of Community Medicine, P.G.I., Chandigarh.
Dr. V.R. Minocha	Retd. Professor of Surgery UCMS.
Dr. Raminder Sehgal	(Retd.), Director Professor and Head Department of Anaesthesia MAMC.

Statute 9(3) (vii)

Nominated by the Academic Council

Dr. Ananthnarayanan P.H.	Deputy Director (Medical), Directorate General of Health Services, Nirman Bhawan, New Delhi.
Dr. Renu Saxena	Head, Department of Haematology, AIIMS
Professor Vinay Sakhuja	Dean, PGI, Chandigarh, Head, Department of Nephrology, Chandigarh.
Professor R.K. Sharma	Dean, SGPGI, Lucknow, Rai Barilly Road, Lucknow, U.P.
Professor P. Julika	Head, Department of Radiotherapy, AIIMS.

AYURVEDIC & UNANI MEDICINE

Statute 9(3)(i)

Dean

Dr. Abdul Hafeez

Statute 9(3)(ii)

Heads of the Departments

Dr. K.K. Sijoria	-	Ayurveda
Dr. Abdul Hafeez	-	Unani

Statute 9(3) (iv)

One Reader and one Lecturer by Rotation according to Seniority

Dr. Rajni Sushma

Dr. K.U. Qadari

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)

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Dr. V.V. Chikkara, Principal, Government Ayurveda College, Kurukshetra, Haryana.

Mohd. Anis Ansari, Prof. of Tasreeh, A.K. Unani College, A.M.U. Alligarh, (UP).

Dr Dayashanker Mishra, Associate Professor Kaya Chikitsa, National Institute of Ayurveda, Jaipur.

Professor Rakesh Pawar, Head, Department of Kayachikitsa, D.A.V. Ayurveda College, Jalander, Punjab.

Dr. M. Akhtar Siddiqui, Reader, Department of Moalejat, Jamia Hamdard, Hamdard Nagar, New Delhi.

MATHEMATICAL SCIENCES

Statute 9(3)(i)

Dean

Professor (Ms.) Manju Lata Aggarwal

Statute 9(3)(ii)

Heads of the Departments

Professor S.C. Arora

Mathematics

Professor M.C. Aggarwal

Statistics

Professor (Ms.) Manju Lata Aggarwal

Operational Research

Dr. (Ms.) Punam Bedi

Computer Science

Statute 9(3)(iii)

All Professors other than Head of the Departments

Professor Ajit Iqbal Singh

Mathematics

Professor Dinesh Singh	Mathematics
Professor B.K. Dass	Mathematics
Professor T.B. Singh	Mathematics
Professor Ajay Kumar	Mathematics
Professor Jagdish Saran	Statistics
Professor A.K. Bansal	Statistics
Professor (Ms.) Davinder Bhatia	Operational Research

Statute 9(3)(iv)

One Reader and one Lecturer by rotation according to seniority

Mr. Vusala Ambethkar	Mathematics	
Mr. Kumar Abhay	Statistics	(w.e.f. 08.05.2008)
Dr. (Ms.) Preeti Wanti Srivastava	Operational Research	
Dr. Vasudha Bhatanagar	Computer Science	
Shri Amit Kumar Bardhan	Operational Research	
Dr. (Ms.) Poonam Singh,	Statistics	
Dr. R.K. Mohanty	Mathematics	

Statute 9(3)(v)

One Teacher from each College by rotation according to Seniority

Dr. Babu Ram Gupta	Sri Venkateswara College
Ms. Chitra Sharma	Lakshmibai College
Ms. Sangeeta Sethi	St. Stephen's College
Mr. D. Goswami	Hindu College
Dr. Naseem Ajmal	Zakir Hussain College
Mr. Vikas Madan	Shri Ram College of Commerce
Dr. (Ms.) Swaran Khanna	Indraprastha College for Women
Ms. Rashmi Goel	Kirori Mal College,
Dr. Sapna Jain	Miranda House
Dr. Neelam Malhotra	Hans Raj College
Dr. S. Madan	Lady Sri Ram College for Women
Dr. V.P. Mishra	Delhi College of Engineering
Dr. Inderjeet Arora	P.G.D.A.V. College
Dr. (Ms.) P. Arya	Janaki Devi Memorial College
Dr. D.R. Jain	Atma Ram Sanatan Dharma College
Ms. Sunderjeet Kaur	S.G.T.B. Khalsa College
Dr. Suman Kumar Verma	School of Open Learning
Ms. Bhawana Kapoor	Gargi College
Shri N.D. Taneja	Shyam Lal College
Dr. S.H. Raza	Swami Sharddhanand College
Ms. Leena Malik	Mata Sundri College for Women
Ms. Jyoti Varshney	Shaheed Bhagat Singh College

Ms. Neelam Bareja	Kalindi College
Ms. Elizabeth Michael	Maitreyi College
Dr. (Ms.) Saroj Sharma	Shivaji College
Dr. Anupam Goel	Moti Lal Nehru College
Dr. (Ms.) C.S. Lalitha	Rajdhani College
Ms. Anita Bakshi	Vivekanand College
Ms. Ishver Rani Manchanda	Dyal Singh College
Shri Man Mohan Singh	College of Vocational Studies
Ms. Paramjeet Kaur	Deen Dayal Upadhyaya College
Ms. Anupama	Acharya Narendra Dev College
Dr. (Ms.) Seema Khurana	Daulat Ram College
Dr. (Ms.) Shobha Bagai	Shyama Prasad Mukherji College for Women
Ms. Arpana Sharma	Keshav Mahavidyalaya
Ms. Punita Saxena	Shaheed Rajguru College of Appl. Scs. (W)
Ms. Saroj Gupta	Kamala Nehru College
Dr. Chaitanya Kumar	Delhi College of Arts & Commerce
Ms. Kanta Wadhwa	Satyawati College
Dr. Seema Gupta	Ram Lal Anand College
Dr. (Ms.) Kochu Rani George	Aditi Mahavidyalaya
Shri Vikas Chaudhary	Bhagini Nivedita College for Women
Shri Rajiv Aggarwal	Sri Aurobindo College
Dr. (Ms.) Sarla Devi Bhardwaj	Bhim Rao Ambedkar College
Ms. Suruchi Chawla	Shaheed Rajguru College of Appl. Scs. (W)
Dr. Manoj Kumar Kantroo	Sri Aurobindo College
Dr. A. Ahuja	Jesus & Mary College

Statute 9(3)(vi)

Co-opted members

Professor Piyush Chandra, Department of Mathematics, IIT Kanpur (UP)
 Professor Shyam Sundar, IBM Solutions, IIT Delhi, Hauz Khas, New Delhi
 Professor Dipendra Prasad, School of Mathematics, TIFR, Trombay, Mumbai
 Professor C. Mohan, C-55, Vijay Rattan Vihar, Sector-15, Part-I, Gurgaon, Haryana
 Dr. S.D. Sharma, Director, Indian Agricultural Statistics Research Institute, New Delhi.

Statute 9(3)(vii)

Nominated by the Academic Council

Professor Shobha Madan, Department of Mathematics, IIT Kanpur (UP)
 Professor P. Prasad, Deptt. of Mathematics, Indian Institute of Science Bangalore.
 Professor Karmeshu, School of Computer & Systems Sciences, JNU, New Delhi
 Professor Arvind Seth, Statistical Institute, Delhi Centre, New Delhi
 Professor A.K. Mittal, Department of Industrial & Management Engg., IIT, Kanpur.

TECHNOLOGY

Statute 9(3)(i)

Dean

Professor Parmod Kumar

(upto 26.07.2008)

Professor S.K. Singh

(w.e.f. 27.07.2008)

Statute 9(3)(ii)

Heads of the Departments

Professor Parmod Kumar , Electrical Engineering, Computer Engineering, Applied Sciences & Humanities, Information Technology & Bio–Technology, (upto 26.07.2008)

Professor S.K. Singh, Civil Engineering, Computer Engineering, Applied Sciences & Humanities, Information Technology & Bio–Technology, (w.e.f. 27.07.2008)

Professor Asok De Electronics & Communication Engineering

Professor J.R.P. Gupta Instrumentation & Control Engineering

Professor S. Maji Mechanical Engineering

Professor S.K. Garg Production & Industrial Engineering

Professor Narendra Kumar, Electrical Engineering, (w.e.f. 27.07.2008)

Statute 9(3)(iii)

All Professors of the Departments

Professor A. Bhattacharya Electronics & Communication Engineering

Professor Raj Senani Electronics & Communication Engineering

Professor P.R. Bose Civil Engineering

Professor C.K. Dutta Production & Industrial Engineering

Professor P.B. Sharma Mechanical Engineering

Professor Ashutosh Trivedi Civil Engineering

Statute 9(3)(iv)

Co-Opted Members

Dr. (Mrs.) Reva Devi Department of Civil Engineering, I.I.T.,New Delhi

Dr. N.R. Khan Head, Department of Electronics & Communication Engineering, J.M.I., New Delhi.

Professor K.K. Biswas Department of Computer Engineering, I.I.T., New Delhi.

Statute 9(3)(vii)

Nominated by Academic Council

Professor S.P. Gupta, Head, Department of Electrical Engineering, IIT Roorkee, Roorkee (Uttaranchal)

Professor Mini S. Thomas, Chairperson, IEEE-WIE, Department of Electrical Engineering, Jamia Millia Islamia, Jamia Nagar, New Delhi.

Professor P.K. Singhal, Head, Department of Computer Science and Engineering, Madhav Institute of Technology, Gwalior. (M.P.)

Professor Aparna Dixit, Professor of Biotechnology, Jawahar Lal Nehru University, New Delhi.

Professor Sneh Anand, Department of Biomedical Engineering, IIT, Hauz Khas, New Delhi.

SOCIAL SCIENCES

Statute 9(3) (i)

Dean

Professor Achin Vanaik

Statute 9(3) (ii)

Heads of the Departments

Professor Sanjay Bhatt	Social Work
Professor B.L. Pandit	Economics
Dr. Barkatullah Khan	Geography
Professor Rajni Palriwala	Sociology
Professor N.K. Chadha	Adult Continuing Education & Extension
Professor Madhu Bhalla	East Asian Studies
Professor S.Z.H. Jafri	History
Dr. Suresh Kumar	African Studies
Professor Achin Vanaik	Political Science

Statute 9(3) (iii)

All Professors of the Departments

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Professor B.D. Chatterjee	History
Professor Pami Dua	Economics
Professor Partha Sen	Economics
Professor B.L. Pandit	Economics
Professor H. Ramachandra	Geography
Professor (Ms.) N. Lahiri	History
Professor Shahid Amin	History
Professor Shreemati Chakrabarti	East Asian Studies
Professor K.M. Shrimali	History
Professor S.Z.H. Jafri	History
Professor R.C. Thakran	History
Professor T.K.V. Subramanian	History
Professor Aditya Bhattacharjee	Economics
Professor Sunil Kanwar	Economics
Professor Achin Vanaik	Political Science

Professor Bidyut Chakrabarty	Political Science
Professor Virginius Xaxa	Sociology
Professor Nandini Sunder	Sociology
Professor Satish Deshpande	Sociology
Professor (Ms.) Neera Chandhoke	Political Science
Professor Santosh C. Panda	Economics
Professor B.P. Sahu	History
Professor Brij Mohan Tankha	East Asian Studies
Professor S. Mukherjee	Political Science
Professor Sushma Batra	Social Work
Professor Abhijit Dasgupta	Sociology
Professor Rajni Palriwala	Sociology
Professor Tulsi Patel	Sociology
Professor Rohini Somanathan	Economics
Professor J.V. Meenakshi	Economics
Professor Basu Dev Chatterjee	History
Professor Amar Farooqui	History
Professor Sunil Kumar	History
Professor Subrata Mukherjee	Political Science
Professor Meenakshi Thapan	Sociology
Professor Ashwini Deshpande	Economics
Professor Upinder Singh	History
Professor Mahesh Rangarajan	History
Professor Farhat Hasan	History
Professor Sneh Lata Tandon	Social Work

Statute 9(3) (iv)

One Reader and one Lecturer by Rotation according to Seniority

Ms. Abhijit Banerjee	Economics
Dr. Manoj Kumar Jha	Social Work
Dr. Paramjit	Economics
Ms. Shahin Sultana	Social Work
Dr. Sunil Kumar	History
Dr. Satyajit Singh	Political Science
Dr. Radhika Chopra	Sociology
Dr. (Ms.) Anu Kapur	Geography
Dr. (Ms.) Unita Sachidanand	East Asian Studies
Dr. N. Sukumar	Political Science
Dr. Tribhuwan Prasad	African Studies
Shri Tilla Kumar	Sociology
Dr. (Ms.) Aparajita De	Geography
Dr. Janardan Sahu	East Asian Studies

Statute 9(3) (v)***One Teacher from each College by Rotation according to Seniority***

Ms. Rena Sewak	Lady Shri Ram College for Women
Shri S.K. Nagpal	Ram Lal Anand College
Ms. M. Verma	Janki Devi Memorial College
Ms. Shakuntala Gupta	Kamala Nehru College
Ms. Suchitra Gupta	Hindu College
Ms. Subhash Shegal	Indraprastha College
Shri Himanshu Roy	Deen Dayal Uppadhyaya College
Shri Narendra Sharma	Zakir Husain College
Ms. M. Fernandes	Janki Devi Memorial College
Ms. M. Sardesai	Jesus & Mary College
Shri Nainu Ram	Shyam Lal College
Shri Bir Inder Singh	S.G.T.B. Khalsa College
Dr. R.D. Panwar	College of Vocational Studies
Ms. P.S. Bharati	Sri Venkateswara College
Ms. Vishu Bhalla	Maitreyi College
Ms. Kiran Bhasin	Lady Shri Ram College for Women
Dr. S. Sachdeva	Kalindi College
Dr. D.K. Singh	Shivaji College
Dr. K. Prabha	Shaheed Bhagat Singh College
Shri Anil Sethi	S.G.T.B. Khalsa College
Mr. Sanjay Rao Ayde	St. Stephen's College
Dr. Parmanand	School of Open Learning
Dr. (Ms.) K. Prabha	Shaheed Bhagat Singh College
Ms. Beena Antomy	Aditi Mahavidyalaya
Ms. Sangita	Deen Dayal Uppadhyaya College
Dr. J.S. Khokhar	Shri Ram College of Commerce
Dr. S.A. Hamideen	Zakir Husain College (Evening)
Ms. Sudershan Mittal	Vivekanand College
Dr. Devinder Kaur	S.G.T.B. Khalsa College
Dr. Firdos Anwar	Kirori Mal College
Ms. Sheela Bajaj	Delhi College of Arts & Commerce
Dr. Sunil Parashar	Lakshmibai College
Mr. S.R. Oberoi	Rajdhani College
Mr. K.K. Anand	A.R.S.D. College

Statute 9(3) (vi)***Co-opted Members***

Professor Arunava Sen	Indian Statistical Institute, New Delhi.
Professor D.L. Seth	C.S.D.S., Delhi.
Professor Survinjit Mehta	Panjab University.
Professor Amrit Srinivasan	Indian Institute of Technology, New Delhi.
Professor Narayani Gupta	Department of History, Jamia Millia Islamia University, New Delhi.

Statute 9(3) (vii)***Nominated by the Academic Council***

Professor Vijay Gupta, Formerly of Centre for West Asian & African Studies, School of International Studies, Jawaharlal Nehru University, New Delhi.

Dr. Sheena Jari Department of Sociology, Jamia Millia Islamia University, New Delhi.

Professor Narayani Gupta Department of History, Jamia Millia Islamia University, New Delhi.

Professor Satya Prasanna Das Indian Statistical Institute, New Delhi.

Professor Saraswati Raju Centre for the Study of Regional Development, School of Social Sciences, Jawahar Lal Nehru University, New Delhi.

APPLIED SOCIAL SCIENCES AND HUMANITIES***Dean***

Professor Rashmi Agrawal

Head

Professor Rashmi Agrawal

Other Members

Professor V.K. Kaul	Business Economics
Dr. Deepa Saran	Business Economics
Dr. Yamini Gupt	Business Economics
Professor S.K. Vij	Slavonic & Finno-Ugrian Studies
Professor Ravi Nagpal	Slavonic & Finno-Ugrian Studies
Dr. Rashmi Joshi	Slavonic & Finno-Ugrian Studies
Professor C.P. Gupta	Chairman, Accounting and Finance Area, Management Development Institute , Gurgaon.
Professor Shashi Kant Jha	Centre for European Studies, Jawaharlal Nehru University, New Delhi.
Professor Anuradha Chenoi	Centre for Russian and Central Asian Studies, Jawaharlal Nehru University, New Delhi.
Professor Indira Rajaraman	NIPFP, Qutab Institutional Area, Member 13 th Finance Commission, New Delhi.
Dr. Rakesh Sahani	Reader, Department of Business Economics, B.R. Ambedkar College, University of Delhi
Mrs. Tarannum Ahmed	Reader, Shaheed Sukhdev College, University of Delhi
Professor Rashmi Doraiswami	Academia of Third World Studies, Jamia Millia Islamia, New Delhi.

EDUCATION

Statute 9(3)(i)

Dean

Professor Bharati Baveja

Statute 9(3)(ii)

Head of the Department

Professor Bharati Baveja

Statute 9(3)(iii)

All Professors of the Department

Professor Shyam B. Menon

Professor Poonam Batra

Professor Anita Rampal

Professor Rama Mathew

Professor Krishna Maitra

Statute 9(3)(iv)

One Reader and one Lecturer by rotation according to Seniority

Dr. Namita Ranganathan

Dr. (Ms.) D. Parimala

Statute 9(3)(v)

One Teacher from each College by rotation according to Seniority

Dr. Radhika Menon

Mata Sundari College for Women

Dr. Dhananjay Shaw

Indira Gandhi Institute of Physical Education

Shri Parmesh Kumar Sharma

MV College of Education

Dr. (Ms.) Girish Bala Chaudhary

Lady Irwin College

Ms. Monika Gupta

Gargi College

Dr. Jyoti Sharma

Shyama Prasad Mukherjee College

Dr. R.G. Mathur

R.A.K. College of Nursing

Ms. Susmita Ramanathan

MD-3, Sah Vikas Apts.,68 I.P.Exten., Delhi.

Dr. S. Rajashree

Lady Shri Ram College for Women

Dr. Indu Nashier

Aditi Mahavidyalaya

Statute 9(3)(vi)

Co-opted Members

Professor (Ms.) Santosh Sharma

Department of Teacher Education Curriculum Group
National Council of Educational Research and
Training Sri Aurobindo Marg, New Delhi.

Professor Ajit Mohanty

Chairman, Zakir Hussain Centre for Educational
Studies School of Social Sciences, Jawaharlal Nehru
University, New Delhi.

Professor R.S. Khan (Retd.)	232/5, Lane No. 7, Gaffar Manzil, Jamia Nagar, New Delhi.
Professor Vasudha Kamat	Central Institute of Educational Technology, NCERT, Sri Aurobindo Marg, New Delhi.

Statute 9(3)(v)

Nominated by the Academic Council

Professor Avinash K. Singh	Department of Foundations of Education, National University of Educational Planning and Administration (NUEPA), 17-B, Sri Aurobindo Marg, New Delhi.
Professor Satvir Singh	CA/1C, 2 nd 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.

INTER-DESCIPLINARY AND APPLIED SCIENCES

Dean

Professor Rani Gupta

Other Members

Professor D.P. Sarkar	Professor Akhilesh K. Tyagi
Professor A.K. Pradhan	Professor S. Srivastava
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Professor R.C. Kuhad	Dr. Subhendu Ghosh
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Dr. Sanjay Kapoor
Dr.(Ms.) Shobhna Chandra
Dr. (Ms.) Poonam Kasturi
Dr. Anita Kapila
Dr. (Ms.) Sarita Nanda
Dr. Bijay Kumar Kuanr
Dr. S.K. Srivastava
Dr. Amit Sehgal

Dr. R.K. Gupta
Mr. Amit Garg
Dr. Arti Nigam
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Dr. Kalpana Gupta - Lecturer, Dyal Singh College

Punjabi

Dr. Manjit Singh - Head
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Sanskrit

Professor Madan Mohan Agrawal - Head
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Dr. Mithilesh Chaturvedi - Reader
Dr. Purnima Kaul
Dr. Sushma Kulshreshtha Daulat Ram College

Urdu

Dr. Irteza Karim - Head
Dr. N.M. Kamal

Dr. T.A. Khan	-	Reader
Dr. Najma Rehmani		
Dr. Mumtaz Mujeeb	-	Lecturer, Zakir Husain College

Persian

Professor Chander Shekhar	-	Head
Professor S.B.F. Husaini		
Professor Rehana Khatoon		
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Dr. Rajinder Kumar		

Philosophy

Professor Ashok Vohra	-	Head
Dr. Shashi Motilal		
Dr. Anuradha Veeravalli		
Dr. Krishna Jain	-	J.D.M. College
Dr. Anuradha Mathur	-	S.P.M. College

Hindi

Professor S. Pachouri	-	Head
Dr. Ramesh Gautam		
Dr. P.C. Tandon		

SOCIAL SCIENCES

Chairman

Professor Achin Vanaik

African Studies

Dr. Sudesh Kumar	-	Head
------------------	---	------

East Asian Studies

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Professor (Ms.) Sreemati Chakrabarti		
Dr. Janardan Sahu		
Dr. Unita Sachidanand		

Economics

Professor B.L. Pandit	-	Head
Professor Partha Sen		
Dr. Abhijit Banerji	-	Reader
Dr. Paramjit	-	Sr. Lecturer

Geography

Dr. Barkatullah Khan	-	Head
Professor H. Ramachandran		
Dr. S.C. Rai	-	Reader
Dr. Anjan Sen	-	Lecturer
Dr. V.K. Tyagi	-	Lecturer, Shaheed Bhagat Singh College

History

Professor S.Z.H. Jafri	-	Head
Professor K.M. Shrimali		
Professor Shahid Amin		
Dr. R.P. Rana	-	Reader
Dr. D.N. Gupta	-	Lecturer, Hindu College

Political Science

Professor Achin Vanaik	-	Head
Professor Neera Chandhoke		
Dr. Shanta N. Varma	-	Reader
Dr. N. Sukumar	-	Lecturer
Dr. G.N. Trivedi	-	Moti Lal Nehru College (Eve.)

Social Work

Professor Sanjai Bhatt	-	Head
Professor Sushma Batra		
Shri Manoj Kumar Jha	-	Reader
Mrs. Neera Agnimitra	-	Lecturer

Sociology

Professor Rajni Palriwala	-	Head
Professor Satish Deshpande		
Dr. Radhika Chopra	-	Reader
Dr. Dinaz Mirchandani	-	Miranda House
Dr. Vandana Madan	-	JDM College

Adult Continuing Education & Extension

Professor N.K. Chaddha	-	Head
Professor S.Z.S. Jafri	-	Vice-Chancellor Nominee
Dr. Rajesh	-	Reader
Dr. D.D. Aggarwal	-	Lecturer

Vice-Chancellor Nominees

Professor B.P. Sahu	-	History
Professor Malashri Lal	-	English

SCIENCE

Chairman

Professor V.S. Parmar	(upto 02.11.2008)
Professor Rup Lal	(w.e.f. 03.11.2008)

Heads of Departments

Professor D.S. Kulshrestha	Physics & Astrophysics	
Professor V.S. Parmar	Chemistry	
Professor A.K. Bhatnagar	Botany	(upto 12.06.2008)
Professor (Ms.) I. Usha Rao	Botany	(w.e.f. 13.06.2008)
Professor Rup Lal	Zoology	
Professor P.K. Ghosh	Anthropology	
Professor A.M. Bhola	Geology	
Professor P. Pardha Saradhi	Environmental Biology	(upto 14.04.2008)
Professor Rup Lal		(w.e.f. 15.04.2008)
Dr. Daman Saluja	ACBR	
Professor B.P. Srinivasan	Pharmacy	
Dr. Anupa Siddhu	Home Science	(upto 20.10.2008)
Dr. Kumud Khanna	Home Science	(w.e.f. 21.10.2008)
Professor Mihir Deb	School of Environment Studies	

Professors

Professor K.L. Balulja	Physics & Astrophysics	(upto 22.10.2008)
Professor M.P. Srivastava	Physics & Astrophysics	(w.e.f. 23.10.2008)
Professor S.M.S. Chauhan	Chemistry	(upto 07.10.2008)
Professor N.K. Kaushik	Chemistry	(w.e.f. 08.10.2008)
Professor S.K. Sawhney	Botany	
Professor A.K. Singh	Zoology	(upto 06.10.2008)
Professor K. Muralidhar	Zoology	(w.e.f. 07.10.2008)
Professor V.N. Bajpai	Geology	(upto 28.08.2008)
Professor J.P. Srivastava	Geology	(w.e.f. 15.09.2008)
Professor Vinay Kumar Srivastava	Anthropology	(upto 23.10.2008)
Professor Surinder Nath	Anthropology	(upto 24.10.2008)
Professor S.S. Agrawal	Pharmacy	(w.e.f. 17.11.2008)

Readers

Dr. Binay Kumar	Physics & Astrophysics	(upto 22.10.2008)
Dr. Shannawaz	Physics & Astrophysics	(w.e.f. 23.10.2008)
Dr. Shrikant Kukreti	Chemistry	(upto 07.10.2008)

Dr. Harish Chandra	Chemistry	(w.e.f. 08.10.2008)
Dr. D.B. Sahoo	Botany	(upto 07.10.2008)
Dr. S.B. Babbar	Botany	(w.e.f. 08.10.2008)
Dr. Rina Chakrabarti	Zoology	(upto 02.04.2008)
Dr. Neena Sehgal	Zoology	(upto 06.10.2008)
Dr. Rina Chakrabarti	Zoology	(w.e.f. 07.10.2008)
Dr. S.M. Patnaik	Anthropology	(upto 05.07.2008)
Dr. G.K. Kshatriya	Anthropology	(upto 23.10.2008)
Dr. S.M. Patnaik	Anthropology	(w.e.f. 24.10.2008)
Dr. Pankaj Srivastava	Geology	
Dr. Kumud Khanna	Home Science	(upto 07.09.2008)
Dr. Anuppa Siddhu	Home Science	(w.e.f. 21.10.2008)
Dr. D.K. Majumdar	Pharmacy	(w.e.f. 17.11.2008)

Lecturers

Dr. Somorendro Singh	Physics & Astrophysics	(w.e.f. 26.09.2008)
Dr. Rajeev Saraswat	Geology	(upto 04.12.2008)
Dr. Rajani Mathur	Pharmacy	(w.e.f. 08.10.2008)
Dr. P. Sagar	Shivaji College	(w.e.f. 26.09.2008)
Dr. S.V. Eswaran	St. Stephen's College	(w.e.f. 08.10.2008)
Dr. Prabhas Pandey	Ram Lal Anand College	(w.e.f. 03.10.2008)

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Professor M.C. Aggarwal	Statistics
Professor Manju Lata Aggarwal	Operational Research
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Mrs. Vidya Kulkarni	Computer Science
Professor Jagdish Saran	Statistics
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Dr. K.K. Aggarwal	Operational Research
Dr. S.R. Arora	Hans Raj College
Dr. (Ms.) Anita Goel	294, Sector-15 A, Noida
Dr. (Ms.) Nirmal Jain	Hindu College
Dr. (Ms.) Veena Jain	B-2, Ashoka Apartment, Sector-9, Rohini, Delhi

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Professor B.C. Nirmal, Law School, Banaras Hindu University, Banaras. (upto 22.09.2008)

Professor S.K. Bhatnagar, Dean, Faculty of Law, Dr. B.R. Ambedkar University, Lucknow. (upto 22.09.2008)

Professor Usha Razdan - Prof.-in-Charge, Law Centre-I (w.e.f. 23.09.2008)

Professor S.C. Raina - Prof.-in-Charge, Campus Law Centre (w.e.f. 23.09.2008)

Professor Poonam Saxena - Prof.-in-Charge, Law Centre-II (w.e.f.23.09.2008)

Professor N.K. Chadha - Department of Adult Education & Extentsion (w.e.f. 23.09.2008)

Dr. Sudhish Pachouri - Department of Hindi

Professor Nomita Aggarwal Professor Gurdip Singh

Professor Veena Bakshi Professor S.L. Maini

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Dr. Pinki Sharma

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Professor Kamlesh Khatri	UCMS
Professor S. B. Sharma	UCMS
Professor Suneela Garg	MAMC
Professor Savita Singh	UCMS
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Chairman

Dean

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Professor S.K. Singh	-	w.e.f. 27.07.2008

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Professor S.K. Singh, Head, Civil Engineering, Applied Science, Information Technology, Bio- Technology & Computer Engineering, (w.e.f. 27.07.2008)

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Professor Ranjit Singh, Director, NSIT. (upto 23.10.2008)

Professor Raj Senani, Director, NSIT. (w.e.f. 24.10.2008)

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 Professor C.K. Dutta, Department of PE,DCE(upto 31.4.2009)
 Dr. A.P. Gupta, Department of Applied Sciences (Chemistry), DCE.
 Dr. A.K. Gupta (F/T), Department of Computer Engineering, DCE.
 Dr. P.R. Chadha, Department of Electrical Communication Engineering, DCE.
 Dr. N.K. Jain, Department of Electrical Engineering, DCE.
 Dr. R.S. Mishra, Department of Mechanical Engineering, DCE.
 Dr. J.K. Mishra, Maths, NSIT.
 Dr. O.P. Thakur, Physics, NSIT.
 Dr. Sanjeev Thakur, Chemistry, NSIT.
 Dr. Sangeeta Sabharwal, Department of Elect. & Comm. Engineering, NSIT.

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Dr. Yamini Gupta	Business Economics
Dr. Aradhna Aggarwal	Business Economics
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Dr. Mari Coueg	Slavonic & Finno-Ugrian Studies
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Mrs. Tarannum Ahmed	Shaheed Sukhdev College of Business Studies

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Professor Pullin Nayak	Economics
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NORTH CAMPUS

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Professor Ramesh Chand		Chairman	(w.e.f. 30.05.2008)
Professor Ramesh Chand		Experts Member	(upto 29.05.2008)
Professor Anil Grover		Experts Member	(w.e.f. 30.05.2008)
Professor Pronab Sen		Experts Member	
Professor T.S. Popola		Experts Member	
Professor Abhijit Sen		E.C. Nominee	

Dr. B.R. AMBEDKAR CENTRE FOR BIO-MEDICAL RESEARCH

Professor S.K. Tandon, (Pro-Vice-Chancellor)	Chairman
Professor Rajendra Prashad, J.N.U.	E.C. Nominee
Professor Nishi Madan, U.C.M.S.	E.C. Nominee
Professor Dinesh Singh, Director, S.D.C.	E.C. Nominee
Professor Nayanjot Lahiri, Dean of College	E.C. Nominee

KIRORI MAL COLLEGE

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Mr. M.S. Ganesh		E.C. Nominee	
Mr. S.V.S. Juneja		E.C. Nominee	(upto 03.06.2008)
Ms. Ruby Ahuja		E.C. Nominee	(w.e.f. 04.06.2008)
Mr. B. Rai		E.C. Nominee	(upto 03.06.2008)
Mrs. Sunita Gupta		E.C. Nominee	(w.e.f. 04.06.2008)
Ms. Kiran Aggarwal		E.C. Nominee	(upto 03.06.2008)
Mr. Himanshu Dhandra		E.C. Nominee	(w.e.f. 04.06.2008)
Professor Partha Sen		E.C. Nominee	(upto 28.07.2008)
Professor Sumanyu Satpathy		E.C. Nominee	(w.e.f. 29.07.2008)
Professor S.C. Bhatla		E.C. Nominee	(upto 18.02.2009)
Professor T.C.A. Anant		E.C. Nominee	(w.e.f. 19.02.2009)
Professor R.K. Nagpal		E.C. Nominee	(upto 05.09.2008)
Professor Sudhir Shah		E.C. Nominee	(upto 06.09.2008)
Professor Ajay Kumar		E.C. Nominee	

MIRANDA HOUSE

Dr. Manju Lata Sharma	-	Chairperson	
Professor K. Sreenivas		E.C. Nominee	
Professor Sunil Kumar		E.C. Nominee	(upto 20.10.2008)
Professor Sanjay Jain		E.C. Nominee	(w.e.f. 21.10.2008)
Professor Shormistha Panja		E.C. Nominee	(upto 20.10.2008)
Professor Meenakshi Thapan		E.C. Nominee	(w.e.f. 21.10.2008)
Professor J.K. Mitra		E.C. Nominee	(w.e.f. 21.10.2008)
Professor K. Mamkootam		E.C. Nominee	(upto 20.10.2008)
Ms. Shovna Narayanan		E.C. Nominee	(upto 20.10.2008)
Professor Bharti Baveja		E.C. Nominee	(w.e.f. 21.10.2008)
Ms. Sunita Gupta		E.C. Nominee	(upto 20.10.2008)
Ms. Ira Pande		E.C. Nominee	(w.e.f. 21.10.2008)

SCHOOL OF OPEN LEARNING

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Professor Shobit Mahajan		E.C. Nominee	
Professor J.K. Mitra		E.C. Nominee	(upto 27.06.2008)
Professor (Ms.) S.P. Singh		E.C. Nominee	(w.e.f. 28.06.2008)
Professor Poonam Batra		E.C. Nominee	(upto 27.06.2008)
Professor M. Mamkootam		E.C. Nominee	(w.e.f. 28.06.2008)
Mr. Prakash Chander Seth		E.C. Nominee	(upto 27.06.2008)
Professor (Ms.) Gopa Bhardwaj		E.C. Nominee	(w.e.f. 28.06.2008)
Professor Ashok Nagpal		E.C. Nominee	(upto 27.06.2008)
Professor Subbaadra Channa		E.C. Nominee	(w.e.f. 28.06.2008)
Professor Snehlata Tandon		E.C. Nominee	(upto 31.07.2008)
Professor I.P. Singh		E.C. Nominee	(w.e.f. 14.11.2008)
Shri Purshotam Bhatia		E.C. Nominee	(upto 15.11.2008)

UNIVERSITY COLLEGE OF MEDICAL SCIENCES & G.T.B. HOSPITAL

Professor S.K. Tandon	-	Chairman	
Professor S.K. Sareen		E.C. Nominee	
Professor Rup Lal		E.C. Nominee	

V.P. CHEST INSTITUTE

Professor N.K. Ganguli	-	Chairman	
Professor J.N. Pandey		E.C. Nominee	(upto 06.03.2009)
Dr. Satyajit Rath		E.C. Nominee	(w.e.f. 07.03.2009)
Professor Rup Lal		E.C. Nominee	
Professor S.K. Vij		E.C. Nominee	(upto 21.08.2008)
Professor Anil Tyagi		E.C. Nominee	(w.e.f. 22.08.2008)

DELHI GOVT. MAINTAINED COLLEGES

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University Representative

Professor Amar Farooqi	(upto 30.12.2009)
Professor (Ms.) Sreemati Chakrabarti	(upto 25.07.2008)
Professor B.P. Sahu	(w.e.f. 26.07.2008)

BHAGINI NIVEDITA COLLEGE

University Representative

Professor Vibha Chaturvedi	
Professor Tista Bagchi	
Professor Rita Kakkar	(w.e.f. 23.09.2008)

BHARTI COLLEGE

University Representative

Professor R.K. Agnihotri	(upto 04.04.2008)
Professor Farhat Hassan	(w.e.f. 05.04.2008)
Professor Rita Kakkar	(upto 18.11.2008)
Professor Enakshi Sharma	(w.e.f. 19.11.2008)

BHASKARCHARYA COLLEGE OF APPLIED SCIENCES

University Representative

Professor Enakshi Sharma	(upto 26.11.2008)
Professor Rita Kakkar	
Professor R.C. Rastogi	(upto 20.12.2008)
Professor A.K. Singh	(w.e.f. 21.12.2008)

BHIM RAO AMBEDKAR COLLEGE

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Professor B.P. Sahu (upto 27.05.2008)
Professor H. Ramachandra (w.e.f. 28.05.2008)

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Professor B.P. Sahu (w.e.f. 16.05.2008)
Professor S.C. Bhatla (upto 28.09.2008)
Professor Pawan Mathur (w.e.f. 29.09.2008)

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Professor (Ms.) S.P. Singh (w.e.f. 09.08.2008)

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Professor A.K. Bakshi (w.e.f. 28.09.2008)
Professor S.C. Panda (upto 27.09.2008)
Professor R.P. Tandon (w.e.f. 28.09.2008)

LAKSHMI BAI COLLEGE

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Professor Najma Pareveen Ahmed (upto 19.11.2008)
Professor B.P. Singh (w.e.f. 20.11.2008)
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Professor Krishna Maitra (w.e.f. 01.09.2009)
Professor Shaswati Mazumadar

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Professor Farhat Hassan (w.e.f. 05.10.2008)
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Professor R.M. Mehra (upto 12.07.2008)
Professor V.K. Verma (w.e.f. 13.07.2008)

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Professor (Ms.) Rashmi Agarwal (w.e.f. 29.08.2008)

SHIVAJI COLLEGE

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Professor Jawahar Lal Kaul (w.e.f. 20.06.2008)
Professor M. Kidwai

SHYAMA PRASAD MUKHERJI COLLEGE FOR WOMEN

University Representative

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Professor Sudhir Shah (w.e.f. 05.01.2009)
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Professor Bharati Baveja (w.e.f. 27.09.2008)

SWAMI SHARDDHANAND COLLEGE

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Professor S.C. Bhatla (w.e.f. 16.03.2009)
Professor Sanjay Jain

VIVEKANAND COLLEGE

University Representative

Professor S.K. Aggarwal	(upto 07.06.2008)
Professor Bharati Baveja	(w.e.f. 08.06.2008)
Professor Vibha Maurya	(upto 26.09.2008)
Professor Tista Bagchi	(w.e.f. 27.09.2008)

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AMAR JYOTI INSTITUTE OF PHYSIOTHERAPY

University Representative

Professor B.K. Thelma
Professor Amar Farooqi

DAULAT RAM COLLEGE

University Representative

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Professor Ajay Tiwari	(upto 09.09.2008)
Professor (Ms.) Sreemati Chakrabarti	(w.e.f. 10.09.2008)

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University Representative

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Professor V.K. Bhasin	(w.e.f. 20.05.2008)
Professor Pawan Mathur	(upto 24.11.2008)
Professor A.K. Bakshi	(w.e.f. 25.11.2008)

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University Representative

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Professor S.C. Arora	
Professor R.K. Agnihotri	(w.e.f. 10.04.2008)

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Professor Vibhra Chaturvedi	(w.e.f. 22.11.2008)
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LADY IRWIN COLLEGE

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Professor Meenakshi Thapan (w.e.f. 14.09.2008)
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Professor Jawaharlal (w.e.f. 27.09.2008)
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Professor J.P. Sharma

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Professor B.P. Sahoo (upto 02.08.2008)
Professor Shobit Mahajan (w.e.f. 05.01.2008)

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Professor Satish Deshpande (upto 26.03.2009)
Professor S.C. Bhatla (w.e.f. 27.03.2009)

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Professor H.S. Prasad (w.e.f. 17.04.2008)
Professor Aswani Kumar (upto 07.08.2008)
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Professor S.M.S. Chauhan (upto 26.03.2009)

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Professor Ashok Kumar Singh (upto 13.12.2008)
Professor J.S. Virdi (w.e.f. 14.12.2008)
Professor B. K. Thelma

MAULANA AZAD MEDICAL COLLEGE

University Representative

Professor Akhilesh Kumar Tyagi
Professor Madan Mohan

NETAJI SUBHASH INSTITUTE OF TECHNOLOGY

University Representative

Professor J.P.Srivastava
Professor A.K. Verma

RAJKUMARI AMRIT KAUR COLLEGE OF NURSING

University Representative

Professor R.C. Kuhad (upto 10.04.2009)
Professor Daman Saluja (w.e.f. 10.04.2009)
Professor A.K. Bhatnagar (w.e.f. 27.03.2008)

DURGABAI DESHMUKH COLLEGE OF SPECIAL EDUCATION

University Representative

Professor Rama Mathew (upto 27.08.2008)
Professor Ashum Gupta (w.e.f. 28.08.2008)
Professor Poonam Batra (upto 27.08.2008)
Professor Krishna Maita (w.e.f. 28.08.2008)

INSTITUTE OF ECONOMICS GROWTH

University Representative

Professor Meenakshi Thapan
Professor P.B. Nayak

UNIVERSITY MAINTAINED HOSTEL

AMBEDKAR-GANGULY STUDENTS' HOUSE FOR WOMEN

Professor S.C. Panda	-	Chairman	(upto 04.04.2008)
Professor Pulin B. Nayak	-	Chairman	(w.e.f. 05.04.2008)
Professor Rama Mathew		E.C. Nominee	
Professor Upinder Singh		E.C. Nominee	
Professor Hira Gangnegi		SC/ST Representative	

DEPARTMENT OF EDUCATION

Nominated by the Executive Council

Professor Ashok Vohra
Professor M.M. Agarwal

DEPARTMENT OF SOCIAL WORK

Nominated by the Executive Council

Professor Pammi Dua		(w.e.f. 19.04.2007)
Professor B.K. Thelma		

D.S. KOTHARI HOSTEL

Professor Surinder Nath	-	Chairman	
Professor S.C. Arora		E.C. Nominee	
Professor K.L. Baluja		E.C. Nominee	
Professor A.K. Singh		E.C. Nominee	
Professor Sunil Kumar		E.C. Nominee	(w.e.f. 10.04.2008)

GWYER HALL

Professor Mihir Deb	Chairman	
Professor Aruna Bhardwaj	E.C. Nominee	(upto 07.04.2009)
Professor Satish Deshpande	E.C. Nominee	(w.e.f. 26.07.2008)
Professor Alok Rai	E.C. Nominee	
Professor N.K. Chadha	E.C. Nominee	(upto 20.12.2009)
Professor Mahesh Rangarajan	E.C. Nominee	

INTERNATIONAL STUDENTS' HOUSE

Professor S.C. Panda	Chairman	(upto 15.07.2008)
Professor Surinder Nath	E.C. Nominee	(w.e.f. 16.07.2008)
Professor (Ms.) Malashri Lal	E.C. Nominee	(upto 28.10.2008)
Professor Shashwati Mazumdar	E.C. Nominee	(w.e.f. 29.10.2008)
Professor Surinder Nath	E.C. Nominee	(upto 31.10.2008)
Professor M.M. Agarwal	E.C. Nominee	(w.e.f. 22.07.2008)
Professor Pami Dua	E.C. Nominee	

INTERNATIONAL STUDENTS' HOUSE FOR WOMEN

Professor (Ms.) Shormistha Panja	Chairperson	(upto 05.11.2008)
Professor Nandita Basu	E.C. Nominee	(w.e.f. 06.11.2008)
Professor M. Kidwai	E.C. Nominee	
Professor Ashum Gupta	E.C. Nominee	
Professor R.K. Agnihotri	E.C. Nominee	(upto 16.01.2008)
Professor Nandita Basu	E.C. Nominee	(upto 05.11.2008)
Professor Tulsi Patel	E.C. Nominee	(w.e.f. 13.12.2008)
Professor V.K. Bhasin	E.C. Nominee	

JUBILEE HALL

Professor H. Ramachandra	Chairman	
Professor Surinder Nath	E.C. Nominee	(upto 12.03.2009)
Professor Pradeep K. Dutta	E.C. Nominee	(w.e.f. 13.03.2009)
Professor G.L. Bhalla	E.C. Nominee	
Professor Madan Chaturvedi	E.C. Nominee	(upto 10.02.2008)
Professor S.C. Raina	E.C. Nominee	(w.e.f. 11.02.2008)
Professor R.K. Gautam	E.C. Nominee	

MANSAROWAR HOSTEL

Professor K. Mamokottam	Chairman	
Professor Aditya Bhattacharya	E.C. Nominee	(w.e.f. 08.07.2008)
Professor S.C. Panda	E.C. Nominee	
Professor Surender Nath	E.C. Nominee	
Professor A.K. Bhatnagar	E.C. Nominee	
Professor Sreemati Chakrabarti	E.C. Nominee	

MEGHDOOT HOSTEL

Professor Bharati Baveja	Chairperson
Professor Shashwati Mazumdar	E.C. Nominee
Professor Tulsi Patel	E.C. Nominee
Professor Sunita Dhar	E.C. Nominee
Professor M.M. Chaturvedi	E.C. Nominee

NORTH EASTERN STUDENTS' HOUSE FOR WOMEN

Professor Vibha Chaturvedi	Chairperson
Professor Shobit Mahajan	E.C. Nominee
Professor Anita Rampal	E.C. Nominee
Professor Tista Bagchi	E.C. Nominee
Professor Najma Praveen	E.C. Nominee

P.G. MEN'S HOSTEL

Professor B.P. Sahu	Chairman
Professor J.P. Srivastava	E.C. Nominee
Professor Sudhish Pachauri	E.C. Nominee
Professor K. Sreenivas	E.C. Nominee
Professor A.K. Bhatnagar	E.C. Nominee

UNIVERSITY HOSTEL FOR WOMEN

Professor Malashri Lal	Chairperson
Professor (Ms.) Sreemati Chakrabarti	E.C. Nominee
Professor Aruna Bhardwaj	E.C. Nominee
Professor Ajay Tiwari	E.C. Nominee
Professor Vibha Maurya	E.C. Nominee
Professor Bharati Baveja	E.C. Nominee

V.K.R.V. RAO HOSTEL

Professor S.C. Panda	Chairman	(upto 15.07.2008)
Professor B.L. Pandit	Chairman	(w.e.f. 16.07.2008)
Professor B.L. Pandit	E.C. Nominee	(upto 15.07.2008)
Professor K. Mamkootam	E.C. Nominee	
Professor Tulsi Patel	E.C. Nominee	
Professor Sunita S. Sengupta	E.C. Nominee	(upto 04.01.2009)
Professor Sudhir Shah	E.C. Nominee	(w.e.f. 23.09.2008)

W.U.S. WORKING WOMEN'S HOSTEL

Professor Gopa Bhardwaj	Chairperson	(upto 02.10.2008)
Professor Bharti Baveja	Chairperson	(w.e.f. 03.10.2008)
Professor Snehlata Tandon	E.C. Nominee	(upto 28.10.2008)
Professor Tista Bagchi	E.C. Nominee	(w.e.f. 29.10.2008)
Professor Rajni Palriwala	E.C. Nominee	(upto 14.03.2009)
Professor Sreemati Chakrabarti	E.C. Nominee	(w.e.f. 15.03.2009)

UNIVERSITY REPRESENTATIVES ON THE GOVERNING BODIES OF THE COLLEGES

SOUTH CAMPUS

ATMA RAM SANATAN DHARMA COLLEGE

Professor E.K. Sharma		(upto 22.12.2008)
Professor R.P. Tandon		(w.e.f. 23.12.2008)
Professor M. Kidwai		(upto 03.06.2008)
Professor Anil Tyagi		(w.e.f. 16.06.2008)

DELHI COLLEGE OF ARTS & COMMERCE

Professor Aditya Bhattacharjea		(upto 22.12.2008)
Professor Sudhir Shah		(w.e.f. 23.12.2008)
Professor V.K. Kaul		(w.e.f. 01.04.2008)

GARGI COLLEGE

Professor Anil Grover		(upto 20.02.2009)
Professor Sheela Srivastava		(w.e.f. 27.09.2009)
Professor V.K. Kaul		(w.e.f. 01.04.2008)

INSTITUTE OF HOME ECONOMICS

Professor Akhilesh Tyagi	(upto 20.02.2009)
Professor M. Kidwai	(w.e.f. 27.02.2009)
Professor Bharati Baveja	(upto 03.06.2008)
Professor Rani Gupta	(w.e.f. 16.06.2008)

JESUS & MARY COLLEGE

Professor Rajini Palriwala	(upto 22.12.2008)
Professor Tulsi Patel	(w.e.f. 23.12.2008)
Professor J.P. Khurana	(upto 22.12.2008)
Professor Rohini Somanathan	(w.e.f. 23.12.2008)

KAMALA NEHRU COLLEGE

Professor Upinder Singh	(upto 22.12.2008)
Professor Venkat Subramanian	(w.e.f. 23.12.2008)
Professor Tulsi Patel	(upto 22.12.2008)
Professor Ajay Kumar	(w.e.f. 23.12.2008)

LADY SHRI RAM COLLEGE FOR WOMEN

Professor Bidyut Chakrabarty	(upto 27.04.2008)
Professor N.K. Chadha	(upto 28.04.2008)
Professor Achin Vanaik	(upto 01.04.2008)

MAITREYI COLLEGE

Professor Debajyoti Choudhuri	(upto 27.09.2008)
Professor Enakshi Sharma	(w.e.f. 28.09.2008)
Professor Akhilesh Tyagi	(upto 01.04.2008)

MOTILAL NEHRU COLLEGE

Professor Madan Mohan	
Professor Hari Mohan Sharma	(upto 13.09.2008)
Professor Shashi Prabha Singh	(w.e.f. 14.09.2008)

P.G.D.A.V. COLLEGE

Professor Hari Mohan Sharma (upto 26.11.2008)
Professor Akhilesh Tyagi (w.e.f. 27.11.2008)
Professor Ashok Vohra (w.e.f. 01.04.2008)

SHAHEED BHAGAT SINGH COLLEGE

Professor Madan Mohan
Professor N.K. Chadha

SRI AUROBINDO COLLEGE

Professor Enakshi Sharma
Professor Vijay Chaudhary (upto 02.09.2008)
Professor M.C. Aggarwal (w.e.f. 03.09.2009)

SRI VENKATESWARA COLLEGE

Professor K. Murlidhar
Professor Akshay Pradhan

ACHARYA NARENDRA DEV COLLEGE

Professor A.K. Verma (upto 12.12.2008)
Professor Avinashi Kapoor (w.e.f. 13.12.2008)
Professor Sheila Srivastava (upto 17.10.2008)
Professor Anil Tyagi (w.e.f. 18.10.2008)

**Statement showing the Number of Under-graduate and Post-graduate Students on
Rolls in various Colleges and Departments during the Academic Session 2008-09**

COLLEGES

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
A & U Tibbia College	125	262	387	5	6	11	398
A.R.S.D. College	1189	836	2025	42	38	80	2105
Acharya Narendra Dev College	644	510	1154	11	11	22	1176
Bharati College (W)	0	1484	1484	0	10	10	1494
Bhim Rao Ambedkar College	663	931	1594	0	0	0	1594
Shaheed Rajguru College of Applied Scs. (W)	0	358	358	0	0	0	358
College of Art	220	266	486	37	27	64	550
Shaheed Sukhdev College of Business Studies	295	244	539	9	10	19	558
Delhi Institute of Pharmaceutical Sc. & Research	214	286	500	42	40	82	582
College of Vocational Studies	853	659	1512	66	35	101	1613
Daulat Ram College (W)	152	2254	2406	0	200	200	2606
Deen Dayal Upadhyaya College	653	672	1325	12	22	34	1359
Delhi College of Arts & Commerce	801	388	1189	0	0	0	1189
Delhi College of Engineering	2667	332	2999	293	46	339	3338
Netaji Subhas Institute of Technology	1537	329	1866	71	30	101	1967
Deshbandhu College	1424	728	2152	18	10	28	2180
Dyal Singh College	1556	1215	2771	1	2	3	2774
Gargi College (W)	12	2153	2165	0	23	23	2188
Hans Raj College	1630	1387	3017	246	317	563	3580
Hindu College	899	860	1759	200	329	529	2288
Indira Gandhi Institute of Physical Edn. & Sports Scs.	159	42	201	65	47	112	313
Indraprastha College for Women	0	2030	2030	0	209	209	2239
Institute of Home Economics (W)	0	723	723	0	63	63	786

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Janki Devi Memorial College (W)	0	1728	1728	0	79	79	1807
Jesus & Mary College (W)	0	2318	2318	0	43	43	2361
Kalindi College (W)	0	1681	1681	0	13	13	1694
Kamala Nehru College (W)	0	1594	1594	0	46	46	1640
Kirori Mal College	1313	766	2079	241	173	414	2493
Lady Hardinge Medical College (W)	0	690	690	85	103	188	878
Lady Irwin College (W)	0	682	682	0	257	257	939
Lady Shri Ram College (W)	0	1999	1999	0	114	114	2113
Lakshmibai College (W)	0	2247	2247	0	25	25	2272
Maitreyi College (W)	0	1580	1580	0	25	25	1605
Mata Sundri College (W)	0	2677	2677	0	28	28	2705
Maulana Azad Medical College	673	306	979	166	167	333	1312
Miranda House (W)	6	2194	2200	0	322	322	2522
Moti Lal Nehru College	1153	872	2025	25	15	40	2065
PGDAV College	1121	740	1861	12	15	27	1888
RAK College of Nursing (W)	0	186	186	2	37	39	225
Rajdhani College	1108	637	1745	29	20	49	1794
Ram Lal Aanand College	761	446	1207	6	11	17	1224
Ramjas College	1565	884	2449	232	240	472	2921
SGTB Khalsa College	1318	991	2309	48	57	105	2414
Satyawati College	1284	607	1891	24	5	29	1920
Shaheed Bhagat Singh College	1202	497	1699	6	9	15	1714
Sherbutse College (Bhutan)	158	78	236	0	0	0	236
Shivaji College	1481	479	1960	30	5	35	1995
Shyam Lal College	870	747	1617	7	14	21	1638
Shyama Prasad Mukherji College (W)	0	2172	2172	0	28	28	2200
Sri Aurobindo College	1202	464	1666	4	4	8	1674

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Sri Guru Gobind Singh College of Commerce	879	783	1662	18	44	62	1724
Shri Ram College of Commerce	633	853	1486	71	75	146	1632
Sri Venkateswara College	870	1133	2003	57	97	154	2157
St. Stephen's College	649	819	1468	58	115	173	1641
Swami Shraddhanand College	1616	594	2210	11	2	13	2223
U.C.M.S. & G.T.B. Hospital	452	74	526	75	71	146	672
V.P. Chest Institute	0	0	0	32	17	49	49
Vivekananda College (W)	0	1224	1224	0	22	22	1246
Zakir Husain College	1517	877	2394	185	52	237	2631
Nehru Homoeopathic Medical College & Hospital	73	346	419	1	3	4	423
Bhagini Nivedita College (W)	0	750	750	0	0	0	750
Keshav Mahavidhyalaya	385	519	904	13	12	25	929
Aditi Mahavidhyalaya (W)	0	1382	1382	0	0	0	1382
Maharaja Agrasen College	525	612	1137	0	0	0	1137
Maharishi Valmiki College of Education	0	0	0	27	112	139	139
Bhaskaracharya College of Applied Sciences	164	265	429	0	0	0	429
Sri Guru Nanak Dev Khalsa College	1045	599	1644	11	18	29	1673
Total (Day) :	39716	60041	99757	2594	3970	6564	106321
Others (Inst.)							
Ahilya Bai College of Nursing	0	100	100	0	0	0	100
Amar Jyoti Instt. of Physiotherapy	30	97	127	0	0	0	127
Pt. Deen Dayal Instt. for the Phy. Handicapped	153	288	441	0	0	0	441
School of Rehabilitation Sciences	0	0	0	2	30	32	32
Durga Bai Deshmukh College	0	0	0	11	14	25	25
Total (Other Inst) :	183	485	668	13	44	57	725

	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
<i>Evening Colleges</i>							
Deshbandhu College	943	375	1318	0	0	0	1318
Dyal Singh College	968	405	1373	0	0	0	1373
Moti Lal Nehru College	950	233	1183	0	0	0	1183
PGDAV College	749	340	1089	0	0	0	1089
Ram Lal Anand College	892	213	1105	0	0	0	1105
Satyawati College	1045	258	1303	0	0	0	1303
Shaheed Bhagat Singh College	867	478	1345	0	0	0	1345
Shyam Lal College	784	253	1037	0	0	0	1037
Sri Aurobindo College	763	213	976	0	0	0	976
Zakir Husain Post-graduate College	1050	99	1149	2	6	8	1157
Total (Eve) :	9011	2867	11878	2	6	8	11886
Grand Total :	48910	63393	112303	2609	4020	6629	118932

FACULTIES/DEPARTMENTS/RECOGNISED INSTITUTIONS

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Departments							
Arabic	235	61	296	19	1	20	316
Buddhist Studies	0	0	0	208	75	283	283
English	0	0	0	6	32	38	38
Hindi	12	21	33	155	209	364	397
Hindi (SDC)	0	0	0	33	15	48	48
Library & Information Science	0	0	0	46	74	120	120
Linguistics	0	0	0	55	62	117	117
Germanic & Romance Studies	201	252	453	59	116	175	628
MIL & Literary Studies	61	12	73	45	40	85	158
Persian	180	49	229	20	13	33	262
Philosophy	0	0	0	18	26	44	44
Philosophy (SDC)	0	0	0	6	0	6	6
Psychology	0	0	0	32	129	161	161
Psychology (SDC)	0	0	0	1	41	42	42
Punjabi	88	24	112	23	40	63	175
Sanskrit	27	17	44	127	99	226	270
Urdu	380	128	508	96	48	144	652
Business Economics (SDC)	0	0	0	78	92	170	170
Slavonic & Finno-Ugrian Studies	136	56	192	41	18	59	251
Adult Continuing Education & Extn.	0	0	0	15	12	27	27
African Studies	11	0	11	11	18	29	40
East Asian Studies	183	57	240	89	65	154	394
Economics	0	0	0	101	121	222	222
Geography	0	0	0	71	72	143	143

Name	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Departments							
History	0	0	0	31	37	68	68
History (SDC)	0	0	0	25	21	46	46
Political Science	0	0	0	51	50	101	101
Social Work	0	0	0	45	63	108	108
Sociology	0	0	0	40	115	155	155
Computer Science	0	0	0	107	97	204	204
Mathematics	0	0	0	42	54	96	96
Operational Research	0	0	0	27	29	56	56
Statistics	0	0	0	16	19	35	35
Operational Research (SDC)	0	0	0	21	26	47	47
Anthropology	0	0	0	46	74	120	120
Botany	0	0	0	35	49	84	84
Chemistry	0	0	0	97	107	204	204
Geology	0	0	0	43	24	67	67
Home Science	0	0	0	0	125	125	125
Pharmacy	0	0	0	14	7	21	21
Physics	0	0	0	109	75	184	184
Zoology	0	0	0	33	51	84	84
Agro-Chemicals & Pest Management	0	0	0	9	8	17	17
Dr. B.R. Ambedkar Centre for Bio-Medical Research	0	0	0	41	64	105	105
School of Environmental Studies	0	0	0	35	46	81	81
Environmental Biology	0	0	0	5	10	15	15
Bio-Chemistry (SDC)	0	0	0	15	25	40	40
Bio-Tech. (SDC)	0	0	0	0	1	1	1
Electronic Science (SDC)	0	0	0	63	43	106	106

	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
Departments/Faculty							
Genetics (SDC)	0	0	0	21	32	53	53
Microbiology (SDC)	0	0	0	16	35	51	51
Plant Molecular Biology (SDC)	0	0	0	21	35	56	56
Instt. of Informatic & Communication	0	0	0	28	39	67	67
Faculty of Law	0	0	0	178	55	233	233
Campus Law Centre	0	0	0	894	432	1326	1326
Law Centre - I	0	0	0	1054	387	1441	1441
Law Centre - II	0	0	0	662	184	846	846
Faculty of Medical Sciences	0	0	0	304	125	429	429
Faculty of Music & Fine Arts	0	0	0	56	105	161	161
Faculty of Management Studies	0	0	0	596	156	752	752
Faculty of Technology	0	0	0	82	49	131	131
Faculty of Education	0	0	0	133	247	380	380
Commerce	0	0	0	147	149	296	296
Financial Studies	0	0	0	48	46	94	94
Commerce (SDC)	0	0	0	14	39	53	53
Total :	1514	677	2191	6559	4753	11312	13503
Grand Total :	50424	64070	114494	9168	8773	17941	132435

	Under-graduate			Post-graduate			Grand Total
	Male	Female	Total	Male	Female	Total	
<i>Non-Formal Cell</i>							
External Candidates' Cell	10615	10251	20866	15	38	53	20919
Non-Collegiate Womens' Education Board	0	13495	13495	0	462	462	13957
School of Open Learning	118412	106058	224470	501	1322	1823	226293
Total (Non-Formal) :	129027	129804	258831	516	1822	2338	261169
Grand Total :	179451	193874	373325	9684	10595	20279	393604

Statement showing the Number of Under-Graduate and Post-Graduate Faculty-wise Distribution of Students during the Academic Session 2008-09

UNDER-GRADUATE

Faculty	Regular						Non-Formal					Total
	Day		Eve. and Part-Time		Certificate/Diploma		NCWEB	S.O.L.		ECC		
	Male	Female	Male	Female	Male	Female	Female	Male	Female	Male	Female	
Arts	9307	20877	4259	1428	1851	1784	8416	59928	69286	8036	8947	194119
Ayur. & Unani-Medicine	125	262	0	0	0	0	0	0	0	0	0	387
Homoeopathic Medicine	73	346	0	0	0	0	0	0	0	0	0	419
Inter-Disciplinary	763	1136	0	0	0	0	0	0	0	0	0	1899
Mathematical Sciences	2043	3291	34	19	0	0	0	0	0	0	0	5387
Medical Sciences	1125	1070	0	0	0	0	0	0	0	0	0	2195
Music & Fine Arts	246	332	0	0	3	6	0	0	0	0	0	587
Science	5896	8398	0	0	118	106	0	0	0	0	0	14518
Social Sciences	4857	9127	981	270	222	86	0	2280	2670	0	0	20493
App.Soc.Sc.& Humanities	712	770	73	44	175	166	0	0	0	0	0	1940
Commerce & Business	9693	11902	3664	1106	0	0	5079	56204	34102	2579	1304	125633
Technology	3733	653	471	8	0	0	0	0	0	0	0	4865
Education	0	883	0	0	0	0	0	0	0	0	0	883
Total :	38573	59047	9482	2875	2369	2148	13495	118412	106058	10615	10251	373325

POST-GRADUATE

Faculty	Regular						Non-Formal						Total
	Day		Eve. and Part-Time		Certificate/Diploma		NCWEB	S.O.L.		ECC			
	M	F	M	F	M	F		M	F	M	F		
Arts	1231	1890	26	25	167	131	232	117	523	15	38	4395	
Ayur. & Unani-Medicine	5	6	0	0	0	0	0	0	0	0	0	11	
Inter-Disciplinary	229	257	0	0	20	26	0	0	0	0	0	532	
Mathematical Sciences	386	692	0	0	40	51	156	0	0	0	0	1325	
Medical Sciences	567	375	0	0	95	108	0	0	0	0	0	1145	
Homoeopathic Medicine	1	3	0	0	0	0	0	0	0	0	0	4	
Music & Fine Arts	113	152	0	0	10	26	0	0	0	0	0	301	
Science	935	1502	0	0	15	70	0	0	0	0	0	2522	
Social Science	757	1017	0	0	80	70	74	170	431	0	0	2599	
App.Soc.Sc.& Humanities	91	102	0	0	80	57	0	0	0	0	0	330	
Commerce & Business	319	406	0	0	0	0	0	214	368	0	0	1307	
Technology	349	90	97	35	0	0	0	0	0	0	0	571	
Education	145	441	26	27	0	0	0	0	0	0	0	639	
Law	990	472	1798	586	0	0	0	0	0	0	0	3846	
Management	253	111	343	45	0	0	0	0	0	0	0	752	
Total :	6371	7516	2290	718	507	539	462	501	1322	15	38	20279	

**Statement showing the Faculty-wise distribution of Ph.D. Enrolment during the
Academic Session 2008-09**

		Male	Female	Total
Faculty of Arts				
<i>Departments</i>				
S-11	Arabic	15	1	16
	Buddhist Studies	102	28	130
	English	3	11	14
	Hindi	130	164	294
	Library & Information Science	20	5	25
	Linguistics	14	22	36
	Germanic & Romance Studies	1	4	5
	MIL & Literary Studies	19	31	50
	Persian	15	10	25
	Philosophy	16	22	38
	Psychology	32	129	161
	Punjabi	22	33	55
	Sanskrit	113	87	200
	Urdu	56	20	76
Sub Total :		558	567	1125

Faculty	Male	Female	Total
Faculty of Applied Social Sciences & Humanities			
<i>Departments</i>			
Business Economics	13	18	31
Slavonic & Finno-Ugrian Studies	4	2	6
Sub Total :	17	20	37
Faculty of Social Sciences			
<i>Departments</i>			
Adult Contd. Ed. & Ex	3	6	9
African Studies	5	18	23
East Asian Studies	5	1	6
Economics	2	6	8
Geography	16	15	31
History	26	24	50
Political Science	40	36	76
Social Work	3	12	15
Sociology	15	11	26
Sub Total :	115	129	244
Faculty of Commerce & Business			
<i>Departments</i>			
Commerce	17	40	57
Financial Studies	9	15	24
Sub Total :	26	55	81

Faculty	Male	Female	Total
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Faculty of Mathematical Sciences

Departments

Computer Science	9	25	34
Mathematics	33	45	78
Statistics	12	13	25
Operational Research (SDC)	22	18	40

Sub Total : **76** **101** **177**

Faculty of Science

Departments

Anthropology	25	50	75
Botany	30	42	72
Chemistry	76	88	164
Geology	37	22	59
Home Science	0	125	125
Pharmacy	14	7	21
Physics	98	59	157
Zoology	30	41	71
Dr. B.R. Ambedkar Centre for Bio-Medical	23	29	52
School of Environmental Studies	8	17	25
Environmental Biology	3	2	5

Sub Total : **344** **482** **826**

Faculty	Male	Female	Total
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Faculty of Inter-disciplinary & Applied Sciences

Departments

Bio-Chemistry (SDC)	13	9	22
Electronic Science	17	24	41
Genetics (SDC)	14	18	32
Microbiology (SDC)	15	19	34
Plant Molecular Biology	14	18	32

Sub Total : **73** **88** **161**

Faculty of Law

Department

Law	35	18	53
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Sub Total : **35** **18** **53**

Faculty of Medical Sciences

Department

Medicine	43	42	85
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Sub Total : **43** **42** **85**

Faculty	Male	Female	Total
Faculty of Music & Fine Arts			
<i>Department</i>			
Music	41	68	109
Sub Total :	41	68	109
Faculty of Management Studies			
<i>Department</i>			
Business Management and Industrial Administration	42	24	66
Sub Total :	42	24	66
Faculty of Technology			
Faculty of Technology	82	49	131
Sub Total :	82	49	131
Faculty of Education			
<i>Department</i>			
Education	26	36	62
Sub Total :	26	36	62
Grand Total :	1478	1679	3157

**Statement showing the Faculty-wise distribution of M.Phil. Enrolment during the
Academic Session 2008-09**

		Male	Female	Total
Faculty of Arts				
Departments				
S-16	Arabic	4	0	4
	Buddhist Studies	8	4	12
	English	3	21	24
	Hindi	18	9	27
	Library & Information Science	0	9	9
	Linguistics	6	7	13
	Germanic & Romance Studies	4	6	10
	MIL & Literary Studies	3	2	5
	Persian	1	2	3
	Philosophy	2	4	6
	Punjabi	1	7	8
	Sanskrit	14	12	26
	Urdu	10	6	16
Sub Total :		74	89	163
Faculty of Applied Social Science & Humanities				
Departments				
	Business Economics (SDC)	8	27	35
	Slavonic & Finno-Ugrian Studies	2	2	4
Sub Total :		10	29	39

Faculty	Male	Female	Total
Faculty of Social Sciences			
<i>Departments</i>			
African Studies	6	0	6
East Asian Studies	14	8	22
Economics	1	2	3
Geography	8	9	17
History	5	13	18
Political Science	11	14	25
Social Work	1	3	4
Sociology	8	10	18
Sub Total :	54	59	113
Faculty of Commerce & Business			
<i>Department</i>			
Commerce	3	17	20
Sub Total :	3	17	20
Faculty of Mathematical Sciences			
<i>Departments</i>			
Mathematics	9	9	18
Operational Research	5	11	16
Statistics	4	6	10
Sub Total :	18	26	44

Faculty	Male	Female	Total
Faculty of Science			
<i>Departments</i>			
Anthropology	8	17	25
Botany	5	7	12
Chemistry	10	15	25
Geology	6	2	8
Zoology	3	10	13
Sub Total :	32	51	83
Faculty of Inter-disciplinary & Appiled Sciences			
<i>Departments</i>			
F.Inter Dis. (Bio-Tech.)	0	1	1
Genetics (SDC)	0	1	1
Plant Molecular Biology (SDC)	1	2	3
Sub Total :	1	4	5
Faculty of Music & Fine Arts			
<i>Department</i>			
Music	6	12	18
Sub Total :	6	12	18
Faculty of Education			
<i>Department</i>			
Education	2	6	8
Sub Total :	2	6	8
Grand Total :	200	293	493

**Statement showing the Course-wise distribution of Under-graduate Students (Regular) on Rolls
during the Academic Session 2008-09**

Under-graduate (Regular)

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.A. Prog. (Day)	2351	4176	6527	1841	3867	5708	1660	3481	5141	0	0	0	0	0	0	5852	11524	17376
B.A. Prog. (Eve.)	1411	399	1810	1168	356	1524	997	320	1317	0	0	0	0	0	0	3576	1075	4651
B.A. (Voc. Studies)	197	162	359	154	155	309	136	136	272	0	0	0	0	0	0	487	453	940
B.A. (Hons.) (Day)	3740	7027	10767	2549	6450	8999	2446	6254	8700	0	0	0	0	0	0	8735	19731	28466
B.A. (Hons.) (Eve.)	815	271	1086	490	206	696	466	209	675	0	0	0	0	0	0	1771	686	2457
B.Com. (Hons.) (Day)	1917	2473	4390	1428	2168	3596	1647	1976	3623	0	0	0	0	0	0	4992	6617	11609
B.Com. (Hons.) (Eve.)	283	106	389	321	117	438	305	96	401	0	0	0	0	0	0	909	319	1228
B.Com. (Day)	1772	1953	3725	1558	1772	3330	1371	1560	2931	0	0	0	0	0	0	4701	5285	9986
B.Com. (Eve.)	1038	289	1327	897	278	1175	820	220	1040	0	0	0	0	0	0	2755	787	3542
B.B.S.	107	90	197	102	60	162	56	43	99	0	0	0	0	0	0	265	193	458
B.F.I.A.	26	20	46	25	18	43	22	12	34	0	0	0	0	0	0	73	50	123
B.M.M.M.C.	0	44	44	0	31	31	0	35	35	0	0	0	0	0	0	0	110	110
B.Sc. Physical Scs.	629	380	1009	391	296	687	260	256	516	0	0	0	0	0	0	1280	932	2212
B.Sc. Life Sciences	301	498	799	213	400	613	174	305	479	0	0	0	0	0	0	688	1203	1891
B.Sc. Appl. Phy. Scs.	435	299	734	291	223	514	199	198	397	0	0	0	0	0	0	925	720	1645
B.Sc. Appl. Life. Scs.	24	70	94	29	59	88	18	48	66	0	0	0	0	0	0	71	177	248
B.Sc. (G) Math. Scs.	59	39	98	45	41	86	27	38	65	0	0	0	0	0	0	131	118	249
B.Sc. (Home Science)	0	354	354	0	252	252	0	262	262	0	0	0	0	0	0	0	868	868
B.Sc. (Phy. Edn. & H.N.)	67	14	81	45	16	61	47	12	59	0	0	0	0	0	0	159	42	201

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.El.Ed.	0	295	295	0	221	221	0	192	192	0	175	175	0	0	0	0	883	883
B.Sc. (Hons.) (Day)	2213	2652	4865	1277	2011	3288	1107	1953	3060	0	69	69	0	0	0	4597	6685	11282
B.P.O.	11	9	20	5	11	16	8	11	19	6	13	19	8	8	16	38	52	90
B.O.T.	11	31	42	4	31	35	13	22	35	9	21	30	11	15	26	48	120	168
B.P.T.	13	58	71	16	47	63	18	38	56	19	35	54	31	35	66	97	213	310
B.Applied Sc. (H)	27	107	134	15	85	100	23	108	131	0	0	0	0	0	0	65	300	365
B.Pharma.	16	47	63	28	44	72	25	41	66	27	48	75	0	0	0	96	180	276
B.Sc. (MTR)	3	7	10	4	6	10	0	0	0	0	0	0	0	0	0	7	13	20
B.F.A.	58	72	130	66	73	139	46	58	104	47	57	104	0	0	0	217	260	477
B.A.M.S.	6	29	35	15	27	42	13	26	39	12	27	39	9	25	34	55	134	189
B.U.M.S.	9	32	41	13	27	40	15	24	39	16	23	39	17	22	39	70	128	198
B.H.M.S.	15	84	99	16	77	93	15	76	91	18	72	90	9	37	46	73	346	419
M.B.B.S.	208	224	432	235	178	413	226	189	415	190	219	409	193	169	362	1052	979	2031
B.D.S.	14	18	32	21	16	37	10	28	38	15	7	22	6	9	15	66	78	144
B.E.	961	199	1160	967	201	1168	1004	168	1172	801	85	886	0	0	0	3733	653	4386
B.E. (Tech) PT	118	2	120	119	1	120	118	1	119	116	4	120	0	0	0	471	8	479
Other Cert./Diploma	2308	2085	4393	61	63	124	0	0	0	0	0	0	0	0	0	2369	2148	4517
Total :	21163	24615	45778	14409	19884	34293	13292	18396	31688	1276	855	2131	284	320	604	50424	64070	114494

**Statement showing the Course-wise distribution of Under-graduate Students on Rolls in S.O.L.,
N.C.W.E.B. and E.C.C. (Non-formal) during the Academic Session 2008-09**

Under-Graduate Students (Non-formal)

School of Open Learning	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
	Course											
B.A. (Pass)	0	0	0	0	0	0	13445	19196	32641	13445	19196	32641
B.A. Programme	29597	28278	57875	16119	19613	35732	0	0	0	45716	47891	93607
B.Com. (Hons.)	3620	1925	5545	1087	807	1894	558	419	977	5265	3151	8416
B.Com.	22625	11751	34376	14054	9800	23854	14260	9400	23660	50939	30951	81890
B.A. (Hons.) English	367	797	1164	236	803	1039	164	599	763	767	2199	2966
B.A. (Hons.) Political Sc.	1101	1071	2172	740	946	1686	439	653	1092	2280	2670	4950
Sub-Total :	57310	43822	101132	32236	31969	64205	28866	30267	59133	118412	106058	224470

Non-Collegiate Women's Education Board

Course												
B.A. Programme	0	2871	2871	0	2927	2927	0	2618	2618	0	8416	8416
B.Com.	0	1822	1822	0	1682	1682	0	1575	1575	0	5079	5079
Sub-Total :	0	4693	4693	0	4609	4609	0	4193	4193	0	13495	13495

External Candidates Cell	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Course												
B.A. Programme	0	0	0	5122	5401	10523	2914	3546	6460	8036	8947	16983
B.Com.	0	0	0	1600	700	2300	979	604	1583	2579	1304	3883
Sub-Total :	0	0	0	6722	6101	12823	3893	4150	8043	10615	10251	20866
Grand-Total :	57310	48515	105825	38958	42679	81637	32759	38610	71369	129027	129804	258831

**Statement showing the Course-wise distribution of Post-graduate (Regular) Students on Rolls
during the Academic Session 2008-09**

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.)	12	38	50	0	0	0	0	0	0	12	38	50
Master of Lib. and Information Sc. (M.Lib. & I. Sc.)	14	22	36	0	0	0	0	0	0	14	22	36
Master of Arts (M.A. Day)	770	1220	1990	476	1044	1520	0	0	0	1246	2264	3510
Master of Arts (M.A. Eve.)	15	14	29	11	11	22	0	0	0	26	25	51
M.Com.	112	140	252	42	105	147	0	0	0	154	245	399
Master of Business Economics (M.B.E.)	30	23	53	27	24	51	0	0	0	57	47	104
Master of Financial & Control (M.F.C.)	25	15	40	14	16	30	0	0	0	39	31	70
Master of Human Resource & Org. Dev. (MHROD)	20	21	41	15	19	34	0	0	0	35	40	75
Master of International Business (MIB)	33	9	42	29	9	38	0	0	0	62	18	80
Master of Computer Applications (MCA)	30	8	38	21	9	30	22	11	33	73	28	101
M.Sc.	385	634	1019	279	566	845	0	0	0	664	1200	1864
M.Sc. (App. Sc.)	43	56	99	28	61	89	0	0	0	71	117	188
M. Pharma	23	21	44	19	19	38	0	0	0	42	40	82
M. Nursing	1	22	23	1	15	16	0	0	0	2	37	39
Master of Fine Arts (M.F.A.)	17	13	30	19	13	32	0	0	0	36	26	62
M.Tech. (Science)	22	20	42	0	0	0	0	0	0	22	20	42
M.Tech. (Mic. Elec.)	17	1	18	2	0	2	0	0	0	19	1	20
B.Ed.	82	353	435	0	0	0	0	0	0	82	353	435
B.Ed. (Special Education)	11	38	49	0	0	0	0	0	0	11	38	49
M. Ed. (Full-time)	24	8	32	0	0	0	0	0	0	24	8	32
M.Ed. (Part-time)	21	9	30	5	18	23	0	0	0	26	27	53
B.P. Ed.	30	28	58	0	0	0	0	0	0	30	28	58
M.P. Ed.	19	12	31	16	7	23	0	0	0	35	19	54
LL.B.	1392	364	1756	663	323	986	555	316	871	2610	1003	3613
Master of Laws (LL.M. Two year)	32	12	44	19	6	25	0	0	0	51	18	69
Master of Laws (LL.M. Three year)	32	5	37	30	1	31	20	9	29	82	15	97

Post Graduate (Regular)	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)	6	1	7	4	3	7	0	0	0	10	4	14
M.B.A. (Full-time Two year)	82	33	115	59	33	92	0	0	0	141	66	207
M.B.A. Mgt. of Service (Full-time)	39	10	49	31	11	42	0	0	0	70	21	91
M.B.A. (Part-time Three year)	123	17	140	97	6	103	83	6	89	303	29	332
M.B.A. (H.C.A. Three year)	18	7	25	10	7	17	12	2	14	40	16	56
M.Tech. (Engg) FT	34	11	45	21	6	27	0	0	0	55	17	72
M.Tech. (Engg) PT	7	2	9	7	3	10	2	8	10	16	13	29
M.E. FT	103	8	111	109	16	125	0	0	0	212	24	236
M.E. PT	29	7	36	28	5	33	21	8	29	78	20	98
M.Sc. (App. Physics) PT	1	0	1	1	0	1	1	2	3	3	2	5
MDS (M. in Dental Surg)	4	4	8	5	3	8	0	0	0	9	7	16
MD (Ayurvedic Unani)	0	0	0	2	3	5	3	3	6	5	6	11
MD (Homoeopathic Med.)	1	3	4	0	0	0	0	0	0	1	3	4
Ph.D. Combined	1478	1679	3157	0	0	0	0	0	0	1478	1679	3157
M.Phil.	200	293	493	0	0	0	0	0	0	200	293	493
DM/MCH	25	0	25	25	0	25	24	2	26	74	2	76
Medical Degree	129	113	242	153	97	250	159	114	273	441	324	765
Medical Diploma	45	42	87	50	66	116	0	0	0	95	108	203
Other Cert./Dip.	338	343	681	74	88	162	0	0	0	412	431	843
Total :	5874	5679	11553	2392	2613	5005	902	481	1383	9168	8773	17941

Statement showing the Course-wise distribution of Post-graduate (Non-formal) Students on Rolls in S.O.L, N.C.W.E.B. and E.C.C. during the Academic Session 2008-09

School of Open Learning	Previous Year			Final Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Course									
M.A. (Hindi)	30	147	177	51	268	319	81	415	496
M.A. (Sanskrit)	21	55	76	15	53	68	36	108	144
M.A. (Political Science)	71	158	229	58	183	241	129	341	470
M.A. (History)	26	54	80	15	36	51	41	90	131
Total :	148	414	562	139	540	679	287	954	1241
M.Com.	170	229	399	44	139	183	214	368	582
Sub-Total :	318	643	961	183	679	862	501	1322	1823
Non-Collegiate Women's Education Board									
M.A. (English)	0	34	34	0	50	50	0	84	84
M.A. (Hindi)	0	33	33	0	37	37	0	70	70
M.A. (Punjabi)	0	30	30	0	41	41	0	71	71
M.A. (Sanskrit)	0	1	1	0	6	6	0	7	7
M.A. (Political Science)	0	10	10	0	47	47	0	57	57
M.A. (History)	0	4	4	0	13	13	0	17	17
M.A. (Mathematics)	0	54	54	0	57	57	0	111	111
Total :	0	166	166	0	251	251	0	417	417

Course	Previous Year			Final Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
M.Sc. (Mathematics)	0	19	19	0	26	26	0	45	45
Sub-Total :	0	185	185	0	277	277	0	462	462
<i>External Candidates Cell</i>									
M.A. (Hindi)	0	0	0	10	31	41	10	31	41
M.A. (Sanskrit)	0	0	0	5	7	12	5	7	12
Total :	0	0	0	15	38	53	15	38	53
Grand-Total :	318	828	1146	198	994	1192	516	1822	2338

Statement showing the Number of Students on Rolls in Under-graduate Certificate/Diploma Courses in the University Colleges/Departments during the Academic Session 2008-09

Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Department									
<i>Diploma</i>									
Arabic	50	15	65	0	0	0	50	15	65
Bengali	1	1	2	0	0	0	1	1	2
Gujrati	1	0	1	0	0	0	1	0	1
Hindi	3	8	11	0	0	0	3	8	11
Punjabi	4	4	8	0	0	0	4	4	8
Persian	13	4	17	0	0	0	13	4	17
Sindhi	1	0	1	0	0	0	1	0	1
Sanskrit	8	5	13	0	0	0	8	5	13
Urdu	42	31	73	0	0	0	42	31	73
Portuguese	6	3	9	0	0	0	6	3	9
Romanian	3	0	3	0	0	0	3	0	3
Chinese	21	3	24	0	0	0	21	3	24
Japanese	18	5	23	0	0	0	18	5	23
Korean	19	6	25	0	0	0	19	6	25
Swahili	4	0	4	0	0	0	4	0	4
Bulgarian	2	0	2	0	0	0	2	0	2
Czech	0	1	1	0	0	0	0	1	1
Hungarian	3	2	5	0	0	0	3	2	5
Polish	1	1	2	0	0	0	1	1	2
Russian	16	8	24	0	0	0	16	8	24
Sub-Total :	216	97	313	0	0	0	216	97	313

Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>Advance Diploma</i>									
Arabic	27	4	31	0	0	0	27	4	31
French	18	25	43	0	0	0	18	25	43
Hindi	1	3	4	0	0	0	1	3	4
Italian	11	5	16	0	0	0	11	5	16
Persian	3	2	5	0	0	0	3	2	5
Urdu	27	19	46	0	0	0	27	19	46
Portuguese	6	6	12	0	0	0	6	6	12
Chinese	16	9	25	0	0	0	16	9	25
Japanese	21	12	33	0	0	0	21	12	33
Romanian	5	2	7	0	0	0	5	2	7
Korean	23	3	26	0	0	0	23	3	26
Bengali	1	1	2	0	0	0	1	1	2
Bulgarian	2	1	3	0	0	0	2	1	3
Hungarian	4	1	5	0	0	0	4	1	5
Polish	2	2	4	0	0	0	2	2	4
Russian	9	10	19	0	0	0	9	10	19
Croatian	1	0	1	0	0	0	1	0	1
Serbian	2	0	2	0	0	0	2	0	2
Sub-Total :	179	105	284	0	0	0	179	105	284

Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>Certificate course</i>									
Arabic	158	42	200	0	0	0	158	42	200
Assamese	7	1	8	0	0	0	7	1	8
Bengali	20	2	22	0	0	0	20	2	22
Gujrati	9	4	13	0	0	0	9	4	13
Hindi	8	10	18	0	0	0	8	10	18
Kannada	1	0	1	0	0	0	1	0	1
Oriya	5	0	5	0	0	0	5	0	5
Punjabi	84	20	104	0	0	0	84	20	104
Persian	164	43	207	0	0	0	164	43	207
Sindhi	8	2	10	0	0	0	8	2	10
Sanskrit	19	12	31	0	0	0	19	12	31
Tamil	5	1	6	0	0	0	5	1	6
Telugu	2	0	2	0	0	0	2	0	2
Urdu	311	78	389	0	0	0	311	78	389
Portuguese	30	18	48	0	0	0	30	18	48
Romanian	16	2	18	0	0	0	16	2	18
Chinese	33	9	42	0	0	0	33	9	42
Korean	32	10	42	0	0	0	32	10	42
Swahili	7	0	7	0	0	0	7	0	7
Serbian	3	0	3	0	0	0	3	0	3
Bulgarian	6	0	6	0	0	0	6	0	6
Czech	10	2	12	0	0	0	10	2	12

Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Hungarian	3	1	4	0	0	0	3	1	4
Polish	12	6	18	0	0	0	12	6	18
Russian	51	20	71	0	0	0	51	20	71
Croatian	9	1	10	0	0	0	9	1	10
Sub-Total :	1013	284	1297	0	0	0	1013	284	1297
Total :	1408	486	1894	0	0	0	1408	486	1894

S-30

Diploma

French	65	153	218	0	0	0	65	153	218
German	44	96	140	0	0	0	44	96	140
Italian	15	7	22	0	0	0	15	7	22
Sanskrit	2	4	6	0	0	0	2	4	6
Spanish	29	45	74	0	0	0	29	45	74
Chinese	7	10	17	0	0	0	7	10	17
Pharmacy	59	61	120	59	45	104	118	106	224
Fine Art	1	1	2	2	5	7	3	6	9
Russian	0	5	5	0	0	0	0	5	5
Business Journalism & Corporate Com.	22	22	44	0	0	0	22	22	44
Conflict Transformation & Peace Bldg.	0	29	29	0	13	13	0	42	42
Sub-Total :	244	433	677	61	63	124	305	496	801

Course	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>Advance Diploma</i>									
French	31	55	86	0	0	0	31	55	86
German	6	29	35	0	0	0	6	29	35
Spanish	11	26	37	0	0	0	11	26	37
Sub-Total :	48	110	158	0	0	0	48	110	158
<i>Certificate course</i>									
French	216	436	652	0	0	0	216	436	652
German	241	371	612	0	0	0	241	371	612
Italian	22	4	26	0	0	0	22	4	26
Persian	1	7	8	0	0	0	1	7	8
Sanskrit	3	5	8	0	0	0	3	5	8
Spanish	93	176	269	0	0	0	93	176	269
Chinese	12	16	28	0	0	0	12	16	28
Russian	20	41	61	0	0	0	20	41	61
Sub-Total :	608	1056	1664	0	0	0	608	1056	1664
Total :	900	1599	2499	61	63	124	961	1662	2623
Grand-Total :	2308	2085	4393	61	63	124	2369	2148	4517

**Statement showing the Number of Students on Rolls in Post-graduate Certificate/Diploma Courses
in the Colleges/Departments during the Academic Session 2008-09**

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>Diploma</i>									
Pali	5	8	13	0	0	0	5	8	13
Tibetan	5	0	5	0	0	0	5	0	5
Foreign Language Education	3	20	23	0	0	0	3	20	23
Sangeet Shiromani	3	15	18	6	10	16	9	25	34
Sub-Total :	16	43	59	6	10	16	22	53	75
<i>Intensive Advanced Diploma</i>									
Portuguese	23	8	31	0	0	0	23	8	31
Russian	23	8	31	0	0	0	23	8	31
Bulgarian	5	0	5	0	0	0	5	0	5
Chinese	21	6	27	0	0	0	21	6	27
Japanese	14	11	25	0	0	0	14	11	25
Sub-Total :	86	33	119	0	0	0	86	33	119
<i>Post M.A. Diploma</i>									
Linguistics	2	2	4	0	0	0	2	2	4
Mass Media	9	4	13	0	0	0	9	4	13
Persian Translation	1	0	1	0	0	0	1	0	1
Adult Continuing Edn. & Extn.	12	6	18	0	0	0	12	6	18
Sub-Total :	24	12	36	0	0	0	24	12	36

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
<i>P.G. Diploma</i>									
Hindi Journalism	22	5	27	0	0	0	22	5	27
Translation (English to Hindi)	7	36	43	0	0	0	7	36	43
Medical Sc. -Other Instt.	22	16	38	32	33	65	54	49	103
Sub-Total :	51	57	108	32	33	65	83	90	173
<i>Certificate</i>									
Pali	14	8	22	0	0	0	14	8	22
Tibetan	4	2	6	0	0	0	4	2	6
Forensic Science	13	7	20	0	0	0	13	7	20
Sub-Total :	31	17	48	0	0	0	31	17	48
<i>Post-Intensive Advanced Diploma</i>									
Chinese	6	8	14	0	0	0	6	8	14
Japanese	12	10	22	0	0	0	12	10	22
Sub-Total :	18	18	36	0	0	0	18	18	36
<i>Post-B.Sc. Diploma</i>									
Hindi Journalism	11	10	21	0	0	0	11	10	21
Sub-Total :	11	10	21	0	0	0	11	10	21
Total :	237	190	427	38	43	81	275	233	508

	I Year			II Year			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
College									
Diploma									
Dietetics & Public Health Nut.	0	33	33	0	0	0	0	33	33
Sub-Total :	0	33	33	0	0	0	0	33	33
P.G. Diploma									
Fine Arts	0	0	0	1	1	2	1	1	2
International Marketing	15	29	44	0	0	0	15	29	44
Global Business Operation & Inld. Research	33	24	57	25	28	53	58	52	110
Book Publishing	12	5	17	6	7	13	18	12	30
Tourism	27	13	40	21	10	31	48	23	71
Development Therapy	2	10	12	0	0	0	2	10	12
Special Education	0	20	20	0	0	0	0	20	20
Medical Sciences	23	26	49	18	33	51	41	59	100
Computer Applications	25	19	44	15	32	47	40	51	91
Bio-Chemical Tech.	7	10	17	0	0	0	7	10	17
Cosmetology (One year)	2	6	8	0	0	0	2	6	8
Sub-Total :	146	162	308	86	111	197	232	273	505
Total :	146	195	341	86	111	197	232	306	538
Grand-Total :	383	385	768	124	154	278	507	539	1046

Statement showing the College-wise distribution of Students during the Academic Session 2008-09

B.A. (Pass)

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
School of Open Learning	0	0	0	0	0	0	13445	19196	32641	13445	19196	32641
Total (Nonformal) :	0	0	0	0	0	0	13445	19196	32641	13445	19196	32641
Grand Total :	0	0	0	0	0	0	13445	19196	32641	13445	19196	32641

S-35

B.A. (Vocational Studies)

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
College of Vocational Studies	197	162	359	154	155	309	136	136	272	487	453	940
Total :	197	162	359	154	155	309	136	136	272	487	453	940

B.A. Programme

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	63	30	93	63	50	113	30	19	49	156	99	255
Bharati College (W)	0	141	141	0	134	134	0	138	138	0	413	413
Bhim Rao Ambedkar College	70	159	229	41	118	159	67	96	163	178	373	551
Daulat Ram College (W)	0	98	98	0	109	109	0	72	72	0	279	279
Deen Dayal Upadhyaya College	52	13	65	44	22	66	33	17	50	129	52	181
Delhi College of Arts & Commerce	88	31	119	90	44	134	56	40	96	234	115	349
Deshbandhu College	98	49	147	96	58	154	78	48	126	272	155	427
Dyal Singh College	118	49	167	117	55	172	99	38	137	334	142	476
Gargi College (W)	0	133	133	0	101	101	0	91	91	0	325	325
Hans Raj College	62	22	84	51	31	82	50	20	70	163	73	236
Hindu College	35	4	39	18	8	26	29	6	35	82	18	100
Indraprastha College for Women	0	142	142	0	154	154	0	116	116	0	412	412
Janki Devi Memorial College (W)	0	168	168	0	171	171	0	182	182	0	521	521
Jesus & Mary College (W)	0	275	275	0	264	264	0	252	252	0	791	791
Kalindi College (W)	0	189	189	0	123	123	0	147	147	0	459	459
Kamala Nehru College (W)	0	84	84	0	82	82	0	72	72	0	238	238
Kirori Mal College	54	14	68	34	23	57	29	12	41	117	49	166
Lady Shri Ram College (W)	0	53	53	0	47	47	0	43	43	0	143	143
Lakshmibai College (W)	0	335	335	0	304	304	0	301	301	0	940	940
Maitreyi College (W)	0	119	119	0	99	99	0	90	90	0	308	308
Mata Sundri College (W)	0	212	212	0	169	169	0	210	210	0	591	591
Miranda House (W)	0	135	135	0	134	134	0	125	125	0	394	394
Moti Lal Nehru College	139	90	229	90	72	162	69	65	134	298	227	525
PGDAV College	91	43	134	64	32	96	53	38	91	208	113	321
Rajdhani College	116	40	156	96	38	134	84	24	108	296	102	398

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Ram Lal Anand College	30	29	59	55	15	70	39	8	47	124	52	176
Ramjas College	93	39	132	69	50	119	50	10	60	212	99	311
SGTB Khalsa College	87	40	127	40	9	49	23	20	43	150	69	219
Satyawati College	177	46	223	145	50	195	121	36	157	443	132	575
Shaheed Bhagat Singh College	55	21	76	34	18	52	48	15	63	137	54	191
Shivaji College	125	11	136	75	10	85	109	25	134	309	46	355
Shyam Lal College	60	51	111	48	58	106	47	48	95	155	157	312
Shyama Prasad Mukherji College (W)	0	294	294	0	260	260	0	262	262	0	816	816
Sri Aurobindo College	182	63	245	101	28	129	116	41	157	399	132	531
Sri Venkateswara College	36	23	59	35	37	72	39	27	66	110	87	197
St. Stephen's College	41	21	62	43	17	60	37	22	59	121	60	181
Swami Shraddhanand College	210	66	276	185	60	245	127	54	181	522	180	702
Vivekananda College (W)	0	159	159	0	130	130	0	89	89	0	378	378
Zakir Husain College	131	67	198	114	77	191	124	87	211	369	231	600
Bhagini Nivedita College (W)	0	220	220	0	172	172	0	148	148	0	540	540
Aditi Mahavidhyalaya (W)	0	329	329	0	346	346	0	251	251	0	926	926
Maharaja Agrasen Co-Edn. College	42	31	73	39	61	100	45	49	94	126	141	267
Sri Guru Nanak Dev Khalsa College	96	38	134	54	27	81	58	27	85	208	92	300
Sub- Total (Day) :	2351	4176	6527	1841	3867	5708	1660	3481	5141	5852	11524	17376
Deshbandhu College (Eve.)	86	36	122	98	26	124	76	25	101	260	87	347
Dyal Singh College (Eve.)	174	76	250	135	50	185	142	53	195	451	179	630
Moti Lal Nehru College (Eve.)	229	44	273	159	35	194	114	25	139	502	104	606
PGDAV College (Eve.)	129	61	190	127	67	194	115	35	150	371	163	534

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Ram Lal Anand College (Eve.)	115	31	146	98	22	120	75	14	89	288	67	355
Satyawati College (Eve.)	155	25	180	140	29	169	118	21	139	413	75	488
Shaheed Bhagat Singh College (Eve.)	94	48	142	90	50	140	78	56	134	262	154	416
Shyam Lal College (Eve.)	106	37	143	80	42	122	56	40	96	242	119	361
Sri Aurobindo College (Eve.)	152	27	179	101	27	128	58	32	90	311	86	397
Zakir Husain P.G. College (Eve.)	171	14	185	140	8	148	165	19	184	476	41	517
Sub-Total (Eve) :	1411	399	1810	1168	356	1524	997	320	1317	3576	1075	4651
Total : Regular (Day + Eve.) :	3762	4575	8337	3009	4223	7232	2657	3801	6458	9428	12599	22027
External Candidate's Cell	0	0	0	5122	5401	10523	2914	3546	6460	8036	8947	16983
Non-Collegiate Women's Edn. Board	0	2871	2871	0	2927	2927	0	2618	2618	0	8416	8416
School of Open Learning	29597	28278	57875	16119	19613	35732	0	0	0	45716	47891	93607
Total (Nonformal) :	29597	31149	60746	21241	27941	49182	2914	6164	9078	53752	65254	119006
Grand Total:	33359	35724	69083	24250	32164	56414	5571	9965	15536	63180	77853	141033

B.A. (Hons.) College-wise distribution of students

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	123	84	207	93	72	165	85	83	168	301	239	540
Bharati College (W)	0	175	175	0	163	163	0	170	170	0	508	508
Bhim Rao Ambedkar College	86	83	169	61	72	133	50	76	126	197	231	428
College of Vocational Studies	83	32	115	63	35	98	41	33	74	187	100	287
Daulat Ram College (W)	0	398	398	0	319	319	0	329	329	0	1046	1046
Deen Dayal Upadhyaya College	9	35	44	7	18	25	3	19	22	19	72	91
Delhi College of Arts & Commerce	104	65	169	67	55	122	67	49	116	238	169	407
Deshbandhu College	256	118	374	126	85	211	143	82	225	525	285	810
Dyal Singh College	172	120	292	112	109	221	109	91	200	393	320	713
Gargi College (W)	0	241	241	0	190	190	0	154	154	0	585	585
Hans Raj College	158	118	276	140	142	282	143	122	265	441	382	823
Hindu College	151	140	291	103	128	231	93	117	210	347	385	732
Indraprastha College for Women	0	362	362	0	285	285	0	367	367	0	1014	1014
Janki Devi Memorial College (W)	0	278	278	0	251	251	0	301	301	0	830	830
Jesus & Mary College (W)	0	314	314	0	300	300	0	272	272	0	886	886
Kalindi College (W)	0	239	239	0	243	243	0	203	203	0	685	685
Kamala Nehru College (W)	0	362	362	0	342	342	0	289	289	0	993	993
Kirori Mal College	189	104	293	138	96	234	128	66	194	455	266	721
Lady Shri Ram College (W)	0	450	450	0	504	504	0	431	431	0	1385	1385
Lakshmibai College (W)	0	281	281	0	250	250	0	249	249	0	780	780
Maitreyi College (W)	0	192	192	0	176	176	0	168	168	0	536	536
Mata Sundri College (W)	0	272	272	0	337	337	0	348	348	0	957	957

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Miranda House (W)	0	375	375	0	339	339	0	293	293	0	1007	1007
Moti Lal Nehru College	117	73	190	55	63	118	64	75	139	236	211	447
PGDAV College	118	105	223	86	81	167	70	78	148	274	264	538
Rajdhani College	147	61	208	86	75	161	95	69	164	328	205	533
Ram Lal Anand College	131	71	202	103	47	150	78	49	127	312	167	479
Ramjas College	194	84	278	122	79	201	147	87	234	463	250	713
SGTB Khalsa College	207	154	361	145	131	276	111	89	200	463	374	837
Satyawati College	160	73	233	119	66	185	105	83	188	384	222	606
Shaheed Bhagat Singh College	143	81	224	96	60	156	64	58	122	303	199	502
Sherbutse College (Bhutan)	0	0	0	0	0	0	62	40	102	62	40	102
Shivaji College	168	53	221	143	45	188	132	57	189	443	155	598
Shyam Lal College	98	77	175	52	82	134	50	70	120	200	229	429
Shyama Prasad Mukherji College (W)	0	247	247	0	208	208	0	223	223	0	678	678
Sri Aurobindo College	75	58	133	47	38	85	49	31	80	171	127	298
Sri G. G. S. College of Commerce	51	59	110	42	52	94	47	50	97	140	161	301
Shri Ram College of Commerce	43	72	115	30	62	92	35	53	88	108	187	295
Sri Venkateswara College	107	86	193	76	127	203	72	131	203	255	344	599
St. Stephen's College	82	116	198	81	99	180	66	95	161	229	310	539
Swami Shraddhanand College	161	64	225	61	44	105	35	33	68	257	141	398
Vivekananda College (W)	0	165	165	0	182	182	0	164	164	0	511	511
Zakir Husain College	160	118	278	145	110	255	163	126	289	468	354	822
Bhagini Nivedita College (W)	0	24	24	0	15	15	0	18	18	0	57	57
Keshav Mahavidyalaya	2	21	23	0	16	16	0	0	0	2	37	39

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Aditi Mahavidyalaya (W)	0	67	67	0	55	55	0	43	43	0	165	165
Maharaja Agrasen Co-Ed. College	60	96	156	49	85	134	46	78	124	155	259	414
Sri Guru Nanak Dev Khalsa College	138	90	228	69	62	131	66	80	146	273	232	505
Sub-Total (Day) :	3693	6953	10646	2517	6395	8912	2419	6192	8611	8629	19540	28169
Deshbandhu College (Eve.)	82	27	109	39	31	70	49	24	73	170	82	252
Dyal Singh College (Eve.)	78	31	109	46	25	71	53	34	87	177	90	267
Moti Lal Nehru College (Eve.)	87	17	104	50	16	66	37	12	49	174	45	219
PGDAV College (Eve.)	49	23	72	42	19	61	46	16	62	137	58	195
Ram Lal Anand College (Eve.)	130	59	189	91	22	113	68	29	97	289	110	399
Satyawati College (Eve.)	151	36	187	68	24	92	56	33	89	275	93	368
Shaheed Bhagat Singh College (Eve.)	57	20	77	48	21	69	43	25	68	148	66	214
Shyam Lal College (Eve.)	57	33	90	45	19	64	44	15	59	146	67	213
Sri Aurobindo College (Eve.)	50	18	68	12	15	27	9	13	22	71	46	117
Zakir Husain P.G. College (Eve.)	74	7	81	49	14	63	61	8	69	184	29	213
Sub-Total (Eve) :	815	271	1086	490	206	696	466	209	675	1771	686	2457
Total Regular (Day+Eve.) :	4508	7224	11732	3007	6601	9608	2885	6401	9286	10400	20226	30626

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Department												
Germanic & Romance Studies	47	74	121	32	55	87	27	62	89	106	191	297
Sub- Total :	47	74	121	32	55	87	27	62	89	106	191	297
Total (Regular) :	4555	7298	11853	3039	6656	9695	2912	6463	9375	10506	20417	30923
School of Open Learning	367	797	1164	236	803	1039	164	599	763	767	2199	2966
Total (Nonformal) :	367	797	1164	236	803	1039	164	599	763	767	2199	2966
Grand Total :	4922	8095	13017	3275	7459	10734	3076	7062	10138	11273	22616	33889

B.A.(Hons.) Course-wise distribution of students

Course	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
B.A.(Hons.)												
Arabic	6	4	10	4	2	6	8	5	13	18	11	29
Applied Psychology	20	102	122	7	89	96	5	65	70	32	256	288
Bengali	3	3	6	0	5	5	0	5	5	3	13	16
English	474	1225	1699	294	1098	1392	325	1146	1471	1093	3469	4562
Hindi	791	1004	1795	450	864	1314	390	769	1159	1631	2637	4268
Punjabi	27	28	55	10	45	55	5	31	36	42	104	146
Persian	5	4	9	5	9	14	1	10	11	11	23	34
Philosophy	28	277	305	21	212	233	15	204	219	64	693	757
Psychology	15	259	274	9	220	229	10	221	231	34	700	734
Sanskrit	215	226	441	91	186	277	79	211	290	385	623	1008
Urdu	22	34	56	28	37	65	20	24	44	70	95	165
Hindi Patrakarita AVAM JAN	32	40	72	34	27	61	36	59	95	102	126	228
Journalism	21	114	135	20	111	131	19	87	106	60	312	372
French	12	18	30	7	19	26	6	16	22	25	53	78
German	8	22	30	8	17	25	8	14	22	24	53	77
Italian	12	17	29	7	12	19	9	15	24	28	44	72
Spanish	15	17	32	10	7	17	4	17	21	29	41	70
Economics	557	941	1498	434	846	1280	485	936	1421	1476	2723	4199
History	761	742	1503	489	674	1163	350	542	892	1600	1958	3558
Geography	208	157	365	133	156	289	143	130	273	484	443	927

Course	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Pol. Science	896	1224	2120	621	1144	1765	673	1170	1843	2190	3538	5728
Sociology	20	214	234	13	211	224	11	172	183	44	597	641
Social Work	18	51	69	12	47	59	14	40	54	44	138	182
Business Economics	177	191	368	160	161	321	110	109	219	447	461	908
Mathematics	201	353	554	164	437	601	176	444	620	541	1234	1775
Music	11	31	42	8	20	28	10	21	31	29	72	101
Total :	4555	7298	11853	3039	6656	9695	2912	6463	9375	10506	20417	30923

S-44

Statement showing the College-wise and Subject-wise distribution of Students during the Academic Session (2008-2009)

B.A. (Hons.) Arabic

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Zakir Husain College	6	4	10	4	2	6	8	5	13	18	11	29
Total Regular (Day) :	6	4	10	4	2	6	8	5	13	18	11	29

B.A. (Hons.) Applied Psychology

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Bhim Rao Ambedkar College	10	14	24	4	9	13	0	0	0	14	23	37
Gargi College (W)	0	27	27	0	20	20	0	19	19	0	66	66
Shyama Prasad Mukherji College (W)	0	27	27	0	22	22	0	14	14	0	63	63
Vivekananda College (W)	0	19	19	0	25	25	0	22	22	0	66	66
Total (Day) :	10	87	97	4	76	80	0	55	55	14	218	232
Sri Aurobindo College (Eve.)	10	15	25	3	13	16	5	10	15	18	38	56
Total (Day) :	10	15	25	3	13	16	5	10	15	18	38	56
Grand Total Regular (Day + Eve.) :	20	102	122	7	89	96	5	65	70	32	256	288

S-45

B.A. (Hons.) Bengali

Miranda House (W)	0	2	2	0	3	3	0	2	2	0	7	7
Zakir Husain College	3	1	4	0	2	2	0	3	3	3	6	9
Total (Regular) :	3	3	6	0	5	5	0	5	5	3	13	16

B.A. (Hons.) English

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	11	22	33	9	14	23	9	23	32	29	59	88
Bharati College (W)	0	39	39	0	42	42	0	40	40	0	121	121
Daulat Ram College (W)	0	52	52	0	32	32	0	38	38	0	122	122
Deen Dayal Upadhyaya College	9	35	44	7	18	25	3	19	22	19	72	91
Delhi College of Arts & Commerce	15	19	34	8	19	27	3	22	25	26	60	86
Deshbandhu College	24	25	49	10	25	35	20	28	48	54	78	132
Dyal Singh College	13	24	37	10	30	40	14	27	41	37	81	118
Gargi College (W)	0	35	35	0	23	23	0	24	24	0	82	82
Hans Raj College	14	24	38	13	23	36	9	38	47	36	85	121
Hindu College	15	14	29	7	20	27	8	19	27	30	53	83
Indraprastha College for Women	0	42	42	0	38	38	0	39	39	0	119	119
Janki Devi Memorial College (W)	0	35	35	0	28	28	0	40	40	0	103	103
Jesus & Mary College (W)	0	37	37	0	38	38	0	37	37	0	112	112
Kalindi College (W)	0	24	24	0	21	21	0	34	34	0	79	79
Kamala Nehru College (W)	0	38	38	0	28	28	0	28	28	0	94	94
Kirori Mal College	14	22	36	13	22	35	10	17	27	37	61	98
Lady Shri Ram College (W)	0	70	70	0	77	77	0	72	72	0	219	219
Lakshmibai College (W)	0	32	32	0	33	33	0	34	34	0	99	99
Maitreyi College (W)	0	30	30	0	31	31	0	26	26	0	87	87
Mata Sundri College (W)	0	60	60	0	55	55	0	61	61	0	176	176
Miranda House (W)	0	46	46	0	37	37	0	34	34	0	117	117
Moti Lal Nehru College	4	18	22	5	13	18	6	15	21	15	46	61

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
PGDAV College	17	31	48	6	27	33	8	9	17	31	67	98
Rajdhani College	15	19	34	7	17	24	6	22	28	28	58	86
Ram Lal Anand College	13	25	38	14	16	30	10	27	37	37	68	105
Ramjas College	20	22	42	20	20	40	13	22	35	53	64	117
SGTB Khalsa College	20	40	60	10	29	39	6	33	39	36	102	138
Satyawati College	13	15	28	4	15	19	0	21	21	17	51	68
Shaheed Bhagat Singh College	13	15	28	3	18	21	5	17	22	21	50	71
Sherbutse College (Bhutan)	0	0	0	0	0	0	22	18	40	22	18	40
Shivaji College	17	24	41	13	17	30	8	20	28	38	61	99
Shyam Lal College	10	13	23	8	24	32	7	15	22	25	52	77
Shyama Prasad Mukherji College (W)	0	20	20	0	22	22	0	25	25	0	67	67
Sri Aurobindo College	17	27	44	8	18	26	10	17	27	35	62	97
Sri Venkateswara College	5	19	24	4	27	31	6	29	35	15	75	90
St. Stephen's College	10	20	30	6	21	27	14	11	25	30	52	82
Swami Shraddhanand College	25	27	52	18	19	37	8	17	25	51	63	114
Vivekananda College (W)	0	34	34	0	27	27	0	23	23	0	84	84
Zakir Husain College	14	13	27	14	8	22	18	13	31	46	34	80
Maharaja Agrasen Co-Ed. College	10	18	28	6	14	20	10	12	22	26	44	70
Sri Guru Nanak Dev Khalsa College	9	24	33	6	29	35	10	23	33	25	76	101
Sub-Total (Day) :	347	1149	1496	229	1035	1264	243	1089	1332	819	3273	4092

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Deshbandhu College (Eve.)	20	16	36	8	15	23	13	15	28	41	46	87
Dyal Singh College (Eve.)	38	15	53	21	15	36	28	16	44	87	46	133
Moti Lal Nehru College (Eve.)	11	10	21	5	7	12	5	8	13	21	25	46
Ram Lal Anand College (Eve.)	21	12	33	7	9	16	15	7	22	43	28	71
Satyawati College (Eve.)	21	22	43	16	12	28	8	8	16	45	42	87
Zakir Husain P.G. College (Eve.)	16	1	17	8	5	13	13	3	16	37	9	46
Sub-Total (Eve.) :	127	76	203	65	63	128	82	57	139	274	196	470
Total Regular (Day+Eve.) :	474	1225	1699	294	1098	1392	325	1146	1471	1093	3469	4562
School of Open Learning	367	797	1164	236	803	1039	164	599	763	767	2199	2966
Total (Nonformal) :	367	797	1164	236	803	1039	164	599	763	767	2199	2966
Grand Total :	841	2022	2863	530	1901	2431	489	1745	2234	1860	5668	7528

B.A. (Hons.) Hindi

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	26	12	38	10	11	21	11	11	22	47	34	81
Bharati College (W)	0	43	43	0	37	37	0	36	36	0	116	116
Daulat Ram College (W)	0	87	87	0	59	59	0	43	43	0	189	189
Deshbandhu College	32	23	55	30	14	44	26	8	34	88	45	133
Dyal Singh College	36	24	60	18	10	28	14	11	25	68	45	113
Gargi College (W)	0	32	32	0	23	23	0	25	25	0	80	80
Hans Raj College	32	24	56	39	14	53	34	4	38	105	42	147
Hindu College	15	11	26	19	18	37	20	8	28	54	37	91
Indraprastha College for Women	0	32	32	0	43	43	0	34	34	0	109	109
Janki Devi Memorial College (W)	0	35	35	0	33	33	0	34	34	0	102	102
Jesus & Mary College (W)	0	38	38	0	25	25	0	25	25	0	88	88
Kalindi College (W)	0	46	46	0	39	39	0	26	26	0	111	111
Kamala Nehru College (W)	0	30	30	0	32	32	0	29	29	0	91	91
Kirori Mal College	29	9	38	22	8	30	10	2	12	61	19	80
Lady Shri Ram College (W)	0	27	27	0	37	37	0	20	20	0	84	84
Lakshmibai College (W)	0	28	28	0	22	22	0	27	27	0	77	77
Maitreyi College (W)	0	20	20	0	32	32	0	28	28	0	80	80
Mata Sundri College (W)	0	53	53	0	67	67	0	65	65	0	185	185
Miranda House (W)	0	49	49	0	37	37	0	36	36	0	122	122
Moti Lal Nehru College	14	15	29	12	12	24	5	10	15	31	37	68
PGDAV College	18	28	46	15	18	33	3	22	25	36	68	104
Rajdhani College	30	13	43	14	14	28	21	10	31	65	37	102

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Ram Lal Anand College	41	19	60	18	10	28	20	11	31	79	40	119
Ramjas College	33	20	53	21	14	35	25	12	37	79	46	125
SGTB Khalsa College	32	18	50	19	12	31	21	7	28	72	37	109
Satyawati College	23	7	30	8	7	15	23	10	33	54	24	78
Shaheed Bhagat Singh College	18	18	36	14	9	23	11	10	21	43	37	80
Shivaji College	38	0	38	23	7	30	18	4	22	79	11	90
Shyam Lal College	17	17	34	9	19	28	7	19	26	33	55	88
Shyama Prasad Mukherji College (W)	0	31	31	0	31	31	0	51	51	0	113	113
Sri Aurobindo College	32	15	47	19	9	28	10	5	15	61	29	90
Sri Venkateswara College	22	8	30	12	15	27	9	10	19	43	33	76
Swami Shraddhanand College	31	19	50	7	12	19	5	9	14	43	40	83
Vivekananda College (W)	0	33	33	0	32	32	0	29	29	0	94	94
Zakir Husain College	22	11	33	14	10	24	19	8	27	55	29	84
Bhagini Nivedita College (W)	0	24	24	0	15	15	0	18	18	0	57	57
Maharaja Agrasen Co-Ed. College	9	23	32	7	23	30	2	17	19	18	63	81
Sri Guru Nanak Dev Khalsa College	36	18	54	6	1	7	8	4	12	50	23	73
Total (Day) :	586	960	1546	356	831	1187	322	738	1060	1264	2529	3793

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Deshbandhu College (Eve.)	22	6	28	14	7	21	7	4	11	43	17	60
Moti Lal Nehru College (Eve.)	19	2	21	7	1	8	6	1	7	32	4	36
PGDAV College (Eve.)	19	7	26	17	3	20	10	6	16	46	16	62
Ram Lal Anand College (Eve.)	34	3	37	15	4	19	9	0	9	58	7	65
Satyawati College (Eve.)	32	3	35	12	2	14	13	12	25	57	17	74
Shyam Lal College (Eve.)	22	17	39	11	12	23	6	5	11	39	34	73
Sri Aurobindo College (Eve.)	40	3	43	9	2	11	4	3	7	53	8	61
Zakir Husain P.G. College (Eve.)	17	3	20	9	2	11	13	0	13	39	5	44
Total :	205	44	249	94	33	127	68	31	99	367	108	475
Grand Total :	791	1004	1795	450	864	1314	390	769	1159	1631	2637	4268

B.A.(Hons.) Punjabi

Mata Sundri College (W)	0	11	11	0	19	19	0	20	20	0	50	50
SGTB Khalsa College	24	13	37	6	22	28	5	8	13	35	43	78
Sri Guru Nanak Dev Khalsa College	3	4	7	4	4	8	0	3	3	7	11	18
Total :	27	28	55	10	45	55	5	31	36	42	104	146

B.A. (Hons.) Persian

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Zakir Husain College	5	4	9	3	7	10	1	10	11	9	21	30
Total (Day) :	5	4	9	3	7	10	1	10	11	9	21	3
Zakir Husain P.G. College (Eve.)	0	0	0	2	2	4	0	0	0	2	2	4
Total (Eve.) :	0	0	0	2	2	4	0	0	0	2	2	4
Grand Total (Regular) :	5	4	9	5	9	14	1	10	11	11	23	34

S-52

B.A. (Hons.) Philosophy

Daulat Ram College (W)	0	26	26	0	18	18	0	15	15	0	59	59
Gargi College (W)	0	14	14	0	14	14	0	14	14	0	42	42
Hindu College	16	11	27	5	1	6	0	0	0	21	12	33
Indraprastha College for Women	0	43	43	0	22	22	0	22	22	0	87	87
Janki Devi Memorial College (W)	0	17	17	0	13	13	0	21	21	0	51	51
Kamala Nehru College (W)	0	19	19	0	21	21	0	14	14	0	54	54
Lady Shri Ram College (W)	0	26	26	0	25	25	0	22	22	0	73	73
Lakshmibai College (W)	0	26	26	0	26	26	0	25	25	0	77	77
Mata Sundri College (W)	0	21	21	0	25	25	0	10	10	0	56	56
Miranda House (W)	0	34	34	0	24	24	0	34	34	0	92	92

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shyama Prasad Mukherji College (W)	0	25	25	0	10	10	0	15	15	0	50	50
St. Stephen's College	4	13	17	7	6	13	3	4	7	14	23	37
Zakir Husain College	8	2	10	9	7	16	12	8	20	29	17	46
Total Regular (Day) :	28	277	305	21	212	233	15	204	219	64	693	757

B.A. (Hons.) Psychology

Daulat Ram College (W)	0	35	35	0	25	25	0	26	26	0	86	86
Indraprastha College for Women	0	62	62	0	33	33	0	36	36	0	131	131
Jesus & Mary College (W)	0	40	40	0	40	40	0	38	38	0	118	118
Kamala Nehru College (W)	0	36	36	0	23	23	0	28	28	0	87	87
Lady Shri Ram College (W)	0	34	34	0	31	31	0	33	33	0	98	98
Mata Sundri College (W)	0	23	23	0	37	37	0	46	46	0	106	106
Zakir Husain College	13	8	21	9	15	24	10	14	24	32	37	69
Keshav Mahavidhyalaya	2	21	23	0	16	16	0	0	0	2	37	39
Total Regular (Day) :	15	259	274	9	220	229	10	221	231	34	700	734

B.A. (Hons.) Sanskrit

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Bharati College (W)	0	23	23	0	15	15	0	22	22	0	60	60
Daulat Ram College (W)	0	18	18	0	7	7	0	10	10	0	35	35
Deshbandhu College	42	4	46	3	7	10	4	2	6	49	13	62
Gargi College (W)	0	10	10	0	4	4	0	9	9	0	23	23
Hans Raj College	23	7	30	22	4	26	14	2	16	59	13	72
Hindu College	22	5	27	8	8	16	8	5	13	38	18	56
Indraprastha College for Women	0	13	13	0	10	10	0	14	14	0	37	37
Janki Devi Memorial College (W)	0	8	8	0	13	13	0	5	5	0	26	26
Kalindi College (W)	0	5	5	0	2	2	0	5	5	0	12	12
Kamala Nehru College (W)	0	21	21	0	10	10	0	16	16	0	47	47
Kirori Mal College	17	4	21	14	2	16	10	3	13	41	9	50
Lady Shri Ram College (W)	0	15	15	0	9	9	0	15	15	0	39	39
Lakshmibai College (W)	0	7	7	0	11	11	0	7	7	0	25	25
Maitreyi College (W)	0	13	13	0	8	8	0	5	5	0	26	26
Mata Sundri College (W)	0	6	6	0	11	11	0	22	22	0	39	39
Miranda House (W)	0	13	13	0	12	12	0	13	13	0	38	38
Moti Lal Nehru College	26	1	27	1	2	3	10	7	17	37	10	47
PGDAV College	3	7	10	6	2	8	1	0	1	10	9	19
Rajdhani College	13	6	19	5	0	5	7	1	8	25	7	32
Ramjas College	15	3	18	2	2	4	4	4	8	21	9	30
Satyawati College	23	7	30	10	2	12	10	4	14	43	13	56
Shivaji College	3	2	5	0	0	0	0	0	0	3	2	5

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shyama Prasad Mukherji College (W)	0	13	13	0	18	18	0	12	12	0	43	43
Sri Venkateswara College	7	0	7	1	3	4	2	2	4	10	5	15
St. Stephen's College	8	1	9	9	3	12	1	5	6	18	9	27
Vivekananda College (W)	0	9	9	0	17	17	0	16	16	0	42	42
Zakir Husain College	9	5	14	6	2	8	7	5	12	22	12	34
Total (Day) :	211	226	437	87	184	271	78	211	289	376	621	997
Zakir Husain P.G. College (Eve.)	4	0	4	4	2	6	1	0	1	9	2	11
Total (Eve) :	4	0	4	4	2	6	1	0	1	9	2	11
Grand Total Regular (Day+Eve.) :	215	226	441	91	186	277	79	211	290	385	623	1008

B.A. (Hons.) Urdu

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Kirori Mal College	9	11	20	9	10	19	9	2	11	27	23	50
Satyawati College	5	1	6	9	9	18	1	4	5	15	14	29
Zakir Husain College	4	19	23	6	16	22	5	16	21	15	51	66
Sub-Total (Day) :	18	31	49	24	35	59	15	22	37	57	88	145
Zakir Husain P.G. College (Eve.)	4	3	7	4	2	6	5	2	7	13	7	20
Sub-Total (Eve.) :	4	3	7	4	2	6	5	2	7	13	7	20
Grand Total Regular (Day+Eve.) :	22	34	56	28	37	65	20	24	44	70	95	165

S-56

B.A. (Hons.) Hindi Patrakarita AVAN Jan Sanchar

Bhim Rao Ambedkar College	11	8	19	9	9	18	8	19	27	28	36	64
Ram Lal Anand College	13	5	18	13	4	17	14	7	21	40	16	56
Aditi Mahavidyalaya (W)	0	14	14	0	11	11	0	21	21	0	46	46
Sri Guru Nanak Dev Khalsa College	8	13	21	12	3	15	14	12	26	34	28	62
Total :	32	40	72	34	27	61	36	59	95	102	126	228

B.A. (Hons.) Journalism

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Delhi College of Arts & Commerce	11	11	22	10	9	19	9	6	15	30	26	56
Kalindi College (W)	0	31	31	0	29	29	0	21	21	0	81	81
Kamala Nehru College (W)	0	26	26	0	37	37	0	22	22	0	85	85
Lady Shri Ram College (W)	0	25	25	0	20	20	0	19	19	0	64	64
Maharaja Agrasen Co-Ed. College	10	21	31	10	16	26	10	19	29	30	56	86
Total :	21	114	135	20	111	131	19	87	106	60	312	372

S-57

B.A. (Hons.) French**Department**

Germanic & Romance Studies	12	18	30	7	19	26	6	16	22	25	53	78
Total :	12	18	30	7	19	26	6	16	22	25	53	78

B.A. (Hons.) German

Department	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Germanic & Romance Studies	8	22	30	8	17	25	8	14	22	24	53	77
Total :	8	22	30	8	17	25	8	14	22	24	53	77

B.A. (Hons.) Italian

Germanic & Romance Studies	12	17	29	7	12	19	9	15	24	28	44	72
Total :	12	17	29	7	12	19	9	15	24	28	44	72

B.A. (Hons.) Spanish

Germanic & Romance Studies	15	17	32	10	7	17	4	17	21	29	41	70
Total :	15	17	32	10	7	17	4	17	21	29	41	70

B.A. (Hons.) Economics

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	19	22	41	20	14	34	15	20	35	54	56	110
College of Vocational Studies	21	8	29	24	15	39	8	12	20	53	35	88
Daulat Ram College (W)	0	66	66	0	59	59	0	81	81	0	206	206
Delhi College of Arts & Commerce	19	15	34	18	12	30	24	9	33	61	36	97
Deshbandhu College	26	16	42	11	6	17	15	8	23	52	30	82
Dyal Singh College	15	24	39	11	20	31	15	20	35	41	64	105
Hans Raj College	55	38	93	23	59	82	43	39	82	121	136	257
Hindu College	23	29	52	18	24	42	15	23	38	56	76	132
Indraprastha College for Women	0	30	30	0	25	25	0	51	51	0	106	106
Janki Devi Memorial College (W)	0	36	36	0	22	22	0	47	47	0	105	105
Jesus & Mary College (W)	0	46	46	0	52	52	0	46	46	0	144	144
Kalindi College (W)	0	32	32	0	27	27	0	37	37	0	96	96
Kamala Nehru College (W)	0	26	26	0	22	22	0	37	37	0	85	85
Kirori Mal College	24	28	52	23	18	41	26	17	43	73	63	136
Lady Shri Ram College (W)	0	78	78	0	90	90	0	70	70	0	238	238
Lakshmibai College (W)	0	20	20	0	24	24	0	36	36	0	80	80
Maitreyi College (W)	0	26	26	0	26	26	0	25	25	0	77	77
Miranda House (W)	0	48	48	0	40	40	0	40	40	0	128	128
Moti Lal Nehru College	19	12	31	2	8	10	16	18	34	37	38	75
PGDAV College	14	5	19	10	6	16	13	13	26	37	24	61
Rajdhani College	22	12	34	15	26	41	21	11	32	58	49	107
Ramjas College	36	16	52	21	12	33	24	15	39	81	43	124

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
SGTB Khalsa College	24	28	52	22	27	49	29	20	49	75	75	150
Satyawati College	18	20	38	22	13	35	16	18	34	56	51	107
Shaheed Bhagat Singh College	20	8	28	16	10	26	10	3	13	46	21	67
Sherbutse College (Bhutan)	0	0	0	0	0	0	25	12	37	25	12	37
Shivaji College	23	6	29	21	7	28	15	2	17	59	15	74
Shyam Lal College	20	28	48	9	7	16	7	13	20	36	48	84
Shyama Prasad Mukherji College (W)	0	24	24	0	13	13	0	23	23	0	60	60
Sri G.G.S. College of Commerce	24	36	60	24	31	55	19	30	49	67	97	164
Shri Ram College of Commerce	43	72	115	30	62	92	35	53	88	108	187	295
Sri Venkateswara College	14	18	32	12	25	37	22	34	56	48	77	125
St. Stephen's College	13	37	50	19	31	50	14	36	50	46	104	150
Zakir Husain College	15	6	21	27	4	31	19	6	25	61	16	77
Sub-Total (Day) :	507	916	1423	398	837	1235	446	925	1371	1351	2678	4029
Ram Lal Anand College (Eve.)	23	12	35	17	3	20	12	2	14	52	17	69
Satyawati College (Eve.)	16	6	22	5	3	8	12	4	16	33	13	46
Shyam Lal College (Eve.)	11	7	18	14	3	17	15	5	20	40	15	55
Sub-Total (Eve.) :	50	25	75	36	9	45	39	11	50	125	45	170
Grand Total :	557	941	1498	434	846	1280	485	936	1421	1476	2723	4199

B.A. (Hons.) History

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	17	7	24	11	13	24	5	7	12	33	27	60
Bharati College (W)	0	32	32	0	33	33	0	39	39	0	104	104
College of Vocational Studies	33	10	43	17	8	25	12	8	20	62	26	88
Daulat Ram College (W)	0	31	31	0	34	34	0	25	25	0	90	90
Delhi College of Arts & Commerce	34	10	44	14	6	20	13	4	17	61	20	81
Deshbandhu College	54	21	75	30	4	34	21	4	25	105	29	134
Dyal Singh College	37	9	46	24	13	37	6	1	7	67	23	90
Gargi College (W)	0	34	34	0	31	31	0	13	13	0	78	78
Hans Raj College	24	16	40	21	15	36	28	12	40	73	43	116
Hindu College	20	9	29	15	12	27	20	14	34	55	35	90
Indraprastha College for Women	0	27	27	0	25	25	0	33	33	0	85	85
Janki Devi Memorial College (W)	0	51	51	0	35	35	0	30	30	0	116	116
Jesus & Mary College (W)	0	35	35	0	23	23	0	28	28	0	86	86
Kalindi College (W)	0	30	30	0	37	37	0	12	12	0	79	79
Kamala Nehru College (W)	0	32	32	0	30	30	0	17	17	0	79	79
Kirori Mal College	26	6	32	18	13	31	21	5	26	65	24	89
Lady Shri Ram College (W)	0	56	56	0	64	64	0	64	64	0	184	184
Lakshmibai College (W)	0	26	26	0	17	17	0	26	26	0	69	69
Maitreyi College (W)	0	32	32	0	16	16	0	14	14	0	62	62
Mata Sundri College (W)	0	22	22	0	40	40	0	31	31	0	93	93
Miranda House (W)	0	44	44	0	43	43	0	22	22	0	109	109

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Moti Lal Nehru College	20	10	30	16	4	20	2	7	9	38	21	59
PGDAV College	22	15	37	14	14	28	14	7	21	50	36	86
Rajdhani College	31	3	34	18	1	19	18	3	21	67	7	74
Ram Lal Anand College	32	9	41	28	5	33	7	1	8	67	15	82
Ramjas College	49	5	54	27	9	36	26	13	39	102	27	129
SGTB Khalsa College	38	14	52	30	4	34	18	0	18	86	18	104
Satyawati College	24	9	33	28	3	31	16	3	19	68	15	83
Shaheed Bhagat Singh College	23	6	29	20	5	25	5	1	6	48	12	60
Shivaji College	25	3	28	22	1	23	16	1	17	63	5	68
Shyam Lal College	27	9	36	16	10	26	11	7	18	54	26	80
Shyama Prasad Mukherji College (W)	0	25	25	0	20	20	0	17	17	0	62	62
Sri Venkateswara College	17	7	24	14	18	32	13	8	21	44	33	77
St. Stephen's College	30	31	61	26	28	54	23	31	54	79	90	169
Swami Shraddhanand College	54	10	64	11	4	15	6	0	6	71	14	85
Vivekananda College (W)	0	22	22	0	24	24	0	21	21	0	67	67
Zakir Husain College	11	14	25	17	7	24	13	9	22	41	30	71
Sri Guru Nanak Dev Khalsa College	27	7	34	6	1	7	7	2	9	40	10	50
Sub-Total (Day) :	675	739	1414	443	670	1113	321	540	861	1439	1949	3388

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Moti Lal Nehru College (Eve.)	31	1	32	21	3	24	12	0	12	64	4	68
Satyawati College (Eve.)	43	2	45	20	1	21	11	2	13	74	5	79
Zakir Husain P.G. College (Eve.)	12	0	12	5	0	5	6	0	6	23	0	23
Sub-Total (Eve.) :	86	3	89	46	4	50	29	2	31	161	9	170
Grand Total :	761	742	1503	489	674	1163	350	542	892	1600	1958	3558

5-63

B.A. (Hons.) Geography

Bhim Rao Ambedkar College	19	26	45	11	18	29	15	17	32	45	61	106
Dyal Singh College	27	15	42	21	12	33	18	14	32	66	41	107
Kamala Nehru College (W)	0	27	27	0	33	33	0	24	24	0	84	84
Kirori Mal College	32	6	38	19	9	28	16	11	27	67	26	93
Miranda House (W)	0	28	28	0	30	30	0	22	22	0	80	80
Shaheed Bhagat Singh College	25	9	34	14	4	18	15	6	21	54	19	73
Sherbutse College (Bhutan)	0	0	0	0	0	0	15	10	25	15	10	25
Shivaji College	21	10	31	21	7	28	23	8	31	65	25	90
Swami Shraddhanand College	51	8	59	25	9	34	16	7	23	92	24	116
Aditi Mahavidyalaya (W)	0	21	21	0	20	20	0	0	0	0	41	41
Sub-Total (Day) :	175	150	325	111	142	253	118	119	237	404	411	815

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shaheed Bhagat Singh College (Eve.)	33	7	40	22	14	36	25	11	36	80	32	112
Sub-Total (Eve.) :	33	7	40	22	14	36	25	11	36	80	32	112
Grand Total :	208	157	365	133	156	289	143	130	273	484	443	927

B.A. (Hons.) Political Science

S-64	A.R.S.D. College	42	18	60	41	19	60	36	13	49	119	50	169
	Bharati College (W)	0	38	38	0	36	36	0	33	33	0	107	107
	Daulat Ram College (W)	0	64	64	0	63	63	0	71	71	0	198	198
	Delhi College of Arts & Commerce	25	10	35	17	9	26	18	8	26	60	27	87
	Deshbandhu College	67	26	93	37	24	61	45	27	72	149	77	226
	Dyal Singh College	32	19	51	23	13	36	27	8	35	82	40	122
	Gargi College (W)	0	55	55	0	43	43	0	50	50	0	148	148
	Hindu College	20	27	47	16	19	35	12	23	35	48	69	117
	Indraprastha College for Women	0	76	76	0	60	60	0	97	97	0	233	233
	Janki Devi Memorial College (W)	0	53	53	0	51	51	0	70	70	0	174	174
	Jesus & Mary College (W)	0	40	40	0	45	45	0	31	31	0	116	116
	Kalindi College (W)	0	71	71	0	88	88	0	68	68	0	227	227
	Kamala Nehru College (W)	0	60	60	0	55	55	0	56	56	0	171	171
	Kirori Mal College	25	14	39	14	12	26	20	7	27	59	33	92
	Lady Shri Ram College (W)	0	67	67	0	84	84	0	66	66	0	217	217

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Lakshmibai College (W)	0	96	96	0	68	68	0	68	68	0	232	232
Maitreyi College (W)	0	48	48	0	43	43	0	44	44	0	135	135
Mata Sundri College (W)	0	50	50	0	61	61	0	66	66	0	177	177
Miranda House (W)	0	41	41	0	43	43	0	35	35	0	119	119
Moti Lal Nehru College	14	14	28	7	13	20	18	10	28	39	37	76
PGDAV College	34	15	49	23	5	28	22	15	37	79	35	114
Rajdhani College	32	2	34	21	12	33	17	12	29	70	26	96
Ram Lal Anand College	32	13	45	30	12	42	27	3	30	89	28	117
Ramjas College	29	17	46	20	15	35	32	10	42	81	42	123
SGTB Khalsa College	28	17	45	28	19	47	25	12	37	81	48	129
Satyawati College	44	9	53	32	6	38	30	12	42	106	27	133
Shaheed Bhagat Singh College	24	8	32	21	5	26	10	8	18	55	21	76
Shivaji College	29	4	33	30	4	34	41	9	50	100	17	117
Shyam Lal College	24	10	34	10	22	32	18	16	34	52	48	100
Shyama Prasad Mukherji College (W)	0	65	65	0	51	51	0	47	47	0	163	163
Sri Aurobindo College	26	16	42	20	11	31	29	9	38	75	36	111
Sri Venkateswara College	20	14	34	15	8	23	10	18	28	45	40	85
Vivekananda College (W)	0	24	24	0	33	33	0	31	31	0	88	88
Zakir Husain College	36	29	65	23	21	44	40	24	64	99	74	173
Maharaja Agrasen Co-Ed. College	12	19	31	9	14	23	8	17	25	29	50	79
Sri Guru Nanak Dev Khalsa College	31	7	38	11	8	19	16	9	25	58	24	82
Sub-Total :	626	1156	1782	448	1095	1543	501	1103	1604	1575	3354	4929

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Deshbandhu College (Eve.)	40	5	45	17	9	26	29	5	34	86	19	105
Dyal Singh College (Eve.)	40	16	56	25	10	35	25	18	43	90	44	134
Moti Lal Nehru College (Eve.)	26	4	30	17	5	22	14	3	17	57	12	69
PGDAV College (Eve.)	25	11	36	15	6	21	17	6	23	57	23	80
Ram Lal Anand College (Eve.)	31	7	38	21	1	22	11	6	17	63	14	77
Satyawati College (Eve.)	39	3	42	15	6	21	12	7	19	66	16	82
Shaheed Bhagat Singh College (Eve.)	24	13	37	26	7	33	18	14	32	68	34	102
Shyam Lal College (Eve.)	24	9	33	20	4	24	23	5	28	67	18	85
Zakir Husain P.G. College (Eve.)	21	0	21	17	1	18	23	3	26	61	4	65
Sub-Total (Eve.) :	270	68	338	173	49	222	172	67	239	615	184	799
Total (Regular) :	896	1224	2120	621	1144	1765	673	1170	1843	2190	3538	5728
School of Open Learning	1101	1071	2172	740	946	1686	439	653	1092	2280	2670	4950
Total (Nonformal) :	1101	1071	2172	740	946	1686	439	653	1092	2280	2670	4950
Grand Total :	1997	2295	4292	1361	2090	3451	1112	1823	2935	4470	6208	10678

B.A. (Hons.) Sociology

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Hindu College	10	19	29	5	20	25	9	20	29	24	59	83
Janki Devi Memorial College (W)	0	25	25	0	29	29	0	25	25	0	79	79
Jesus & Mary College (W)	0	47	47	0	45	45	0	39	39	0	131	131
Kamala Nehru College (W)	0	32	32	0	32	32	0	0	0	0	64	64
Lady Shri Ram College (W)	0	25	25	0	22	22	0	25	25	0	72	72
Maitreyi College (W)	0	20	20	0	17	17	0	22	22	0	59	59
Miranda House (W)	0	35	35	0	31	31	0	31	31	0	97	97
Sri Venkateswara College	10	11	21	8	15	23	2	10	12	20	36	56
Total :	20	214	234	13	211	224	11	172	183	44	597	641

B.A. (Hons.) Social Work

Bhim Rao Ambedkar College	18	19	37	12	23	35	14	18	32	44	60	104
Aditi Mahavidyalaya (W)	0	32	32	0	24	24	0	22	22	0	78	78
Total :	18	51	69	12	47	59	14	40	54	44	138	182

B.A. (Hons.) Business Economics

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Bhim Rao Ambedkar College	28	16	44	25	13	38	13	22	35	66	51	117
College of Vocational Studies	29	14	43	22	12	34	21	13	34	72	39	111
Gargi College (W)	0	34	34	0	32	32	0	0	0	0	66	66
Lakshmibai College (W)	0	28	28	0	29	29	0	0	0	0	57	57
SGTB Khalsa College	29	19	48	23	15	38	0	0	0	52	34	86
Sri G. G. S. College of Commerce	27	23	50	18	21	39	28	20	48	73	64	137
Maharaja Agarsen Co-Ed. College	19	15	34	17	18	35	16	13	29	52	46	98
Sri Guru Nanak Dev Khalsa College	24	17	41	24	16	40	11	27	38	59	60	119
Sub-Total (Day) :	156	166	322	129	156	285	89	95	184	374	417	791
Ram Lal Anand College (Eve.)	21	25	46	31	5	36	21	14	35	73	44	117
Sub-Total (Eve.) :	21	25	46	31	5	36	21	14	35	73	44	117
Grand Total :	177	191	368	160	161	321	110	109	219	447	461	908

B.A. (Hons.) Mathematics

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
A.R.S.D. College	8	3	11	2	1	3	9	9	18	19	13	32
Daulat Ram College (W)	0	11	11	0	20	20	0	18	18	0	49	49
Deshbandhu College	11	3	14	5	5	10	12	5	17	28	13	41
Dyal Singh College	12	5	17	5	11	16	15	10	25	32	26	58
Hans Raj College	10	9	19	22	27	49	15	27	42	47	63	110
Hindu College	7	10	17	6	4	10	1	1	2	14	15	29
Indraprastha College for Women	0	32	32	0	24	24	0	35	35	0	91	91
Janki Devi Memorial College (W)	0	18	18	0	27	27	0	29	29	0	74	74
Jesus & Mary College (W)	0	31	31	0	32	32	0	28	28	0	91	91
Kamala Nehru College (W)	0	15	15	0	19	19	0	18	18	0	52	52
Kirori Mal College	13	4	17	6	2	8	6	2	8	25	8	33
Lady Shri Ram College (W)	0	27	27	0	45	45	0	25	25	0	97	97
Lakshmibai College (W)	0	18	18	0	20	20	0	26	26	0	64	64
Maitreyi College (W)	0	3	3	0	3	3	0	4	4	0	10	10
Mata Sundri College (W)	0	26	26	0	22	22	0	27	27	0	75	75
Miranda House (W)	0	23	23	0	33	33	0	15	15	0	71	71
Moti Lal Nehru College	20	3	23	12	11	23	7	8	15	39	22	61
PGDAV College	10	4	14	12	9	21	9	12	21	31	25	56
Rajdhani College	4	6	10	6	5	11	5	10	15	15	21	36
Ramjas College	4	0	4	7	2	9	13	11	24	24	13	37
SGTB Khalsa College	12	5	17	7	3	10	7	9	16	26	17	43

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Satyawati College	10	5	15	6	11	17	9	11	20	25	27	52
Shaheed Bhagat Singh College	20	17	37	8	9	17	8	13	21	36	39	75
Shivaji College	12	4	16	13	2	15	11	13	24	36	19	55
Shyama Prasad Mukherji College (W)	0	17	17	0	21	21	0	19	19	0	57	57
Sri Venkateswara College	12	9	21	10	16	26	8	20	28	30	45	75
St. Stephen's College	17	14	31	14	10	24	11	8	19	42	32	74
Vivekananda College (W)	0	24	24	0	24	24	0	22	22	0	70	70
Zakir Husain College	14	2	16	13	9	22	11	5	16	38	16	54
Sub-Total (Day) :	196	348	544	154	427	581	157	440	597	507	1215	1722
PGDAV College (Eve.)	5	5	10	10	10	20	19	4	23	34	19	53
Sub-Total (Eve.) :	5	5	10	10	10	20	19	4	23	34	19	53
Grand Total :	201	353	554	164	437	601	176	444	620	541	1234	1775

B.A. (Hons.) Music

Daulat Ram College (W)	0	8	8	0	2	2	0	2	2	0	12	12
Hindu College	3	5	8	4	2	6	0	4	4	7	11	18
Indraprastha College for Women	0	5	5	0	5	5	0	6	6	0	16	16
Miranda House (W)	0	12	12	0	6	6	0	9	9	0	27	27
Ramjas College	8	1	9	4	5	9	10	0	10	22	6	28
Total :	11	31	42	8	20	28	10	21	31	29	72	101

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	46	62	108	25	41	66	36	26	62	107	129	236
Acharya Narendra Dev College	23	31	54	15	17	32	26	17	43	64	65	129
Bharati College (W)	0	73	73	0	64	64	0	68	68	0	205	205
Bhim Rao Ambedkar College	47	38	85	22	40	62	31	28	59	100	106	206
College of Vocational Studies	25	15	40	25	12	37	24	21	45	74	48	122
Daulat Ram College (W)	0	88	88	0	66	66	0	97	97	0	251	251
Deen Dayal Upadhyaya College	67	44	111	29	22	51	46	42	88	142	108	250
Delhi College of Arts & Commerce	56	22	78	31	15	46	45	14	59	132	51	183
Deshbandhu College	36	7	43	19	10	29	34	5	39	89	22	111
Dyal Singh College	60	65	125	46	47	93	62	54	116	168	166	334
Gargi College (W)	0	76	76	0	107	107	0	74	74	0	257	257
Hans Raj College	96	63	159	79	64	143	83	70	153	258	197	455
Hindu College	23	30	53	26	32	58	24	21	45	73	83	156
Indraprastha College for Women	0	78	78	0	74	74	0	103	103	0	255	255
Janki Devi Memorial College (W)	0	87	87	0	62	62	0	70	70	0	219	219
Jesus & Mary College (W)	0	108	108	0	99	99	0	98	98	0	305	305
Kalindi College (W)	0	27	27	0	27	27	0	29	29	0	83	83
Kamala Nehru College (W)	0	27	27	0	52	52	0	33	33	0	112	112
Kirori Mal College	41	26	67	32	13	45	34	14	48	107	53	160
Lady Shri Ram College (W)	0	42	42	0	72	72	0	36	36	0	150	150
Lakshmibai College (W)	0	54	54	0	66	66	0	63	63	0	183	183

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Maitreyi College (W)	0	48	48	0	96	96	0	39	39	0	183	183
Mata Sundri College (W)	0	173	173	0	148	148	0	115	115	0	436	436
Moti Lal Nehru College	77	38	115	35	51	86	37	60	97	149	149	298
PGDAV College	81	48	129	59	28	87	42	52	94	182	128	310
Rajdhani College	77	29	106	59	65	124	45	19	64	181	113	294
Ram Lal Anand College	14	16	30	31	19	50	23	13	36	68	48	116
Ramjas College	60	43	103	35	18	53	41	11	52	136	72	208
SGTB Khalsa College	67	63	130	71	35	106	96	50	146	234	148	382
Satyawati College	66	69	135	27	42	69	74	24	98	167	135	302
Shaheed Bhagat Singh College	193	85	278	138	49	187	164	51	215	495	185	680
Shivaji College	58	4	62	48	5	53	65	5	70	171	14	185
Shyam Lal College	53	40	93	47	45	92	75	35	110	175	120	295
Shyama Prasad Mukherji College (W)	0	59	59	0	45	45	0	32	32	0	136	136
Sri Aurobindo College	25	17	42	25	11	36	39	12	51	89	40	129
Sri G. G. S. College of Commerce	97	110	207	94	84	178	117	71	188	308	265	573
Shri Ram College of Commerce	204	286	490	172	203	375	149	177	326	525	666	1191
Sri Venkateswara College	26	31	57	35	31	66	42	54	96	103	116	219
Swami Shraddhanand College	43	15	58	34	9	43	28	1	29	105	25	130
Vivekananda College (W)	0	27	27	0	15	15	0	35	35	0	77	77
Zakir Husain College	70	18	88	60	12	72	59	15	74	189	45	234
Keshav Mahavidyalaya	72	72	144	34	48	82	20	32	52	126	152	278

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Aditi Mahavidyalaya (W)	0	29	29	0	22	22	0	24	24	0	75	75
Maharaja Agrasen Co-Ed. College	46	55	101	35	46	81	40	31	71	121	132	253
Sri Guru Nanak Dev Khalsa College	68	35	103	40	39	79	46	35	81	154	109	263
Sub-Total (Day) :	1917	2473	4390	1428	2168	3596	1647	1976	3623	4992	6617	11609
Deshbandhu College (Eve.)	31	30	61	48	16	64	51	21	72	130	67	197
Dyal Singh College (Eve.)	31	17	48	40	18	58	36	20	56	107	55	162
Moti Lal Nehru College (Eve.)	22	6	28	66	25	91	33	5	38	121	36	157
PGDAV College (Eve.)	6	14	20	17	15	32	29	5	34	52	34	86
Ram Lal Anand College (Eve.)	22	1	23	22	2	24	30	1	31	74	4	78
Satyawati College (Eve.)	41	13	54	45	12	57	45	16	61	131	41	172
Shaheed Bhagat Singh College (Eve.)	11	12	23	11	20	31	13	17	30	35	49	84
Shyam Lal College (Eve.)	40	9	49	21	2	23	18	6	24	79	17	96
Sri Aurobindo College (Eve.)	29	4	33	21	3	24	17	5	22	67	12	79
Zakir Husain P.G. College (Eve.)	50	0	50	30	4	34	33	0	33	113	4	117
Sub-Total (Eve.) :	283	106	389	321	117	438	305	96	401	909	319	1228
Total (Regular (Day+Eve.) :	2200	2579	4779	1749	2285	4034	1952	2072	4024	5901	6936	12837
School of Open Learning	3620	1925	5545	1087	807	1894	558	419	977	5265	3151	8416
Total (Nonformal) :	3620	1925	5545	1087	807	1894	558	419	977	5265	3151	8416
Grand Total :	5820	4504	10324	2836	3092	5928	2510	2491	5001	11166	10087	21253

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	85	43	128	73	27	100	43	30	73	201	100	301
Bharati College (W)	0	104	104	0	89	89	0	85	85	0	278	278
Bhim Rao Ambedkar College	63	75	138	71	97	168	54	49	103	188	221	409
Daulat Ram College (W)	0	70	70	0	40	40	0	54	54	0	164	164
Delhi College of Arts & Commerce	69	24	93	67	15	82	61	14	75	197	53	250
Dyal Singh College	90	59	149	69	55	124	88	37	125	247	151	398
Gargi College (W)	0	102	102	0	109	109	0	100	100	0	311	311
Janki Devi Memorial College (W)	0	60	60	0	47	47	0	51	51	0	158	158
Jesus & Mary College (W)	0	52	52	0	52	52	0	46	46	0	150	150
Kalindi College (W)	0	76	76	0	46	46	0	26	26	0	148	148
Kamala Nehru College (W)	0	96	96	0	84	84	0	71	71	0	251	251
Kirori Mal College	47	27	74	48	35	83	39	33	72	134	95	229
Lakshmibai College (W)	0	123	123	0	60	60	0	114	114	0	297	297
Maitreyi College (W)	0	59	59	0	83	83	0	48	48	0	190	190
Mata Sundri College (W)	0	261	261	0	205	205	0	152	152	0	618	618
Moti Lal Nehru College	117	27	144	75	29	104	58	55	113	250	111	361
PGDAV College	112	33	145	119	37	156	96	69	165	327	139	466
Ram Lal Anand College	22	15	37	44	26	70	31	11	42	97	52	149
Ramjas College	35	12	47	33	11	44	43	13	56	111	36	147
SGTB Khalsa College	43	17	60	46	19	65	42	14	56	131	50	181
Satyawati College	79	25	104	78	33	111	62	24	86	219	82	301
Shaheed Bhagat Singh College	96	28	124	111	16	127	60	15	75	267	59	326

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shivaji College	76	4	80	70	5	75	60	1	61	206	10	216
Shyam Lal College	69	35	104	54	29	83	68	21	89	191	85	276
Shyama Prasad Mukherji College (W)	0	101	101	0	111	111	0	103	103	0	315	315
Sri Aurobindo College	161	31	192	106	40	146	123	31	154	390	102	492
Sri G. G. S. College of Commerce	138	92	230	117	103	220	106	67	173	361	262	623
Sri Venkateswara College	38	28	66	34	24	58	34	26	60	106	78	184
Swami Shraddhanand College	226	40	266	163	23	186	129	22	151	518	85	603
Vivekananda College (W)	0	103	103	0	82	82	0	73	73	0	258	258
Zakir Husain College	55	4	59	50	8	58	45	12	57	150	24	174
Bhagini Nivedita College (W)	0	55	55	0	28	28	0	34	34	0	117	117
Aditi Mahavidyalaya (W)	0	33	33	0	36	36	0	0	0	0	69	69
Sri Guru Nanak Dev Khalsa College	151	39	190	130	68	198	129	59	188	410	166	576
Sub-Total (Day) :	1772	1953	3725	1558	1772	3330	1371	1560	2931	4701	5285	9986
Deshbandhu College (Eve.)	125	45	170	128	56	184	130	38	168	383	139	522
Dyal Singh College (Eve.)	76	33	109	78	23	101	79	25	104	233	81	314
Moti Lal Nehru College (Eve.)	39	20	59	86	17	103	28	11	39	153	48	201
PGDAV College (Eve.)	68	31	99	54	34	88	67	20	87	189	85	274
Ram Lal Anand College (Eve.)	94	14	108	73	11	84	74	7	81	241	32	273
Satyawati College (Eve.)	89	18	107	65	15	80	72	16	88	226	49	275
Shaheed Bhagat Singh College (Eve.)	159	80	239	117	64	181	146	65	211	422	209	631

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Shyam Lal College (Eve.)	144	18	162	107	18	125	66	14	80	317	50	367
Sri Aurobindo College (Eve.)	138	21	159	103	29	132	73	19	92	314	69	383
Zakir Husain P.G. College (Eve.)	106	9	115	86	11	97	85	5	90	277	25	302
Sub-Total (Eve.) :	1038	289	1327	897	278	1175	820	220	1040	2755	787	3542
Total Regular (Day+Eve.) :	2810	2242	5052	2455	2050	4505	2191	1780	3971	7456	6072	13528
External Candidate's Cell	0	0	0	1600	700	2300	979	604	1583	2579	1304	3883
Non-Collegiate Women's Edn. Board	0	1822	1822	0	1682	1682	0	1575	1575	0	5079	5079
School of Open Learning	22625	11751	34376	14054	9800	23854	14260	9400	23660	50939	30951	81890
Total (Nonformal) :	22625	13573	36198	15654	12182	27836	15239	11579	26818	53518	37334	90852
Grand Total :	25435	15815	41250	18109	14232	32341	17430	13359	30789	60974	43406	104380

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	67	68	135	68	44	112	56	43	99	191	155	346
Deen Dayal Upadhyaya College	23	9	32	21	7	28	0	0	0	44	16	60
Keshav Mahavidyalaya	17	13	30	13	9	22	0	0	0	30	22	52
Total :	107	90	197	102	60	162	56	43	99	265	193	458

Bachelor of Financial and Investment Analysis

Shaheed Sukhdev College of Business Studies	26	20	46	25	18	43	22	12	34	73	50	123
Total :	26	20	46	25	18	43	22	12	34	73	50	123

Bachelor of Mass Media & Mass Communication

Indraprastha College for Women	0	44	44	0	31	31	0	35	35	0	110	110
Total :	0	44	44	0	31	31	0	35	35	0	110	110

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	33	17	50	26	22	48	14	10	24	73	49	122
Acharya Narendra Dev College	29	9	38	18	5	23	15	14	29	62	28	90
Deen Dayal Upadhyaya College	20	24	44	16	24	40	11	16	27	47	64	111
Deshbandhu College	56	10	66	33	12	45	13	13	26	102	35	137
Dyal Singh College	75	35	110	35	27	62	20	38	58	130	100	230
Gargi College (W)	0	36	36	0	17	17	0	24	24	0	77	77
Hans Raj College	28	16	44	0	0	0	3	1	4	31	17	48
Hindu College	19	9	28	13	17	30	9	6	15	41	32	73
Kirori Mal College	34	16	50	18	7	25	17	7	24	69	30	99
Maitreyi College (W)	0	24	24	0	12	12	0	8	8	0	44	44
Moti Lal Nehru College	34	21	55	24	12	36	6	23	29	64	56	120
Rajdhani College	29	19	48	10	12	22	4	8	12	43	39	82
Ramjas College	89	36	125	41	24	65	20	12	32	150	72	222
SGTB Khalsa College	32	27	59	2	4	6	10	5	15	44	36	80
Sherbutse College (Bhutan)	0	0	0	23	15	38	23	2	25	46	17	63
Shivaji College	10	0	10	9	2	11	8	3	11	27	5	32
Shyam Lal College	57	50	107	49	50	99	18	34	52	124	134	258
Sri Aurobindo College	43	4	47	20	4	24	17	12	29	80	20	100
St. Stephen's College	9	9	18	14	6	20	6	4	10	29	19	48
Swami Shraddhanand College	21	15	36	9	11	20	20	9	29	50	35	85
Zakir Husain College	11	3	14	31	13	44	26	7	33	68	23	91
Total :	629	380	1009	391	296	687	260	256	516	1280	932	2212

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	12	21	33	9	6	15	6	16	22	27	43	70
Daulat Ram College (W)	0	52	52	0	15	15	0	26	26	0	93	93
Deen Dayal Upadhyaya College	11	49	60	11	40	51	10	33	43	32	122	154
Deshbandhu College	23	18	41	19	12	31	7	3	10	49	33	82
Dyal Singh College	21	28	49	11	36	47	9	21	30	41	85	126
Gargi College (W)	0	49	49	0	41	41	0	43	43	0	133	133
Hans Raj College	30	33	63	7	25	32	20	27	47	57	85	142
Kalindi College (W)	0	12	12	0	9	9	0	7	7	0	28	28
Kirori Mal College	15	16	31	11	14	25	5	3	8	31	33	64
Maitreyi College (W)	0	31	31	0	30	30	0	13	13	0	74	74
Miranda House (W)	0	21	21	0	17	17	0	20	20	0	58	58
Ramjas College	30	26	56	21	29	50	14	10	24	65	65	130
SGTB Khalsa College	17	21	38	11	14	25	5	13	18	33	48	81
Sherbutse College (Bhutan)	0	0	0	25	12	37	25	9	34	50	21	71
Shivaji College	40	35	75	19	20	39	17	14	31	76	69	145
Sri Aurobindo College	29	10	39	3	12	15	12	5	17	44	27	71
Sri Venkateswara College	23	50	73	18	17	35	11	15	26	52	82	134
Swami Shraddhanand College	25	14	39	23	21	44	15	12	27	63	47	110
Zakir Husain College	25	12	37	25	30	55	18	15	33	68	57	125
Total :	301	498	799	213	400	613	174	305	479	688	1203	1891

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	38	20	58	33	24	57	21	14	35	92	58	150
Acharya Narendra Dev College	29	7	36	10	4	14	7	11	18	46	22	68
Deen Dayal Upadhyaya College	24	24	48	20	17	37	9	20	29	53	61	114
Deshbandhu College	60	18	78	42	15	57	30	6	36	132	39	171
Dyal Singh College	24	24	48	18	16	34	14	13	27	56	53	109
Hans Raj College	26	7	33	12	7	19	19	17	36	57	31	88
Hindu College	23	5	28	11	5	16	13	11	24	47	21	68
Kalindi College (W)	0	13	13	0	15	15	0	10	10	0	38	38
Kirori Mal College	33	15	48	30	18	48	8	11	19	71	44	115
Miranda House (W)	0	25	25	0	17	17	0	13	13	0	55	55
Moti Lal Nehru College	15	20	35	8	12	20	5	7	12	28	39	67
Rajdhani College	46	19	65	35	22	57	30	21	51	111	62	173
Ramjas College	27	15	42	17	10	27	4	8	12	48	33	81
SGTB Khalsa College	16	12	28	8	3	11	5	9	14	29	24	53
Shivaji College	20	11	31	20	3	23	7	2	9	47	16	63
Shyam Lal College	12	12	24	7	4	11	6	6	12	25	22	47
St. Stephen's College	6	4	10	8	4	12	5	4	9	19	12	31
Bhagini Nivedita College (W)	0	23	23	0	13	13	0	0	0	0	36	36
Keshav Mahavidyalaya	15	16	31	2	6	8	4	8	12	21	30	51
Maharaja Agrasen Co-Ed. College	21	9	30	10	8	18	12	7	19	43	24	67
Total :	435	299	734	291	223	514	199	198	397	925	720	1645

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	11	16	27	6	8	14	5	11	16	22	35	57
Kalindi College (W)	0	9	9	0	9	9	0	9	9	0	27	27
Maitreyi College (W)	0	19	19	0	12	12	0	11	11	0	42	42
Ramjas College	10	23	33	11	20	31	6	10	16	27	53	80
Swami Shraddhanand College	3	3	6	12	10	22	7	7	14	22	20	42
Total :	24	70	94	29	59	88	18	48	66	71	177	248

18-S

B.Sc. (Genl.) Mathematics

PGDAV College	21	10	31	15	12	27	9	9	18	45	31	76
Keshav Mahavidyalaya	16	20	36	16	14	30	6	16	22	38	50	88
Maharaja Agrasen Co-Ed. College	22	9	31	14	15	29	12	13	25	48	37	85
Total :	59	39	98	45	41	86	27	38	65	131	118	249

B.Sc. (Home Science)

Institute of Home Economics (W)	0	169	169	0	114	114	0	116	116	0	399	399
Lady Irwin College (W)	0	185	185	0	138	138	0	146	146	0	469	469
Total :	0	354	354	0	252	252	0	262	262	0	868	868

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.	67	14	81	45	16	61	47	12	59	159	42	201
Total :	67	14	81	45	16	61	47	12	59	159	42	201

Becheloar of Elementary Education

S-82

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	30	30	0	19	19	0	21	21	0	22	22	0	0	0	0	92	92
Institute of Home Economics (W)	0	37	37	0	32	32	0	29	29	0	31	31	0	0	0	0	129	129
Jesus & Mary College (W)	0	34	34	0	30	30	0	29	29	0	36	36	0	0	0	0	129	129
Lady Shri Ram College (W)	0	27	27	0	19	19	0	22	22	0	18	18	0	0	0	0	86	86
Mata Sundri College (W)	0	40	40	0	35	35	0	0	0	0	0	0	0	0	0	0	75	75
Miranda House (W)	0	38	38	0	30	30	0	35	35	0	0	0	0	0	0	0	103	103
Shyama Prasad Mukherji College (W)	0	44	44	0	30	30	0	25	25	0	39	39	0	0	0	0	138	138
Aditi Mahavidyalaya (W)	0	45	45	0	26	26	0	31	31	0	29	29	0	0	0	0	131	131
Total :	0	295	295	0	221	221	0	192	192	0	175	175	0	0	0	0	883	883

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	130	88	218	75	39	114	54	35	89	0	0	0	259	162	421
Acharya Narendra Dev College	141	108	249	76	61	137	95	77	172	0	0	0	312	246	558
S.R.G. College of App. Scs.	0	62	62	0	46	46	0	49	49	0	0	0	0	157	157
S.S. College of Business St.	13	17	30	9	13	22	9	9	18	0	0	0	31	39	70
College of Vocational Studies	23	9	32	15	12	27	21	12	33	0	0	0	59	33	92
Daulat Ram College (W)	0	113	113	0	69	69	0	89	89	0	0	0	0	271	271
Deen Dayal Upadhyaya College	85	78	163	63	50	113	39	49	88	0	0	0	187	177	364
Deshbandhu College	146	61	207	61	58	119	48	40	88	0	0	0	255	159	414
Dyal Singh College	98	85	183	49	65	114	40	48	88	0	0	0	187	198	385
Gargi College (W)	0	137	137	0	95	95	0	95	95	0	0	0	0	327	327
Hans Raj College	253	169	422	114	116	230	104	145	249	0	0	0	471	430	901
Hindu College	110	112	222	68	88	156	63	72	135	0	0	0	241	272	513
Indraprastha College for Women	0	32	32	0	29	29	0	31	31	0	0	0	0	92	92
Institute of Home Economics (W)	0	59	59	0	64	64	0	72	72	0	0	0	0	195	195
Kalindi College (W)	0	84	84	0	61	61	0	68	68	0	0	0	0	213	213
Kirori Mal College	163	74	237	101	62	163	65	60	125	0	0	0	329	196	525
Lady Irwin College (W)	0	71	71	0	78	78	0	64	64	0	0	0	0	213	213
Lady Shri Ram College (W)	0	23	23	0	33	33	0	16	16	0	0	0	0	72	72
Maitreyi College (W)	0	108	108	0	49	49	0	46	46	0	0	0	0	203	203
Miranda House (W)	0	206	206	0	114	114	0	119	119	0	0	0	0	439	439
Moti Lal Nehru College	46	36	82	49	20	69	33	23	56	0	0	0	128	79	207
PGDAV College	39	21	60	25	12	37	21	32	53	0	0	0	85	65	150

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	52	52	0	44	44	0	45	45	0	45	45	0	186	186
Rajdhani College	83	33	116	35	36	71	31	47	78	0	0	0	149	116	265
Ram Lal Anand College	68	38	106	38	40	78	54	49	103	0	0	0	160	127	287
Ramjas College	183	80	263	86	76	162	84	48	132	0	0	0	353	204	557
S.G.T.B. Khalsa College	125	81	206	63	80	143	46	81	127	0	0	0	234	242	476
Shivaji College	105	69	174	55	44	99	42	51	93	0	0	0	202	164	366
Shyama Prasad Mukherji College (W)	0	36	36	0	24	24	0	29	29	0	0	0	0	89	89
Sri Aurobindo College	14	4	18	12	9	21	3	3	6	0	0	0	29	16	45
S.G. G. S. College of Commerce	16	31	47	12	20	32	20	22	42	0	0	0	48	73	121
Sri Venkateswara College	97	151	248	74	123	197	48	137	185	0	0	0	219	411	630
St. Stephen's College	29	50	79	43	48	91	35	42	77	0	0	0	107	140	247
Swami Shraddhanand College	30	25	55	34	24	58	15	12	27	0	0	0	79	61	140
Zakir Husain College	69	39	108	57	65	122	79	39	118	0	0	0	205	143	348
Keshav Mahavidyalaya	95	99	194	22	59	81	20	32	52	0	0	0	137	190	327
Maharaja Agrasen Co-Ed. College	14	6	20	7	8	15	11	5	16	0	0	0	32	19	51
Bhaskaracharya Col. of Appl. Scs.	38	80	118	34	51	85	27	35	62	0	0	0	99	166	265
Ahilya Bai College of Nursing	0	25	25	0	26	26	0	25	25	0	24	24	0	100	100
Total :	2213	2652	4865	1277	2011	3288	1107	1953	3060	0	69	69	4597	6685	11282

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	307	275	582	194	214	408	140	219	359	0	0	0	641	708	1349
Statistics	69	79	148	58	105	163	61	117	178	0	0	0	188	301	489
Computer Science	259	363	622	159	282	441	158	304	462	0	0	0	576	949	1525
Anthropology	4	3	7	5	3	8	8	12	20	0	0	0	17	18	35
Applied Zoology	13	15	28	4	11	15	4	11	15	0	0	0	21	37	58
Botany	177	312	489	105	238	343	93	187	280	0	0	0	375	737	1112
Chemistry	371	378	749	163	236	399	154	241	395	0	0	0	688	855	1543
Geology	44	23	67	16	4	20	23	14	37	0	0	0	83	41	124
Home Science	0	96	96	0	110	110	0	120	120	0	0	0	0	326	326
Nursing	0	77	77	0	70	70	0	70	70	0	69	69	0	286	286
Physics	549	402	951	306	245	551	229	221	450	0	0	0	1084	868	1952
Zoology	163	321	484	104	224	328	81	193	274	0	0	0	348	738	1086
Polymer Science	10	10	20	14	9	23	13	8	21	0	0	0	37	27	64
Bio-Chemistry	15	54	69	10	56	66	9	52	61	0	0	0	34	162	196
Electronics	184	91	275	102	64	166	99	73	172	0	0	0	385	228	613
Microbiology	21	71	92	12	78	90	12	43	55	0	0	0	45	192	237
Bio-Medical Sciences	21	70	91	18	45	63	23	43	66	0	0	0	62	158	220
Biological Science	6	12	18	7	17	24	0	25	25	0	0	0	13	54	67
Total :	2213	2652	4865	1277	2011	3288	1107	1953	3060	0	69	69	4597	6685	11282

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	32	22	54	11	7	18	12	7	19	55	36	91
Acharya Narendra Dev College	15	15	30	11	14	25	12	15	27	38	44	82
Daulat Ram College (W)	0	18	18	0	8	8	0	18	18	0	44	44
Deen Dayal Upadhyaya College	23	24	47	17	17	34	12	13	25	52	54	106
Deshbandhu College	39	7	46	10	5	15	13	5	18	62	17	79
Dyal Singh College	21	21	42	23	21	44	8	10	18	52	52	104
Hans Raj College	12	10	22	6	7	13	2	14	16	20	31	51
Hindu College	16	11	27	11	13	24	4	11	15	31	35	66
Kalindi College (W)	0	16	16	0	8	8	0	16	16	0	40	40
Kirori Mal College	6	8	14	7	8	15	7	7	14	20	23	43
Maitreyi College (W)	0	24	24	0	15	15	0	14	14	0	53	53
Miranda House (W)	0	27	27	0	17	17	0	22	22	0	66	66
Moti Lal Nehru College	9	5	14	13	2	15	5	6	11	27	13	40
Rajdhani College	12	13	25	7	10	17	6	11	17	25	34	59
Ramjas College	29	6	35	11	8	19	12	11	23	52	25	77
SGTB Khalsa College	11	2	13	8	13	21	6	8	14	25	23	48
Shivaji College	32	8	40	22	7	29	14	5	19	68	20	88
Sri Venkateswara College	15	6	21	8	9	17	8	12	20	31	27	58
St. Stephen's College	9	11	20	12	8	20	8	10	18	29	29	58
Zakir Husain College	8	3	11	14	4	18	11	4	15	33	11	44
Keshav Mahavidyalaya	18	18	36	3	13	16	0	0	0	21	31	52
Total :	307	275	582	194	214	408	140	219	359	641	708	1349

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	8	10	18	6	11	17	13	14	27	27	35	62
Kirori Mal College	17	9	26	11	13	24	6	18	24	34	40	74
Lady Shri Ram College (W)	0	23	23	0	33	33	0	16	16	0	72	72
P.G.D.A.V College	14	6	20	11	5	16	10	19	29	35	30	65
Ram Lal Anand College	8	6	14	9	15	24	20	11	31	37	32	69
Ramjas College	17	12	29	11	11	22	5	15	20	33	38	71
Sri Venkateswara College	5	13	18	10	17	27	7	24	31	22	54	76
Total :	69	79	148	58	105	163	61	117	178	188	301	489

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	18	15	33	22	15	37	13	11	24	53	41	94
Acharya Narendra Dev College	37	16	53	21	8	29	17	16	33	75	40	115
S. R. G. College of Applied Sciences	0	35	35	0	29	29	0	31	31	0	95	95
S. S. College of Business Studies	13	17	30	9	13	22	9	9	18	31	39	70
College of Vocational Studies	23	9	32	15	12	27	21	12	33	59	33	92
Deen Dayal Upadhyaya College	15	23	38	13	15	28	12	18	30	40	56	96
Hans Raj College	26	15	41	13	19	32	14	19	33	53	53	106
Indraprastha College for Women	0	32	32	0	29	29	0	31	31	0	92	92
Kalindi College (W)	0	44	44	0	40	40	0	32	32	0	116	116
PGDAV College	25	15	40	14	7	21	11	13	24	50	35	85
Ram Lal Anand College	39	12	51	24	12	36	22	23	45	85	47	132
Shyama Prasad Mukherji College (W)	0	36	36	0	24	24	0	29	29	0	89	89
S.G.G. S. College of Commerce	16	31	47	12	20	32	20	22	42	48	73	121
Keshav Mahavidyalaya	39	45	84	10	30	40	13	24	37	62	99	161
Bhaskaracharya College of Applied Scs.	8	18	26	6	9	15	6	14	20	20	41	61
Total :	259	363	622	159	282	441	158	304	462	576	949	1525

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	4	3	7	5	3	8	8	12	20	17	18	35
Total :	4	3	7	5	3	8	8	12	20	17	18	35

B.Sc. (Hons.) Applied Zoology

Dyal Singh College	13	15	28	4	11	15	4	11	15	21	37	58
Total :	13	15	28	4	11	15	4	11	15	21	37	58

B.Sc. (Hons.) Botany

Acharya Narendra Dev College	14	15	29	6	4	10	7	5	12	27	24	51
Daulat Ram College (W)	0	36	36	0	19	19	0	24	24	0	79	79
Deshbandhu College	25	17	42	6	17	23	7	6	13	38	40	78
Dyal Singh College	11	18	29	4	9	13	2	12	14	17	39	56
Gargi College (W)	0	38	38	0	16	16	0	27	27	0	81	81
Hans Raj College	23	36	59	17	29	46	17	17	34	57	82	139
Hindu College	17	19	36	5	15	20	10	6	16	32	40	72
Kirori Mal College	9	8	17	15	11	26	9	8	17	33	27	60
Maitreyi College (W)	0	20	20	0	14	14	0	6	6	0	40	40
Miranda House (W)	0	28	28	0	16	16	0	14	14	0	58	58
Ramjas College	19	12	31	9	17	26	14	7	21	42	36	78

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
SGTB Khalsa College	20	22	42	11	21	32	8	17	25	39	60	99
Shivaji College	11	21	32	5	11	16	1	13	14	17	45	62
Sri Venkateswara College	9	11	20	3	13	16	2	8	10	14	32	46
Swami Shraddhanand College	6	3	9	15	8	23	4	2	6	25	13	38
Zakir Husain College	13	8	21	9	18	27	12	15	27	34	41	75
Total :	177	312	489	105	238	343	93	187	280	375	737	1112

B.Sc.(Hons.) Chemistry

A.R.S.D. College	24	31	55	14	8	22	5	12	17	43	51	94
Acharya Narendra Dev College	17	9	26	3	8	11	4	5	9	24	22	46
Daulat Ram College (W)	0	17	17	0	6	6	0	12	12	0	35	35
Deshbandhu College	20	5	25	7	5	12	6	3	9	33	13	46
Dyal Singh College	14	18	32	6	13	19	7	8	15	27	39	66
Gargi College (W)	0	18	18	0	18	18	0	17	17	0	53	53
Hans Raj College	54	25	79	14	14	28	11	22	33	79	61	140
Hindu College	23	25	48	13	20	33	12	14	26	48	59	107
Kirori Mal College	62	26	88	26	16	42	18	13	31	106	55	161
Maitreyi College (W)	0	16	16	0	2	2	0	8	8	0	26	26
Miranda House (W)	0	57	57	0	22	22	0	27	27	0	106	106
Moti Lal Nehru College	13	11	24	8	6	14	9	11	20	30	28	58
Rajdhani College	19	12	31	6	14	20	8	25	33	33	51	84

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Ramjas College	39	26	65	16	18	34	19	5	24	74	49	123
SGTB Khalsa College	22	13	35	5	6	11	5	13	18	32	32	64
Shivaji College	18	5	23	5	2	7	5	6	11	28	13	41
Sri Venkateswara College	19	36	55	12	19	31	7	13	20	38	68	106
St. Stephen's College	9	18	27	12	21	33	9	20	29	30	59	89
Zakir Husain College	18	10	28	16	18	34	29	7	36	63	35	98
Total :	371	378	749	163	236	399	154	241	395	688	855	1543

16-S

B.Sc. (Hons.) Geology

Hans Raj College	31	12	43	16	4	20	17	7	24	64	23	87
Ram Lal Anand College	13	11	24	0	0	0	6	7	13	19	18	37
Total :	44	23	67	16	4	20	23	14	37	83	41	124

B.Sc. (Hons.) Home Science

Institute of Home Economics (W)	0	25	25	0	32	32	0	56	56	0	113	113
Lady Irwin College (W)	0	71	71	0	78	78	0	64	64	0	213	213
Total :	0	96	96	0	110	110	0	120	120	0	326	326

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	52	52	0	44	44	0	45	45	0	45	45	0	186	186
Ahilya Bai Col. of Nursing	0	25	25	0	26	26	0	25	25	0	24	24	0	100	100
Total :	0	77	77	0	70	70	0	70	70	0	69	69	0	286	286

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	40	12	52	18	9	27	12	3	15	70	24	94
Acharya Narendra Dev College	14	10	24	9	5	14	20	9	29	43	24	67
Deen Dayal Upadhyaya College	25	20	45	21	11	32	10	10	20	56	41	97
Deshbandhu College	38	4	42	27	9	36	10	2	12	75	15	90
Dyal Singh College	39	13	52	12	11	23	19	7	26	70	31	101
Gargi College (W)	0	24	24	0	13	13	0	12	12	0	49	49
Hans Raj College	51	29	80	19	13	32	20	21	41	90	63	153
Hindu College	35	27	62	23	19	42	14	14	28	72	60	132
Kalindi College (W)	0	24	24	0	13	13	0	20	20	0	57	57
Kirori Mal College	54	10	64	36	7	43	17	10	27	107	27	134
Maitreyi College (W)	0	31	31	0	9	9	0	13	13	0	53	53
Miranda House (W)	0	60	60	0	32	32	0	36	36	0	128	128

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Moti Lal Nehru College	24	20	44	28	12	40	19	6	25	71	38	109
Rajdhani College	38	4	42	13	8	21	10	5	15	61	17	78
Ramjas College	61	11	72	24	9	33	22	6	28	107	26	133
SGTB Khalsa College	43	18	61	17	17	34	15	14	29	75	49	124
Shivaji College	28	13	41	17	4	21	13	7	20	58	24	82
Sri Venkateswara College	16	17	33	9	13	22	7	10	17	32	40	72
St. Stephen's College	11	21	32	19	19	38	18	12	30	48	52	100
Swami Shraddhanand College	11	6	17	8	3	11	3	4	7	22	13	35
Keshav Mahavidyalaya	12	17	29	3	7	10	0	0	0	15	24	39
Bhaskaracharya College of Applied Scs.	9	11	20	3	2	5	0	0	0	12	13	25
Total :	549	402	951	306	245	551	229	221	450	1084	868	1952

B.Sc. (Hons.) Zoology

Acharya Narendra Dev College	14	22	36	6	7	13	6	8	14	26	37	63
Daulat Ram College (W)	0	29	29	0	22	22	0	18	18	0	69	69
Deshbandhu College	17	23	40	8	13	21	8	13	21	33	49	82
Gargi College (W)	0	38	38	0	28	28	0	22	22	0	88	88
Hans Raj College	28	31	59	16	21	37	5	21	26	49	73	122
Hindu College	11	20	31	10	10	20	10	13	23	31	43	74
Kirori Mal College	15	13	28	6	7	13	8	4	12	29	24	53
Maitreyi College (W)	0	17	17	0	9	9	0	5	5	0	31	31

College	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Miranda House (W)	0	34	34	0	27	27	0	20	20	0	81	81
Ramjas College	18	13	31	15	13	28	12	4	16	45	30	75
SGTB Khalsa College	18	17	35	16	16	32	9	18	27	43	51	94
Shivaji College	12	15	27	2	8	10	6	9	15	20	32	52
Sri Venkateswara College	9	25	34	8	18	26	5	21	26	22	64	86
Swami Shraddhanand College	6	10	16	6	5	11	2	4	6	14	19	33
Zakir Husain College	15	14	29	11	20	31	10	13	23	36	47	83
Total :	163	321	484	104	224	328	81	193	274	348	738	1086

B.Sc. (Hons.) Polymer Science

Bhaskaracharya College of Applied Scs.	10	10	20	14	9	23	13	8	21	37	27	64
Total :	10	10	20	14	9	23	13	8	21	37	27	64

B.Sc. (Hons.) Bio-Chemistry

Daulat Ram College (W)	0	13	13	0	14	14	0	17	17	0	44	44
Deshbandhu College	7	5	12	3	9	12	4	11	15	14	25	39
Institute of Home Economics (W)	0	11	11	0	9	9	0	0	0	0	20	20
Shivaji College	4	7	11	4	12	16	3	11	14	11	30	41
Sri Venkateswara College	4	18	22	3	12	15	2	13	15	9	43	52
Total :	15	54	69	10	56	66	9	52	61	34	162	196

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	16	8	24	10	0	10	12	2	14	38	10	48
Acharya Narendra Dev College	14	5	19	11	4	15	14	7	21	39	16	55
Deen Dayal Upadhyaya College	22	11	33	12	7	19	5	8	13	39	26	65
Hans Raj College	24	8	32	8	6	14	10	12	22	42	26	68
Rajdhani College	14	4	18	9	4	13	7	6	13	30	14	44
SGTB Khalsa College	11	9	20	6	7	13	3	11	14	20	27	47
Sri Aurobindo College	14	4	18	12	9	21	3	3	6	29	16	45
Sri Venkateswara College	14	13	27	14	5	19	10	11	21	38	29	67
Zakir Husain College	15	4	19	7	5	12	17	0	17	39	9	48
Keshav Mahavidyalaya	26	19	45	6	9	15	7	8	15	39	36	75
Maharaja Agrasen Co-Ed. College	14	6	20	7	8	15	11	5	16	32	19	51
Total :	184	91	275	102	64	166	99	73	172	385	228	613

B.Sc. (Hons.) Microbiology

Gargi College (W)	0	19	19	0	20	20	0	17	17	0	56	56
Institute of Home Economics (W)	0	23	23	0	23	23	0	16	16	0	62	62
Ram Lal Anand College	8	9	17	5	13	18	6	8	14	19	30	49
Swami Shraddhanand College	7	6	13	5	8	13	6	2	8	18	16	34
Bhaskaracharya College of Applied Sciences	6	14	20	2	14	16	0	0	0	8	28	36
Total :	21	71	92	12	78	90	12	43	55	45	192	237

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	16	32	9	11	20	15	12	27	40	39	79
S. R. G. College of Applied Sciences	0	27	27	0	17	17	0	18	18	0	62	62
Bhaskaracharya College of Applied Scs.	5	27	32	9	17	26	8	13	21	22	57	79
Total :	21	70	91	18	45	63	23	43	66	62	158	220

B.Sc. (Hons.) Biological Science

Sri Venkateswara College	6	12	18	7	17	24	0	25	25	13	54	67
Total :	6	12	18	7	17	24	0	25	25	13	54	67

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.	11	9	20	5	11	16	8	11	19	6	13	19	8	8	16	38	52	90
Total :	11	9	20	5	11	16	8	11	19	6	13	19	8	8	16	38	52	90

Bachelor of Occupational Therapy

Pt. D. D. Instt. for Phy.	11	31	42	4	31	35	13	22	35	9	21	30	11	15	26	48	120	168
Total :	11	31	42	4	31	35	13	22	35	9	21	30	11	15	26	48	120	168

Bachelor of Physiotherapy

Amar Jyoti Instt. of Phy.	1	29	30	5	24	29	6	15	21	9	14	23	9	15	24	30	97	127
Pt. D. D. Instt. for Phy.	12	29	41	11	23	34	12	23	35	10	21	31	22	20	42	67	116	183
Total :	13	58	71	16	47	63	18	38	56	19	35	54	31	35	66	97	213	310

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	23	23	0	17	17	0	20	20	0	60	60
Bhaskaracharya College of Applied Scs.	12	5	17	3	5	8	8	3	11	23	13	36
Total :	12	28	40	3	22	25	8	23	31	23	73	96

Bachelor of Applied Sc. (Hons.) - Food Technology

Shaheed Raj Guru College of Applied Scs.	0	25	25	0	24	24	0	20	20	0	69	69
Bhaskaracharya College of Applied Scs.	8	26	34	4	15	19	7	23	30	19	64	83
Total :	8	51	59	4	39	43	7	43	50	19	133	152

Bachelor of Applied Sc. (Hons.) - Instrumentation

Shaheed Raj Guru College of Applied Scs.	0	24	24	0	19	19	0	29	29	0	72	72
Bhaskaracharya College of Applied Scs.	7	4	11	8	5	13	8	13	21	23	22	45
Total :	7	28	35	8	24	32	8	42	50	23	94	117

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.	16	47	63	28	44	72	25	41	66	27	48	75	96	180	276
Total :	16	47	63	28	44	72	25	41	66	27	48	75	96	180	276

B.Sc. (Medical Tech.) - Radiography

UCMS & GTB Hospital	3	7	10	4	6	10	0	0	0	0	0	0	7	13	20
Total :	3	7	10	4	6	10	0	0	0	0	0	0	7	13	20

Bachelor of Fine Art

College of Art	58	72	130	66	73	139	46	58	104	47	57	104	217	260	477
Total :	58	72	130	66	73	139	46	58	104	47	57	104	217	260	477

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	6	29	35	15	27	42	13	26	39	12	27	39	9	25	34	55	134	189
Total:	6	29	35	15	27	42	13	26	39	12	27	39	9	25	34	55	134	189

Bachelor of Unani Medicine & Surgery (B.U.M.S.)

A & U Tibbia College	9	32	41	13	27	40	15	24	39	16	23	39	17	22	39	70	128	198
Total :	9	32	41	13	27	40	15	24	39	16	23	39	17	22	39	70	128	198

Bachelor of Homoeopathic System of Medicine and Surgery (B.H.M.S.)

N.H. Med. Col. & Hospt.	15	84	99	16	77	93	15	76	91	18	72	90	9	37	46	73	346	419
Total :	15	84	99	16	77	93	15	76	91	18	72	90	9	37	46	73	346	419

Bachelor of Medicine and Bachelor of Surgery (M.B.B.S.)

L.H.M. College (W)	0	152	152	0	134	134	0	136	136	0	135	135	0	133	133	0	690	690
M. A. M. College	125	55	180	146	33	179	129	50	179	99	78	177	108	12	120	607	228	835
U.C.M.S. & G.T.B. Hosp.	83	17	100	89	11	100	97	3	100	91	6	97	85	24	109	445	61	506
Total :	208	224	432	235	178	413	226	189	415	190	219	409	193	169	362	1052	979	2031

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

Bachelor of Dental Surgery (B.D.S.)

M.A.M.C.	14	18	32	21	16	37	10	28	38	15	7	22	6	9	15	66	78	144
Total :	14	18	32	21	16	37	10	28	38	15	7	22	6	9	15	66	78	144

Bachelor of Engineering (Combined) (B.E.)

D.C. E.	552	107	659	565	101	666	579	91	670	500	25	525	2196	324	2520
N.S. Intstt. of Tech.	409	92	501	402	100	502	425	77	502	301	60	361	1537	329	1866
Total :	961	199	1160	967	201	1168	1004	168	1172	801	85	886	3733	653	4386

Bachelor of Technology (Combined) Part-time

D.C.E.	118	2	120	119	1	120	118	1	119	116	4	120	471	8	479
Total :	118	2	120	119	1	120	118	1	119	116	4	120	471	8	479

Bachelor of Library and Information Science (B.Lib.Sc.)

Department	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Library & Information Science	12	38	50	0	0	0	0	0	0	12	38	50
Total :	12	38	50	0	0	0	0	0	0	12	38	50

Master of Library & Information Science (M.Lib.Sc.)

Library & Informatin Science	14	22	36	0	0	0	0	0	0	14	22	36
Total :	14	22	36	0	0	0	0	0	0	14	22	36

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	18	18	36	17	16	33	35	34	69
Bharati College (W)	0	9	9	0	1	1	0	10	10
Daulat Ram College (W)	0	109	109	0	91	91	0	200	200
Deshbandhu College	10	5	15	1	1	2	11	6	17
Gargi College (W)	0	16	16	0	5	5	0	21	21
Hans Raj College	45	54	99	35	57	92	80	111	191
Hindu College	61	63	124	46	65	111	107	128	235
Indraprastha College for Women	0	126	126	0	83	83	0	209	209
Janki Devi Memorial College (W)	0	46	46	0	19	19	0	65	65

College	I Year			II Year			Total		
	M	F	T	M	F	T	M	F	T
Jesus & Mary College (W)	0	27	27	0	16	16	0	43	43
Kalindi College (W)	0	9	9	0	4	4	0	13	13
Kamala Nehru College (W)	0	32	32	0	14	14	0	46	46
Kirori Mal College	48	36	84	57	50	107	105	86	191
Lady Shri Ram College (W)	0	64	64	0	50	50	0	114	114
Lakshmibai College (W)	0	17	17	0	8	8	0	25	25
Maitreyi College (W)	0	15	15	0	10	10	0	25	25
Mata Sundri College (W)	0	18	18	0	10	10	0	28	28
Miranda House (W)	0	92	92	0	87	87	0	179	179
Moti Lal Nehru College	9	1	10	9	5	14	18	6	24
PGDAV College	7	8	15	2	1	3	9	9	18
Rajdhani College	16	7	23	5	3	8	21	10	31
Ram Lal Anand College	5	7	12	1	4	5	6	11	17
Ramjas College	76	36	112	33	46	79	109	82	191
SGTB Khalsa College	20	11	31	5	11	16	25	22	47
Satyawati Co-Ed. College	13	4	17	11	1	12	24	5	29
Shivaji College	27	2	29	3	3	6	30	5	35
Shyam Lal College	3	6	9	2	2	4	5	8	13
Shyama Prasad Mukherji College (W)	0	15	15	0	13	13	0	28	28
Sri Aurobindo College	4	4	8	0	0	0	4	4	8
Sri Venkateswara College	22	20	42	12	33	45	34	53	87
St. Stephen's College	19	40	59	14	30	44	33	70	103
Swami Shraddhanand College	6	0	6	5	2	7	11	2	13

College	I Year			II Year			Total		
	M	F	T	M	F	T	M	F	T
Vivekananda College (W)	0	8	8	0	14	14	0	22	22
Zakir Husain College	85	14	99	64	13	77	149	27	176
Sri Guru Nanak Dev Khalsa College	2	5	7	2	4	6	4	9	13
Sub-Total (Day) :	496	944	1440	324	772	1096	820	1716	2536
Zakir Husain P.G. College (Eve.)	2	4	6	0	2	2	2	6	8
Sub-Total (Eve.) :	2	4	6	0	2	2	2	6	8
Total (College) :	498	948	1446	324	774	1098	822	1722	2544
<i>Department</i>									
Buddhist Studies	46	13	59	24	12	36	70	25	95
Linguistics	20	12	32	13	19	32	33	31	64
Germanic & Romance Studies	19	41	60	9	37	46	28	78	106
MIL & Literary Studies	13	5	18	10	2	12	23	7	30
Persian	1	1	2	2	0	2	3	1	4
Philosophy (SDC)	6	0	6	0	0	0	6	0	6
Psychology (SDC)	1	23	24	0	18	18	1	41	42
Urdu	12	9	21	9	9	18	21	18	39
Slavonic & Finno-Ugrian Studies	4	3	7	3	3	6	7	6	13
East Asian Studies	17	19	36	0	2	2	17	21	38
Economics	67	59	126	31	54	85	98	113	211
Geography	25	27	52	22	21	43	47	48	95

	I Year			II Year			Total		
	M	F	T	M	F	T	M	F	T
History (SDC)	15	8	23	10	13	23	25	21	46
Social Work	20	11	31	21	37	58	41	48	89
Sociology	13	48	61	4	46	50	17	94	111
School of Environmental Studies	8	7	15	5	8	13	13	15	28
Sub-Total :	287	286	573	163	281	444	450	567	1017
Total (Deptt.) :	785	1234	2019	487	1055	1542	1272	2289	3561
External Candidate's Cell	0	0	0	15	38	53	15	38	53
Non-Collegiate Women's Edn. Board	0	166	166	0	251	251	0	417	417
School of Open Learning	148	414	562	139	540	679	287	954	1241
Total (Nonformal) :	148	580	728	154	829	983	302	1409	1711
Grand Total :	933	1814	2747	641	1884	2525	1574	3698	5272

Master of Arts (M.A.) Course-wise

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Applied Psychology	1	23	24	0	18	18	1	41	42
Arabic	16	0	16	22	2	24	38	2	40
Bengali	12	4	16	10	3	13	22	7	29
Buddhist Studies	46	13	59	24	12	36	70	25	95
English	38	170	208	24	143	167	62	313	375
French	6	13	19	2	12	14	8	25	33
German	3	15	18	3	10	13	6	25	31
Hindi	98	167	265	67	146	213	165	313	478
Linguistics	20	12	32	13	19	32	33	31	64
Persian	2	1	3	2	0	2	4	1	5
Philosophy	28	69	97	1	19	20	29	88	117
Psychology	4	66	70	9	61	70	13	127	140
Punjabi	4	9	13	2	13	15	6	22	28
Sanskrit	62	64	126	34	62	96	96	126	222
Hispanic	8	8	16	3	8	11	11	16	27
Urdu	15	11	26	16	11	27	31	22	53
Comparative Indian Literature	1	2	3	0	1	1	1	3	4
Italian	2	5	7	1	7	8	3	12	15
Economics	67	59	126	31	54	85	98	113	211
Geography	25	27	52	22	21	43	47	48	95
History	119	114	233	79	105	184	198	219	417
Political Science	103	156	259	67	130	197	170	286	456

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Social Work	20	11	31	21	37	58	41	48	89
Sociology	13	48	61	4	46	50	17	94	111
Japanese	9	5	14	0	2	2	9	7	16
East Asian Studies	8	14	22	0	0	0	8	14	22
Mathematics	23	110	133	12	77	89	35	187	222
Statistics	0	6	6	0	0	0	0	6	6
Operational Research	0	1	1	0	0	0	0	1	1
Environmental Studies	8	7	15	5	8	13	13	15	28
Music	20	21	41	10	25	35	30	46	76
Russian	4	3	7	3	3	6	7	6	13
Total :	785	1234	2019	487	1055	1542	1272	2289	3561

M.A. (Applied Psychology)

Deptt. of Psychology (SDC)	1	23	24	0	18	18	1	41	42
Total :	1	23	24	0	18	18	1	41	42

M.A. (Arabic)

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Zakir Husain College	16	0	16	22	2	24	38	2	40
Total :	16	0	16	22	2	24	38	2	40

M.A. (Bengali)

Miranda House (W)	0	1	1	0	2	2	0	3	3
Total :	0	1	1	0	2	2	0	3	3

Department

MIL & Literary Studies	12	3	15	10	1	11	22	4	26
Total :	12	3	15	10	1	11	22	4	26
Grand Total :	12	4	16	10	3	13	22	7	29

M.A. (Buddhist Studies)

Buddhist Studies	46	13	59	24	12	36	70	25	95
Total :	46	13	59	24	12	36	70	25	95

M.A. (English)

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
A.R.S.D. College	2	2	4	3	0	3	5	2	7
Daulat Ram College (W)	0	12	12	0	10	10	0	22	22
Deshbandhu College	1	0	1	0	1	1	1	1	2
Gargi College (W)	0	9	9	0	5	5	0	14	14
Hans Raj College	2	20	22	1	18	19	3	38	41
Hindu College	9	12	21	3	10	13	12	22	34
Indraprastha College for Women	0	12	12	0	13	13	0	25	25
Janki Devi Memorial College (W)	0	1	1	0	2	2	0	3	3
Jesus & Mary College (W)	0	15	15	0	13	13	0	28	28
Kamala Nehru College (W)	0	6	6	0	1	1	0	7	7
Kirori Mal College	5	7	12	6	11	17	11	18	29
Lady Shri Ram College (W)	0	22	22	0	10	10	0	32	32
Miranda House (W)	0	20	20	0	19	19	0	39	39
Rajdhani College	1	3	4	0	0	0	1	3	4
Ramjas College	4	7	11	2	8	10	6	15	21
SGTB Khalsa College	2	3	5	0	2	2	2	5	7
Sri Venkateswara College	4	8	12	4	9	13	8	17	25
St. Stephen's College	3	11	14	2	10	12	5	21	26
Zakir Husain College	5	0	5	3	1	4	8	1	9
Total :	38	170	208	24	143	167	62	313	375
Non-Collegiate Women's Edn. Board	0	34	34	0	50	50	0	84	84
Total (Nonformal) :	0	34	34	0	50	50	0	84	84
Grand Total :	38	204	242	24	193	217	62	397	459

M.A. (French)

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Germanic & Romance Studies	6	13	19	2	12	14	8	25	33
Total :	6	13	19	2	12	14	8	25	33

M.A. (German)

Germanic & Romance Studies	3	15	18	3	10	13	6	25	31
Total :	3	15	18	3	10	13	6	25	31

M.A. (Hindi)**Colleges**

A.R.S.D. College	2	14	16	6	9	15	8	23	31
Bharati College (W)	0	9	9	0	1	1	0	10	10
Daulat Ram College (W)	0	13	13	0	15	15	0	28	28
Deshbandhu College	5	1	6	1	0	1	6	1	7
Hans Raj College	12	6	18	11	10	21	23	16	39
Hindu College	8	9	17	12	10	22	20	19	39
Indraprastha College for Women	0	7	7	0	4	4	0	11	11
Janki Devi Memorial College (W)	0	6	6	0	5	5	0	11	11
Jesus & Mary College (W)	0	12	12	0	3	3	0	15	15
Kalindi College (W)	0	5	5	0	1	1	0	6	6
Kamala Nehru College (W)	0	6	6	0	3	3	0	9	9
Kirori Mal College	17	6	23	11	12	23	28	18	46
Lady Shri Ram College (W)	0	5	5	0	8	8	0	13	13
Mata Sundri College (W)	0	5	5	0	1	1	0	6	6
Miranda House (W)	0	14	14	0	20	20	0	34	34
Moti Lal Nehru College	3	1	4	2	4	6	5	5	10

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
PGDAV College	1	5	6	0	1	1	1	6	7
Rajdhani College	5	1	6	3	2	5	8	3	11
Ram Lal Anand College	5	7	12	1	4	5	6	11	17
Ramjas College	8	3	11	3	12	15	11	15	26
SGTB Khalsa College	2	3	5	2	3	5	4	6	10
Shivaji College	12	1	13	1	1	2	13	2	15
Shyam Lal College	3	6	9	2	2	4	5	8	13
Shyama Prasad Mukherji College (W)	0	6	6	0	3	3	0	9	9
Sri Aurobindo College	4	4	8	0	0	0	4	4	8
Swami Shraddhanand College	6	0	6	5	2	7	11	2	13
Vivekananda College (W)	0	7	7	0	8	8	0	15	15
Zakir Husain College	3	1	4	7	0	7	10	1	11
Sub-Total (Day) :	96	163	259	67	144	211	163	307	470
Zakir Husain P.G. College (Eve.)	2	4	6	0	2	2	2	6	8
Sub-Total (Eve.) :	2	4	6	0	2	2	2	6	8
Total Regular (Day+Eve.) :	98	167	265	67	146	213	165	313	478
External Candidate's Cell	0	0	0	10	31	41	10	31	41
Non-Collegiate Women's Edn. Board	0	33	33	0	37	37	0	70	70
School of Open Learning	30	147	177	51	268	319	81	415	496
Total (Nonformal) :	30	180	210	61	336	397	91	516	607
Grand Total :	128	347	475	128	482	610	256	829	1085

M.A. (Linguistics)

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Linguistics	20	12	32	13	19	32	33	31	64
Total :	20	12	32	13	19	32	33	31	64

M.A. (Persian)

Zakir Husain College	1	0	1	0	0	0	1	0	1
Deptt. of Persian	1	1	2	2	0	2	3	1	4
Total :	2	1	3	2	0	2	4	1	5

M.A. (Philosophy)**College**

Hindu College	4	18	22	0	3	3	4	21	25
Indraprastha College for Women	0	16	16	0	3	3	0	19	19
Janki Devi Memorial College (W)	0	8	8	0	2	2	0	10	10
Kamala Nehru College (W)	0	2	2	0	1	1	0	3	3
Lady Shri Ram College (W)	0	2	2	0	0	0	0	2	2
Lakshmibai College (W)	0	7	7	0	2	2	0	9	9
Miranda House (W)	0	9	9	0	3	3	0	12	12
St. Stephen's College	2	5	7	0	5	5	2	10	12
Zakir Husain College	16	2	18	1	0	1	17	2	19
Sub-Total :	22	69	91	1	19	20	23	88	111

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of Philosophy (SDC)	6	0	6	0	0	0	6	0	6
Sub-Total :	6	0	6	0	0	0	6	0	6
Grand Total :	28	69	97	1	19	20	29	88	117

M.A. (Psychology)

Daulat Ram College (W)	0	28	28	0	26	26	0	54	54
Indraprastha College for Women	0	36	36	0	32	32	0	68	68
Zakir Husain College	4	2	6	9	3	12	13	5	18
Total :	4	66	70	9	61	70	13	127	140

M.A. (Punjabi)

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Mata Sundri College (W)	0	1	1	0	7	7	0	8	8
SGTB Khalsa College	2	3	5	0	2	2	2	5	7
Sri Guru Nanak Dev Khalsa College	2	5	7	2	4	6	4	9	13
Total :	4	9	13	2	13	15	6	22	28
Non-Collegiate Women's Edn. Board	0	30	30	0	41	41	0	71	71
Total (Non-formal) :	0	30	30	0	41	41	0	71	71
Grand Total :	4	39	43	2	54	56	6	93	99

S-114

M.A. (Sanskrit)

Daulat Ram College (W)	0	12	12	0	5	5	0	17	17
Deshbandhu College	1	2	3	0	0	0	1	2	3
Hans Raj College	12	3	15	11	7	18	23	10	33
Hindu College	16	3	19	11	8	19	27	11	38
Indraprastha College for Women	0	7	7	0	6	6	0	13	13
Janki Devi Memorial College (W)	0	5	5	0	0	0	0	5	5
Kalindi College (W)	0	0	0	0	2	2	0	2	2
Kamala Nehru College (W)	0	2	2	0	1	1	0	3	3
Kirori Mal College	3	1	4	5	0	5	8	1	9

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Lady Shri Ram College (W)	0	5	5	0	1	1	0	6	6
Lakshmibai College (W)	0	4	4	0	3	3	0	7	7
Mata Sundri College (W)	0	2	2	0	1	1	0	3	3
Miranda House (W)	0	6	6	0	7	7	0	13	13
Ramjas College	8	1	9	1	1	2	9	2	11
Shivaji College	6	0	6	1	0	1	7	0	7
Shyama Prasad Mukherji College (W)	0	3	3	0	4	4	0	7	7
Sri Venkateswara College	6	2	8	1	4	5	7	6	13
St. Stephen's College	3	5	8	3	4	7	6	9	15
Vivekananda College (W)	0	1	1	0	6	6	0	7	7
Zakir Husain College	7	0	7	1	2	3	8	2	10
Total :	62	64	126	34	62	96	96	126	222
External Candidate's Cell	0	0	0	5	7	12	5	7	12
Non-Collegiate Women's Edn. Board	0	1	1	0	6	6	0	7	7
School of Open Learning	21	55	76	15	53	68	36	108	144
Total (Nonformal) :	21	56	77	20	66	86	41	122	163
Grand Total :	83	120	203	54	128	182	137	248	385

M.A. (Hispanic)

Department	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Germanic & Romance Studies	8	8	16	3	8	11	11	16	27
Total :	8	8	16	3	8	11	11	16	27

M.A. (Urdu)**College**

Kirori Mal College	1	1	2	4	1	5	5	2	7
Zakir Husain College	2	1	3	3	1	4	5	2	7
Total :	3	2	5	7	2	9	10	4	14
Department of Urdu	12	9	21	9	9	18	21	18	39
Grand Total :	15	11	26	16	11	27	31	22	53

M.A. (Comparative Indian Literature)

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of MIL & Literary Studies	1	2	3	0	1	1	1	3	4
Total :	1	2	3	0	1	1	1	3	4

M.A. (Italian)

Deptt. of Germanic & Romance Studies	2	5	7	1	7	8	3	12	15
Total :	2	5	7	1	7	8	3	12	15

M.A. (Economics)

Deptt. of Economics	67	59	126	31	54	85	98	113	211
Total :	67	59	126	31	54	85	98	113	211

M.A. (Geography)

Deptt. of Geography	25	27	52	22	21	43	47	48	95
Total :	25	27	52	22	21	43	47	48	95

M.A. (History)

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Daulat Ram College (W)	0	12	12	0	7	7	0	19	19
Hans Raj College	17	2	19	11	10	21	28	12	40
Hindu College	9	6	15	12	12	24	21	18	39
Indraprastha College for Women	0	15	15	0	6	6	0	21	21
Janki Devi Memorial College (W)	0	14	14	0	2	2	0	16	16
Kamala Nehru College (W)	0	9	9	0	3	3	0	12	12
Kirori Mal College	9	4	13	11	3	14	20	7	27
Lady Shri Ram College (W)	0	1	1	0	12	12	0	13	13
Miranda House (W)	0	15	15	0	13	13	0	28	28
Rajdhani College	10	3	13	2	1	3	12	4	16
Ramjas College	19	7	26	10	9	19	29	16	45
SGTB Khalsa College	9	1	10	3	1	4	12	2	14
Sri Venkateswara College	9	4	13	5	6	11	14	10	24
St. Stephen's College	10	10	20	7	7	14	17	17	34
Zakir Husain College	12	3	15	8	0	8	20	3	23
Sub-Total (College) :	104	106	210	69	92	161	173	198	371
Department of History (SDC)	15	8	23	10	13	23	25	21	46
Sub-Total (Deptt.) :	15	8	23	10	13	23	25	21	46
Total :	119	114	233	79	105	184	198	219	417

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Non-Collegiate Women's Edn. Board	0	4	4	0	13	13	0	17	17
School of Open Learning	26	54	80	15	36	51	41	90	131
Total (Non-formal) :	26	58	84	15	49	64	41	107	148
Grand Total :	145	172	317	94	154	248	239	326	565

M.A. Political Science

S-119

A.R.S.D. College	14	2	16	8	7	15	22	9	31
Daulat Ram College (W)	0	28	28	0	22	22	0	50	50
Deshbandhu College	2	1	3	0	0	0	2	1	3
Gargi College (W)	0	7	7	0	0	0	0	7	7
Hindu College	13	9	22	8	18	26	21	27	48
Indraprastha College for Women	0	17	17	0	12	12	0	29	29
Janki Devi Memorial College (W)	0	6	6	0	2	2	0	8	8
Kalindi College (W)	0	4	4	0	1	1	0	5	5
Kamala Nehru College (W)	0	7	7	0	5	5	0	12	12
Kirori Mal College	9	5	14	17	14	31	26	19	45
Lady Shri Ram College (W)	0	18	18	0	14	14	0	32	32
Lakshmibai College (W)	0	6	6	0	3	3	0	9	9
Maitreyi College (W)	0	9	9	0	6	6	0	15	15
Mata Sundri College (W)	0	10	10	0	1	1	0	11	11
Moti Lal Nehru College	6	0	6	7	1	8	13	1	14

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
PGDAV College	5	0	5	1	0	1	6	0	6
Ramjas College	15	13	28	4	10	14	19	23	42
SGTB Khalsa College	5	1	6	0	3	3	5	4	9
Satyawati College	13	4	17	11	1	12	24	5	29
Shivaji College	9	1	10	1	2	3	10	3	13
Shyama Prasad Mukherji College (W)	0	6	6	0	6	6	0	12	12
Zakir Husain College	12	2	14	10	2	12	22	4	26
Total :	103	156	259	67	130	197	170	286	456
Non-Collegiate Women's Edn. Board	0	10	10	0	47	47	0	57	57
School of Open Learning	71	158	229	58	183	241	129	341	470
Total (Nonformal) :	71	168	239	58	230	288	129	398	527
Grand Total :	174	324	498	125	360	485	299	684	983
M.A. (Social Work)									
Department of Social Work	20	11	31	21	37	58	41	48	89
Total :	20	11	31	21	37	58	41	48	89

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
M.A. (Sociology)									
Department of Sociology	13	48	61	4	46	50	17	94	111
Total :	13	48	61	4	46	50	17	94	111
M.A. (Japanese)									
Department of East Asian Studies	9	5	14	0	2	2	9	7	16
Total :	9	5	14	0	2	2	9	7	16
M.A. (East Asian Studies)									
Department of East Asian Studies	8	14	22	0	0	0	8	14	22
Total :	8	14	22	0	0	0	8	14	22
M.A. (Mathematics)									
Deshbandhu College	1	1	2	0	0	0	1	1	2
Hans Raj College	2	23	25	1	12	13	3	35	38
Hindu College	2	6	8	0	4	4	2	10	12
Indraprastha College for Women	0	13	13	0	2	2	0	15	15
Janki Devi Memorial College (W)	0	6	6	0	6	6	0	12	12

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Kirori Mal College	4	12	16	3	9	12	7	21	28
Lady Shri Ram College (W)	0	5	5	0	5	5	0	10	10
Maitreyi College (W)	0	6	6	0	4	4	0	10	10
Miranda House (W)	0	12	12	0	14	14	0	26	26
PGDAV College	1	3	4	1	0	1	2	3	5
Ramjas College	2	5	7	3	1	4	5	6	11
Sri Venkateswara College	3	6	9	2	14	16	5	20	25
St. Stephen's College	1	9	10	2	4	6	3	13	16
Zakir Husain College	7	3	10	0	2	2	7	5	12
Total :	23	110	133	12	77	89	35	187	222
Non-Collegiate Women's Edn. Board	0	54	54	0	57	57	0	111	111
Total (Nonformal) :	0	54	54	0	57	57	0	111	111
Grand Total :	23	164	187	12	134	146	35	298	333
M.A. (Statistics)									
Lady Shri Ram College (W)	0	6	6	0	0	0	0	6	6
Total :	0	6	6	0	0	0	0	6	6

M.A. (Operational Research)

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Indraprastha College for Women	0	1	1	0	0	0	0	1	1
Total :	0	1	1	0	0	0	0	1	1

M.A. (Environmental Studies)

School of Environmental Studies	8	7	15	5	8	13	13	15	28
Total :	8	7	15	5	8	13	13	15	28

M.A. (Music)

Daulat Ram College (W)	0	4	4	0	6	6	0	10	10
Indraprastha College for Women	0	2	2	0	5	5	0	7	7
Miranda House (W)	0	15	15	0	9	9	0	24	24
Ramjas College	20	0	20	10	5	15	30	5	35
Total :	20	21	41	10	25	35	30	46	76

M.A. (Russian)

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt . of Slavonic & Finno-Ugrian Studies	4	3	7	3	3	6	7	6	13
Total :	4	3	7	3	3	6	7	6	13

M.Com.

S-124	A.R.S.D. College	5	2	7	2	2	4	7	4	11
	Deshbandhu College	2	1	3	0	1	1	2	2	4
	Hans Raj College	11	16	27	12	14	26	23	30	53
	Hindu College	4	7	11	2	3	5	6	10	16
	Janki Devi Memorial College (W)	0	8	8	0	6	6	0	14	14
	Moti Lal Nehru College	7	4	11	0	5	5	7	9	16
	PGDAV College	2	3	5	0	3	3	2	6	8
	Rajdhani College	3	5	8	5	5	10	8	10	18
	Ramjas College	6	11	17	3	6	9	9	17	26
	SGTB Khalsa College	8	5	13	0	0	0	8	5	13
	Shaheed Bhagat Singh College	6	5	11	0	4	4	6	9	15
	S.G.G.S. College of Commerce	3	7	10	0	8	8	3	15	18
	Shri Ram College of Commerce	10	15	25	3	8	11	13	23	36
	Zakir Husain College	9	3	12	0	6	6	9	9	18
	Sri Guru Nanak Dev Khalsa College	6	6	12	1	3	4	7	9	16
	Sub-Total :	82	98	180	28	74	102	110	172	282

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Deptt. of Commerce	21	20	41	9	14	23	30	34	64
Deptt. of Commerce (SDC)	9	22	31	5	17	22	14	39	53
Sub-Total :	30	42	72	14	31	45	44	73	117
Total (College+Deptt.) :	112	140	252	42	105	147	154	245	399
School of Open Learning	170	229	399	44	139	183	214	368	582
Total (Nonformal) :	170	229	399	44	139	183	214	368	582
Grand Total :	282	369	651	86	244	330	368	613	981
Master of Business Economics (M.B.E.)									
Department of Business Economics	30	23	53	27	24	51	57	47	104
Total :	30	23	53	27	24	51	57	47	104
Master of Finance Control (M.F.C.)									
Department of Financial Studies	25	15	40	14	16	30	39	31	70
Total :	25	15	40	14	16	30	39	31	70

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	20	21	41	15	19	34	35	40	75
Total :	20	21	41	15	19	34	35	40	75

Master of International Business (MIB)

Department of Commerce	33	9	42	29	9	38	62	18	80
Total :	33	9	42	29	9	38	62	18	80

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	30	8	38	21	9	30	22	11	33	73	28	101
Total :	30	8	38	21	9	30	22	11	33	73	28	101

M.Sc.

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	4	1	5	1	3	4	5	4	9
Deshbandhu College	4	2	6	1	0	1	5	2	7
Dyal Singh College	1	1	2	0	1	1	1	2	3
Gargi College (W)	0	1	1	0	1	1	0	2	2
Hans Raj College	87	98	185	56	78	134	143	176	319
Hindu College	52	94	146	35	97	132	87	191	278
Institute of Home Economics (W)	0	25	25	0	21	21	0	46	46
Kirori Mal College	65	51	116	71	36	107	136	87	223
Lady Irwin College (W)	0	76	76	0	70	70	0	146	146
Miranda House (W)	0	70	70	0	73	73	0	143	143
PGDAV College	0	0	0	1	0	1	1	0	1
Ramjas College	72	82	154	42	59	101	114	141	255
SGTB Khalsa College	7	10	17	8	20	28	15	30	45
Sri Venkateswara College	12	22	34	4	12	16	16	34	50
St. Stephen's College	16	26	42	9	19	28	25	45	70
Zakir Husain College	21	14	35	6	2	8	27	16	43
Sub-Total :	341	573	914	234	492	726	575	1065	1640
Department of Computer Science	13	24	37	12	20	32	25	44	69
Department of Operational Research (SDC)	9	11	20	12	15	27	21	26	47
Agro-Chemicals & Pest Management	0	0	0	9	8	17	9	8	17

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Dr. B.R. Ambedkar Centre for Bio-Medical Res.	13	15	28	5	20	25	18	35	53
School of Environmental Studies	8	7	15	6	7	13	14	14	28
Department of Environmental Biology	1	4	5	1	4	5	2	8	10
Sub-Total :	44	61	105	45	74	119	89	135	224
Total :	385	634	1019	279	566	845	664	1200	1864
Non-Collegiate Women's Edn. Board	0	19	19	0	26	26	0	45	45
Total (Nonformal) :	0	19	19	0	26	26	0	45	45
Grand Total :	385	653	1038	279	592	871	664	1245	1909

M.Sc. Course-wise

Course

Mathematics	50	72	122	16	49	65	66	121	187
Statistics	19	44	63	16	33	49	35	77	112
Operational Research	17	37	54	20	38	58	37	75	112
Applied Operational Research	9	11	20	12	15	27	21	26	47
Computer Science	13	24	37	12	20	32	25	44	69
Agro-Chemicals & Pest Management	0	0	0	9	8	17	9	8	17
Anthropology	14	22	36	5	21	26	19	43	62
Botany	15	40	55	11	26	37	26	66	92

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Chemistry	76	120	196	68	94	162	144	214	358
Geology	15	7	22	13	5	18	28	12	40
Physics	115	84	199	73	96	169	188	180	368
Zoology	20	46	66	12	39	51	32	85	117
Home Science	0	101	101	0	91	91	0	192	192
Bio-Medical Research	13	15	28	5	20	25	18	35	53
Environmental Biology	1	4	5	1	4	5	2	8	10
Environmental Studies	8	7	15	6	7	13	14	14	28
Total:	385	634	1019	279	566	845	664	1200	1864

S-129

M.Sc.(Mathematics)

College

Acharya Narendra Dev College	3	1	4	0	3	3	3	4	7
Deshbandhu College	4	2	6	1	0	1	5	2	7
Dyal Singh College	1	1	2	0	1	1	1	2	3
Hans Raj College	7	10	17	3	10	13	10	20	30
Hindu College	8	15	23	3	8	11	11	23	34
Kirori Mal College	5	11	16	4	8	12	9	19	28
Miranda House (W)	0	9	9	0	2	2	0	11	11
PGDAV College	0	0	0	1	0	1	1	0	1
Ramjas College	11	10	21	2	6	8	13	16	29

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
SGTB Khalsa College	1	1	2	0	5	5	1	6	7
St. Stephen's College	0	4	4	0	5	5	0	9	9
Zakir Husain College	10	8	18	2	1	3	12	9	21
Total (College) :	50	72	122	16	49	65	66	121	187
Non-Collegiate Women's Edn. Board	0	19	19	0	26	26	0	45	45
Total (Nonformal) :	0	19	19	0	26	26	0	45	45
Grand Total :	50	91	141	16	75	91	66	166	232

M.Sc. Statistics

Hindu College	6	22	28	7	15	22	13	37	50
Ramjas College	7	16	23	6	12	18	13	28	41
Sri Venkateswara College	6	6	12	3	6	9	9	12	21
Total :	19	44	63	16	33	49	35	77	112
Grand Total :	19	44	63	16	33	49	35	77	112

M.Sc. (Operational Research)

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Hans Raj College	4	19	23	6	13	19	10	32	42
Hindu College	2	6	8	3	11	14	5	17	22
Kirori Mal College	6	1	7	9	7	16	15	8	23
Ramjas College	5	3	8	1	3	4	6	6	12
St. Stephen's College	0	8	8	1	4	5	1	12	13
Total :	17	37	54	20	38	58	37	75	112

S-131

M.Sc. (Applied Operational Research)

Department of Operational Research (SDC)	9	11	20	12	15	27	21	26	47
Total :	9	11	20	12	15	27	21	26	47

M.Sc. (Computer Science)

Department of Computer Science	13	24	37	12	20	32	25	44	69
Total :	13	24	37	12	20	32	25	44	69

M.Sc. (Agro-Chemicals & Pest Management)

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Agro-Chem. & Pest Mgt.	0	0	0	9	8	17	9	8	17
Total :	0	0	0	9	8	17	9	8	17

M.Sc. (Anthropology)

Hans Raj College	14	11	25	5	14	19	19	25	44
Miranda House (W)	0	11	11	0	7	7	0	18	18
Total :	14	22	36	5	21	26	19	43	62

M.Sc. (Botany)

Hans Raj College	2	8	10	0	1	1	2	9	11
Hindu College	5	12	17	3	9	12	8	21	29
Kirori Mal College	5	4	9	3	2	5	8	6	14
Miranda House (W)	0	10	10	0	10	10	0	20	20
Ramjas College	2	2	4	3	1	4	5	3	8
SGTB Khalsa College	1	4	5	2	2	4	3	6	9
Sri Venkateswara College	0	0	0	0	1	1	0	1	1
Total :	15	40	55	11	26	37	26	66	92

M.Sc. (Chemistry)

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Acharya Narendra Dev College	1	0	1	1	0	1	2	0	2
Gargi College (W)	0	1	1	0	1	1	0	2	2
Hans Raj College	12	13	25	11	13	24	23	26	49
Hindu College	6	12	18	5	21	26	11	33	44
Kirori Mal College	16	17	33	23	0	23	39	17	56
Miranda House (W)	0	16	16	0	18	18	0	34	34
Ramjas College	18	34	52	16	22	38	34	56	90
SGTB Khalsa College	3	1	4	2	7	9	5	8	13
Sri Venkateswara College	6	14	20	1	4	5	7	18	25
St. Stephen's College	4	7	11	5	7	12	9	14	23
Zakir Husain College	10	5	15	4	1	5	14	6	20
Total :	76	120	196	68	94	162	144	214	358

S-133

M.Sc. (Geology)

Hans Raj College	15	7	22	13	5	18	28	12	40
Total :	15	7	22	13	5	18	28	12	40

M.Sc. (Physics)

	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Hans Raj College	25	18	43	13	14	27	38	32	70
Hindu College	21	16	37	12	23	35	33	39	72
Kirori Mal College	29	12	41	27	15	42	56	27	83
Miranda House (W)	0	13	13	0	24	24	0	37	37
Ramjas College	26	14	40	14	14	28	40	28	68
SGTB Khalsa College	2	2	4	4	3	7	6	5	11
Sri Venkateswara College	0	2	2	0	0	0	0	2	2
St. Stephen's College	12	7	19	3	3	6	15	10	25
Total :	115	84	199	73	96	169	188	180	368

M.Sc. (Zoology)

Hans Raj College	8	12	20	5	8	13	13	20	33
Hindu College	4	11	15	2	10	12	6	21	27
Kirori Mal College	4	6	10	5	4	9	9	10	19
Miranda House (W)	0	11	11	0	12	12	0	23	23
Ramjas College	3	3	6	0	1	1	3	4	7
SGTB Khalsa College	0	2	2	0	3	3	0	5	5
Sri Venkateswara College	0	0	0	0	1	1	0	1	1
Zakir Husain College	1	1	2	0	0	0	1	1	2
Total :	20	46	66	12	39	51	32	85	117

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	25	25	0	21	21	0	46	46
Lady Irwin College (W)	0	76	76	0	70	70	0	146	146
Total :	0	101	101	0	91	91	0	192	192

M.Sc. (Bio-Medical Research)

Dr. B.R. Ambedkar Centre for Bio-Medical Res.	13	15	28	5	20	25	18	35	53
Total :	13	15	28	5	20	25	18	35	53

M.Sc. Environmental Biology

Deptt. of Environmental Biology	1	4	5	1	4	5	2	8	10
Total :	1	4	5	1	4	5	2	8	10

M.Sc. Environmental Studies

School of Environmental Studies	8	7	15	6	7	13	14	14	28
Total :	8	7	15	6	7	13	14	14	28

M.Sc. (Applied Sc.) Course-wise

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Bio-Chemistry	1	8	9	1	8	9	2	16	18
Electronics	18	7	25	9	11	20	27	18	45
Genetics	5	6	11	2	7	9	7	13	20
Micro-Biology	1	7	8	0	9	9	1	16	17
Plant Mole. Bio. & Bio-Tech.	5	7	12	1	8	9	6	15	21
Informatics	13	21	34	15	18	33	28	39	67
Total :	43	56	99	28	61	89	71	117	188

S-136

M.Sc. (Bio-Chemistry)

Department of Bio-Chemistry (SDC)	1	8	9	1	8	9	2	16	18
Total :	1	8	9	1	8	9	2	16	18

M.Sc. (Electronics)

Department of Electronic Science	18	7	25	9	11	20	27	18	45
Total :	18	7	25	9	11	20	27	18	45

M.Sc. (Genetics)

Department of Genetics (SDC)	5	6	11	2	7	9	7	13	20
Total :	5	6	11	2	7	9	7	13	20

M.Sc. (Micro-biology)

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Department of Micro-biology (SDC)	1	7	8	0	9	9	1	16	17
Total :	1	7	8	0	9	9	1	16	17

M.Sc. (Plant Mole. Bio & Bio-Tech.)

Department of Plant Molecular Biology	5	7	12	1	8	9	6	15	21
Total :	5	7	12	1	8	9	6	15	21

M.Sc. (Informatics)

Institute of Informatic & Communication	13	21	34	15	18	33	28	39	67
Total :	13	21	34	15	18	33	28	39	67

M. Pharma

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Delhi Instt. of Pharma. Sc. & Res.	23	21	44	19	19	38	42	40	82
Total :	23	21	44	19	19	38	42	40	82

M. Nursing

R.A.K. College of Nursing (W)	1	22	23	1	15	16	2	37	39
Total :	1	22	23	1	15	16	2	37	39

Master of Fine Art (M.F.A.)

College of Art	17	13	30	19	13	32	36	26	62
Total :	17	13	30	19	13	32	36	26	62

**Course Wise distribution
for M.Tech. Under the Faculty of SCIENCE**

M. Tech. in Science

Course	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
M.Tech. (Chem. Synth. & Proc. Tech.)	11	4	15	0	0	0	11	4	15
M.Tech. (Nano Sc & Nano Tech.)	3	11	14	0	0	0	3	11	14
M.Tech. (Nuclr Sc. and Tech.)	8	5	13	0	0	0	8	5	13
Total :	22	20	42	0	0	0	22	20	42

S-139

M. Tech. (Chem. Synth. & Proc. Tech.)

Chemistry	11	4	15	0	0	0	11	4	15
Total :	11	4	15	0	0	0	11	4	15

M. Tech. (Nano Sc & Nano Tech.)

Physics	3	11	14	0	0	0	3	11	14
Total :	3	11	14	0	0	0	3	11	14

M. Tech. (Nano Sc & Nano Tech.)

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Physics	8	5	13	0	0	0	8	5	13
Total :	8	5	13	0	0	0	8	5	13

M. Tech. (Microwave Electronics)

Department of Electronic Science	17	1	18	2	0	2	19	1	20
Total :	17	1	18	2	0	2	19	1	20

**College-wise and Course-wise
distribution of Students**

B.Ed.

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Lady Irwin College (W)	0	71	71	0	0	0	0	71	71
M.V. College of Education	27	112	139	0	0	0	27	112	139
Total :	27	183	210	0	0	0	27	183	210
Department of Education	55	170	225	0	0	0	55	170	225
Total :	55	170	225	0	0	0	55	170	225
Grand Total :	82	353	435	0	0	0	82	353	435

B.Ed. (Special Education)

Lady Irwin College (W)	0	24	24	0	0	0	0	24	24
Durga Bai Deshmukh College	11	14	25	0	0	0	11	14	25
Total :	11	38	49	0	0	0	11	38	49

M. Ed. (Full-Time)

Department of Education	24	8	32	0	0	0	24	8	32
Total :	24	8	32	0	0	0	24	8	32

M.Ed. (Part-time)

College	Previous Year			Final Year			Total		
	M	F	T	M	F	T	M	F	T
Department of Education	21	9	30	5	18	23	26	27	53
Total :	21	9	30	5	18	23	26	27	53

B.P. Ed. (B. Phy. Education)

I.G.Inst. of Phy.Edu.& Sports Sc.	30	28	58	0	0	0	30	28	58
Total :	30	28	58	0	0	0	30	28	58

M.P. Ed. (Master of Phy. Education)

I.G.Inst. of Phy.Edu.& Sports Sc.	19	12	31	16	7	23	35	19	54
Total :	19	12	31	16	7	23	35	19	54

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	465	128	593	245	151	396	184	153	337	894	432	1326
Total :	465	128	593	245	151	396	184	153	337	894	432	1326
Law Centre - I	549	163	712	266	116	382	239	108	347	1054	387	1441
Law Centre - II	378	73	451	152	56	208	132	55	187	662	184	846
Total :	927	236	1163	418	172	590	371	163	534	1716	571	2287
Grand Total :	1392	364	1756	663	323	986	555	316	871	2610	1003	3613

S-143

Master of Law (LL.M. Two year)

Faculty of Law	32	12	44	19	6	25	0	0	0	51	18	69
Total :	32	12	44	19	6	25	0	0	0	51	18	69

Master of Comparative Laws (M.C.L. Two year)

Faculty of Law	6	1	7	4	3	7	0	0	0	10	4	14
Total :	6	1	7	4	3	7	0	0	0	10	4	14

Master of Laws (LL.M. Three year)

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Faculty of Law	32	5	37	30	1	31	20	9	29	82	15	97
Total :	32	5	37	30	1	31	20	9	29	82	15	97

Master of Business Administration (M.B.A. Full-time Two-year)

Faculty of Management Studies	82	33	115	59	33	92	0	0	0	141	66	207
Total :	82	33	115	59	33	92	0	0	0	141	66	207

Master of Business Administration in Management Service (Full-time)

Faculty of Management Studies	39	10	49	31	11	42	0	0	0	70	21	91
Total :	39	10	49	31	11	42	0	0	0	70	21	91

Master of Business Administration (M.B.A. Part-time Three-year)

Faculty of Management Studies	123	17	140	97	6	103	83	6	89	303	29	332
Total :	123	17	140	97	6	103	83	6	89	303	29	332

Master of Business Administration in Health Care Administration (Three year)

Faculty of Management Studies	18	7	25	10	7	17	12	2	14	40	16	56
Total :	18	7	25	10	7	17	12	2	14	40	16	56

Master of Technology (Combined) Full time

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Netaji Subhas Instt. of Technology	34	11	45	21	6	27	0	0	0	55	17	72
Total :	34	11	45	21	6	27	0	0	0	55	17	72

Master of Technology (Combined) Part time

Netaji Subhas Instt. of Technology	7	2	9	7	3	10	2	8	10	16	13	29
Total :	7	2	9	7	3	10	2	8	10	16	13	29

Master of Engineering (Combined) Full time

Delhi College of Engineering	103	8	111	109	16	125	0	0	0	212	24	236
Total :	103	8	111	109	16	125	0	0	0	212	24	236

Master of Engineering (Combined) Part time

Delhi College of Engineering	29	7	36	28	5	33	21	8	29	78	20	98
Total :	29	7	36	28	5	33	21	8	29	78	20	98

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	1	0	1	1	0	1	1	2	3	3	2	5
Total :	1	0	1	1	0	1	1	2	3	3	2	5

P.G. Degree (Medical Science)

Lady Hardinge Medical College (W)	22	29	51	28	24	52	25	28	53	75	81	156
Maulana Azad Medical College	43	47	90	48	42	90	47	43	90	138	132	270
U.C.M.S. & G.T.B. Hospital	27	24	51	28	21	49	20	26	46	75	71	146
V.P. Chest Institute	5	4	9	5	2	7	10	2	12	20	8	28
Total :	97	104	201	109	89	198	102	99	201	308	292	600

P.G. Degree (Medical Science - Other Instt.)

Faculty of Medical Sciences	32	9	41	44	8	52	57	15	72	133	32	165
Total :	32	9	41	44	8	52	57	15	72	133	32	165

P.G. Diploma (Medical Science)

Lady Hardinge Medical College (W)	4	12	16	6	10	16	0	0	0	10	22	32
Maulana Azad Medical College	11	12	23	8	16	24	0	0	0	19	28	47
V.P. Chest Institute	8	2	10	4	7	11	0	0	0	12	9	21
Total :	23	26	49	18	33	51	0	0	0	41	59	100

P.G. Diploma (Medical Sc. - Other Instt.)

	I Year			II Year			III Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T
Faculty of Medical Sciences	22	16	38	32	33	65	0	0	0	54	49	103
Total :	22	16	38	32	33	65	0	0	0	54	49	103

M.D.S (M. in Dental Surg.)

Maulana Azad Medical College	4	4	8	5	3	8	0	0	0	9	7	16
Total :	4	4	8	5	3	8	0	0	0	9	7	16

M.D. (Ayurvedic Medicine)

A & U Tibbia College	0	0	0	2	3	5	3	3	6	5	6	11
Total :	0	0	0	2	3	5	3	3	6	5	6	11

M.D. (Homoeopathic Medicine)

Nehru Homoeopathic Med. Col. & Hosp.	1	3	4	0	0	0	0	0	0	1	3	4
Total :	1	3	4	0	0	0	0	0	0	1	3	4

**Course wise distribution
Under Faculty of Medical Science**

Faculty of Medical Science

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
B.D.S.	14	18	32	21	16	37	10	28	38	15	7	22	6	9	15	66	78	144
M.B.B.S.	208	224	432	235	178	413	226	189	415	190	219	409	193	169	362	1052	979	2031
B.Sc.(Med. Tech.-Radi)	3	7	10	4	6	10	0	0	0	0	0	0	0	0	0	7	13	20
D.M./MCH (Combined)	25	0	25	25	0	25	24	2	26	0	0	0	0	0	0	74	2	76
M.D. (Anaesthesiology)	4	8	12	4	8	12	4	8	12	0	0	0	0	0	0	12	24	36
M.D. (Community Med.)	4	3	7	5	2	7	3	4	7	0	0	0	0	0	0	12	9	21
M.D.(Dermatology & Vene)	1	6	7	1	6	7	1	6	7	0	0	0	0	0	0	3	18	21
M.D. (Forensic Medicine)	3	3	6	3	3	6	4	2	6	0	0	0	0	0	0	10	8	18
M.D. (Bio-Chemistry)	2	3	5	2	4	6	2	4	6	0	0	0	0	0	0	6	11	17
M.D. (General Medicine)	21	4	25	20	5	25	20	5	25	0	0	0	0	0	0	61	14	75
M.D. (Microbiology)	4	5	9	3	6	9	1	7	8	0	0	0	0	0	0	8	18	26
M.D. (Obst. & Gynae)	0	18	18	0	18	18	0	18	18	0	0	0	0	0	0	0	54	54
M.D. (Paediatrics)	5	14	19	14	5	19	10	9	19	0	0	0	0	0	0	29	28	57
M.D. (Pathology)	2	7	9	1	8	9	1	7	8	0	0	0	0	0	0	4	22	26
M.D. (Pharmacology)	5	2	7	4	3	7	5	2	7	0	0	0	0	0	0	14	7	21
M.D. (Physiology)	7	1	8	3	5	8	5	3	8	0	0	0	0	0	0	15	9	24
M.D. (Psychiatry)	2	1	3	2	1	3	3	0	3	0	0	0	0	0	0	7	2	9
M.D. (Radio-Diagnosis)	3	3	6	5	1	6	2	4	6	0	0	0	0	0	0	10	8	18
M.D. (Radio-Therapy)	1	1	2	1	1	2	1	1	2	0	0	0	0	0	0	3	3	6

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
M.D. (Pulmonary Med.)	3	2	5	3	0	3	7	1	8	0	0	0	0	0	0	13	3	16
MDS (M. in Dental Surg)	4	4	8	5	3	8	0	0	0	0	0	0	0	0	0	9	7	16
M.S. (Anatomy)	0	6	6	4	3	7	1	6	7	0	0	0	0	0	0	5	15	20
M.S. (E.N.T.) Otorhino	4	3	7	5	2	7	4	3	7	0	0	0	0	0	0	13	8	21
M.S. (Ophthalmology)	1	10	11	5	6	11	4	7	11	0	0	0	0	0	0	10	23	33
M.S. (Orthopaedics)	9	1	10	7	0	7	8	0	8	0	0	0	0	0	0	24	1	25
M.S. (General Surgery)	16	3	19	17	2	19	16	2	18	0	0	0	0	0	0	49	7	56
P.G.Deg. Med.Sc.-Other	32	9	41	44	8	52	57	15	72	0	0	0	0	0	0	133	32	165
P.G.Dip.in Anaesthesiolo	7	1	8	2	7	9	0	0	0	0	0	0	0	0	0	9	8	17
P.G.Dip. in Dermat.& Vene	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2
P.G.Dip. in Radio-Diagnos	1	1	2	2	1	3	0	0	0	0	0	0	0	0	0	3	2	5
P.G.Dip. in Obstt.& Gynae	0	12	12	0	11	11	0	0	0	0	0	0	0	0	0	0	23	23
P.G.Dip. in Ophthalmology	1	4	5	2	3	5	0	0	0	0	0	0	0	0	0	3	7	10
P.G.Dip. in Otorhinolaryn	1	1	2	1	1	2	0	0	0	0	0	0	0	0	0	2	2	4
P.G.Dip. in Tub.& Chest D	8	2	10	4	7	11	0	0	0	0	0	0	0	0	0	12	9	21
P.G. Dip. in Paediatrics	5	4	9	7	2	9	0	0	0	0	0	0	0	0	0	12	6	18
P.G. Dip. Med.Sc.-Other	22	16	38	32	33	65	0	0	0	0	0	0	0	0	0	54	49	103
Total :	428	408	836	493	366	859	419	333	752	205	226	431	199	178	377	1744	1511	3255

**Course Wise distribution
Under Faculty of Technology**

Faculty of Technology

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
	B.E. (Civil Engg.)	62	8	70	62	8	70	61	9	70	51	1	52	0	0	0	236	26
B.E. (Computer Engg.)	173	38	211	182	32	214	186	24	210	61	19	80	0	0	0	602	113	715
B.E. (Electrical Engg.)	68	22	90	72	18	90	75	15	90	68	2	70	0	0	0	283	57	340
B.E. (Elec. & Comm)	199	42	241	199	42	241	222	20	242	180	18	198	0	0	0	800	122	922
B.E. (Instrum. & Cont.	103	18	121	90	30	120	101	19	120	83	17	100	0	0	0	377	84	461
B.E. (Mech. Engg.)	120	0	120	119	1	120	117	3	120	98	2	100	0	0	0	454	6	460
B.E. (Production & Ind.	26	4	30	25	5	30	25	5	30	29	1	30	0	0	0	105	15	120
B.E. Environmental Engg.	21	9	30	19	7	26	17	13	30	9	0	9	0	0	0	66	29	95
B.E. Poly. Sc. & Chem.	26	4	30	31	8	39	33	7	40	27	1	28	0	0	0	117	20	137
B.E. Bio-Technology	24	13	37	22	17	39	24	16	40	36	4	40	0	0	0	106	50	156
B.E. (Infor. Technology)	86	34	120	95	25	120	95	25	120	106	14	120	0	0	0	382	98	480
B.E. (Manuf. Process &)	53	7	60	51	8	59	48	12	60	53	6	59	0	0	0	205	33	238
B. Tech (Civil Engg) PT	30	0	30	30	0	30	30	0	30	30	0	30	0	0	0	120	0	120
B. Tech (Electrical) PT	29	1	30	30	0	30	30	0	30	29	1	30	0	0	0	118	2	120
B. Tech (Electronics & C	29	1	30	29	1	30	29	1	30	27	3	30	0	0	0	114	6	120
B. Tech (Mech. Engg.)	30	0	30	30	0	30	29	0	29	30	0	30	0	0	0	119	0	119
M.E. Env. Engg.	1	0	1	5	2	7	0	0	0	0	0	0	0	0	0	6	2	8
M.E. Structural Engg. FT	15	0	15	16	1	17	0	0	0	0	0	0	0	0	0	31	1	32
M.E. Comp. Tech. & Appl.	13	2	15	14	6	20	0	0	0	0	0	0	0	0	0	27	8	35
M.E. (Polymer Tech.)	9	1	10	9	0	9	0	0	0	0	0	0	0	0	0	18	1	19
M.E. (Control & Inst.)	9	3	12	18	2	20	0	0	0	0	0	0	0	0	0	27	5	32
M.E. (Elect. & Commun.)	30	2	32	17	4	21	0	0	0	0	0	0	0	0	0	47	6	53
M.E. Prod. & Ind. F	13	0	13	12	0	12	0	0	0	0	0	0	0	0	0	25	0	25
M.E. Thermal Engg. FT	13	0	13	18	1	19	0	0	0	0	0	0	0	0	0	31	1	32

S-150

Course	I Year			II Year			III Year			IV Year			V Year			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
M.E. (Env. Engg.)	1	1	2	4	1	5	3	0	3	0	0	0	0	0	0	8	2	10
M.E. (Hydraulic & Flood	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	1
M.E. (Comp. App.) PT	3	2	5	3	1	4	2	3	5	0	0	0	0	0	0	8	6	14
M.E. (Control & Inst.)	4	1	5	3	1	4	4	1	5	0	0	0	0	0	0	11	3	14
M.E. (Elect. & Commun.)	9	1	10	3	2	5	1	4	5	0	0	0	0	0	0	13	7	20
M.E. (Production) PT	4	1	5	2	0	2	4	0	4	0	0	0	0	0	0	10	1	11
M.E. (Thermal) PT	4	0	4	3	0	3	1	0	1	0	0	0	0	0	0	8	0	8
M.E. (Polymer) PT	0	0	0	4	0	4	1	0	1	0	0	0	0	0	0	5	0	5
M.E. (Structure) PT	4	1	5	5	0	5	5	0	5	0	0	0	0	0	0	14	1	15
M.Tech (Signal Proc.) FT	11	4	15	5	1	6	0	0	0	0	0	0	0	0	0	16	5	21
M.Tech (Inform. Sys.) FT	8	6	14	5	3	8	0	0	0	0	0	0	0	0	0	13	9	22
M.Tech (Process Cont.) FT	15	1	16	11	2	13	0	0	0	0	0	0	0	0	0	26	3	29
M.Sc. (App. Physics) PT	1	0	1	1	0	1	1	2	3	0	0	0	0	0	0	3	2	5
M.Tech. (Signal Proc.) PT	4	1	5	3	2	5	1	4	5	0	0	0	0	0	0	8	7	15
M.Tech (Inform. Sys.) PT	2	0	2	3	1	4	1	4	5	0	0	0	0	0	0	6	5	11
M.Tech (Process Cont.) PT	1	1	2	1	0	1	0	0	0	0	0	0	0	0	0	2	1	3
Total :	1253	229	1482	1252	232	1484	1146	187	1333	917	89	1006	0	0	0	4568	737	5305

**Statement showing the Number of SC/ST Students on Roll
during the Academic Session 2008-09**

Engineering & Technology

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	195	87	196	90	196	85	178	74	765	336
Post-graduate	30	5	35	5	1	2	--	--	66	12
Total :	225	92	231	95	197	87	178	74	831	348

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	64	30	63	34	64	32	59	28	83	18	333	142
Post-graduate	31	11	17	9	24	18	--	--	--	--	72	38
P.G. Diploma	9	4	3	4	--	--	--	--	--	--	12	8
Total :	104	45	83	47	88	50	59	28	83	18	417	188

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	5	2	7	4	7	--	2	--	6	3	27	9
Total :	5	2	7	4	7	--	2	--	6	3	27	9

Homoeopathic

Under-graduate	18	3	19	4	18	5	11	6	5	1	71	19
Total :	18	3	19	4	18	5	11	6	5	1	71	19

Nursing

Under-graduate	12	6	7	3	7	3	7	3	--	--	33	15
Post-graduate	1	1	1	1	--	--	--	--	--	--	2	2
Total :	13	7	8	4	7	3	7	3	--	--	35	17

Pharmacy

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	8	3	9	3	10	4	10	2	37	12
Post-graduate	6	2	5	0	--	--	--	--	11	2
Total :	14	5	14	3	10	4	10	2	48	14

Law

	I Year		II Year		III Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
Post-graduate	305	151	99	55	64	42	468	248
Total :	305	151	99	55	64	42	468	248

Management

Post-graduate	49	23	29	15	11	--	89	38
Total :	49	23	29	15	11	--	89	38

Computer Science

Post-graduate	5	4	4	1	5	1	14	6
Total :	5	4	4	1	5	1	14	6

Library Science

Post-graduate	17	3	--	--	--	--	--	--
Total :	17	3	--	--	--	--	--	--

Fine Arts

	I Year		II Year		III Year		IV Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	20	8	20	10	16	8	15	7	71	33
Post-graduate	6	2	6	--	--	--	--	--	12	2
Total :	26	10	26	10	16	8	15	7	83	35

Education

Under-graduate	43	16	23	7	21	10	24	7	111	40
Post-graduate	95	34	4	2	--	--	--	--	99	36
Total :	138	50	27	9	21	10	24	7	210	76

Commerce

	I Year		II Year		III Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	1634	329	1081	169	818	113	3533	611
Post-graduate	66	28	38	13	--	--	104	41
Total :	1700	357	1119	182	818	113	3637	652

Arts Course

	I Year		II Year		III Year		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
Under-graduate	2998	1095	2229	772	1799	619	7026	2486
Post-graduate	294	138	172	92	--	--	466	230
Total :	3292	1233	2401	864	1799	619	7492	2716

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	889	256	528	149	338	77	16	3	3	1	1774	486
Post-graduate	133	57	102	33	--	--	--	--	--	--	235	90
Total :	1022	313	630	182	338	77	16	3	3	1	2009	576

Others

	M.Phil.		Ph.D.		Cert./Diploma		Total	
	SC	ST	SC	ST	SC	ST	SC	ST
	78	44	180	28	389	64	16095	5081
Total :	78	44	180	28	389	64	16095	5081