

वार्षिक प्रतिवेदन Annual Report

2013-14

BABASAHEB
BHIMRAO
AMBEDKAR
UNIVERSITY



• LUCKNOW •
प्रज्ञा शील करुणा
ESTABLISHED 1996

बाबासाहेब भीमराव अम्बेडकर विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय)

विद्या विहार, रायबरेली रोड, लखनऊ - २२६ ०२५

Babasaheb Bhimrao Ambedkar University
(A Central University)

Vidya Vihar, Raebareli Road, Lucknow - 226 025

Visitor

Hon'ble the President of India
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Chancellor

Shri Navjeevan Lal Lakhanpal

Vice Chancellor

Prof. Ranbir Chander Sobti

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 Finance Officer (I/c)
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 Prof. M.Y. Khan

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 School for Environmental Science
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 School for Information Science & Technology
 School for Legal Studies
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 Prof. M. Y. Khan
 Prof. D. P. Singh
 Prof. Sunita Mishra
 Prof. K.L. Mahawar
 Prof. Priti Saxena
 Prof. Rana Pratap Singh
 Prof. R. B. Ram

Heads/Coordinator

Department of Applied Animal Science
 Department of Applied Chemistry
 Department of Applied Mathematics
 Department of Applied Physics
 Department of Applied Plant Science
 Department of Applied Statistics
 Department of Biotechnology
 Department of Brain and Cognition Science
 Department of Computer Science
 Department of Economics
 Department of Environmental Microbiology
 Department of History
 Department of Human Development
 & Family Studies
 Department of Human Rights
 Department of Information Technology
 Department of Law
 Department of Library & Information Science
 Department of Mass Communication & Journalism
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 Dr. Govind Ji Pandey
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 Dr. Sartik Bagh
 Dr. Kushendra Mishra
 Dr. Bibhuti Bhushan Malik

Contents

From the Vice Chancellor's Desk	v
University Statutory Bodies	
Board of Management	viii
Academic Council	ix
Planning Board	xi
Finance Committee	xii
School for Ambedkar Studies	
Department of Economics	1
Department of History	4
Department of Political Science	8
Department of Sociology	11
Centre for the Study of Social Exclusion & Inclusive Policy	19
Dr. Ambedkar Studies Centre	26
School for Bio-Science & Bio-Technology	
Department of Applied Animal Sciences	29
Department of Applied Plant Sciences (Horticulture)	36
Department of Biotechnology	45
Department of Pharmaceutical Science	52
School for Environmental Sciences	
Department of Environmental Sciences	60
Department of Environmental Microbiology	76
School for Home Sciences	
Department of human Development & family Studies	88
School for Information Science & Technology	
Department of Computer Science	100
Department of Information Technology	108
Department of Library and Information Science	116
Department of Mass Communication & Journalism	121
School for Legal Studies	
Department of Human Rights	127
Department of Law	137
School for Mangement Studies	
Department of Rural Management	144

School for Physical Sciences

Department of Applied Chemistry	148
Department of Applied Mathematics	150
Department of Applied Statistics	152
Department of Applied Physics	153
University Central Library	162
University Placement Cell	163
Residential Coaching Academy	164
Special Cell for the Welfare of Scheduled Castes & Scheduled Tribes	167
Central Monitoring Record Keeping Unit	170
University Computer Centre	170
University Works Department	171
Dean Student Welfare	
1. Ashoka Boys Hostel	173
2. Siddartha Boys Hostel	174
3. Kanishka Boys Hostel	174
4. Yashodhara Girl's Hostel	175
5. Sanghmitra Girls Hostel	175
6. Chitrlekha Girls Hostel	176
Information and Guidance Bureau	177
University Science Instrumentation Centre (USIC)	178
University Gardening & Beautification Section	179
National Cadet Corps	180
Vice-Chancellor Secretariat	182
Financial Statement	186

From the Vice Chancellor's Desk



Knowledge is today's economy. Someone once remarked that while ignorance was the curse of God, knowledge was the important power of wings which carried one to heaven. We live in a time when knowledge is ever more vital to our societies and economies, in a world of rapidly circulating capital and people and of revolutionary communication technologies. Knowledge is replacing other resources as the main driver of economic growth, and education has increasingly become the foundation for individual prosperity and social mobility. Creation and distribution of knowledge is paramount responsibility of the society. It is my firm belief that a University has a major role to transfer knowledge from one generation to another and in the process of research and knowledge utilization. Of all that shines bright if knowledge is the most luminous and the University – a light house of knowledge, has been a leading light to all the students who throng to it. In the University, each student is a priority and not on option. University is the link between past, present and future. Catering to the students from the socio-economic backward communities and regions, we consider that one's self can be liberated only by acquiring knowledge. It is therefore time for the University to move beyond the function of affiliation, certifying and content exchange towards becoming a knowledge hub.

The Babasaheb Bhimrao Ambedkar University uses the 'learning centered' approach in its programmes. This has enabled our University to create an environment that graduates students with well-developed intellectual skills in their field of specialization. They also have a foundation of broad knowledge, effective written and oral communication skills, a strong ethical base, a sense of civic responsibility, proficiency in the use of technology, a global perspective and desire to pursue lifelong learning. As a result, the Babasaheb Bhimrao Ambedkar University produces graduates not only equipped for the jobs in the market but also well armed to cope with life itself. True to our tradition, the students are urged to cultivate a sense of independent thinking and responsible action.

I take the privilege of presenting the 17th Annual Report of Babasaheb Bhimrao Ambedkar University, Lucknow for the Year 2013-14. The vision of the University is to promote global education across different disciplines. In the last few years, the University has witnessed remarkable developments relating to teaching, research and institution building. The University has forged a number of international collaborations and has played a leadership role in organizing seminars, lectures and conferences on major issues relating to law, business, international affairs and public policy. Through conscious and careful planning, BBAU aspires to reach the zenith of success by pursuing the path of value based quality education.

BBAU is the front runner in many aspects from last one year. With an unwavering commitment to academics, and the heightened realization that this is no ordinary time for higher education, BBAU is determined to grasp the extraordinary opportunities available to it by introducing innovation, accelerating growth and setting higher targets for achievements, both in academics as well as infrastructure development. In order to fulfil the goal of achieving academic excellence, our academic pursuits have gained immense momentum due to the extensive developments which have occurred in the last 10 months. New initiatives have been undertaken towards improvement of infrastructure, campus development, faculty and student empowerment, management reforms, creation of sports, health and other facilities, strengthening of grievance redressal systems for staff, faculty and students; establishing new hostels for student, initiating innovation in academic and extracurricular activities, increasing access and equity for all and especially the marginalized groups, all of which will enhance the University's strength and prepare it for further advancements towards excellence in the future.

In an effort to integrate the BBAU mission of shouldering social responsibilities, contributing the knowledge resources impartially, and serving the public purposes, various inclusive, society-oriented programs have been recently started such as; introduction of additional seats for single girl child, cancer and thalassemia patients; free education for students belonging to the below poverty line/ BPL card holder, and orphans; adoption of underdeveloped, resource-limited colonies for dissemination of education and creation of awareness for social and environmental issues etc.

The faculties at our university accept their responsibilities conscientiously, share leadership in a democratic spirit, and are subject to the highest standards of public trust. Recently, provisions have been made to empower them by providing start-up grants and basic infrastructure for high quality research. A staff club has been established. A community hall has been proposed. The University is growing and so its faculty and staff. The existing residential complexes are not enough to house the present strength of teachers/staff, therefore, new residential complexes have been proposed to accommodate the increasing no. of faculty/staff.

The foundation and hallmark of any University is its students. BBAU firmly believes that it is only through student empowerment that real success in all fields including academia can be achieved. In this direction, several in the university functioning. A framework has been proposed to enable all students to feel safe and valued through laying provisions for information and training which will encourage young people to make informed choices and achieve success; to utilize opportunities for service to and change; to strengthen student inter-connectedness, to maximize formal and community recognition of learning outcomes; and to pay special attention to the upliftment of the marginalized groups especially SC/ST students. University has adopted the Choice Based Credit System for Semester Examination along with addition 1 credit course in Community Service, Remedial Languages, Ambedkar Studies and Moral Studies in each semester.

Besides academia, sporting activities are very much required for the youth to channelize their abundant energy, enthusiasm and imagination. We want sports to be seen as an opportunity for students to take their rightful place as future leaders of the country in myriad spheres of activity. Babasaheb Bhimrao Ambedkar University has setup a very strong and active Alumni Association with the mission of promoting a meaningful dialogue and exchange of ideas between the University and its alumni. The association is committed to strengthening alumni relations in support of the University's mission. An Innovation Club has been established to encourage young scientists/researchers in the university and the society to bring forth their innovative creations on a platform for widespread exposure and further development. A Centre for Innovative and Emerging Sciences has been established to encourage and implement new innovative courses for modern scientific education.

The Central library has been modernized and is now situated in a newly constructed state-of-the-art building. New Scientific Journals, online journals, books encompassing almost all subjects, and internet facilities have been provided to add new dimensions to the learning and research output of the university. Recently, in order to strengthen the Library, new initiatives have been taken to modernize and equip the library with more facilities and books. A Union Building along with a Sports Complex, state-of-the-art sports paraphernalia, a stadium, and a swimming pool is required to promote sports activities in the University campus. An effort is being made by the University to establish a campus network to make entire campus Wi-Fi.

To improve the quality, transparency and timely dissipation of tasks A Management Information System has been proposed, and will be implemented at the earliest, which will ensure efficient and effective academic, administrative and financial management relevant to the needs of students and the faculty. Our achievements in the past few months will leverage our capability and strength, as University has invested/plans to invest ambitiously in new disciplines that hold the potential to change the academics, extracurricular activities and research.

Babasaheb Bhimrao Ambedkar University believes in promoting innovations and technologies in various disciplines and transforming great visions into best practices. Backed with years of experience and committed team members BBAU produces highly focused and influential programs leading to the growth of the respective domains accordingly. One of the major aims of the Global Initiative for Academic Network (GIAN) is to provide a forum for discussion for all the international experts representing a wide range of disciplines. Babasaheb Bhimrao Ambedkar University is committed to attract the best international

experience into its system of education and to enable interaction of students and faculty members with the best academic and industry experts from all over the world through GIAN.

I am inspired with the Prime Minister Shree Narendra Modi Ji's ambitious e-governance initiative under Digital India Initiative. In the current higher education environment, paperless processes are at the forefront of discussion. To be more cost-friendly, time-efficient, and green-focused, institutions across the country are shifting paper filled processes to paperless activities. In the spectrum of sustainability initiatives BBAU is undertaking, paper consumption presents a particular challenge because it asks individuals to change the way they have been doing their jobs for years, if not decades. Printing emails, distributing handouts at meetings, filing paper records – these are tough habits to break. The Babasaheb Bhimrao Ambedkar University has taken an initiative to make the University less *Paper University*.

The emergence of MOOCs and on-line education could be one good method to implement green computing in Higher Education Institution (HEI). Babasaheb Bhimrao Ambedkar University, under MOOCs, will offer an unprecedented opportunity to revitalize education. These cause complete disintermediation of the university system, making them very affordable. Our vision is to explore, examine, and solve pedagogical and technical issues, and establish the best possible model of blended learning, for Indian education system. BBAU is committed to making tangible contributions to society. It does so by sharing its knowledge and by collaborating with diverse partners in academia and across the public, private, and nonprofit sectors. BBAU believes the alignment of community and societal engagement with key institutional priorities and has taken several initiatives as mechanisms for making community and societal engagement an essential vehicle to accomplish higher education's more important goals. To fully incorporate community and societal engagement into all aspects of its mission, BBAU is seriously addressing issues related to structure, budget, and operation. Faculty involvement and support are being strengthening for furthering the institutionalization of community and societal engagement of BBAU.

The University participated in Swachh Bharat Abhiyan on 2nd October, 2014, and is regularly conducting cleaning programme in the campus at 4:00 pm, organized Run for Unity and Book Exhibition on 31st October, 2014 to celebrate the birth anniversary of Sardar Patel Ji, organized an open panel discussion on the topic Sikshit Bharat- Saksham Bharat and Quality Education to All as Chhatra Sansad on 17th November, 2014, MoU for Gomti Gallery has been signed between NCSM, Kolkata and University to purify and beautify the Gomti River.

I will ensure that the University works closely with governments and other stakeholders through active feedback and advisory mechanisms. I will ensure that it listens more to the governments and works closely with their plans for higher education. The University will also provide more focused and development related research in the future, again working with national systems of research.

With the full cooperation and hard work of faculty, officers and staff of BBAU, I have represented the University externally, both within the India and overseas; secured a financial base sufficient to allow the delivery of the University's mission, aims and objectives; carried out certain important ceremonial and civic duties; developed the leadership and managerial skills of faculty who have demonstrated exceptional ability and administrative promise; and encouraged our faculty for conducting many programs and workshops for the growth, development and advancement of our faculty. I express my sincere thanks to the University Grants Commission (UGC) and other funding agencies for their generous support and co-operation. Without their strong support, the University could not have come this far and without this strong support; it will not be able to go far into the future. I would like to especially thank the Ministry of Human Resource Development (MHRD) for its contributions which, despite the many challenging periods it has faced in the recent past, has remained strong and steadfast in its support of the University. The success of the University has been the result of committed and competent faculty members, officers, non-teaching staff and students, and I would like to thank them.


 (Prof. R.C. Sobti)
 Vice Chancellor

Board of Mangement

Prof. R.C. Sobti

Vice Chancellor
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. Sunita Mishra

Dean, Schhol for Home Science,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. N. M. P. Verma

Department of Economics,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. B. B. Malik

Department of Sociology,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. D.R. Modi

Reader,
Department of Bio-Technology,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Shikha

Assistant Professor,
Department of Environmental Sciences,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Ashok S. Ganguly

Member of Parliament (Rajya Sabha)
10, Rajendra Prashad Road,
New Delhi

Prof. Ved Prakash

Chairman, UGC
Bahadurshah Zafar Marg,
Lucknow

Sh. Ashok Singh

Chairman
Central Board for Workers Education
Jam Nagar House
New Delhi - 110001

Prof. (Dr.) Shilpa Khatri Babbar

Vivekanand Institute of Professional Stuies
A U Block (Outer Ring Road)
Pitampura
Delhi-110 034

Prof. Arun Diwakar Nath Bajpai

Vice Chancellor
Himachal Pradesh University
Summer Hill,
Shimla-171005
(HP)

Dr. P. C. Jain

Principal
Sree Ram College of Commerce
University of Delhi, north campus
Mauruca Nagar
Delhi-110007

Dr. Sunita Chandra

Secretary BOM,
Registrar,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Academic Coucil

Prof. R.C. Sobti

Vice Chancellor
Babasaheb Bhimrao Ambedkar University
Lucknow

Prof. S.V. Babu

Dean, School for Ambedkar Studies,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. D.P. Singh

Dean, School for Environmental Sciences
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. M.Y. Khan

Dean, School for Bioscience & Biotechnology
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. Vipin Saxena

Dean, School for Information Science &
Technology
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. Sunita Mishra

Dean, School for Home Sciences,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. R.B. Ram

Dean, School for Physical Sciences
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. R.P. Singh

Dean, School for Management Studies,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. Kameshwar Choudhary

Dean, School for Education
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. Priti Saxena

Dean, School for Legal Studies
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. K.L. Mahawar

Head, School for Information Science and
Technology
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. S. K. Dwivedi

Head, Department of Computer Science
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Sanatan Nayak

Head, Department of Economics
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Govind Ji pandey

Head, Department of Mass Communication &
Journalism,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. R.A. Khan

Head, Department of Information Technology
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. B.B. Malik

Head, Department of Sociology
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Sudarshan Verma

Head, Department of Law
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Deepa H. Dwivedi

Head, Department of Applied Plant Science
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Kamal Jaiswal

Head, Department of Applied Animal Science
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Sartik Bagh

Head, Department of Political Science
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. S.K. Bhatnagar

Department of Human Rights
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. N.M.P. Verma

Department of Economics
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. N.K.S. More

Department of Environmental Science
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Gopal Singh

Associate Professor,
Department of Mass Communication &
Journalism
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Ripu Sudan Singh

Associate Professor,
Department of Political Science,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. G. Sunil Babu

Assistant Professor,
Department of Biotechnology
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Sharad Sonkar

Assistant Professor,
Department of Library & Information Science
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Venkatesh Dutta

Assistant Professor,
Department of Environmental Science
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Suman Mishra

Assistant Professor,
Department of Applied Animal Science,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. K.L. Mahawar

Librarian, University Central Library,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Prof. Subrata Shina

Director,
NBRC, Hariyana

Dr. Rakesh Aggarwal

Professor
SGPGI, Lucknow

Dr. Naval Kishor

Professor
Panjab University,
Chandigarh

Dr. M.R.S. Rao

Professor
For advance Scientific
Research, Bangalore

Ms. Sneha

Ph.D. student representative
Department of Biotechnology,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Mr. Arun Kumar Kushwaha

PG student representative
Department of Sociology,
Babasaheb Bhimrao Ambedkar University,
Lucknow

Planning Board

Prof. R.C. Sobti

Vice Chancellor
Babasaheb Bhimrao Ambedkar University
Lucknow

Prof. S. Victor Babu

Dean, SAS, BBAU,
Lucknow

Prof. K. L. Mahawar

Dean, SIST, BBAU,
Lucknow

Prof. Vipin Saxena

Head, DCS,
BBAU, Lucknow

Dr. Sudarshan Verma

Head, Deptt. of Law,
BBAU, Lucknow

Dr. S. K. Sarin

Director, Institute of Liver & Biliary Sciences,
D1, Vasant Kunj,
New Delhi-110 070

Dr. Goverdhan Mehra

School of Chemistry,
University of Hyderabad,
Hyderabad - 500 046

Dr. V. M. Trehan

Chairman 'MEKASTER'
908, Ansal Bhawan,
16, Kasturba Gandhi Marg,
New Delhi - 110 001

Dr. B. S. Dhillan

Vice-Chancellor,
Punjab Agriculture University,
Ludhiana - 141 004

Shri S. K. Tripathi

Former Secretary,
Deptt. of Secondary & Higher Education,
MHRD, 63, Mall Avenue Housing colony,
Lucknow - 226001

Dr. Sharda Prashad

Additional Secretary
Director General (E&T),
Ministry of Labor,
Shram Shakti Bhawan, Rafi Marg,
New Delhi - 110 001

Dr. A. K. Pandey

Deputy Registrar
Babasaheb Bhimrao Ambedkar University,
Lucknow

Dr. Sunita Chandra

Registrar
Babasaheb Bhimrao Ambedkar University,
Lucknow

Finance Committee

Prof. R.C. Sobti, Chairman
Vice Chancellor
Babasaheb Bhimrao Ambedkar University
Vidya Vihar, Raebareli Road,
Lucknow

Shri Ashok Singh
Chairman
Central Board for Workers Education
Jam Nagar House
New Delhi - 110 001

Prof. A. M. Pathan
No. 75/4 Ranoji Rao Road
Basavangudi
Bangalore - 560 004

Prof. Shahid Ashraf
Registrar, Deptt. of Economics
Jamia Millia Islamia New Delhi- 110 025

Shri Yogendra Tripathi
Joint Secretary & Finance Advisor,
MHRD, Shasri Bhawan
New Delhi - 110 001

Joint Secretary (CU&L)
MHRD, Shastri Bhawan
New Delhi- 110 001

Joint Secretary (CU)
University Grants Commission
Bahadur Shah Zafar Marg,
New Delhi- 110 002

Prof. D.P. Singh
Ex-Officio Secretary
Finance Officer

SCHOOL FOR AMBEDKAR STUDIES

The School for Ambedkar Studies (SAS) was started in the early years of the University and started its academic programmes during the year 1997-98. The School first started with the Departments of Economics and History and added two new departments and a Centre in 2008. Thus, the School currently has four post-graduate departments and two Centres. It includes Department of Economics, Department of History, Department of Sociology, Department of Political Science, and Center for the Study of Social

Exclusion and Inclusive Policy (CSSEIP) and Dr. Ambedkar Studies Centre. The School offers P.G. and Ph.D. programmes and has an interdisciplinary orientation. The School is a noted centre of excellence in post-graduate teaching and research in social science. The school has a vibrant academic environment which is reflected in its teaching, research, and other activities such as special lectures, seminars and workshops on issues of great social significance.

I. DEPARTMENT OF ECONOMICS

Introduction

Admission in M.A. programme in the department started in 2000. Currently, the department has M.A. and Ph.D. Programmes. Faculties of the department have published many books and several articles in national and international peer reviewed journals. The faculty members have visited many countries, viz., Australia, USA, Bangladesh, Hong Kong, Thailand and Sri Lanka. Additionally, they have worked as consultant in various projects. The department has organized many seminars, invited lectures and panel discussions. It has established a computer centre for teaching computer application in Economics.

Faculty Details:

S.No.	Name	Designation	Qualification	Area of Specilization
1.	N.M.P. Verma	Professor	M.A. (JNU), Ph.D. (BU)	Development Economics of Marginalized Section Macro Economics, Industrial Economics
2.	Sanatan Nayak	Associate Professor & Head	M.A., M. Phil., Ph.D. (HU), M.Sc. (Ecology & Environment)	Environmental Economics, Econometrics, Computer Applications in Economics, Agricultural Economics, Welfare Economics
3.	L.C. Mallaiah	Associate Professor	M.A. (SKU), M. Phil. Ph.D.(HU)	Micro Economics, Ambedkar Economics, Gender Economics, Economics of Discrimination
4.	D. K. Yadav	Assistant Professor	M.A. (Eco.), Ph.D. (AU)	Monetary Economics Econometrics Mathematical Economics, Statistics, Public Economics
5.	Surendra Meher	Assistant Professor	M.A.(SU) M.Phil. Ph.D. (Eco.) (JNU)	Labour Economics, Agricultural Economics, Economic Thought, International Economics

Departmental Activity

Department of Economics has organized two week Workshop on “**Training on Applications of Advanced Econometric Techniques**” on 17-28th February, 2014.

Books/edited books/monograph(s)

Prof. N M P Verma

1. Book on Recession and Its Aftermath Released by the Governor of UP His Excellency Shri BL Joshi, in SES Bldg. seminar hall, BBAU, Lucknow, April 14, 2013.
2. Economic Miseries among Social Groups: A Study of UP, India, Research India Publications, New Delhi, 2014

Articles/papers in journal(s) published and accepted articles/papers) and Books

Prof. N M P Verma

1. Food Security, Inflation and Fiscal deficit in India, International Journal of Economics and Business Modeling, Vol4, no.2, 2013
2. Grants in Aid devolution to UP, International Journal of Economics and Finance, Vol.6, No. 2, Feb 2014

Dr. Sanatan Nayak

1. Sodic Reclamation and Economic Sustainability, in Amarendra Das and P. Mishra (eds.), **Environment, Natural Resources and the Indian Economy**, New Century Publications, New Delhi, 2014.

Dr. D. K. Yadav

1. Yadav, D K (2013), "Bottlenecks of present institutional credit delivery system to nonfarm unorganized sector: Potential role of Microfinance Institutions", Intimated to be Published in conference Volume of national seminar on Millennium Development Goals and Rural Development, organized by National Institute of Rural Development (NIRD), Hyderabad,

Dr. Surendra Meher

"Social and Economic Disparities among Major Social Groups in India: Dr. Ambedkar's Perspective and the Evidences from NSS Data" paper published in the conference volume of the Indian Economic Association. The conference held at Meenakshi University, Chennai, and 27th -29th December, 2013.

Membership in various government and external bodies

Prof. N M P Verma

1. Member, Editorial Board, International Journal of Economics and Finance, Canada (continued).
2. Member, Editorial Board, International Journal of Economics and Business Modeling, Mumbai.
3. Editorial Advisory Board, Varta, Indian Institute of Economic Research, Allahabad.

4. Member, Degree Research Committee, Amity University, dt. 05/11/12.
5. Member, Board of Studies, DRMLAU, Faizabad, 08/11/12.
6. Member, Degree Research Committee, DRMLAU, Faizabad, April 17, 2012.
7. Member, Screening Committee, for selection of Registrar, ANSISS, Patna, March 02, 2013.
8. PRESIDENT, Association of Socio-economic Development Studies, Lucknow.

Dr. Sanatan Nayak

1. Chairman in DRC, BPGS,
2. Member in School Board of SAS and AC.
3. Member in Planning Board, BBAU.
4. Working as the Head, Dept. of Economics since 13th February, 2013 till date.

Dr. Surendra Meher

1. Member, Departmental Research Committee (DRC), Department of Economics, BBAU.
2. Member, Admission Committee Department of Economics, BBAU, Lucknow
3. Member, (Co-opted), Sport Committee, BBAU, Lucknow

Paper presented in seminars/conferences/workshops etc.

Dr. Sanatan Nayak

1. Global Climate Change and Green Politics, A Paper presented in 16th Annual Conference of the Indian Political Economy Association (IPEA) at University of Hyderabad, during 9-10th November, 2013.
2. Changing Pattern of Employment and Wages of Rural Women Labour in Indian Agricultural Sector, A Paper presented along with Shivani Tiwari in the 55th Annual Conference of the Indian Society Labour Economics (ISLE) at Jawaharlal Nehru University, New Delhi during 16-18 December, 2013.
3. Factors Affecting Poverty Eradication in the Land Reclaimed Villages of Uttar Pradesh: A Logistic Regression Analysis, A

Paper presented in the Golden Jubilee Conference of The Indian Econometrics Society (TIES) at Indira Gandhi Institute of Development Research, Mumbai during 22-24 December, 2013.

4. Politics in Global Climate Change: Need of an Alternative Economic Model, A paper presented in International Seminar on "Global Politics and Governance in 21st Century: Emerging Trends and Global Concerns", Organized by Department of Political Science, BBAU, Lucknow during 22-23rd March, 2014.

Dr. Surendra Meher

1. "Economic Transformation of poor and vulnerable groups in India; where do we stand? " presented at the International Seminar on Transcending Caste: Dr. B.R. Ambedkar and Social Democracy in Contemporary India, organized by School for Ambedkar Studies, 14-15 April, 2013.
2. "Inequality in the Distribution of Land in Rural India: Concerns and Remedies" presented (Jointly with Aniruddha Kumar Sahoo) at the National Seminar on Discrimination, Identity and Philosophy of Dr. Ambedkar, organized by Dr. Ambedkar Studies Centre (ASC) and Department of Sociology, BBAU, Lucknow, 8-9 April 2013.
3. The Trends and Patterns of India's Agricultural Growth and Concerns over Food and Livelihood Security: Recent Experiences:" paper presented at the Second Lucknow Social Science Congress organized by BBAU Lucknow in academic collaboration with Association on the Socio-Economic Development Studies (ASEDS). Lucknow, 6th-7th March, 2014.

Session chaired at seminars/conferences/workshops

Prof. N M P Verma

1. Chairman, Seminar on Federal Finance, DRMLAU, Faizabad, April 13, 2013.

Award

1. Best Publication Award, Babasaheb Bhimrao Ambedkar University, Lucknow, 2014

Guiding Ph.D. Scholars

Prof. NMP Verma

Ph.D. Thesis Submitted

Four Ph.D. Scholars submitted Ph.D. Thesis namely

1. Mr Vinit Kumar
2. Mr. Ajay Kumar
3. Ms. PS Bhadoria
4. Ms. Monica Singh

Sanatan Nayak

1. Ph.D. topic entitled "Water Sector in UP: An Economic Analysis of Drinking Water and Sanitation" by Rashmi Tiwari, pursuing Ph.D since May, 2009.
2. Ph. D topic entitled "Marginalisation of Women in Agricultural Sector", by Shivani Tiwari, pursuing since September, 2009.
3. Ph. D topic entitled "Externalities of Leather Industries in Kanpur", by Shivani Singh, pursuing since February, 2010.
4. Ph. D topic entitled "Impact of Climate Change on Agriculture: A Study on Bundelkhand region of Uttar Pradesh", by Surendra Kumar, pursuing since September, 2012.

II. DEPARTMENT OF HISTORY

Introduction

Department of History offers four semesters M.A. course and Ph. D. program The main objective of the department is to undertake teaching and research for imparting history subject from interdisciplinary perspective with special focus on 'history from below'.

Academic Programme of the Department

Courses offered: Ph. D, M.A programmes.

Number of Ph.D awarded: Nil

Number of Ph.D students during the current academic secession: Twenty Two

Number of MA Students: 49

Faculty profile:

Prof. S. Victor Babu

Designation: Head & Dean

Qualification: M.A., M.Phil. (J.N.U) Ph. D, Hydrated Central University

Experience: seventeen years P.G level teaching, five years research experience.

Specialization: Late Medieval Indian History, Environmental History and Christianity in North East India and Historiography

Experience of Research Guidance: supervising eight Ph. D students at present.

International Seminars

1. **Caste in Indian History**, paper presented at International Seminar on 'Transcending Caste: Dr BR Ambedkar and Social Democracy in Contemporary India', organized by School for Ambedkar Studies, BBAU 14th-15th April 2013
2. **Organized an International Conference** on 'Indian Buddhism in its Social Context: From Sakyamuni Buddha to the Present', Department of History, BBAU, 27th - 28th March 2014.
3. **Sacred Geographies and Pilgrimage in Medieval Andhra Pradesh, India**, a paper presented in an International Conference on 'Sacred Journeys: pilgrimage and Beyond' held from 9-july to 11-july 2014, Oxford University

4. **Chaired a Session** in an International Conference on 'Sacred Journeys: pilgrimage and Beyond' held from 9th - 11th July 2014, Oxford University.

Presentations in Seminars/Conferences/Workshop:

1. Colonialism and Deforestation in Naga Hills , 1881-1947, a chapter in Studies in Indian History, festschrift to Prof. Adapa Satyanarayana, ed. By K. Arjun Rao, New Delhi, 2013.
2. Universalization of Village deities in medieval Andhra, paper presented at a National Conference on 'Thinking through religion and Religious institutions, held at University of Hyderabad, 25 & 26 th October, 2013.

Dr. Shura Darapuri (Associate Professor)

- A. Award/Honour/fellowship:Nil
- B. Books/edited books/monograph(s) published:Nil
- C. Book Chapters(1)
 1. Role of Teachers and the Problem of Child Abuse in Schools, Development of School Education in India, edited by Prof Pulla Rao,2013,Manglam publications, Delhi, ISBN978-93-81142-87-5
- D. Articles/Papers in Journals (3)
 - Acid Violence and Exclusion of Women page 1-6, 15 Days International Refereed Journal Related to Higher Education for all subjects,Vol 58, 30th December 2013, ISSN 2249-605X
 - English language for more inclusive and progressive India in Shrinkhla, A Multidisciplinary international journal, Vol, 1, Issue 2, October, 2013, ISSN No.2321-290X
 - Understanding Social Exclusion and Inclusion with respect to Women in Early Buddhism, pages 111-114, Asian Resonance, A Peer-Reviewed Multi-Disciplinary International Research Journal, Vol III, Issue II, April 2014, ISSN No.0976-8602.

- E. **Book Review** published: Nil
- F. Articles in Newspapers, Magazines etc.(1)
“Only an armour can make women feel safe now”, The Verdict, Mumbai, 8-14 September 2013: Nil
- G. **Lectures Delivered** : Nil
- H. **Research Projects/Consultancy** : Nil
- I. **Membership in various government and other bodies**
- 1) Indian History Congress, Life Member
 - 2) Maha Bodhi Society of India, Life Member
 - 3) All Indian Rights Organization
- J. **Paper presented in Seminars/Conferences/Workshops**

International Seminars (5 papers)

1. International Seminar on Transcending Caste: Dr BR Ambedkar and Social Democracy in Contemporary India, organized by School for Ambedkar Studies, BBAU **Name of the paper:** Relevance of Dr Ambedkar's Thoughts in present times, 14th-15th April 2013
2. International Conference on Indian Buddhism in its Social Context: From Sakyamuni Buddha to the Present organized by Department of History, BBAU, 27th-28th March 2014. **Name of the Paper:** Relevance of Buddhism in Present Times.
3. Two-day International Seminar on “Global Politics and Governance in 21st Century: Emerging Trends and Global Concerns” organized by Department of Political Science, School for Ambedkar Studies, BBAU on 22nd and 23rd March 2014. **Name of the paper:** Globalisation of Caste based discrimination and challenges to governance in the 21st century.
4. Two-day International Seminar on “Understanding Dr. Ambedkar's Concept of Dhamma: Transforming Self and Society” on 14 & 15 April 2014 **Name of the paper:** “Buddhist Converts are far ahead of Hindu Dalits”
5. International conference on Scientific and Technological Advancements: Social issues

and Health Concerns, organized by School of Home Science, 18th-19th February 2014. **Name of the paper:** Caste based Inequalities and its Impact on the health of dalit women.

National Seminars (10 papers)

1. National Conference on Film and Theory: Cinematic Codes: Concerned Communiaction, organized by Sadaa, Society for Analysis, Dialogue, Application and Action and SS Jain Subodh PG College, Jaipur **Name of the paper** : Violence against Women and Role of Films. 26th, 27th, 28th September, 2013
2. National Seminar on Challenges of Naxalism in India (With special reference to Uttar Pradesh), sponsored by ICSSR, New Delhi, organized by Department of Economics, Mahatma Gandhi Kashi Vidyapith, Varanasi, 19th-20th 2013. **Name of the paper:** Marginalization and Naxalism.
3. National Seminar on the occasion of “Dhammachakka Mahotsava” on Our Role in the Propagation of Buddhism in the Present Scenario, organized by Dhammachakka Mahotsav Committee and Maha Bodhi Society of India, Sarnath Centre, Sarnath, Varanasi, 22nd July 2013 **Name of the paper:** Understanding Social exclusion and Inclusion with respect to women in early Buddhism.
4. National Seminar on Woman, Dalit and Human Rights in India (Woman as a whole and Dalit Woman), organized by All India Rights Organization in association with Department of Human Rights, BBAU, 8th-9th March 2013, **Name of the paper:** Women and human rights.
5. National Seminar on Environmental Pollution: Problems and Perspectives, organized by department of Law School for Legal Studies, BBAU, **Name of the paper:** Environmental Pollution- a Buddhist Perspective, 19th-20th January 2014 .
6. National Seminar on Differently Abled Person in India: Reality and Challenges. Organized by CSSEIP, BBAU, Lucknow. 10th-11th March, 2014. **Name of the paper:** Violence against women, “Disability Enforced”.
7. National Seminar on Decentralized Governance and Changing Paradox of

Development in Rural Areas, organized by Central University of Jharkhand, 11th-12th, 2013. **Name of the paper:** Naxalism and Rural Development.

8. National Seminar on History of Crime and Economy in Existing Society and Future Challenges, organized by All Indian Rights Organization and Department of Ancient Indian History and Archaeology, University of Lucknow, 12th-13th November 2013. **Name of the paper:** Social Exclusion and Crime against Dalit Women.
9. National Symposium on Human Rights Day, Human Rights in India: Contemporary Challenges, Organized by Department of Human Rights, School for Legal Studies, BBAU, 10th December, 2013. **Name of the paper:** Medical Negligence and Human Rights Issues.
10. National seminar on Violence against Women, organized by Department of Law and Economics, HPU, Shimla, sponsored by ICSSR, **Name of the paper:** "Acid Violence leads to further exclusion of women, 21st-22nd August, 2013.

K. Session Chaired at Seminar/ Conference/ Workshop

- 1) National Seminar on Environmental Pollution: Problems and Perspectives, organized by Department of Law School for Legal Studies, BBAU, 19th-20th January 2014, session on Environmental Pollution: Economic and social Perspectives. (co-chaired)
- 2) International Conference on Indian Buddhism in its Social Context: From Sakyamuni Buddha to the Present organized by Department of History, BBAU, 27th-28th March 2014

Dr. V.M. Ravi Kumar

Assistant Professor

Papers presented in seminars

- 1) Green Democracy: Relevance of Ambedkar's Buddha and His Dharma for Indian Environmentalism, International Seminar organized by School for Ambedkar Studies, BBAU, 2014.
- 2) Women Empowerment and Community Forest Management in South Indian state

of Andhra Pradesh, International Seminar Organized by School for Home Science, B B Ambedkar University, 2014, Lucknow

- 3) Sustainable Forest Management in Unsustainable Times: A Study of Participatory Forest Management in Andhra Pradesh, International Conference on Environment and Sustainability, organized by School for Environmental Science, B B Ambedkar University, 2014 Lucknow.
- 4) Inclusive Environmentalism: A Study of Jotiba Phule's Ideas from Ecological Prospective, Second Lucknow Social Science Congress, held in BBAU, 2014
- 5) Historical Roots of Green Global Governance, International Seminar organized by Department of Political Science, 2014.
- 6) Oracle of Social Equality: Spiritual Dimension of Ambedkar's Thought and Practice, International Seminar organized by Department of History, BBAU, 2014.

Papers published in journals

Inclusive Environmentalism: Relevance of Dr. Ambedkar for Indian Environmentalism, Indian Journal of Dalit and Tribal Studies and Action, 2014.

Paper communicated and accepted

History of Forest Panchayats in Colonial South India, accepted for publication in International Research Journal of Social Science.

Mr. BN Prasad , Assistant professor

Research articles

1. 'Cultic Relationships Between Buddhism and Brahman-ism in the 'Last Stronghold' of Indian Buddhism: An Analysis with Particular Reference to Votive Inscriptions on the Brahmanical Sculptures Donated to Buddhist Religious Centres in Early Medieval Magadha'. Published in Buddhist Studies Review, Journal of the U.K. Association for Buddhist Studies, London, Vol. 30, no. 2 , 2013 , pp. 181-199. ISSN (print) 0256-2897 .
2. 'A Folk Tradition Integrated into Mahâyâna Buddhism: Some Observations on the Votive Inscriptions on Sculptures of PuGdeúvari/PûrGeúvari/PuGyeúvari

Discovered in the Kiul-Lakhisarai Area, Bihar'. Published in Berlin Indological Studies, Vol. 21, 2013 pp. 299-306. ISBN 978-3-89693-611-0.

Research articles in national journals :

1. Socio-religious Dimensions of Votive Inscriptions on the Buddhist Sculptures from Early Medieval Jhewari", Chittagong. Published in Praga Samiksha, Vol. 1, no.1, pp. 29-34. Edited by Dr. Shantideva Sisodiya, Deptt. Of AIHC, Jivaji University, Gwalior, 2013.

Research articles in peer-reviewed books :

1. 'Urbanization at Early Historic Vaisali, c. BCE 600-CE 400'. Accepted for publication in Prof. D.N. Jha (ed.), Professor R.S. Sharma Memorial Volume. Manohar Publishers, New Delhi, forthcoming.
2. 'Inscriptions and Archaeology in the Mapping of Religious Settlements: The Case of the Surma Valley'. Published in Prof. D.K. Chakravarti et al (ed.), History of India, Vol.V, pp. 532-556. Aryan Books International, New Delhi, 2014. ISBN no. 978-81-7305-498-3.

Other publications in edited books:

1. 'Survival of Mahayana Buddhism in the Late Thirteenth-Early Fourteenth Century India: A Note on the 'Poetic Inscription' on a Korean Stûpa Erected in the Memory of Dhyânabhadra'. Published in Prof. P. Chenna Reddy (ed.), Bodhisri, Research India Press, Delhi, 2014, pp. 86-91. ISBN no. 978-81-89131-75-3.
2. 'Social Bases of Patronage to the Cult of the Acamahâprâtihârya in the Early Medieval Nâlandâ Area: An Epigraphical Enquiry'. Accepted for publication in Dr. C.P. Sinha (ed.), Prof. Sacchidananda Sahai Felicitation Volume.
3. 'Votive Inscriptions on the Sculptures of the Crowned Buddha at Kurkihar: Explorations in Socio-Religious History'. Accepted for publication in Dr. A.K. Chatterji (ed.), Prof. S.S. Biswas Felicitation Volume.

Papers presented in an international Conference

1. 'Decline of Buddhism in Early Medieval South-eastern Bengal: An Epigraphic Enquiry'. Paper presented at the International Conference on 'Indian Buddhism in Its Social Context: From Sakyamuni Buddha to the Present', organised by Deptt. of History, B.B. Ambedkar University, Lucknow (March 27, 2014).
2. Acharya Motiram Shastri and the Construction of Dalit Buddhism in Post-Colonial Uttar Pradesh. Paper presented at the International Conference on 'Indian Buddhism in Its Social Context: From Sakyamuni Buddha to the Present', organised by Deptt. of History, B.B. Ambedkar University, Lucknow (March 28, 2014).
3. Chaired a session titled 'Exploring the Evolution of Indian Buddhism' in the International Conference on 'Indian Buddhism in Its Social Context: From Sakyamuni Buddha to the Present', organised by Deptt. of History, B.B. Ambedkar University, Lucknow (March 27, 2014).

Organisation of an International Conference

1. I was the Organising Secretary of the International Conference on 'Indian Buddhism in Its Social Context: From Sakyamuni Buddha to the Present', organised by Deptt. of History, B.B. Ambedkar University, Lucknow (March 27-28, 2014).

Future Plans of the Department

- 1) Dept. of is planning to introduce integrated M. Phil/Ph. D Programmes
- 2) Encourage research on areas studies with special reference to South Asia
- 3) Invitation of eminent scholars for lecture series.
- 4) Initiation of BBAU History Forum for promotion of interdisciplinary approach to study History.

III. DEPARTMENT OF POLITICAL SCIENCE

About the Department

The Department of Political Science in the University is a new Department established in 2008. The department is dedicated to promote teaching and research in the emerging fields of political science like public policy and governance, comparative politics, international relations and human rights while maintaining the scholarship in some of the conventional fields like political theory, political philosophy etc. The department has six teachers and around fifty students. Since its inception, the department has been concentrating on maintaining global standards in its teaching as well as research programmes. So far, it has organized around two national seminars and five discussions which were very well received in academia and in media. Its teachers and research scholars are deeply interested in understating the social problems around them. The department is committed to give new directions to the teaching methods and research areas in the discipline.

The Department offers unique opportunities in the discipline as it is the only department of political science which offers courses in public policy and governance issues.

Presently, the department is offering Master's and PhD programmes in Political Science.

The Department has been highly active in organizing academic activities like seminar, conferences and workshops. The faculty members organized some of In order to support its academic activities and new innovative teaching methods, the Department is being provided with necessary infrastructural facilities like computers, printers, overhead projector, starboard, and

photocopy machine.

Objectives of the Department

- To promote quality teaching with regular upgradation of course structure, syllabus and course materials for the students.
- To promote comprehensive understanding of the subject by teaching both conventional and new areas of relevance in the domain of political theory an thought, Indian politics, comparative politics, public administration and international politics.
- To promote comprehensive and interdisciplinary knowledge in both teaching and research by emphasizing inter-linkings between various political, economic and social issues and challenges.
- To make teaching in political science theoretically rich and empirically grounded.
- To motivate and inform students about the opportunities and future prospects in the field.
- To develop the overall personality of students and prepare them to compete and success in their endeavors.
- To provide a progressive, healthy and vibrant environment to its students as well as teachers for the purpose of developing a department known for its academic and intellectual pursuit.
- To inculcate the values of tolerance, progressiveness and fraternity that contributes towards the making of a healthy and prosperous society.

Faculty details:-

S.No.	Name	Designation	Qualification	Area of Specialization
1.	Dr. Sartik Bagh	Associate Professor and Head of the Department	M.A, M.Phil, PhD	Political Theory/Philosophy, Indian Politics, Public Policy (Education Policies and Food Security), Panchyati Raj Institutions in India
2.	Dr. Ripu Sudan Singh	Associate Professor	M.A, M.Phil, PhD	International Relations, Ethnicity and Politics of West Asia and North Africa, Peace and Conflict Studies, Subaltern Politics in Contemporary India, UP Politics
3.	Dr. Shashi Kant Pandey	Assistant Professor (Sr. Scale)	M.A, M.Phil, PhD	Human Rights, Indian Government and Politics, Minority Issues
4.	Dr. Sidhartha Mukerji	Assistant Professor	M.A, M.Phil., PhD	Comparative Politics, Industrial Policy, Public Administration and E-Governance

Departmental-Level Academic Activities

Seminar/Conference participating by faculty		Seminar/Conference/Lecture organized by Department		Research paper Presentation by faculty		Research Paper Published by faculty		Book Published by faculty	
National	International	National	International	National	International	National	International	National	International
12	8	---	2	12	8	5	-	1	-

Seminar, Lectures and other activities during the year.

Academic Activities of the Faculty:

Dr. Sartik Bagh

Associate Professor and Head of the Department

Publication:

- Indian federalism: Past and Present (Azad Academy Journal, Maulana Azad Memorial Academy, Lucknow)
- Coalition politics: Multiple implications and consequences (Gavesana, Varanasi,)
- Affirmative Actions in India: Examining the issues, Diviner, Jan-June 2013 DAV College, Chandigarh

Paper presentation

- Paper presented on the topic "Discrimination and beyond", at Dr. Ambedkar Studies Centre and Department of Sociology, BBAU, Lucknow, held on 8-9 April 2013 (national seminar)
- Paper presented on the topic "Diversity and Affirmative Action: Situating Justice in Caste ridden Society", at BBAU, Lucknow, held on 14-15 April 2013 (international seminar)
- Paper presented on the topic "Recognition or redistribution: Situating justice in Indian context" at School for Legal Studies, BBAU, Lucknow, held on 26-27 April 2013 (international seminar)
- Paper presented on the topic "Rethinking governance", at Department of Political Science, Kashi Vidyapith, Varanasi held on 15-16 February, 2014 (national seminar)
- Paper presented on the topic "Democracy and Market Economy in post liberalisation period", at Department of Political Science, North Bengal University, Siliguri, West

Bengal, held on 27-28th Feb, 2014

Dr. Ripu Sudan Singh

Associate Professor

Publication of articles and books

- Translated a book on *Gandhi: Ecology and the Sustainable Development* (MGPE-014) published by Indira Gandhi National Open University, School of Interdisciplinary and Transdisciplinary Studies, New Delhi

Lectures Delivered

- Keynote speaker at PG College, Bansdeeh, Ballia in a National Seminar on the topic *Human Rights protection: A holistic Assessment* on 9th December 2012

Membership

- Member of Indian Political Science Association

Presentation of Seminar/Conference papers:

- Presented a paper entitled *Buddhist Philosophy and its Impact on Dalit Movement in Independent India* in a National Workshop organized by School of Studies in Political Science and Public Administration, Jiwaji University, Gwalior (M.P) on the topic **Major themes in Indian Politics-Dalit Perspective** on 30 & 31 March, 2013
- Presented a paper entitled *Buddhist & Gandhian Perspective of Human and her Surroundings* in a National Seminar organized by Institute of Gandhian Thought & Peace Studies, Gandhi Bhawan, University of Allahabad, Allahabad on the topic **Impact of Gandhian Ideas on Environmental Movements in India** on 2-3 October, 2013
- Presented a paper titled *Emerging Trends in Indian Federalism* in a U.G.C sponsored National Seminar by the Department of

Political Science, Deendayal Upadhyay Gorakhpur University, Gorakhpur, on *Indian Federalism: Problems and Prospects* on 8-9 March 2013

- Presented a paper on **Human Rights Justice with special reference to Boatmen's communities in U.P** in an International Seminar on Human Rights Law, Justice and Governance organized by the Department of Human Rights, BBAU, Lucknow on 26 & 27 April 2013

Session Chaired/Organized a Seminar/Conference:

- Organizing Secretary of a Two-day International Seminar on *"Transcending Caste: Dr. B.R. Ambedkar and Social Democracy in Contemporary India"* on 14 & 15 April 2013 in BBAU, Lucknow
- Member, Organizing Committee of Social Science Congress organized by School for Ambedkar Studies, BBAU from 14-15 March 2013

Dr. Shashi Kant Pandey

Assistant Professor

Research Publications

Books:

- *Western Political Thought*, (2011), Vikas Publishing House, New Delhi

Chapters in edited books:

- "Indian Democracy: How Inclusive?" in a book entitled *Indian Democracy: Issues, Alternatives & Policies*, ed., by Dr. Ajay Singh & B. N. Yadav, (2013), Pacific Publication, New Delhi

Articles:

- "Indian Democracy: Inclusive in Theory & Exclusionary in Practice", *Indian Journal of Political Science*, volume LXXIV, no.3, July-September 2013, pp.557-570 (jointly written with Dr. Siddhartha Mukerji)
- "Dalit Rights and State Agenda : Miles Unmeasured", *Nav Gaveshna* (An international Journal), vol. 4, Issue, 2-4, April-December 2013, pp.9-18 (jointly written with Dr. Siddhartha Mukerji)

Presentation in Seminar/Conference/Symposium/Workshop (national/international)

Paper Presentation & participation

1. Participated and jointly Presented paper in an International Conference organized by Department of Political Science, B.B.A.U on the topic "Globalization and its effects" On 22-23 March, 2014
2. Participated and Presented a paper in an International Conference organized by JaiNarayan Vyas University, Jodhpur (Rajasthan) on the Topic " Democracy in India: Representative Yet not responsive" 21-22 February, 2014
3. Presented Paper in an International Conference on " Human Rights Law, Justice and Governance" on 26-27th April, 2013 on the Topic "Right to Graceful Ageing" organized by Department of Law, BBAU, Lucknow

Projects

- ICSSR sponsored EECURI- International Project, major research project between India and Europe (Ongoing); one of the team members
- E-PG Pathsala (Political Science), MHRD project, New Delhi (Ongoing); one of the team members

Membership of Academic/Professional Bodies

Membership

1. Life Member: All India Political Science Association
2. Member: Editorial/ Advisory Board, Azad Academy Journal (ISSN Number 2248-9835)
3. Member: Departmental Research Committee
4. Member: Board for Post-Graduate Studies

Ongoing works:

- Editing a Book tentatively Entitled *"India's Tryst with Democracy"*
- Submitted Article for an edited Volume on

the Topic entitled “*Public Policy Monitoring Mechanism in India: A Critical Analysis*” Jointly written by Sudhir Kumar Suthar and Shashi Kant Pandey

- Major Research Project submitted to the U.G.C. on the Topic “*Poverty, Education and Child Labour: A Study of Carpet Industry of Bhadohi*”.

Dr. Siddhartha Mukerji

Assistant Professor

Publications:

- Party Politics and Outsourcing Policies in US: Implications for India’s IT-BPO Industry, *Journal of Indian School of Political Economy*, Pune, vol.XXIV, no.1-4, January-December 2012, p.221-233
- “Indian Democracy: Inclusive in Theory & Exclusionary in Practice, *Indian Journal of Political Science*. Volume LXXIV, no.3, July-September 2013, pp.557-570 (jointly written with Dr. S.K. Pandey)
- “Dalit Rights and State Agenda : Miles Unmeasured”, *Nav Gaveshna* (An international Journal), vol. 4, Issue, 2-4, April-December 2013, pp.9-18

Research Projects:

- Team Member of the Project entitled “Explaining Electoral Changes in Urban and Rural India” (E.E.C.U.R.I.) as a part of India-Europe Research Network Co-funded by E.S.R.C.,(U.K.) I.C.S.S.R. (India) and A.N.R.(France)
- Being part of the M.H.R.D Sponsored e-

P.G. Pathshala Project and writing modules for the Course on Comparative Politics: Understanding Advanced Industrial Societies

Presentation in Conferences/Workshops/Seminars:

- Presented a paper entitled “**Ethnic Connections and Economic Partnership: The Changing fortunes of Indo-Sri Lanka Relations**” in an international seminar on “South Asia in Global Perspective: Democracy, Human Rights and Nation Building” organized by Jai Narain Vyas University, Jodhpur, Rajasthan from 21-22 February 2014
- Presented a paper entitled “**Industrial Policy in the Context of Globalization: A Comparative Study of Pharmaceuticals, Telecommunication and IT Sectors in India**” in a national seminar on “Post-Liberalization Democratic Experience of India” organized by North Bengal University, Siliguri, West Bengal from 27-28 February 2014

Details of the students enrolled in MA and PhD Programmes

- The Total number of students enrolled in the M.A Programme of the Department in 2014-15 is 16.
- The Total number of students enrolled in the PhD Programme is 18 out of which 4 students were admitted in 2014-15.
- The number of pass-out in the M.A Programme is 07.

IV. DEPARTMENT OF SOCIOLOGY

The Department of Sociology is engaged in Post-graduate teaching and research. It is being developed as a centre of excellence in the area of Sociology. The department provides students a solid grounding in sociological theory, thought and research methodology. In addition, it offers optional courses of applied nature. It has highly qualified and dedicated faculty members who closely interact with the students and provide

them continuous feedback to improve their performance, achieve their career goals and also contribute to the development of society with a focus on the marginalized sections of society. The UGC sanctioned **Special Assistance Programme (SAP)** to the department in year 2011-12 in the thrust area ‘**Globalization, Social Transformation & Environment**’.

A. Faculty Details

Sr. no.	Name	Designation	Qualification	Area of Specialization
1.	Kameshwar Choudhary	Professor	M.A., M.Phil., Ph.D. (JNU, New Delhi)	Globalization; Development Perspectives; Sociology of Education; Sociological Theory
2.	Bibhuti Bhushan Malik	Associate Professor & Head	M.A., M.Phil., Ph.D. (JNU, New Delhi)	Sociology of Ecology and Environment; Sociology of Dalits and Ambedkar Studies; Sociology of Poverty and Economic Deprivation
3.	Manish K. Verma	Associate Professor	M.A., M.Phil., Ph.D. (JNU, New Delhi)	Sociology of Environment and Development, Leisure and Tourism, Social Thinkers, Urbanization and Rural Ecology
4.	Birendra N. Dubey	Assistant Professor	M.A., M.Phil., Ph.D. (JNU, New Delhi)	Sociology of Education; Tribal Sociology; Sociological Thought, Sociology of Knowledge
5.	Brajesh Kumar	Assistant Professor	M.A., Ph.D. (BHU, Varanasi)	Globalization and Youth; Social Demography; Quantitative Analysis using SPSS, Sociology of Education
6.	Jaya Shrivastava	Assistant Professor	M.A.(BHU), Ph.D.(VKSU) Post Doctorate (University of Houston – Clear Lake, Texas, USA)	Gender Studies; Social Gerontology; Human Rights and Social Justice; Research Methodology

B. Department-Level Academic Activities

1. Department-level Academic Activities conducted under UGC-SAP, 2013-14

Sr. No	Visiting Faculty/ Expert	Activities conducted	Topic
1.	Dr. Ashish Saxena University of Allahabad, Allahabad (Visiting Fellow under SAP)	Special Lecture & Seminar	Globalization and Dalits in India
2.	Prof. B.C. Barik Vice-Chancellor, Sambalpur University, Odisha	Special Lecture	Migration of Labour
3.	Prof. Rajesh Gill Punjab University, Chandigarh	Special Lecture	Relevance of Sociology for Social Reconstruction
4.	Dr. Smita Verma PG Deptt of Sociology, I.T. College, Lucknow University, (Visiting Fellow under SAP)	Special Lectures	Cultural Globalization & Women: Commodification or Emancipation
5.	Prof. Kiran Preet Kaur Punjab University, Chandigarh	Special Lectures	A Discourse on Research Methodology
6.	Dr. Rabindra Kumar IGNOU, New Delhi (Visiting Fellow under SAP)	Special Lecture	Social Exclusion/backwardness of Dalits and Related Issues
7.	Prof. Abhijit Mitra Burdwan University, West Bengal (Visiting Fellow under SAP)	Special Lecture & Seminar	Social transformations in the Contemporary period & Seminar on “The New Individual in the Global World

B2. Department SAP Library-cum-Computer Lab started.

C. Academic Activities of the Faculty (April 2013-March 2014)

C1 Award/Honors/Fellowship

1. Jaya Shrivastava

Awarded Certificate of appreciation for publishing research work in the journals with high impact factor in the year 2013-14 by Babasaheb

Bhimrao Ambedkar University (A Central University), Lucknow.

Awarded Certificate of Appreciation in recognition of valuable contribution as the Raman (Singh-Obama) Fellow by University of Houston-Clear Lake, Texas, USA.

Awarded Sociology Certificate of Recognition by Department of Sociology, University of Houston, Clear Lake, USA, 2014.

Awarded Raman/Singh-Obama Fellowship for Post-Doctoral Research for Indian scholars in

United States (USA) for the year 2013-14, by University Grants Commission, New Delhi, India.

C2 Books/edited books/ monograph(s) Published-

1. Birendra Narain Dubey

Contextualizing Primary Education among Tribes, Samvet Publishers, Kanpur, ISBN 978-81-923-572-5-6,

C3 Book Chapters

1. Bibhuti Bhushan Malik

"Social Exclusion, Poverty and the Health of Dalits in U.P: A Reflection from Field", in Ashsih Saxena (ed.), Marginality, Exclusion and Social Justice, Rawat Publisher, Jaipur, 2013, ISBN No-978-81-316-0568-4 (Pages. 323- 345).

2. Manish Kumar Verma

"Modernization of Indian Tradition: Introspecting Equitable Development Paradigm". Published in I. P. Modi (ed.), "Polity, Civil Society and Development", Rawat Publications, Jaipur, 2014.

3. Birendra Narain Dubey

Booklet titled "Aparadh Shashtra: Prakrit Ewam Awdharana" Uttar Pradesh Rajshree Tandon Open University, Allahabad.

C4. UGC - SAP Working Paper Series

1. Bibhuti Bhushan Malik

"Social Interaction and exclusion in a Globalised Era: A Narrative of Poverty of Dalit in Eastern Uttar Pradesh". (Co-authored)

2. Jaya Shrivastava

"Population Ageing and Affirmative Policy for The Elderly in Globalising India: A Need For Policy Reorientation".

3. Brajesh Kumar

"Dynamics of Choice and Inequality in Higher Education in Post-Reform Period with Reference to Young People in Metropolitan Delhi".

C5. Articles/papers in journal (s).

1. Bibhuti Bhusan Malik

"Drug Abuse in India: Grounding Research in Ecological Risk and Resilience Theory", Family

and Consumer Sciences Research Journal, Vol. 41, No. 2, December 2012, (©American Association of Family and Consumer Sciences) pp.172-182 (Co-author), Online ISSN: 1552-3934.

2. Manish K. Verma

"Relevance of Gandhian Modernity in the Contemporary Era." Article published in Research Process, International Journal of Social Research Foundation, Vol. 2, No. 1', January-June 2014. (ISSN-2321-211X).

"Food Security: Existing Policies and Challenges with reference to Bundelkhand Region of Uttar Pradesh". Published in Vikash International Journal of Management, Science and Technology, Delhi, Jan-Feb-2014 (ISSN No. 2277-4963).

"Modernization of Indian Tradition: Introspecting Equitable Development Paradigm". Published in I. P. Modi edited book, "Polity, Civil Society and Development" from Rawat Publications, Jaipur, 2014.

3. Jaya Shrivastava

"Population Ageing and Affirmative Policy for the Eldery in Globalising India: A Need for Policy Reorientation", Working Paper-4: UGC-SAP, Department of Sociology, Babaahab Bhimrao Ambedkar University, 2013.

"Locating Lohia in Feminist Theory", in Economic and Political Weekly, Vol. XLIX No 5, 2014, (also published in Janata Vol. 69 No. 5 & 6, March 2 & 9, 2014 and www.lohiato day.com).

"Population Aging and Affirmative Policy for the Elderly in India: A Need for Policy Reorientation", in Indian Journal of Gerontology, A Quarterly Journal (ISSN 0971-4189), Vol.28 No. 2, 2014.

C6. Book review/Peer Reviewed

1. Bibhuti Bhushan Malik

"Global Governance, Poverty and Inequality by Jennifer Clapp and Rorden Wilkinson (ed.) Routledge, London and New York, 2010," in Comparative Sociology 12, 2013, (Pages. 132 - 134).

2. Manish Kumar Verma

"Sociological Theories", Edited/Peer Reviewed for Sikkim Manipal University,

Published from Vikas Publishing House Pvt. Ltd., Noida (U.P.), 2013.

“Social Demography”, Edited/Peer Reviewed for Sikkim Manipal University, Published from Vikas Publishing House Pvt. Ltd., Noida (U.P.), 2013.

“Political Sociology”, Edited/Peer Reviewed for Sikkim Manipal University, Published from Vikas Publishing House Pvt. Ltd., Noida (U.P.), 2013.

“Social Movements in India”, Edited/Peer Reviewed for Sikkim Manipal University, Published from Vikas Publishing House Pvt. Ltd., Noida (U.P.), 2013.

3. **Jaya Shrivastava**

T.V. Shekhar and Neelamber Hatti edited book, *Unwanted Daughters: Gender Discrimination in Modern India*, New Delhi: Rawat Publications, *Sociological Bulletin, A Journal of Indian Sociological Society*, ISSN: 0038-0229, 62/1, Jan. - Apr. 2013.

C7. **Articles in newspapers.**

Nil

C8. **Lectures delivered**

1. **Kameshwar Choudhary**

Delivered Valedictory Address at International Seminar on ‘Multiple Modernities and Social Inclusion’, organised by CSSEIP, Faculty of Social Sciences, Banaras Hindu University, Varanasi, February 25-27, 2014.

Delivered Valedictory Address at National Seminar on “New Roles and Challenges before Indian Youth”, organised by J.N.P.G. College, Lucknow, on 29-30 Nov. 2013.

Delivered lecture at Panel Discussion on “Contemporary Issues in Social Sciences”, at Second Lucknow Social Science Congress on Public Accountability, Inclusive Growth and Social Transformation, organised by B.B. Ambedkar University, at B.B. Ambedkar University, March 6-7, 2014.

Delivered a lecture at ‘Symposium-II: Revisiting Urban Planning,’ at the National Seminar on Inclusive Spaces for Urban Poor Citizens in City Development & Governance, organised by Department of Sociology, Lucknow University, Lucknow, 1-2 February, 2014.

Delivered a lecture on “Theorisation in

Social Sciences”, in Capacity Building Programme for Social Science Faculty Members, at Giri Institute of Development Studies, Lucknow on 18 October 2013.

Delivered a lecture on “Concepts and Hypothesis”, at Capacity Building Programme for Social Science Faculty Members, at Giri Institute of Development Studies, Lucknow on 18 October 2013.

2. **Bibhuti Bhushan Malik**

Delivered lecture as a Panelist on Union Budget 2014-15 and the Marginalized Communities in India, at a national level Discussion on Battle for Union Budget 2014-15, at Deputy Speaker’s Hall, Constitution Club, Rafimarg, New Delhi, Organised by National Confederation of Dalit Organisation (NACDOR), New Delhi on 15th July 2014.

Delivered lecture as a Panelist on Sarbshikhya Abhijan and Inclusive Uttar Pradesh at a State Convention on ‘Towards Inclusive Uttar Pradesh: Addressing Exclusion Issues in Flagship Programmes’ held at Hotel Gomati, Lucknow Organised by National Confederation of Dalit Organisation (NACDOR), New Delhi, 3rd- 4th June 2014.

Delivered special lecture on Culture Change in India in the era of Globalization as a Resource Person at the National Seminar on Challenges and Prospects of Indian Culture in Present Times Organized by Department of Sociology, Banaras Hindu University, Varanasi, on 29th -30th March, 2014.

Delivered lectures in two sessions as a Resource Person on Globalisation, Human Rights and Dalits at an Orientation Course Organized by Deptt. of Law, Academic Staff College, Santh Gadge Baba Amravati University, Amravati, Maharashtra on 25th February 2014.

Delivered lectures in two sessions as a Resource Person on Globalization and Dalits at an Orientation Programme, Organized by Academic Staff College, Santh Gadge Baba Amravati University, Amravati, Maharashtra on 25th February 2014.

Delivered lectures in two sessions as a Resource Person on Poverty as a Social Problem at the Refresher Course in Social Science (Sociology & Social Work), Organized by Academic Staff College, Santh Gadge Baba Amravati University, Amravati, Maharashtra on 24th February 2014.

Delivered a lecture on Social Exclusion, Poverty and Health of Dalits: A Sociological Viewpoint, at the International Conference on 'Scientific and Technological Advancements: Social Issues and Health Concerns', Organized by School of Home Science, B.B. Ambedkar University, Lucknow on 18th-19th February, 2014.

Delivered a lecture as a Panelist on Changing Facets of Values in Modern Society: A Sociological Analysis at a Regional Seminar on Changing Values in Modern Society Organised by Dept. of Sociology, Munshi Raghunandan Prasad Sardar Patel Mahila P.G. College, Barabanki on 10th December 2013.

Delivered lecture as a Panelist on Regional Disparity in India: The Demographic Dividend of Uttar Pradesh at the National Seminar on Regional Disparity in India- A Special Reference to Uttar Pradesh Organized by Dept. of Economics, M.G.Kashi Vidyapeeth, Varanasi on 31st November-1st December 2013.

Commented on the paper 'Religion, Caste and Modernity: Ambedkar's Construction of Buddhism' at the National Seminar on "Buddhism, Neo-Buddhism and the Question of Caste", jointly organized by Central University of Tibetan Studies, Sarnath and Indian Council of Philosophical Research, New Delhi, 3-5 October 2013.

Delivered lecture as a Panelist on Dalits in Uttar Pradesh: A Profile at a National level Consultation on 'Inclusive Uttar Pradesh' held at Hotel Gomati, Lucknow Organised by National Confederation of Dalit Organization (NACDOR), New Delhi, 3rd October 2013.

Delivered Lectures on Concept of Research in Social Sciences in two sessions as Resource Person at 'Research Methodology in Social Sciences: Interdisciplinary Perspectives' (for one week) organized by Centre for Study of Social Exclusion and Inclusive Policy, Banaras Hindu University, Varanasi, 18 August 2013.

Delivered Lectures on Field Work in five sessions as Resource Person at Sponsored Capacity Building cum Research Methodology Course for Faculty of Social Science, Humanities and Language, organized by Department of Sociology, Assam University, Silchar, Assam, 20-23rd June 2013.

Delivered Lectures on Concepts in Research and Content Analysis in two sessions as Resource Person at Ten Days Research Methodology Course

for Ph.D. Students (SC/ST Category) on Research Methodology in Social Sciences, organized by Department of Sociology, Banaras Hindu University, Varanasi, 30 May 2013.

3. Manish K. Verma

Delivered Lecture as Resource Person in a Symposium on the Topic, "Building an Ecologically Sustainable Society" organized by Babasaheb Bhimrao Ambedkar University, Lucknow in association with Indian Academy of Social Science, Allahabad, Prof. H.S. Srivastava Foundation for Science and Society, Lucknow, Association of Socio-economic Development Studies, Lucknow, Society of Earth Scientists, Lucknow on 16th Aug' 2013.

Delivered Lecture as Resource Person on the topic, "The problem of Involuntary displacement: Causes and Concerns", at UGC-Academic Staff College, Sambalpur University, Sambalpur, Orissa on 23rd May 2013 for the participants of Special Summer Course in Science held from 10.05.2013 to 30.05.2013.

Delivered Lecture as Resource Person on the topic, "Introspection into various provisions related to Land Acquisition Act and resettlement and Rehabilitation Act in India", at UGC-Academic Staff College, Sambalpur University, Sambalpur, Orissa on 23rd May 2013 for the participants of Special Summer Course in Science held from 10.05.2013 to 30.05.2013.

Delivered Lecture as Resource Person on the topic, "Social and environmental Movements with highlight on Chipko and some other movements", at UGC-Academic Staff College, Sambalpur University, Sambalpur, Orissa on 22nd May 2013 for the participants of Special Summer Course in science held from 10.05.2013 to 30.05.2013.

4. Birendra Narain Dubey

Delivered special lecture on "Marginalization and Positive Discrimination" at UGC Short term Course on the theme of Positive Discrimination organized by Equal Opportunity Centre, D.A.V. PG College, Lucknow, 23-28 September, 2013.

C9. Research projects/ consultancy

1. Dr. Bibhuti Bhushan Malik

Consultancy Project- "Uttar Pradesh State Level Nutrition Report and Report Card" Sponsored by Centre for Alternative Dalit Media

(CADAM) and NACDOR, New Delhi, 2014.
(Ongoing)

C10. Membership in various government and other bodies (out of BBAU)

1. Prof. Kameshwar Choudhary

Indian Sociological Society
Indian Social Science Association
Indian Academy of Social Sciences

2. Dr. Bibhuti Bhushan Malik

Member, Advisory Board, Samudayik Kalyan Avam Vikas Sansthan, Kushinagar.

Member Editorial Board, Journal of Dalit and Tribal Studies, BHU, Varanasi.

Member, Advisory Board, Journal of Social Reality, Darbhanga.

Member, Expert Committee UGC-Epoch Making of Indian Thinkers (Ambedkar), University Grants Commission, New Delhi

Indian Sociological Society

Marathi Samaj Shashtra Parishad

3. Dr. Manish K. Verma

Member, International Sociological Association (ISA)

Life Member, Indian Sociological Society (ISS)

Life Member, Rajasthan Sociological Association (RSA)

Deputy Coordinator, UGC-SAP, BBAU, Lucknow

Peer Reviewer/Content Reviewer of Study Material, Sikkim Manipal University

Course-Coordinator, Sikkim Manipal University

Secretary, RC-07, Rural, Tribal and Peasant sociology of Indian Sociological Society (ISS)

Member, Advisory Board, journal 'Abhisaran', Bid, Maharashtra

Member, Editorial Board, journal 'Research Process', Aurangabad, Maharashtra

4. Dr. Birendra Narain Dubey

International Sociological Association
Indian Sociological Association

Comparative Education Society of India

Indian Teachers' Association

Member, Advisory Board of Journal-Nagrik, Uttar Pradesh.

5. Dr. Brajesh Kumar

Member, National Editorial Advisory Board, Journal of Social Welfare and Management, Delhi.

6. Dr. Jaya Shrivastava

Member, Editorial Board, All Journals published by Rajakiya Sangrahalaya, Jhansi.

Member, Editorial Board, Indian Journal of Bio-Research, Social Science Volume, Lucknow.

Member, Editorial Board, Research Post Journal, Jaipur.

Member, Indian Sociological Society

Member, American Sociological Society

Member, Asian Association of Women's Studies

C11. Paper presented in seminar/ conference/ workshop etc.

1. Kameshwar Choudhary

Made a presentation on "Modernisation in the Context of Globalisation: Some Conceptual and Theoretical Issues", in the session on Understanding the Tradition-Modernity Complex, at the Inter-disciplinary Seminar Towards Understanding 'Modernisation of Indian Tradition', organised by CSSS, SSS, JNU, New Delhi, 9-11 December 2013.

Made a presentation on "Societal Dynamics of Globalisation, Development and Social Justice", at Symposium III on Dynamics of Globalisation, Development and Social Justice in BRIC Countries, at 39th All-India Sociological Conference, organised by Indian Sociological Society, at Karnataka State Open University, Mysore, 29-29 December 2013.

2. Bibhuti Bhushan Malik

Made a presentation on "Cultural and Civilisational Movement in Contemporary India-Ambedkar Buddhism" at an International Seminar Organized by Department of History, B.B. Ambedkar University, Lucknow on 27th -28th March, 2014.

Made a presentation on Ecological Degradation, Displacement and Development: Exclusion of Tribes of Odisha at the National Seminar on Department of Sociology, Assam University, Silchar, Assam, 22-24th April 2013.

Presented a paper on Cultural and Civilisational Movement in Contemporary India-Ambedkar Buddhism at an International Seminar Organized by Department of History, B.B. Ambedkar University, Lucknow on 27th -28th March, 2014.

3. Manish Kumar Verma

Presented a paper on the topic, "Social reality from the Perspective of a Differently-Abled Person: Some Specific Issues of Concern" in a National Seminar on the topic, Differently-Abled Person in India: reality and Challenges organized by Centre for the Study of Social Exclusion and Inclusive Policy, Babasaheb Bhimrao Ambedkar University Lucknow on 10-11 March, 2014.

Presented a paper on the topic, "Development Disparities and Youth Unrest: Issues of Naxalism and Terrorism" in a National Seminar on the topic, Youth, Naxalism and Terrorism: The politics of Development in Indian Subcontinent organized by PG Department of Sociology, Isabella Thoburn College, Lucknow on 21-22 February 2014.

Presented a paper on the topic, "Urban Sprawl and Peri-Urban Environment: A Sociological Insight", in a National Seminar organized by Indian Sociological Society at Karnataka State Open University, Mysore on the theme ' Inequality, Social Justice and Empowerment' from 27 to 29th Dec' 2013.

Presented a paper on the topic, "Social exclusion and health Predicament: Study of Badokhar Khurd Block of Banda District of U.P. Bundelkhand" in a National Seminar organized by Department of Sociology, DDU Gorakhpur University, Gorakhpur on the theme 'Social development in India: Issues and Challenges on 15-16 November, 2013.

Presented a paper on the topic, "Food Security: Existing Policies and Challenges with reference to Bundelkhand Region of Uttar Pradesh" in a National Seminar organized by A.N. Sinha Institute of Social Studies, Patna on Food Security Bill 2013 and Its Implication on Backward States on 11-12 September, 2013.

"Emerging Trends of castes in India: Some Reflections". Paper presented in an International Conference organized by Babasaheb Bhimrao Ambedkar University, Lucknow on 14-15 April, 2013 on the theme, Transcending Caste: Dr. Ambedkar and Social democracy in Contemporary India.

"Discourse of Governance and Human Rights in Peri-Urban Areas: Emerging Trends in Lucknow City," Paper presented in an International Conference organized by School for Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow on 26-27 April 2013 on the theme, Human Rights Law, Justice and Governance.

1. Birendra Narain Dubey

"Is Decastization an Answer to the Institutional Identity? A Sociological Discourse" presented at the International Seminar on Transcending Caste: Dr. B. R. Ambedkar and Social Democracy in Contemporary India organized by the School for Ambedkar Studies, Babasaheb Bhimrao Ambedkar University, Lucknow, 14-15 April, 2013.

"Contextualizing Right To Education Act in India. Some Sociological Concerns" presented at the International Seminar on Human Rights, Justice and Governance organized by the School for Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow, 26-27 April, 2013.

"Child Health Care Programme and Social Exclusion" presented at the national Seminar on Social Development in India: Issues and Challenges organized by the Department of Sociology, DDU, Gorakhpur, 15-16 November, 2013.

Paper titled "Youth and Vulnerability in Higher Education: A Study of Lucknow City" presented at the national Seminar on New Roles and Challenges Before Indian Youth organized by the Department of Sociology, J.N. PG College, Lucknow, 29-30 November, 2013

"Contextualizing Right to Education Act (2009) In Private Schools: A Study of Lucknow City" presented at the national Seminar on Inequality, Social Justice and Empowerment organized by XXXIX All India Sociological Conference at Karnataka State Open University, Mysore, 27-29 December, 2013.

“Understanding Environmental Pollution Through Neo-Marxist Paradigm. Some Reflections from Contemporary India” presented at the national Seminar on Environmental Pollution: Problems and Prospects organized by the Department of Law, School for Legal Studies, Babsaheb Bhimrao Ambedkar University, Lucknow, 19-20 January, 2014.

2. Brajesh Kumar

“Socio-Demographic Correlates of Anaemia among Women in Uttar Pradesh: Evidence from National Family Health Survey”, paper presented in the International Conference on “Scientific and Technological Advancements: Social Issues and Health Concerns” organized by School of Home Science, Babasaheb Bhimrao Ambedkar University, Lucknow, 18 - 19 February, 2014.

“Pluralism, Democracy and Nation-State in the Era of Globalization: The Case of India”, paper presented in the International Seminar on “Social Institutions: Challenges and Solution” organized by Department of Sociology, Mahatma Gandhi Kashi Vidyapeeth, Varanasi, 18 - 19 January, 2014.

3. Jaya Shrivastava

“Gender Gap in Environmental Consciousness: An Empirical Study”, paper presented at the Sociology Colloquium at the University of Houston-Clear Lake, Texas, USA on January 27, 2014.

“Understanding Ambedkar’s Perspective on Social Inequality: Intersectionality of Caste and Gender”, paper presented in the International Seminar on the theme “Transcending Caste: Dr. B.R. Ambedkar and Social Democracy in Contemporary India”, held on 14th & 15th April, 2013 at BBAU, Lucknow.

C12. Session chaired at seminar/ conference/ workshop etc.

1. Kameshwar Choudhary

Chaired session on ‘Pragmatic Challenges in Countering the Problem of Naxalism: An Interface with the Bureaucracy, Media and Academia’, at National Seminar on Youth, Naxalism and Terrorism: The Politics of Development in Indian Subcontinent, organised by P.G. Department of Sociology, I.T. College, Lucknow, February 21-22, 2014.

Chaired session on “Differently-Able Person, Exclusionary Tendency and Inclusive

Policy”, at National Seminar on Differently-Abled Persons in India, organised by CSSEIP, BBA University, Lucknow, 10-11 March, 2014, 2014.

Chaired session on ‘Democracy and Representation’, at Second Northern Regional Social Science Congress, organised by Giri Institute of Development Studies, Lucknow, February 27-28, 2014.

Chaired session on “Socially Engaged Buddhism in Modern India”, at International Conference on Indian Buddhism in Its Social Context: From Sakyamuni Buddha to the Present, organised by Department of History, B.B. Ambedkar University, Lucknow, 27-28 March 2014.

2. Bibhuti Bhushan Malik

Chaired a session and delivered a lecture on “Issues of Dalits: Changeless and Strategies” at the National Seminar on “Dalit Issues: Strategies for Comprehensive Escalation and Progress” (Sponsored by Department of Higher Education, Government of U.P.) Organized by Savitri Bai Fule Government Post Graduate College, Chakia, Chandauli on 30th March, 2014.

Chaired a session and delivered lecture on “Different Aspects of Buddhism in Asia” at an International Seminar on “Indian Buddhism in its Social Context: From Sakyamuni Buddha to Present” Organized by Department of History, B.B. Ambedkar University, Lucknow on 27th -28th March, 2014.

Chaired a session and delivered a lecture on “Social Exclusion, Marginalized Communities and Globalization” at the National Seminar on “Marginalized Community, Social Exclusion and Globalisation: Northeast Perspective” Department of Sociology, Assam University, Silchar, Assam, 22nd-24th April 2013.

3. Manish Kumar Verma

Chaired a session on “Youth, Naxalism and Terrorism: Regional Voices and Concerns” in a National Seminar on the topic, Youth, Naxalism and Terrorism: The politics of Development in Indian Subcontinent organized by PG Department of Sociology, Isabella Thoburn College, Lucknow on 21-22 February 2014.

Chaired a session on “Environmental Pollution: Economic and Social Perspectives” in a National Seminar on the topic, Environmental Pollution: Problems and Perspectives organized

by Department of Law, School of Legal Studies, Babasaheb Bhimrao Ambedkar University Lucknow on 19-20 January 2014.

Chaired a session on “Science, Technology and Society” in a National Seminar organized by Indian Sociological Society at Karnataka State Open University, Mysore on the theme ‘Inequality, Social Justice and Empowerment’ from 27 to 29th Dec’ 2013.

Chaired a session on “Basic Needs and Governance” in an International Conference organized by School for Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow on 26-27 April 2013 on the theme, Human Rights Law, Justice and Governance.

Chaired a session on “Decoding Dr. Ambedkar’s Vision on Social Democracy for

Independent India” in an International Conference organized on the theme, Transcending Caste: Dr. Ambedkar and Social Democracy in Contemporary India, by Babasaheb Bhimrao Ambedkar University, Lucknow on 14-15 April, 2013.

C13. Autumn School/Workshop/Training Programme/Attended.

1. Brajesh Kumar

Refresher Course in Sociology, organized by UGC Academic Staff College, University of Lucknow, 18 November – 07 December, 2013.

C14. Ph.D. (awarded), name of candidate, title, name of supervisor.

Nil

CENTER FOR THE STUDY OF SOCIAL EXCLUSION AND INCLUSIVE POLICY (CSSEIP)

Vision

The Center for the Study of Social Exclusion and Inclusive Policy (CSSEIP) visualized to build Indian society to achieve its egalitarian objective. The center stand as a harbinger of social transformation by creating an avenue which will be known for her distinctiveness, originality,

creativity and Innovation both in teaching and research. It’s central attraction is Inclusive development is to sustain development through inclusion (of marginalized community of different kinds and categories) and preserving and promoting harmony, peace, equity and justice in Indian Society through the application interdisciplinary Knowledge.

A. Faculty Details

Sr. No.	Name	Designation	Qualification	Area of Specialization
1	Dr. Prasmita Mohanty	Associate Professor-cum-Deputy Director	M.A.,M.Phil, Ph.D.(Education)	Education od SC Girls, Elementary Education, & Co-relates of Achievement.
2	Rudra Prasad Sahoo	Assistant Professor-cum-Assistant Professor	M.A.(Pol.Sc.), M.Phil	Ideology, Democratic Institution: Theory and Practices
3	Bibekanand Nayak	Assistant Professor-cum-Assistant Professor	M.A.(Sociology), M.Phil,	Sociology of Social exclusion of Tribal and Dalit,Sociology of Rural Development, Sociology of Ecology Health and Development.
4	Dr. Sangeeta Krishna	Assistant Professor-cum-Assistant Professor	M.A., Ph.D.(History)	Indian History: Social and Contemporary History and Gender Studies.
5	Dr. Jogendra Kumar	Research Associate	M.A.(History, Political Science), Postmaster Diploma in Adult, Continuing Education & Extension, LL.B., Ph.D. (Adult & Cont. Education)	Human Rights Education, Adult, Cont. Education & Extension Education, Labour Law, Industrial Law, International relations, Public Administration, Indian Administration
6	Dr. Md. Reyaz Ahmad	Research Associate	M.A.(Public Administration.), Ph.D.	Public Policy and Governance, Exclusion of Muslims Minority.

A. Department Level Academic Activities.

1. Team Paper on Ambedkar Villages: An Alternative to Village Development Case Studies from Lucknow, *Voice of Dalits*, Vol.6, No. I, June 2013 .ISSN No0974-3545.
2. Develop papers and curriculum for M.A. (Development studies) 1&2 Year students.

B.1 Seminar/Lectures and other activities (in figure) during year

S.No.	Activity	Topic	Funding	Period	Convener
1	National Seminar	Differently abled persons in India: Reality and Challenges	ICSSR & BBAU	10-11 March,2014	Mr. Bibekanand Nayak

B. Academic Activities of the Faculty**C. Teaching****Dr. Sangeeta Krishna**

1. Taught Compulsory Paper (PGL CP1) Research Method and Legal writing (3 classes per week) in One Year LL.M 1st Semester (16th September till the end of Semester) (Home Test, Assignments, Seminar Presentation so on and so forth)
2. Have been assigned 02 class per week on Law and Justice in a Globalizing World(PGL CP 4) One Year LL.M 2nd Semester (from January 28,2014), including Dissertation(Co- supervisor for 04 students)

C.2 Book's Chapter with details of title, editors name, publishers, place of publication, year etc.**Dr. Md. Reyaz Ahmad**

1. *Akhari Suf: Addressing the Issues of Muslim Dalits in Democratic India.*(2013) Ed. K. Arjun Rao, Studies in Indian History, Festschrift to Prof. Adapa Satyanarayana, Research India Press, New Delhi (India)

C.3 Article/Paper in Journals [only published and accepted Articles/Papers]**A. Publication****Rudra Prasad Sahoo**

1. Article titled "TRANSFORMATIVE HARMONY AND INCLUSIVE DEMOCRACY" in GANDHI MARG,GANDI PEACE FOUNDATION

,NEW DELHI Vol.35, No. 01, April-June 2013, pp 179-188.

2. Research paper entitled , " AMBEDKAR VILLAGES: AN ALTERNATIVES TO VILLAGE DEVELOPMENT, VOICE OF DALIT, ISSN 0974-3545

Bibekanand Nayak

1. Research paper entitled " Ambedkar Villages: An Alternative to Village

Development Case Studies from Lucknow, *Voice of Dalits*, Vol.6, No. I, June 2013 .ISSN No0974-3545

Dr. Sangeeta Krishna

1. Paper on Ambedkar Villages: An Alternative to Village Development Case Studies from Lucknow, *Voice of Dalits*, Vol.6, No. I, June 2013 .ISSN No0974-3545
2. Higher Education and Dalit Women: The Question of Access Inclusivity and Equity, *Golden Research Thoughts, Vol 2, Issue 11, May 2013* ISSN No 2231-5063 .

Dr. Jogendra Kumar

1. Paper on Ambedkar Villages: An Alternative to Village Development Case Studies From Lucknow, *Voice of Dalit*, Vol.6,No.1,June 2013, ISSN N0.0974-3545

Dr. Md. Reyaz Ahmad

1. Team Paper entitled , " AMBEDKAR VILLAGES: An Alternatives To Village Development, VOICE OF DALIT, ISSN No. 0974-3545

B. Under Consideration/Publication:**Dr. Sangeeta Krishna**

1. Interrogating Social(Gender) Exclusion and Searching for Inclusivity: From History To Modern Times. *Indian Stream Research Journal*, Vol.3, Issue April 2013,ISSN No; 2230-7850
2. Research Article (Joint) on Dalit Itihas Lakhan Aur Lok, Sanskrit, Badlo Se Ahinsavadi Andolan Tak sent to Nirdayan Varsiki Patrika.

Dr. Jogendra Kumar

1. Submitted a research article to Hindi Cell, BBAU LKO "Kam Calori se old ko Gold banai".

C.5 Research Project/ Consultancy Completed/Ongoing/Sanctioned/ Submitted

A. Completed Project :

Dr. Sangeeta Krishna

1. Major Research Project on **Atrocities on Dalits in Uttar Pradesh: Factors and Remedies sanctioned** by University Grants Commission, New Delhi(submitted after July 31, 2013)

B. Ongoing Projects :

Rudra Prasad Sahoo

1. ICPR sponsored - Major Research Project on "Democratic essence political community represent in and dialogic subject : A Comprising of weaker philosophical reflection with Dr. Ambedkar verge of submission of April 2014.

Bibekanand Nayak

1. UGC sponsored- project on "Tribal women's livelihood security trough the MNREGA : A Case Study of Kandmal Distric, Orisa, sanctioned amount Rs. 1,30000/-
2. ICSSR has sanctioned Major Project on the Title: influence of NRHM on the health status of scheduled caste and scheduled tribe women: a case study in Odisha. Working as a principal investigator. Sanction amount,8,00,000/-

Dr. Sangeeta Krishna

1. Folk lore and Oral Tradition in History Writing with special reference to folk songs of Marginalized Communities in India (1857-1947)sanctioned by Indian Council of Historical Research , New Delhi. (Preparation of Report ongoing)
2. Unravelling Folklore and Oral Tradition of the Marginalized Communities and Its Role in Democratic Social Order, Indian Council of Social Science Research (ICSSR), New Delhi.

C.6 Membership in various Government and other Bodies

Rudra Prasad Sahoo

- Life Member of Socio-Economic Development Study, Lucknow.

Bibekanand Nayak

- Association of Socio-Economic Development Study, Lucknow.

Dr. Jogendra Kumar

- Life Member Indian Political Science Association (IIPSA)

Dr. Md. Reyaz Ahmad

- Life Member, Indian Political Science Association (IIPSA)

C.7 Paper Presented in Seminar/ Conference/Workshop etc.

A. Ograniging Member of The comiitees

Seminar Organized:

Bibekanand Nayak

1. National seminar organized on the theme "Differently abled person in India : Reality and Challenges" on 10th-11th march ,2014 at B.B.Ambedkar university, Sponsored by ICSSR

Dr. Sangeeta Krishna

1. As Organizing Secretary organised for the Second Lucknow Social Science Congress 2014, organized by the University on March 6-7, 2014. (Preparation of Proceeding in Progress)

Dr. Jogendra Kumar

1. Worked as a member Second Lucknow Social Science Congress 2014.
2. Worked as a member INTERNATIONAL SEMINAR ON INDIAN BUDHSIM IN ITS SOCIAL CONEXT FROM SHAKYAMUNI BUDHHA TO PRESENT. 27-28 march 2014 . Organised by department of History, BBAU Lucknow.

Dr. Md. Reyaz Ahmad

1. Member of Organizing Committee of an International Seminar on *Transcending Catse; Dr. B.R. Ambedkar and Social Democracy in Contemporary India* dated on 14-15 April

2013, organized by Babasaheb Bhimrao Ambedkar University, Lucknow

2. Member of Organizing Committee of an International Seminar on INDIAN BUDHSIM IN ITS SOCIAL CONEXT FROM SHAKYAMUNI BUDHHA TO PRESENT. 27-28 march 2014 . Organised by department of History, BBAU Lucknow.
3. Associated with the organisation of Seminar on the Occasion of National Education Day dated 14 Nov,2013.

B. Chaired in the seminar

Dr. Jogendra Kumar

1. Resource person of technical session 4 in the National Conference on **"Pradesh Rajya, Rajniti Aur Samajik Parivartan."** April 2013 organised by The Council for Peace, Development and Cultural Unity Morena and Navyug. Government Degree College Jabalpur M.P.
2. Resource person of technical session 3 in the National Conference on **"Dr. B.R. Ambedkar ke Chintan mein Samajik Nyay Aur Bharatiya Samajik Sanrachana"** (08 September 2013 organised by The Council for Peace, Development and Cultural Unity Morena and Sharang rang Shivir, Bhopal M.P.

C. Seminar Paper Presentation

1. (International)

Rudra Prasad Sahoo

1. Paper entitled, **" Ambedkar on Democracy" presented in a International seminar on Transcending Caste: Dr B.R.Ambedkar and Social Democracy in contemporary India"**, Department of Political Science, BBAU, Lucknow on 21-22 Feburary 2014.

Bibekanand Nayak

1. Presented paper on **"Relevance of Value Education: social Science Perspective" a International seminar on "Transcending caste: Dr. B.R. Ambedkar and social democracy in contemporary India"**, organized by school for Ambedkar studies, Lucknow. Babasaheb Bhimrao Ambedkar university (14-15 April, 2013).
2. **Presented paper on "Livelihood and MGNREGA: A Case Study of Kondh Tribe , Odisha"** a International seminar on

"Human rights law, justice and governance", organized by School for legal studies, BBAU, LUCKNOW, (26th-27th April, 2013

3. Presented paper on **"Gandhian Philosophy: Education for Inclusive Development" a International seminar on "World conference on Gandhian thought: globalization & education"**, organized by global educational research association & T N center for education, Kathmandu, Nepal. (02-03 Sept, 2013).
4. Presented paper on **"Structural injustice, Tribal and Poverty: A Case of Odisha" in a International seminar on "Global Politics and Governance in 21st Century: Emerging Trends and Global Concerns"** held on 22-23rd of March, 2014 ,organised by the Department of Political Science, Babasaheb Bhimrao Ambedkar Central University, Lucknow
5. Presented paper on **"Towards understanding of Hinduism to Buddhism: Ambedkar perspective" a International seminar on " Indian Buddhism in its social context : From Sakymuni Buddha to the present"**, organized Department of History, Babasaheb Bhimrao Ambedkar university (27-28, March, 2014)

Dr. Sangeeta Krishna

1. Dalit Women and Human Rights: The Paradox of Caste Impurity and Sexual Exploitation in International Seminar on Human Rights Law, Justice and Governance organized by school for Legal studies, Babasaheb Bhimrao Ambedkar (Central) University, Lucknow, April 26-27, 2013.
2. Inclusion of Women in Science and Technology; A Way Towards Development in International Conference organised by School for Home Sciences, BBAU, Lucknow on February 18-19,2014

Dr. Jogendra Kumar

1. Presented paper on "Dr. Bhimrao Ambedkar Evam Samajik Bahishkrit Samaj " An International seminar on "Transcending Caste: Dr. B.R. Ambedkar and Social Democracy in Contemporary India" organised by Babasaheb Bhimrao Ambedkar University (A Central University Lucknow U.P. during 14-15 April 2013.

2. Presented paper on "Bharat Mein Rojgar srijan Aur Samajik Chunoutiyan". An International seminar on "Economic Development with Devaluation of Non-economic Values: Problems and Remedies" Organised by Swami Shukdeva Nand P.G. College Shahjahanpur U.P. during 02-03 March 2014.
3. Presented paper on "Marriage ritual Among the Dalit Buddhist in Kanpur : My experience as a Bhadant". An International seminar on "Indian Buddhism in its Social Context From Shakyamuni Buddha to present. Organised by department of History, BBAU Lucknow During 27-28 march 2014.

Dr. Md. Reyaz Ahmad

1. 'State, Market and Social Democracy: Interventions from Ambedkarite Ideology.' International Seminar on the theme "Transcending Caste: Dr. B.R. Ambedkar and Social Democracy in Contemporary India." ", organised by the Babasaheb Bhimrao Ambedkar University, Lucknow, 14-15 April 2013.
2. 'Role of Police and Human Rights Violation: Police Reforms and Governance in India.' International Seminar on the theme "Human Rights Law, Justice and Governance" organized by the School for Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow, 26-27 April 2013.
3. " In Pursuit of an Inclusive Religion: Dr. Ambedkar's Investigation of Non- Hindu Religions" Presented a Paper in the International Seminar on " Indian Buddhism in its Social Context : From Sakyamuni Buddha to the Present" organised by the Department of History, Babasaheb Bhimrao Ambedkar University, Lucknow, dated on 27-28 March 2014.
4. "Recent Demands for Administrative Reforms and Good Governance in India: A Theoretical Analysis" Presented a Paper in the International Seminar on "Global Politics and Governance in 21st Century : Emerging Trends and Global Concerns" challenges organised by the Department of Political Science, Babasaheb Bhimrao Ambedkar University, Lucknow, dated on 22 & 23 March 2014.

B. Seminar Paper Presentation

6. (National)

Rudra Prasad Sahoo

1. Paper entitled, " New Peace Initiative through Confidence Building Measures In Indian-Pakistan Relations : Prospect and Challenges", presented in a National seminar on Global Politics and Governance in 21st Century: Emerging Trends and Global Concerns", Department of Political Science, BBAU, Lucknow on 21-22 February 2014.
2. Paper entitled, " Naxalism and Politics of Development in India" , presented in a National seminar on Youth, Naxalism and Terrorism, The politics of Development in Indian Subcontinent organized by P.G Department of Sociology, Isabella Thoburn College, Lucknow on 21-22 February 2014.
3. Paper entitled, " Social Inclusion and Differently Able : Meeting the Challenges", presented in a National seminar on Differently-Able Person in India: Realty and organized by CSSEIP, SAS, BBAU, Lucknow on 10-11 March 2014.
4. Paper entitled ,"Social Exclusion of Dalit; A Normative Understanding in Indian Context" presented in Two day National Seminar on theme Dalit Studies: Continuities and Change organized by Dr Ambedkar Chair at the Center for the Study of Social System, School of Social Science, Jawaharlal Nehru University, New Delhi 20-21 March 2014.
5. Paper entitled, "Dialogic Self (Subject)" presented in a National Workshop on " Is Dalit Self Sociological or Philosophical organized by Indian Council of Philosophical Research at the Academic Center, Lucknow (25-27 March 2014)

Bibekanand Nayak

1. Presented paper on "Identity and Inter-caste Marriage: An Understanding from Ambedkar social philosophy" a national seminar on "discrimination, identity and philosophy of Dr. Ambedkar, Dr. Ambedkar studies center & Department of sociology,. Babasaheb Bhimrao Ambedkar university (8-9 April, 2013) Lucknow
2. Presented paper on "Social exclusion and human right" in a national symposium on

“human rights in India : contemporary challenges” organized by Department of Human Rights, school for Legal studies, Babasaheb Bhimrao Ambedkar university (10th December, 2013) Lucknow

3. Presented paper on “Social Exclusion and Health Status of Mushar community: a case study of Kusunagar District of Uttar Pradesh “ at the eleventh Conference of IASSH on “Health, transition,
4. Social change and development”, at school of public health, SRM University, Chennai, Tamil Nadu, 26-28 Dec.2013.
5. Presented paper on” Education through Anganwadi Kendra in Rural India: Some Observation” in the 39th All India Sociological Conference, on “inequality, social justice and empowerment” organized by Indian Sociological Society, Karnataka state open university , Mysore, (December 27th to 29th, 2013)
6. Presented paper on “Industrialization and Environment Degradation : A Case of Vedanta company of Odisha” in a national seminar on “ Environment Pollution: Problems and Perspectives” organized by Department of Law, school for Legal Studies, Babasaheb Bhimrao Ambedkar University (19th-20thJanuary, 2013) Lucknow
7. Presented paper on “MGNREGA and public accountability: some reflections” in second lucknow social science congress 2014 on the theme “public accountability, inclusive growth and social transformation”, organized by BBAU and ASEDS,(6-7th March, 2014), Lucknow
8. Presented a paper on “ Social Exclusion of Mushar Community : a case study of Kusunagar district of Uttar Pradesh” in a National Seminar on “ Dalit studies : Continuity and Change” organized by Dr. Ambedkar Study Center, Jawaharlal Nehru University, New Delhi
9. Presented a paper on “Differently abled person and Family relation” in a National seminar on “Differently-Abled person in india: Tralty and challenge” organised by CSSEIP, BBAU Lucknow U.P. during 10-11 Maech 2014

Dr. Sangeeta Krishna

1. Ambedkarian Vision of Social Democracy: Recollections from Indian Villages in

National Seminar on Transcending Caste :Dr B R Ambedkar and Social Democracy in Contemporary India School for Ambedkar Studies, Babasaheb Bhimrao Ambedkar (Central) University, Lucknow, April 14 &15, 2013

2. Crime Against Dalits : A Study of Uttar Pradesh in National Seminar History Of Crime And Economy In Existing Society And Future Challenges” organised by by AIRO & Ancient Indian History & Archaeology, University of Lucknow 12th-13th November 2013
3. Constructing Oral History : A Study of Mandalis and Non-Mandalis in the Villages of Uttar Pradesh (jointly) in Inaugural OHAI Conference on Oral History of Our Times held at the United Theological College, Bangalore on November 18& 19th, 2013.
4. Disability And Exclusion: A Gender Perspective in National Seminar On Differently-Abled Persons In India: Reality & Challenges, organised by Centre for Study of Social Exclusion and Inclusive Policy, BBAU on march 10-11,2014.
5. Environment Pollution and Youth : An Inclusive Perspective in National Seminar on Environmental Pollution: Problems and Perspectives organised by Department of Law, BBAU Lucknow on January 19 & 20, 2014 .
6. Dalit Mahilayen and Maukhik Itihas (jointly) in Oral History Seminar on Her Voice Her History organised by Department of Western History, University of Lucknow, Lucknow on January 28, 2014.
7. PoA (SC/ST Prevention of Atrocities) Act, 1989 And State Accountability: Some Observations From The Field in Second Lucknow Social Science Congress organised by Babasaheb Bhimrao Ambedkar University,on March 6-7,2014

Dr. Jogendra Kumar

1. 21.Presented paper on “ Bharat Mein Samajik Bahishkaran ke samasyaon ke Nidan mein Dr. Bhimrao Ambedkar ka Yogdan” a National seminar on “Discrimination, Identify and Philosophy of Dr. Ambedkar” organised by Dr. Ambedkar studies centre, and sociology department B.B.A. University Lucknow during 08-09th-April2013 .

2. Presented paper on r on “Utter Pradesh Rajya, Rajniti Aur Samajik Parivertan. a National seminar on Madhya Pradesh Rajya, Rajniti Aur Samajik Parivertan “held on 28 April 2013 organised by The Council for Peace, Development and Cultural Unity Morena and NavYug Degree College, Jabalpur . College M.P
3. 23. Presented paper on “Bhartiya Samaj Vyvashtha Ke Pirvagrah Aur Samajik Parivertan , a National seminar on “ Dr. B.R. Ke Chintan Mein Samajik Nyay Aur Bhartiya Samajik Sanrachana “held on 08 September 2013 organised by The Council for Peace,Development and Cultural Unity Morena and Saransh Rang Shivir, Bhopal M.P.
4. Presented paper on “Manavadhikar Evam Nishaktavergo Ka Sangharsh” a National Seminar on “Differently-Abled person in india: Tralty and challenge” organised by CSSEIP, BBAu Lucknow U.P. during 10-11 Maech 2014

Dr. Md. Reyaz Ahmad

1. 25.” Article - 341 of the Constitution of India; A just Demand of Dalit Muslims.” Presented a Paper in the National Seminar on “ **Discrimination, Identity and philosophy of Dr. Ambedkar.**” organized by the Dr, Ambedkar Studies Centre & Department of Sociology,, Babasaheb Bhimrao Ambedkar University, Lucknow, 8-9 April 2013.
2. 26.” Administrative reforms For Good Governance and Inclusive Growth : A Task Unfinished” Presented a Paper in the National Seminar on ‘Challenges of Good Governance in India: Problem and Prospects’. organised by the deptt. of Political Science, Mahatma Gandhi Kashi Vidyapith, Varanasi, Sponsored by University Grand Commission, New Delhi, dated on 15-16 Feb. 2014.
3. 27.”Inclusion of Persons with disability in Education: An evaluation of National Policy for Persons with Disabilities” Presented a Paper in the National Seminar on Differently-Abled Person in India : Reality & challenges organised by the CSSEIP, Babasaheb Bhimrao Ambedkar University, Lucknow, Sponsored by ICSSR dated on 10-11 March 2014

C. Seminar Participation - International/ National

Dr. Sangeeta Krishna

1. Participated in National Seminar on *Awareness Programme on Women Regarding Legal Framework of Their Rights And Duties* organized by the Basic Facilities for Women, Babasaheb Bhimrao Ambedkar University, March 14, 2014.

C.8 Training Programme Attend by the Faculty

Rudra Prasad Sahoo

1. Participated in the UGC Sponsored four week Refresher Course in Political Science organized by Academic Staff College, Jawaharlal Nehru University during 14.10.2013 to 08.11.2013 h

Bibekanand Nayak

1. Participated in the Orientation course from 17-07-2013 to 19-07-2013, organized by center for the study of discrimination and exclusion, JNU and ICSSR (Northern Region).
2. Participated in the Refresher course from 18-11-2013 to 07-12-2013, organized by UGC Sponsored academic staff college, Lucknow University, Lucknow.

Dr. Sangeeta Krishna

1. Attended three weeks Refresher Course for Teachers organized by Academic Staff College, Devi Ahilya Vishwavidyala, Indore (June26-July16,2013)

Dr. Jogendra Kumar

1. Participated in Orientation Programed on Social Science Research funded by ICSSR (Northern region, New Delhi and Organised by Centre for the Study of Discrimination and Exclusion, School of Social Science, Jawaharlal Nehru University New Delhi, from 17th -19 July, 2013.

Dr. Md. Reyaz Ahmad

1. ICSSR Sponsored Two week *Capacity Building Programme for Faculty Members in the Social Science*, organized by the Giri Institute of Development Studies, Lucknow, during 17 to 31 October, 2013.

C.9 Additional information/other activities

Other activities

Bibekanand Nayak

1. Worked as member of reception committee, in the delegates visit to educational department.
2. Worked as convener, volleyball, University Annual Sports Meet 2014.
3. Act as judging essay writing competition , on the national education day(11th November 2013 at Babasaheb Bhimrao Ambedkar university, lucknow.

Dr. Sangeeta Krishna

1. As Chairperson for Carrom Committee organised event on the occasion of Annual Sport Day on March 12-13,2014, organised by BBAU, Lucknow.
2. Acted as Judge for Mehendi Competition on Sak Sabji Evam Pushpa Pradarshini on
3. Acted as Judge for Essay Competition

organized by School of Education on Education Day on November11, 2013

4. Acted as Member for Several Committees such as Technical session Management, Reception, Registration , Editorial and Media Committees for the seminars, conferences and Youth Festival organised by the various departments and the University.
5. Acted as Invigilator for Entrance Examination conducted by Babasaheb Bhimrao Ambedkar University.

Dr. Jogendra Kumar

1. Worked as member of reception committee, in the delegates visit to educational department.
2. Report writing of status of scavengers employees in BBAU University.
3. Assisting in Organizing Competitions on Poster making & Essay writing . Organised by Department of Education B.B.A. University Lucknow held on 11th November 2013

VI. DR. AMBEDKAR STUDIES CENTRE

About the Centre

Dr. Ambedkar Studies Centre (ASC) has been established to acquaint the teachers and students. With the thought and ideas of Dr. B.R. Ambedkar and involve them in studies, research and field work based extension service programmes of constructive work.

Objective of the Centre

1. Disseminating the ideas and thought of Dr. B. R. Ambedkar to students and faculties of the university.
2. Sensitizing people of nearby locality and areas about the relevance of Dr. Ambedkar's ideas for the betterment of people's lives.
3. The centre undertakes theoretical and action oriented research on relevant themes.
4. Identify and recognize the contribution of activist/ writers those who make significant contribution for mobilization of people.

Establishment of Ambedkar Chair

- Centre submitted a proposal to UGC and Ministry of Social Justice and Empowerment for establishing Ambedkar Chair in this university. UGC has sanctioned Ambedkar Chair to this university in 2014.

Activities

Seminar organized

- Organized a National Seminar on "Identity, Discrimination and Philosophy of Dr Ambedkar", 8th -9th April, 2013 sponsored by Indian Council of Philosophical Research, New Delhi.

Director:-

Dr. B.B. Malik

Director, Ambedkar Studies Centre (ASC)

Email:- bbmalik57@gmail.com





SCHOOL FOR BIOSCIENCES AND BIOTECHNOLOGY

The School for Bioscience and Biotechnology comprises the Department of Applied Animal Sciences, Applied Plant Sciences, Biotechnology and Pharmaceutical Sciences. All the departments offer both P.G. (M.Sc and M.Pharm) and Ph.D. courses. The two departments namely, Applied Animal Sciences and Applied Plant Sciences of School of Biosciences and Biotechnology commenced in the academic session 2001-02. The Department of Biotechnology started functioning from September 2005. The department of Pharmaceutical Sciences was established in 2010. All the departments are well equipped with laboratories and field facilities, as per requirement. The faculty members of the school belong to varied regions of the country

with diverse fields of specialization. Since courses are multifaceted, SB&BT arms its students for good job opportunities as well as self-employment, thereby contributing to the economic growth of the country. This is self-evidenced from the course structure of the departments.

The details of the departments under this school are as follows:

- Department of Applied Animal Sciences,
- Department of Applied Plant Sciences
- Department of Biotechnology
- Department of Pharmaceutical Sciences

I. DEPARTMENT OF APPLIED ANIMAL SCIENCES

Objectives

The Department runs a Post Graduate degree in M.Sc. Applied Animal Science with special emphasizes on Sericulture, Fisheries and Parasitology. The intake capacity of M. Sc. Applied Animal Science is 46 per session. In India, Sericulture and Fisheries have been developed as agro based industries with a vast potential to contribute to the rural economy. Few decades back these areas were considered as a subsidiary occupation of poor farmers. Now these are no longer as subsidiary occupation as more and more farmers and powerful landlords are involving in silkworm rearing & fish culture. These areas generate employment as follows:

- (a) Direct employment through mulberry cultivation, silkworm rearing and cocoon production.
- (b) Indirect employment through reeling of cocoon, twisting, warping, dying and weaving.
- (c) Generation of employment and revenue through inland fish culture.

These areas of Science require minimum investment but in turn yield more. These industries are ideal for small and marginal farmers who are below poverty line. However, field of

Parasitology has its own charm as the students who are perusing this specialization can flourish their future in pathology industry.

In addition, the curriculum of M.Sc. Applied Animal Science consist general papers such as Biochemistry and Developmental Biology Animal Behavior, Biostatistics and Computer Applications in Biology and Tools and Techniques in Biology which provide an ample of knowledge in the domain of Life Sciences. The Department also offers Ph.D. degree in the field of Parasitology³, Sericulture, Fisheries, Animal Behavior and General Biology.

The Department conducts weekly Seminar for M Sc and Ph D students to develop the oratorical skill of students. The Department has well equipped research laboratory as well as sericulture rearing and reeling unit.

The method employed for teaching included, the class room lectures, audio-visual teaching using LCD projector and Interactive Panel and group discussion. Field attachment and study tour to different sericulture industries as well as fisheries institutes are being carried out by the Department. National level study tour is being organized every year by the Department. In addition, students are encouraged to participate and contribute in National Seminars and other training programs.

A. Faculty Profile

Sl.No.	Name	Designation	Qualification	Area of Specialization
1.	Dr. Kamal Jaiswal	Associate Professor	Ph.D.	Sericulture/Parasitology
2.	Dr. V. Elangovan	Associate Professor & Co-Ordinator/Head	Ph.D.	Animal Behavior and Conservation Biology
3.	Dr.Venkatesh Kumar, R	Assistant Professor	Ph.D.	Sericulture
4.	Dr. Abha Mishra	Assistant Professor	Ph.D.	Fish Physiology and Toxicology.
5.	Dr. Suman Mishra	Assistant Professor	Ph.D.	Parasitology.

A.1 Future Plan

Presently the Department offers M.S.c. Applied Animal Science and Ph. D Programs in field of Sericulture, Parasitology, Fisheries Animal Behaviour and General Biology. The Department is also planning to include the rearing of non-mulberry silkworms and a PG course on Seri biotechnology in near future. The Department in planning to start Grainage activities like testing, winding units and integrated sericulture practices.

B. Other Academic Activities

Dr. V. Elangovan

Experience: Teaching: 9 Years, Research: 17 Years

Research Project handled during 2013 - 14

S. No.	Title	Agency	Period	Grant / Amount Mobilized (Rs)
1	Chiropteran diversity and conservation in Uttar Pradesh	UP State Biodiversity Board	April 2013 to March 2015	562800
2	Roost selection, roosting behaviour and population dynamics of mouse - tailed bats (Rhinopomatidae) in Uttar Pradesh	University Grants Commission, New Delhi	April 2013 to March 2016	1300800
3	Ultrastructural and molecular characterization of guanoophilic fungi of bats.	Science and Engineering Board, DST, New Delhi	2014-15 (2 years)	1200000

Publications (2013-2014)

Sl. No.	Title of research article / paper(s)	Name of journal (with city/ country)	Whether Sole Author / Co-author	Month & year of publication, volume, no. & page nos.	ISBN/ISSN No.	Impact Factor
1	Development and characterization of a continuous macrophage cell line, LRTM, derived from thymus of Labeorohita (Hamilton 1822)	In Vitro Cellular & Developmental Biology - Animal	Sanjay C. Rebello, GauravRathore, PeyushPunia, NeerajSood, V. Elangovan	50(1): 22 – 38 2014	ISSN: 1071-2690	1.289
2	Effect of different mulberry varieties and seasons on growth and economic traits of bivoltine silkworm (Bombyxmori)	Journal of Entomology	Harendra K., Y. S. Priya,Mukesh, K and Elangovan, V	10(3): 147 - 155 2013	ISSN 1812-5670	H Index: 8

3	Scanning electron microscopy study of guard hair of three Indian pteropodid bats	Mammalia	Kumar, M., Mathur, V., Priya, Y. S., Kumar, H and Elangovan, V	78(4)	2014	ISSN 1864-1547	0.824
4	Studies on Biochemical Changes of Fungal Infected Mulberry Leaves and their Effect on Growth and Cocoon Characteristics of the Silkworm (<i>Bombyxmori</i>) (Lepidoptera: Bombycidae)	Entomologia Generalis	Harendra K., Y. S. Priya, Mukesh, K and Elangovan, V	35(1): 1-10	2014	ISSN 0171-8177	0.286
5	Rearing Performance of Eri Silkworm (Philosamiaricini) during autumn Season of Uttar Pradesh.	Indian Journal of Sericulture	Rajesh Kumar and Elangovan, V	52(2): 131 - 138.	2013	ISSN 0445-7722	H Index: 8
6	Foraging ecology and behaviour of bats.	Advances in Life Sciences	Mathur, V., Kumar, M., Kumar, H., Y. S. Priya and Elangovan, V	3(1): 36-40.	2014	ISSN: 2278-3849	-
7	Roost selection and roosting ecology of fulvous fruit bat, <i>Rousettus leschenaulti</i> (Pteropodidae)	International Journal of Advanced Biological Research	Mukesh Kumar, Y. S. Priya, Virendra Mathur and Vadamalai Elangovan	5(1): 62-68	2015	ISSN 2250 - 3579	-
8	SEM, FTIR and biochemical characterization of bacterial pathogens causing leaf blight in mulberry leaves	International Journal of Current Science	Harendra Kumar, Y. S. Priya, Mukesh Kumar and Vadamalai Elangovan	In press		ISSN 2250 - 1770	

mulberry varieties, *Journal of Biopesticides*, Vol. 5 (2), 113-119. (ISSN 0974-391X).

B.2 Papers published in National Journals

1. R Venkatesh Kumar, G Sunil Babu, Seema Chauhan, Amit Srivastava, Yashwant Rao And Dhiraj Kumar (2012). Total phenolics and flavonoids content in ripened and unripened fruits of different mulberry (*Morus alba* varieties. *Indian Journal of Agricultural Sciences* 82 (3): 277-279.

B.3 Participation and Organize Conferences/Symposia/Seminars/Workshops

1. Organized and participated a one day workshop on Wetlands Biodiversity on 2nd February, 2013 organized by Department of Applied Animal Sciences in collaboration with U.P. Biodiversity Board, Babasaheb Bhimrao Ambedkar University, Lucknow.

2. Organized and participated a one day workshop on "Placement and Employment prospects in Indian patenting the research work" held on 18th March 2013 at Babasaheb Bhimrao Ambedkar University, Lucknow.
3. Participated and Presented paper in "Biotechnological Approaches in Medicinal and Aromatic Plants Research" held between 21 to 22, March 2013 organized by Department of Botany, Mahrani, Science College for Women, Bangalore, India.

Dr. Abha Mishra

Award

1. Bioved Young Scientist Award 2013: In the field of Aquaculture and Fish Endocrinology by Bioved Research Institute of Agriculture and Technology, Allahabad.
2. Dr. Hiralal Chaudhuri Best Scientist Award for the year 2012-2013 by CIFE, Mumbai.

3. Young Scientist Award 2013: In the field of Fish Endocrinology by Society of Biological Sciences and Rural Development, Allahabad.

Research Projects

1. DBT in collaboration with NBFGR as co-investigator: "Identification and evaluation of reproductive traits and genetic structure of *Ompok bimaculatus* in India" of total cost in Rs. 55,31,000/- for three years (27 Sept 2011 to 26 Sept 2014).
2. DST - SARC - FAST TRACK - SERB-Young Scientist as principal investigator: "Teratogenic effects of Hilban®, an organic insecticide, on fresh water fish *Channa punctatus* (Bloch, 1793)" of total cost in Rs. 24,00,000/- for three years (28 May 2012 to 27 May 2015).
3. CST,UP as principal investigator: "Toxicological effect of chlorpyrifos, an insecticide, on the behavioral, physiological and biochemical aspects of fresh water fish *Channa punctatus* during its life span" of total cost in Rs. 8,40,000/- for three years (awarded on 12.9.12, started on 14.2.13 to 13.2.16).

B.4 Conference/Seminar **Attended/ Organize Seminar etc.**

1. Convener of Chess event in University Annual Sports - 2014, March 12-13, BBAU, Lucknow
2. H. Pandey & A. Mishra. Effects of different concentrations of an organophosphate pesticide on survival, behavior, and morphology of fresh water fish *Channa punctatus*. National Symposium on Innovative and Modern Technologies for Sustainable Agriculture and Rural Development. Society of Biological Sciences and Rural Development. Allahabad, India, 19-20 October, 2013.
3. J. Pandey & A. Mishra. Effects of sublethal dose of cadmium sulphate in total carbohydrate and protein content of liver, kidney, gill, intestine and stomach of fresh water catfish, *Heteropneustes fossilis* (Bloch). National Symposium on Innovative and Modern Technologies for Sustainable Agriculture and Rural Development. Society of Biological Sciences

and Rural Development. Allahabad, India, 19-20 October, 2013.

4. A. Mishra, Y. Kumar and H. Pandey. Effects of tannery raw effluent on anatomy of liver, intestine and stomach of fresh water fish *Heteropneustes fossilis*. International conference on Environmental technology and sustainable development: challenges and remedies Lucknow. February 21- 23, 2014.
5. Abha Mishra, Sarita Gupta, Sneha Verma, Anurag Rawat. Impact of fish guano on reproductive parameters of temperate crop (Tomato). International conference on environmental technology and sustainable development: challenges and remedies. 21-23 February 2014.
6. Abha Mishra, Sarita Gupta, Sneha Verma, Anurag Rawat. Comparative study of fish guano and fertilizer formulations on vegetative growth of temperate crop (Tomato). International conference on faunal biodiversity and their conservational strategies. 22-23 March 2014.
7. H. Pandey, A. Mishra. Histopathological effects of chlorpyrifos, an organophosphate insecticide, on ovary of fresh water teleost *Channa punctatus* during pre-spawning season. International conference on faunal biodiversity and their conservational Strategies. Lucknow University. March 22-23, 2014.
8. Abha Mishra, Jalil Ahmed, Anurag Rawat, Sneha Verma. Effect of organophosphate, chlorpyrifos on anatomy of stomach and intestine of fresh water fish *ompok bimaculatus* (bloch, 1794). 2nd Lucknow Science Congress. March 27-28, 2014.
9. Member of organizing committee of "World Wetlands Day" program in Dept of Applied Animal Sciences, BBAU, on 2nd February 2013 in collaboration with UP State Biodiversity Board.

Abstracts/Proceedings

1. Yogita Devi and **Abha Mishra**. Alteration of behavioural and Morphological responses of fry *Channa Punctatus* treated with Chlorpyrifos. 32nd Annual Session of the Academy of Environmental Biology and National Seminar on "Emerging pollutants and pathogens: Challenges and Risk

Reduction" by Acadmey of Environmental Biology and Indian Institute of Toxicology Research, Lucknow, India, 20-22 September, 2012.

2. **Abha Mishra**, Anurag Rawat, Sneha Verma. A comparative study showing sexual maturity levels in breeding season of butter catfish, *Ompok bimaculatus* (Bloch) of different rivers in India. National Conference on Advances in Biosciences and Health Education (ABHE-2013) by Dept of Zoology, Bareilly College, Bareilly.
3. BELA T. Kaushal and Abha Mishra. Histopathology and bioaccumulation of cadmium chloride by different organs of freshwater fish *Channa punctatus* in respect to short-term and long-term exposure period. 1st Lucknow Science Congress, BBAU, Lucknow, India, 20-21 March, 2013.
4. **Abha Mishra**, Sneha Verma, Anurag Rawat, Relation of gonadal protein content with gonadosomatic index in male and female of *Ompok bimaculatus* (Bloch, 1794) in Gomti river, Lucknow. (No. 048) 1st Lucknow Science Congress, BBAU, Lucknow, India, 20-21 March, 2013.
5. **Abha Mishra**, Anurag Rawat, Sneha Verma. Best strain evaluation in *Ompok Bimaculatus* (Bloch, 1794) of different Indian Rivers by protein estimation. (No. 049) 1st Lucknow Scinece Congress, BBAU, Lucknow, India, 20-21 March, 2013.

B.5 Training/Workshop/Orientation/ Course/Refresher Course Attended

Workshop Attended

1. Workshop on "Placement and Employment Prospects in Indian Patent offices and Hand on Training for Patenting the Research Work" in 18th March 2013 at BBAU, Lucknow.

Research Articles

International Journals

1. Krishna Singh and Abha Mishra. A comparative study on seasonal distribution of the helminth parasites communities of some catfishes. International Journal of Pharma and Biosciences 2013, 4(3). (ISSN: 0975-6299)(IF 0.47)

2. Yogita Devi & Abha Mishra. Study of behavioural and morphological anomalies of fry fish of fresh water teleost, *Channa punctatus* under chlorpyrifos intoxication. International Journal of Pharma and Biosciences 2013, 4(1): (B) 865 - 874. (ISSN: 0975-6299)(IF 0.47)
3. Abha Mishra and Yogita Devi. Histopathological alterations in the brain (optic tectum) of the fresh water teleost *Channa punctatus* in response to acute and subchronic exposure to the pesticide Chlorpyrifos. Acta Histochemica 2014, 116:176-181. (IF 1.608)
4. A. Mishra, N. Mishra, A. Rawat, S. Verma. Effect of an organophosphate insecticide, chlorpyriphos on mortality and haematology of freshwater butter catfish *Ompok bimaculatus* (Bloch, 1794). Pansee Journal 2014, 76(5) 452-461. (IF 0.09)

National Journals

1. Yogita Devi & Abha Mishra. Histopathological alterations in gill and liver anotomy of fresh water, air breathing fish *Channa punctatus* after pesticide hilban® (chlorpyrifos) treatment. Advances in Bioresearch. vol. 4 [2] 2013 (ISSN: 0976-4585).
2. Yogita Devi & Abha Mishra. An economic artificial laboratory feed for freshwater fishes and its impact on growth rate of *Channa punctatus* (Adult and Fry). The Ecoscan (An International Biannual Journal of Environmental Sciences) 7 (1&2): 83-86. 2013.
3. KC Yadav, A Mishra, S Raizada, V Sahu, PP Srivastava. Influence of formulated diet on survival and growth of giant snakehead, *Channa marulius* reared in pond condition. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences 2014. (IF 0.396) Doi 10.1007/s40011-014-0414-8. ISSN 0369-8211.

Book Chapters:

1. Mishra Abha and Uttam Kumar Sarkar. 2013. Perspectives of gonadal maturation in tropical fish: A review. In: Advances in Fish Research, Vol.V, pp. 15-30. Edited by: U.C. Goswami. Narendra Publishing House, Delhi, India. 360 pp. ISBN No. 978-93-80428-58-1.

2. Abha Mishra, Sarita Gupta, Sneha Verma, Anurag Rawat (2014). Comparative study of fish guano and fertilizer formulations on vegetative growth of temperate crop (Tomato). In, Functional Biology and Biotechnology. Eds. Serajuddin, Tripathi and Arshad, Published by Excellent Publishing House, New Delhi. Page No. 61-63, ISBN: 978-93-83083-58-9.
3. Abha Mishra, Harshita Pandey (2014). Histopathological effects of chlorpyrifos, an organophosphate insecticide, on ovary of fresh water teleost *Channa punctatus* during pre-spawning season. In, Biodiversity and Environment. Eds. Serajuddin, Tripathi, Kanaujia and Arshad. Published by Excellent Publishing House, New Delhi. Page No. 86-88, ISBN: 978-93-83083-57-2.
4. Akhilesh Kumar, Abha Mishra, Amita Kanaujia (2014). Effect of sub-lethal concentration of cadmium sulphate on behavior and morphology of fresh water catfish, *Heteropneustes fossilis* (Bloch) in Lucknow, India. In, Biodiversity and Environment. Eds. Serajuddin, Tripathi, Kanaujia and Arshad. Published by Excellent Publishing House, New Delhi. Page No. 189-194, ISBN: 978-93-83083-57-2.

Guidance of Ph.D/Dissertations

1. Four Ph.D. Thesis has submitted.
2. Six students of M.Sc. (IV Semester) submitted dissertation.

Dr. Suman Mishra

Training(s) Attended

1. One week hands-on training programme on 'Isolation, identification and molecular characterization of microsporidian parasites of silkworm' at Seri-Biotech Research Laboratory, Central Silk Board (Ministry of Textiles, Govt. of India), 21st -27th June, 2012.

Editorship of Journal

- Member of Editorial Team of the Indian Journal of Helminthology published by the Zoological Society of India, Bodh Gaya

B.6 Papers/Articles in Journals (Published and Accepted)

A) Papers Published in International Journals

1. S. Chowdhary, P.P. Srivastava, **Suman Mishra**, R. Dayal, A. K. Yadav and J. K. Jena (2012). Evaluation of partial replacement of dietary animal protein from plant protein blended with glucosamine on growth and body indices of Asian catfish (*Clarias batrachus*) fingerlings. *Journal of Aquaculture Research Development*, 3(3): 1000129. DOI.org/10.4172/2155-9546. (USA). **Impact Factor: 0.62; Index Copernicus Value: 5.20.**
2. S. Chowdhary, P.P. Srivastava, **Suman Mishra**, A. K. Yadav, R. Dayal, W.S. Lakra (2012). Synergistic effects of dietary glucosamine and plant/ animal proteins on the growth performance of Asian catfish (*Clarias batrachus*) juveniles. *Journal of Animal and Feed Research*, 2(1): 50-57. (Iran) **.2.5/5.0 by Webstats Domain.**

B) Papers Published in National Journals

1. S. Chowdhary, P. P. Srivastava, **Suman Mishra**, A. K. Yadav, R. Dayal, S. Raizada, J. K. Jena. (2012). Partial replacement of dietary animal protein with vegetable protein blend with different proportions of glucosamine on growth, feed efficiency, body composition and survival of fingerlings of Asian catfish (*Clarias batrachus*). *Science Letters*, 35(4):291-297. (Springer). **(NAAS Rating 6.6)**

B.7 Papers presented in National Conferences/Seminars/Symposia

1. **Suman Mishra** (2012). Herbal remedies for the control of ticks of livestock, Global Meet of Biologists & Satellite conference on 'Vector control and Management : Present Status and Future Strategies, Department of Zoology, Osmania University, Hyderabad, 26th-28th Dec., 2012 . Abstract No.P-146, pg. 148.
2. Singh, A and **Mishra, S.** (2012). Present status and Biodiversity of ornamental Fishes used in trade in Lucknow city, Uttar Pradesh, National Seminar on "Status of Environment and Biodiversity: RIO + 20 and Role of Space Technology", Department of Zoology and Environmental Science,

- Gurukula Kangri University, Haridwar, Uttarakhand, 2nd-3rd Nov., 2012. Abstract No. 67, Pg. 51.
3. Kaur, D. and **Mishra, S.** (2012). Ethnoveterinary medicine in Uttar Pradesh: A review. National Seminar on "Status of Environment and Biodiversity: RIO + 20 and Role of Space Technology", Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar, Uttarakhand, 2nd-3rd Nov., 2012. Abstract No. 278, Pg.221.
 4. Kumar, P. and **Mishra, Suman** (2012). Survey of ethnoveterinary practices in some villages of district Sitapur, Uttar Pradesh, India, 23rd All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS 2012), Department of Advanced Zoology and Biotechnology & IQAC, Guru Nanak College, Chennai, 3rd-5th Oct., 2012. Abstract No.OS-66, Pg. 51
 5. Singh, A and **Mishra, S.** (2012). Studies on Helminthes parasites of fish in Uttar Pradesh: A review, 23rd All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS 2012), Department of Advanced Zoology and Biotechnology & IQAC, Guru Nanak College, Chennai, 3rd-5th Oct., 2012. Abstract No.PS-79, Pg. 95.
 6. Kaur, D. and **Mishra, S.** (2012). Ethnoveterinary Practices in India: A review, 23rd All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS 2012), Department of Advanced Zoology and Biotechnology & IQAC, Guru Nanak College, Chennai, 3rd-5th Oct., 2012. Abstract No.PS-80, Pg. 96.
 7. Singh, A and **Mishra, S.**(2013). Studies on prevalence of Acanthocephalan parasites in fresh water fish *Channa punctatus* from Lucknow region, Uttar Pradesh, 1st Lucknow Science Congress, Babasaheb Bhimrao Ambedkar University, 20-21 March, 2013. . Abstract No.138, Pg. 77.
 8. Kaur, D. and **Mishra, S.** Ethnoveterinary control of gastrointestinal parasites in some villages of U.P., 1st Lucknow Science Congress, Babasaheb Bhimrao Ambedkar University, 20-21 March, 2013. Abstract No.142, Pg. 79.
- ### B.8 Participation in Conferences/Symposia/ Seminars/Workshops/Attended National/International Seminars
- #### National
1. "1st Lucknow Science Congress LUSCON-2013, Babasaheb Bhimrao Ambedkar University, Lucknow, 20-21 March, 2013.
 2. Workshop on "Placement and employment prospects in Indian patent offices and hands- on training for patenting the research work", 18th March, 2013.
 3. 2nd Biennial National Conference on "Global Warming: Health hazards & mitigation strategies" Indian Academy of Science & Nature, Hotel Amar, Agra, 9th March, 2013.
 4. National Workshop on "Crime against women: legal issues", School for Home Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow, 7th March, 2013.
 5. National Seminar on "Status of Environment and Biodiversity: RIO + 20 and Role of Space Technology" , Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar, Uttarakhand, 2nd -3rd Nov., 2012.
 6. 23rd All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS 2012) , Department of Advanced Zoology and Biotechnology & IQAC, Guru Nanak College, Chennai, 3rd-5th Oct., 2012.
- #### International Seminars
1. Global Meet of Biologists & Satellite conference on 'Vector control and Management : Present Status and Future Strategies, Department of Zoology, Osmania University, Hyderabad, 26th -28th Dec., 2012.
 2. International Conference on "Recent Trends in Climate Change Researches vis-à-vis Biodiversity", Department of Animal Science, MJP Rohilkhand University, Bareilly, India, 3rd -4th Dec., 2012.

B.9 Membership / Participation in Bodies / Committees on Education and National Development

1. Member, Admission Committee, Dept. of Applied Animal Sciences, BBAU, Session 2012- 2013.
2. Member, Departmental Research Committee, DAAS, BBAU.
3. Member, Complaint Committee, BBAU.
4. Member, Committee for Basic Facilities for Women, BBAU.

5. Member, Organizing Committee, World Wetland Day celebrations, 02nd Feb., 2013
6. Conference Coordinator, 2nd Biennial National Conference on "Global Warming: Health hazards & mitigation strategies" Indian Academy of Science & Nature, Hotel Amar, Agra, 9th March, 2013.

Dissertations Guided

Guided five dissertations of students of M.Sc. Semester IV, session Jan. to June 2013.

II. DEPARTMENT OF APPLIED PLANT SCIENCE

In the beginning, university started offering a one year (two-semester) PG diploma in Horticulture i.e. 'Seed and Nursery Production' under the Centre for Rural Technology (CRT) from academic session 1997-98 which was continued up to session 2000-01. Further, the course was upgraded to Master Degree Programme in Horticulture w.e.f. academic 2001-02 after creation of Department of Applied Plant Science (Horticulture) under the School for Biosciences and Bio-technology. Later on the department started Ph. D. programme in Horticulture from academic session 2003-04. Since then concerted efforts are being made to conduct research on various horticultural crops i.e. Fruit Science (Pomology), Vegetable Science (Olericulture) and Flower Production (Floriculture) including medicinal & aromatic plants, spices & condiments and ornamental aquatic plants in order to improve their production & productivity, protection and utilization. The number of students enrolled during the period 2011-12 in Master Degree Programme and Ph.D. Degree programme are 36 and 06, respectively.

For conducting experiments/Research trials, the department has a Horticultural Research Farm and a state-of-the art Laboratory and Green House Structures of various types' viz., fiber glasshouse, poly house, shade net house and wire net house. Besides this, Department organizes regular seminars on a weekly basis, especially for the final year (IVth semester) students, in order to enhance their orientation /communication skills and to create general awareness amongst them on different aspects of Horticulture. The department also encourages to students for

attending/participating in the seminar, conference, workshop, exhibition, farmers' fair etc. on Horticultural crops. In addition to this, every year students of the department are allowed to attend the 'Flower Shows' as organized by NBRI, Directorate of Horticulture U.P. Government at Raj Bhawan; Fruit Nursery Visit to Progeny orchard, Mallihabad, Farmers' Fair at CIMAP, IISR and Mango Show/ Showcasing of Agricultural Technologies/ innovation through exhibition CISH, Lucknow.

At present department is having five faculty members comprising one Professor, two Associate Professor and two Assistant Professor, respectively with diverse field of specialization ranging from Fruit Science (Pomology), Vegetable Science (Olericulture) and Floriculture including Post Harvest Management.

The subject Horticulture is more relevant as Job providers than Job seekers among the various branches of agricultural sciences.

Objectives:

- Development of horticultural activities i.e. to undertake the basic and applied research for developing strategies to enhance productivity and utilization of horticultural crops viz., fruits, vegetables, flowers (ornamental) medicinal and aromatic crops in the field of agriculture through teaching, research, training, extension etc., especially for the development of socially and economically depressed segment of society.
- Establishment of orchards, nurseries, Horticulture Experimental Farm/Research Farm and Greenhouse.

- Dissemination of technologies developed to farming community through various methods.
- Understanding of the ideal environmental for crop growth, physiological parameters governing them, bio-chemical basis of various processes.
- Studies on prolonging post harvest storage, methods for new and better quality products, marketing and economics.
- To act as a repository of scientific information relevant to horticulture.
- To collaborate with relevant national and international agencies in achieving to above objectives.
- Landscaping programme (through bio-aesthetic planning) of the university campus and development of green belt.

Moreover, the major objectives of horticulture development are:

- Providing food for all and creating employment opportunity for proper segment of the society.
- To promote the science and practices of horticulture in human life.
- Development of infrastructure.

A. Developmental activities in the field of Horticulture so far are.

- (1) A small fruit Germplasm Block

- (2) A small Fruit Nursery
- (3) Greenhouse Structures
- (4) Horticulture Ornamental Garden known as 'Vidya Vatika'.
- (5) Horticultural Research Farm known as 'Pragya Vatika' the above activities have been created/developed to fulfill the basic requirements of the students in terms of practical exposure of M.Sc. Students, their thesis trials work and Ph.D. student's trials.

B. Trainers' Training Centre (TTC) is under process of development, which has been mooted for Training, Demonstration, and Extension etc. However, presently this building is utilized by National Knowledge Network.

Vision:

- To develop the department as Centre of Excellence by adopting Hi-tech Horticulture viz., Drip- Irrigation & Fertigation, Tissue Culture (Micro-propagation), Sustainable Agriculture/Organic Farming, Bio-fertilizer etc.
- To explore the possibility of MOU's with various reputed institutes.
- To exploit the underutilized Horticultural crops, especially Broccoli, Strawberry water chest nut, water lilies, lotus etc.

Faculty Details :

Sl. No.	Name	Designation	Qualification	Area of specialization
1.	Prof. R. B. Ram	Professor	M.Sc. (Ag.), Ph.D. Hort.), B.H.U	<p>Teaching and Research Experience: 28 Years</p> <p>Field of Specialization: Fruit Science (Pomology) in Horticulture under Agriculture Sciences.</p> <p>Major Area of Research and field of interest: The major areas of research <i>Inter alia</i> include: Crop Improvement, Crop Production, Crop Protection and Crop Utilization.</p> <p>Expertise has been gained in Various branch of Horticulture viz. Fruit Science, Vegetable Science and Floriculture (Ornamental Garden and Landscaping) in addition to Medicinal and Aromatic plants, species and condiments, plantation crop etc. through teaching research extension and training programme.</p>

2.	Dr. Sanjay Kumar	Associate Professor & Head	M.Sc.(Ag.), Ph.D. Horticulture NET-ICAR	Teaching and Research Experience: 15 Years Field of specialization- Vegetable Science in Horticulture under Agricultural Sciences. Area of work and field of interest in Horticulture- All branches of Horticulture (Olericulture), Pomology, Floriculture & Landscaping including Medicinal & Aromatic Plants, spices and condiments, especially Olericulture
3.	Dr. Deepa H. Dwivedi	Associate Professor	M.Sc. (Ag.), Ph. D. (Hort.)	Research (R & D and Extension) and teaching experience- 13 ½ years Approx Field of specialization -Fruit Science (Pomology) Area of work and field of interest in horticulture - All branches of horticulture (Pomology, Floriculture & Landscaping and Olericulture including medicinal Aromatic Plants), especially fruit science and Floriculture.
4.	Dr. M. L. Meena	Assistant Professor	Ph.D. (Ag.) Horticulture (Vegetable Science) NET-ICAR	Research (R & D and Extension) and teaching experience- 9 years Approx. Field of specialization - Vegetable Science Area of work and field of interest in: All branches of horticulture especially vegetable crops.
5.	Dr. Sutanu Maji	Assistant Professor	M.Sc.(Hort.), Ph. D. (Hort.) in Fruits & Orchard Management NET-ASRB (ICAR)	Teaching Experience : 2 years 10 months at PG & Ph. D Level Research Experience: 9 years Field of specialization: Fruit Science (Horticulture) Area of work and field of interest: All branches of Horticulture especially in Fruit Science, Vegetable & Spice crops, Medicinal and Aromatic plants, Organic nutrition (NRM), Intercropping, Crop Regulation, Bio-control of pathogens, Flower drying and dehydration, PHT of Horticultural crops

Academic Activities of the Faculty

Award/Honors/Fellowship achieved

(A) Dr. Sanjay Kumar

1. Excellence in teaching award by Society for Extension Education and Management in Agriculture on occasion of National Conference on Emerging Problems and Recent Advances in Applied Science: Basic to Molecular Approach during Feb 8-9, 2014.
2. Best Poster presentation award by U. P. Council of Agricultural Research, Lucknow during June14-16, 2014 on occasion of 2nd Agricultural Science Congress, Lucknow.

(B) Dr. Sutanu Maji

1. Reviewer of Australian Journal of Crop Science

2. Reviewer of Journal of Crop Protection
 3. Best poster award in the National symposium on Abiotic and Biotic Stress Management in Vegetable Crops-2013
 4. Best poster award (IIIrd) in the International Conference on Impact of Technological Tools on Food Security under Global Warming Scenario- 2013
 5. Judges for the exhibition in the Governor house, Uttar Pradesh
 6. External paper setter, Uttar Banga Krishi Viswavidyalaya, W.B.
- **Articles /Paper in journal(s) [only published and accepted articles/papers].**

Prof. R. B. Ram

1. Kumar, A; Ram, R. B.; Meena, M.L.; Raj, U.

- and Anand, A. K. (2014). Effect of biofertilizers on morphological characteristics in Aonla grafted plants. *Environment & Ecology*. 32(4a): 1502-1505.
2. Chandra, R.; Ram, R. B.; Prakash, J.; Nath, D.; Kumar, S. and Kumar, M. (2014). Effect of foliar application of micro-nutrients on growth and yield components of Tomato (*Lycopersicon esculentum* Mill.). *Trends in Biosciences*.7 (3): 461-464.
 3. Ranjeet; Ram, R.B.; Prakash, J. and Meena, M.L. (2014). Growth, flowering, fruiting, yield and quality of tomato (*Lycopersicon esculentum* Mill.) as influenced by plant bio-regulators.
 4. Singh, D. K.; Ram, R. B. and L. P. Yadava. (2013). Preharvest treatment of Ca, K, and B reduces softening of tissue in 'Dashehari' Mango. *International Journal of Fruit Science*. 13(3): 299-311.
 5. Sharma, G.; Ram, R. B.; Sharma, K.L. and M. L. Meena. (2013). Effect of organics and inorganics on soil nutrient status, nutrient uptake and yield in tea plantations of North - western Himalayas. *International Journal of Tea Science*. 9(1): 11-19.
 6. Babu, M.; Dwivedi, D. H.; Yogita; Ram, R.B. and M. L. Meena. (2013). Bioaccumulation and distribution of heavy metals in water chestnut (*Trapa natans* var. *bispinosa* Roxb.) in the Lucknow Region. *African Journal of Agricultural Research*. 8(2): 2765 - 2768.
 7. Meena M. L.; Ram, R. B.; Dwivedi, D. H. and Bharti, Navaldey.(2013). Estimation of biological divergence in cabbage (*Brassica oleracea* var. *capitata* L.). *Progressive Horticulture*. 45 (2):351-354.
 8. Mani, S.; Meena, M.L.; Kumar, V. and R.B. Ram. (2013). Impact of INM on growth and yield of Phalsa. *Environment and Ecology*. 31 (2B). 898 - 903.
 9. Lata, R; Dwivedi, D. H.; Ram, R.B. and M. L. Meena. (2013). Influence of microbial, organic and inorganic sources of nutrients on growth parameters of strawberry. *Hortflora Research Spectrum*. 2(2): 135 - 138.
 10. Sharma, G.; Ram, R. B.; Yogita; Mena, M. L. and Lata, Rubee. (2013). Efficacy of nutrient uptake and nutrient status of tea through organic and inorganic fertilizers under agro-ecosystem in North-West Himalayas. *Indian Journal of Agroforestry*. 15(1): 30-35.
 11. Sharma, G; Ram, R. B.; Sharma, K.L. and M. L. Meena. (2013). Integrated nutrient management in tea through organic farming for sustainability of tea productivity and high quality under hill and mountain agro - ecosystem. *Plant Horti Tech Magazine*. December - January: 42 - 47.
 12. Dwivedi, D. H.; Lata, R.; Ram, R. B. and Babu, M. (2012). Effect of bio-fertilizer and organic manures on yield and quality of 'Red fleshed' Guava. *Acta Horticulture*. 933:239-244.
 13. Kumar, D.; Ram, R.B.; Kumar, S.; Maji, S. and Kumar, M. (2013). Variability and physico-chemical studies in snap melon (*Cucumis melo* var. *momordica*). *The Asian Journal of Horticulture*. 8(2): 751-75.
 14. Lata, R; Dwivedi, D. H.; Ram, R.B.; Meena, M. L. and Babu, M. (2013). Impact of Integrated Nutrient Management on growth parameters of strawberry cv. Chandler under sub-tropical conditions of Lucknow. *International Journal of Advanced Biological Research*. 3(3): 418 - 421.
- Dr. Sanjay Kumar**
1. Sandeep Kumar, Sanjay Kumar and N. C. Pushkar (2013). Effect of pinching, disbudding and foliar spray of cytozyme on growth and flowering behavior of annual chrysanthemum (*Chrysanthemum carinatum* Schousb). *Progressive Horticulture* 45(2) 326-330.
 2. Jyoti Swaroop, Sanjay Kumar, Aparna Dube and R. Shukla (2013). Development and Preservation of low calorie Guava nectar. *Plant Archives* Vol. 13 No. 2, 2013 pp. 987-990.
 3. Shweta Soni, Sanjay Kumar, Pallavi Chaudhary and Awadhesh Kumar (2013). Heritability and genetic advance in Cabbage (*Brassica Oleracea* Var. *Capitata* L.). *Hort Flora Research Spectrum* Vol. 2(3): 274-276.
 4. Pallavi Chaudhary, Sanjay Kumar and Prawal Pratap Singh Verma (2013). Correlation and Path coefficient analysis in Brinjal (*Solanum Melongena* L.). *Hort Flora Research Spectrum* Vol. 2(4): 346-351.

5. Sunil Kumar Rawat, Sanjay Kumar and V. K. Pandey (2013). Determination of genetic variability, correlation and path analysis for yield advancement in Fennel (*Foeniculum vulgare* Mill.) *Indian Journal of Ecology*. Vol. 40(2):195-200.
6. Shweta Soni, **Sanjay Kumar** and Sutanu Maji (2013). Correlation and Path coefficient analysis studies in Cabbage (*Brassica Oleracea* Var. *Capitata* L.). *Annals of Horticulture* 6(2): 331-336.
7. Manoj Kumar, M.L. Meena, **Sanjay Kumar**, Sutanu Maji and Devendra Kumar (2013). Effect of nitrogen, phosphorus and potassium fertilizers on the growth, yield and quality of tomato var. Azad T-6. *The Asian journal of Horticulture* Vol. 8 (2): 616-619.
8. Devendra Kumar, R.B. Ram, **Sanjay Kumar**, Sutanu Maji and Manoj Kumar (2013). Variability and physico-chemical studies in snap melon (*Cucumis melo* var. *momordica*). *The Asian journal of Horticulture* Vol. 8 (2): 751-753.
9. Sandeep Kumar, Sutanu Maji, **Sanjay Kumar** and Harsh Deep Singh (2014). Efficacy of organic manures on growth and yield of Radish (*Raphanus sativus* L.) cv. Japanese White. *International Journal of Plant Sciences* Vol. 9 ((1):57-60.
10. Rashmi and **Sanjay Kumar** (2014). Estimation of genetic variability, correlation and path analysis in gladiolus (*Gladiolus species* L.) *International Journal of Plant Sciences* Vol. 9 ((1):186-190.
11. Shilpi Kashyap, **Sanjay Kumar***, Sutanu Maji and Devendra Kumar (2014). Effect of organic manures and inorganic fertilizers on growth, yield and quality of brinjal (*Solanum melongena* L.) cv. Pant Rituraj. *International Journal of Agricultural Sciences* Vol. 10(1) :305-308.
12. Rakesh Kumar Meena, **Sanjay Kumar***, Sutanu Maji, Devendra Kumar and Manoj Kumar (2014). Effect of organic manures and biofertilizers on growth, flowering, yield and quality of tomato cv. Pusa Sheetal. *International Journal of Agricultural Sciences* Vol. 10(1):329-332.

Dr. Deepa H. Dwivedi

1. Mukesh Babu, **Deepa H Dwivedi**, Yogita;

- R. B. Ram and M.L. Meena. (2013). Bioaccumulation and distribution of heavy metals in water chestnut (*Trapa natans* var. *bispinosa* Roxb.) in Lucknow region. *African Journal of Agricultural research*. 8(22): 2765 – 2768.
2. Lata, Rubee; **Dwivedi, D. H.**; Ram, R. B. Meena, M. L. and Mukesh Babu (2013). Impact of integrated nutrient management on growth parameters of Strawberry cv. Chandler under sub-tropical conditions of Lucknow. *International Journal of advance biological research*.3(3): 418-421
3. Lata, Rubee; **Dwivedi, D. H.**; Ram, R. B. and Meena, M. L. (2013). Influence of microbial, organic and inorganic sources of nutrient on growth parameters of Strawberry. *HortFlora Research Spectrum*. 2(2): 135-138.
4. Meena, M. L., Ram, R. B. **Dwivedi, D. H.** and Navaldey Bharti (2013). Estimation of biological divergence in cabbage (*Brassica oleracea* var. *capitata* L.) *Progressive Horticulture*. 43 (2):

Dr. M. L. Meena

1. Sonkar, P.; Ram R.B. and **M. L. Meena**. (2013). Influence of mulch materials and spacings on growth, yield and quality of strawberry (*Fragaria x ananassa* Duch.) under Lucknow conditions. *Advances in Plant Sciences*. 26 (1): 141-144. (NAAS RATING 2.7)
2. Lata Rubee, Deepa H. Dwivedi, R.B. Ram and **M.L. Meena**, (2013). Influence of microbial, organic and inorganic sources of nutrient on growth parameters of strawberry (*Fragaria x ananassa* Duch.). *HortFlora Research Spectrum*. 2(2): 135-138.
3. Babu, M., Dwivedi, D.H., Yogita, R.B. Ram, and **Meena, M.L.** (2013). Bioaccumulation and distribution of heavy metals in water chestnut (*Trapa natans* var. *bispinosa* Roxb.) in the Lucknow region. *African Journal of Agricultural Research*. 8 (22) :2765-2768. (NAAS RATING 6.5)
4. Kumar, V., Ram, R.B., **Meena, M.L.**, Shukla, V. And Singh, C.P. (2013). Integrated disease management through organic farming in vegetable crops in india : A Sustainable tool. *Asian Academic Research Journal of Multi-Disciplinary*, 1 (7): Pp. 19-28.

5. Mani, Shesh, **Meena, M.L.** and Kumar, V and Ram, R.B., (2013). Impact of INM on growth and yield of phalsa (*Grewiasubinequalis* D. C). *Environment and Ecology*. 31 (2B): 898 – 903. (NAAS RATING 2.1)
 6. G. Sharma, R.B. Ram.,Yogita, **M.L Meena.**, and RubeeLata (2013). Efficacy of nutrient uptake and nutrient status of tea through organic and inorganic fertilizers under agro- ecosystem in North- West Himalayas. *Indian Journal of Agroforestry*.(NAAS RATING 3.6)
 7. P.S. Patel, R.B. Ram., Jayprakash, and **M.L Meena.**, (2013). Effect of biofertilizers on growth and yield attributes of pea (*Pisumsativum* L.). *Trends in Biosciences*. 6 (2): 174 – 176. (NAAS RATING 2.7).
 8. G. Sharma, R.B. Ram, K.L.Sharmaand **M.L Meena.**, (2013). Effect of organic and inorganic on soil nutrient status, nutrient uptake and yield in tea plantation of NW Himalayas. *International Journal of Tea Science*. 9(1): 11-19.
 9. LataRubee, Deepa H. Dwivedi ,R.B.Ram, **M.L. Meena**,andBabu, M., (2013). Impact of Integrated nutrient management on growth parameters of strawberry cv.Chander under subtropical conditions of Lucknow. *International Journal of Advanced Biological Research*. 3(3): 418-421. (NAAS RATING 3.6)
 10. **M.L. Meena** ,Ram, R.B.;Dwivedi, , Deepa H. Dwivedi , D.H. andN. Bharti (2013). Estimation of biological divergence in cabbage (*Brassica oleracea var. capitata* L.). *Progressive Horticulture*.45 (2): 351-0354. (NAAS RATING 3.6)
 11. Kumar, M., Meena, M.L., Kumar, S., Maji, S. and Kumar, D. (2013). Effect of nitrogen, phosphorus fertilizers on growth, yield and quality of tomato var. Azad T-6 (*Lycopersicon esculentum* MILL.). *The Asian Journal of Horticulture*. 8 (2): 616-619. (NAAS RATING 3.6)
- Dr. Sutanu Maji**
1. Pratima Singh, sanjay Kumar, Sutanu Maji, and Abhishek Singh (2013). Genetic variability, heritability and genetic advance in cauliflower (*Brassica oleracea var. botrytis* L.). *International Journal of Plant Sciences*. 8(1): 179-182.
 2. Maji S. and Das B. C. (2013). Effect of intercropping on flowering and fruiting of guava cv. L-49. *Annals of Horticulture*. 6(1):76-81.
 3. Maji S. and Das B. C. (2013). Intercropping in young guava orchard. *Annals of Horticulture*. 6(1): 93-98.
 4. Shweta Soni, Sanjay Kumar, Sutanu Maji and Awadhesh Kumar (2013). Heritability and genetic advance in Cabbage (*Brassica oleracea* var. *Capitata* L.) under Lucknow condition. *HortFlora Research Spectrum*. 2(3): 274-276.
 5. Shweta Soni, Sanjay Kumar and Sutanu Maji (2013). Correlation and path coefficient analysis studies for the yield and its traits in cabbage (*Brassica oleracea* var. *Capitata* L.). *Annals of Horticulture*. 6(2): 331-336.
 6. Manoj Kumar, M.L. Meena, Sanjay Kumar, Sutanu Maji and Devendra Kumar (2013). Effect of nitrogen, phosphorus and potassium fertilizers on growth, yield and quality of tomato var. Azad T-6. *The Asian Journal of Horticulture*. 8(2): 616-619.
 7. Devendra Kumar, R. B. Ram, Sanjay Kumar, Sutanu Maji and Manoj Kumar (2013). Variability and physico-chemical studies in snap melon (*Cucumis melo* var. *Momordica*). *The Asian Journal of Horticulture*. 8(2): 751-753.
 8. Sutanu Maji and P. K. Chakrabartty (2014). Biocontrol of bacterial wilt of tomato caused by *Ralstonia solanacearum* by isolates of plant growth promoting rhizobacteria. *Australian Journal of Crop Science*. 8(2):208-214.
 9. Shilpy Kashyap, Sanjay Kumar, Sutanu Maji and Devendra Kumar (2014). Effect of organic manures and inorganic fertilizers on growth, yield and quality of Brinjal (*Solanum melongena* L.) cv. Pant Rituraj. *International journal of Agricultural Sciences*. 10(1): 305-308.
 10. Rakesh Kumar Meena, Sanjay Kumar, Sutanu Maji, Devendra Kumar and Manoj Kumar (2014). Effect of organic manures and biofertilizers on growth, yield and quality of tomato cv. Pusa Sheetal. *International Journal of Agricultural Sciences*. 10(1): 329-332.

11. Sandeep Kumar, Sutanu Maji, Sanjay Kumar and Harsh Deep Singh (2014). Efficiency of organic manures on growth and yield of radish (*Raphanus sativus*) cv. Japanese White. International Journal of Plant Sciences. 9(1): 57-60.
12. Das, B. C., Maji, S. and Singha, S. K. Developmental physiology of fruits of rose apple and Chalta. Proceedings of International Symposium on "Minor Fruits and Medicinal Plants for Health and Ecological Security" held during December 19-22, 2011 at Kalyani, West Bengal, organized by Faculty of Horticulture, BCKV, West Bengal, India (Published in 2013). Pp. 61-69

Research project / consultancy (completed / ongoing / sanctioned/ submitted)

Dr. Sutanu Maji

1. Standardization of low cost eco-friendly drying and dehydration techniques for flowers, foliages and underutilized horticultural produces. Funded by UGC (ongoing)
2. Collection, evaluation and conservation of underutilized vegetables of U.P. (submitted to UP Council of Agricultural Research).
3. One project submitted to UGC under SAP (submitted to UGC).

Membership in various government and other bodies (out of BBAU).

Prof. R. B. Ram

Member coordinator NAAC, Bangalore

Life Membership of Professional Societies:

- Horticultural Society of India, New Delhi, India
- Indian Society of Vegetable Science, Indian Institute of Vegetable Research, Jakhini Shahanshpur, Varanasi.
- The Horticultural Society of Haryana, India
- Society for Advancement of Horticulture, Nadia, West Bengal.
- Biosciences & Agriculture Advancement Society (BAAS), Meerut (India).

Dr. Sanjay Kumar

- Editor, Hort Flora Research Spectrum, Meerut

- Member , Judging committee of the State Fruit and Vegetable show at RajBhawan

Training courses/Programme attended:

Dr Sanjay Kumar

- National Training organized on Krishi Anusandhan Evam Takniki Vikas Shabad by Commission for Scientific & Technical Terminology, New Delhi during January 14-15, 2014.
- Two days workshop on Use of Post–Harvest management Technology in Horticultural Crops by Department of Applied Plant Science(horticulture) during March31-April 01,2014.

Dr. Deepa H. Dwivedi

- Associate Editor, Progressive Horticulture, Society for Development of Hill Horticulture, Rani Khet, Uttarakhand.
- Member, Judging committee of the state fruit and vegetable show at Rajbhawan

Dr. M. L. Meena

- National Training organized on Krishi Anusandhan Evam Takniki Vikas Shabad by Commission for Scientific & Technical Terminology, New Delhi during January 14-15, 2014.
- Two days workshop on Use of Post–Harvest management Technology in Horticultural Crops by Department of Applied Plant Science(horticulture) during March31-April 01,2014.
- Horticultural Society of India, New Delhi, India
- Society for Advancement of Horticulture, Nadia, West Bengal.
- Biosciences & Agriculture Advancement Society (BAAS), Meerut (India).
- Member of judges of flower, fruit and vegetable show at Rajbhawan, Lucknow

Dr. Sutanu Maji

- Life member of Biosciences and Agriculture Advancement Society
- Member of judges of flower, fruit and vegetable show at Rajbhawan, Lucknow

Paper presented in seminar/conference/workshops etc.

Dr. Sanjay Kumar

1. Shashank Verma, **Sanjay Kumar** & Madhvendra Singh. Medicinal value of Aonla. 2nd Lucknow Science Congress organized by Babasaheb Bhimrao Ambedkar University, Lucknow, March 27-28, 2014 pp 17.
2. Devendra Kumar, **Sanjay Kumar** and Manoj Kumar. Global Scenerio of Genetically Modified Crops. Organized by School for Home Science, Babasaheb Bhimrao Ambedkar University, Lucknow, Feb 18-19, 14 pp 65.
3. Manoj Kumar, **Sanjay Kumar** and Devendra Kumar. Nutritional Healthy and Medicinal properties of Crops. Organized by School for Home Science, Babasaheb Bhimrao Ambedkar University, Lucknow, Feb 18-19, 14 pp 74.
4. Priyanka Singh and **Sanjay Kumar**. Aloe-vera as a potential source for nutraceutical product. Organized by School for Home Science, Babasaheb Bhimrao Ambedkar University, Lucknow, Feb 18-19, 14 pp 81.
5. Rakesh Kumar Meena, **Sanjay Kumar***, Sutanu Maji, Devendra Kumar and Manoj Kumar. Effect of organic manures and biofertilizers on growth, flowering, yield and quality of tomato cv. Pusa sheetal. National Conference on Emerging Problems and Recent Advances in Applied Science: Basic to Molecular Approach during Feb 8-9, 2014 pp 199.
6. Swati Brinjh, **Sanjay Kumar***, Devendra Kumar and Manoj Kumar. Effect of Integrated Nutrient Management on Growth, Yield and Quality in Onion cv. Pusa Madhvi. National Conference on Emerging Problems and Recent Advances in Applied Science: Basic to Molecular Approach during Feb 8-9, 2014 pp 203.
7. Manoj Kumar, **Sanjay Kumar**, Sutanu Maji and Devendra Kumar. Plant disease management in Horticulture and adapting to Horticulture to improve human health. National Seminar on "Trends and Advances in Plant Sciences, Aligarh Muslim University, Aligarh during 21-22, 2013 p 24.

8. Awdhesh Kumar, **Sanjay Kumar** and Sutanu Maji. Studies of Genetic Variability, Heritability and Genetic Advance in Okra [*Abelmoschus Esculetus* (L.)Moench]. National Seminar on Climate Change and Indian Horticulture, May 25-27, 2013, P 101-102.
9. Pratima Singh, **Sanjay Kumar** and Sutanu Maji. Genetic Variability Heritability and Genetic Advance Studies in Cauliflower (*Brassica Oleracea* Var. *Botrytis* L.) National Seminar on Climate Change and Indian Horticulture, May 25-27, 2013, P 103-104.
10. Pallavi Chaudhary, **Sanjay Kumar**, Sutanu Maji and Abhishek Singh. Genetic Parameter, Corrlation Coefficient and Path analysis in Brinjal (*Solanum Melongena* L.). National Seminar on Climate Change and Indian Horticulture, May 25-27, 2013, P 105.
11. Surya Prakash, **Sanjay Kumar**, Sutanu Maji and Abhishek Singh. Genetic Variability, Seritability and Genetic advance in Coriander (*Corianderum Sativam* L.). National Seminar on Climate Change and Indian Horticulture, May 25-27, 2013, P 107.
12. Abhishek Singh, **Sanjay Kumar** and Sutanu Maji. Approaches towards Popularization of Protected cultivation for Vegetables Crops. National Seminar on Climate Change and Indian Horticulture, May 25-27, 2013, P 144-145.

Dr. Sutanu Maji

1. A. Singh, S. Maji and S. Kumar (2013). Ecological Engineering: A potential approach for pest management. National symposium on abiotic and biotic stress management in vegetable crops. Held during 12-14 April, 2013 at IIVR, Varanasi P. 131.
2. Amit Kumar Maurya, S. Maji, S. Kumar, H.D. Singh and Dharmendra (2013). Crop regulation in guava for better quality and more profit. International Conference on "Impact of Technological Tools on Food Security under Global Warming Scenario" (ITTFS) held during May 11-12, 2013 at Meerut. P. 68 (2.100)
3. S. Maji and B C Das (2013). Effect of intercropping on flowering and fruiting of guava cv. L-49. International Conference on "Impact of Technological Tools on Food

- Security under Global Warming Scenario" (ITTFS) held during May 11-12, 2013 at Meerut. P. 81 (2.120)
4. Abhishek Singh, Sanjay Kumar and S. Maji (2013). Breeding for abiotic stress in solanaceous vegetables. International Conference on "Impact of Technological Tools on Food Security under Global Warming Scenario" (ITTFS) held during May 11-12, 2013 at Meerut. P. 62 (2.90)
 5. Ashish Kumar Sahu, Sanjay Kumar and Sutanu Maji (2013). Effect of global warming on vegetable production. International Conference on "Impact of Technological Tools on Food Security under Global Warming Scenario" (ITTFS) held during May 11-12, 2013 at Meerut. P. 9(5.12)
 6. Radheshyam Kumawat, Pintu Lal, Lalita Verma and Sutanu Maji (2013). Medicinal properties of Ocimum (Tulsi). International Conference on "Impact of Technological Tools on Food Security under Global Warming Scenario" (ITTFS) held during May 11-12, 2013 at Meerut. P. 7(6.11)
 7. H.D. Singh, S Maji, A K Maurya, Sandeep Kumar and J Chaurasiya (2013). Utilization of garlic for its nutraceutical properties. International Conference on "Impact of Technological Tools on Food Security under Global Warming Scenario" (ITTFS) held during May 11-12, 2013 at Meerut. P. 2(6.4)
 8. Shilpi Kashyap, Sanjay Kumar, Sutanu Maji and Abhishek Singh (2013). Adoption of new technologies in post harvest management in horticultural crops. International Conference on "Impact of Technological Tools on Food Security under Global Warming Scenario" (ITTFS) held during May 11-12, 2013 at Meerut. P.9(7.15)
 9. Radheshyam Kumawat, S Maji, Lalita Verma and V Mishra (2013). Scope of post harvest technology in horticultural crops in India. International Conference on "Impact of Technological Tools on Food Security under Global Warming Scenario" (ITTFS) held during May 11-12, 2013 at Meerut. P. 10 (7.16)
 10. Amit Kumar Maurya, S. Maji, S. Kumar, Dushyant, H. Singh, Dharmendra and Suresh Kumar Yadav (2013). Effect of planting time and spacing on growth, flowering and spike yield of gladiolus (*Gladiolus grandiflorus*). 4th International Conference on Landscape and Urban Horticulture held during September 12-14, 2013 at Kolkata, West Bengal organized by International Society of Horticultural Science (ISHS).
 11. S. Maji and S. Kumar (2014). Green technology: a tool for reducing hazards in agriculture. International conference on Environmental Technology and Sustainable Development: Challenges and Remedies held during 21-23 February, 2014 at BBAU, Lucknow.
 12. Govind, Sutanu Maji, R. Kumawat and Dinesh Chandra Meena (2014). Liquid manuring: an approach for sustainable production using natural resources. International conference on Environmental Technology and Sustainable Development: Challenges and Remedies held during 21-23 February, 2014 at BBAU, Lucknow.
- Ph.D. (awarded), name of candidates, title and name of supervisor.**
- Prof. R. B. Ram**
- Ph.D. thesis submitted by Mr. Ashok Kumar on the topic "**Effect of arbuscular mycorrhizal fungi (AMF) on morphological and nutritional status of aonla (*Embllica officinalis* Gaertn.) seedling and grafted plants**" and Mr. S. K. Chaturvedi on the topic of "**Effect of different levels of pruning and nitrogen on growth, flowering, fruiting, yield and quality of Phalsa**".
- Dr. Sanjay Kumar**
- Ph. D. Thesis submitted by Ms Priyanka Singh on the topic "**Studies on the effect of Ethrel, CaCl₂ and different wrapping materials on post harvest changes in Papaya (*Carica papaya* L.)**".
- Dr. Deepa H. Dwivedi**
- Ph.D. thesis submitted Ms. Rubee Lata on the topic "**Impact of Integrated Nutrient Management on Growth, Yield, Quality and Storage Attributes of Strawberry (*Fragaria x ananassa* Duch.) cv Chandler under Central Uttar Pradesh**" and Mr. Mukesh Babu on the topic "**Bioaccumulation and Partitioning of Heavy Metals in Water Chestnut (*Trapa natans* var. *bispinosa* Roxb.) and Nutritive Value of the Fruit under Lucknow Region**".

III. DEPARTMENT OF BIOTECHNOLOGY

Objectives

The Department of Biotechnology started in September, 2005 under the School for Biosciences and Biotechnology. The present intake capacity is 30 students. Apart from M. Sc in Biotechnology, the department also offers Ph. D in Biotechnology with diverse field of specialization including, Enzyme Technology and Protein Chemistry, Microbial Technology, Plant Molecular Biology and Immunotechnology, Neurobiology.

Department has also started Brain & Cognition Science with intake capacity of 20 Students from the year 2012. This is a highly research oriented course giving world class training in neuro sciences.

Biotechnology, being a multidisciplinary subject, requires knowledge from various areas of biological as well as technological sciences. It encompasses understanding of fundamental concepts and their applications in the area of Molecular biology, Cell Biology, Immunology, Microbiology, Biochemistry, Bioinformatics and Bio-processing.

Keeping in view the developing of modern applied aspect of the subject, Biotechnology has

now become a multi-billion dollar industry. The teaching programme caters the requirement of Biotechnology Industry and Institutes in India and abroad.

The syllabus was revised in academic year 2009-2010 with a great care so that the theory, practicals and tutorials would meet the requirement of such a challenging and demanding field. In addition to the normal teaching classes and the practical training, the curriculum has integral components of Seminars and Research based project works targeted to shape the student's career in accordance with the requirement of the present national and international needs.

The department is in the process of developing facilities conducive for training in the field of Biotechnology at par with that of international level. Faculty of the department is running various externally funded research projects from agencies like UGC, DST and DBT. Many distinguished scientists and eminent scholars from premier research institutes such as CSIR, ICAR, Indian and foreign Universities are invited to deliver lectures in their area of research interest from time to time. The students are exposed to both academics as well as extra curricular activities during their tenure.

A. Faculty Profile:

Sl. No.	Name	Designation	Qualification	Area of Specialization
1.	Prof. M. Y. Khan	Professor & Head	M.Sc. M. Phil., Ph.D.	Protein chemistry and Enzyme Technology
2.	Dr. D.R. Modi	Associate Professor	M.Sc. , Ph.D.	Microbial Technology and Bioremediation
3.	Dr. Sangeeta Saxena	Associate Professor	M.Sc., M. Phil., Ph.D.	Plant Molecular Biology, Molecular Markers, Transgenic Plants
4.	Dr. G. Sunil Babu	Assistant Professor	M. Sc., Ph.D.	Immunotechnology, Animal Biotechnology
5.	Dr. Anand Prakash	Assistant Professor	M. Sc., Ph.D.	Neurobiology and Biochemistry

B. Department Level Academic Activities of the faculties

Seminars, Lectures and other activities (in figure) during the year (2013-14)

Faculty	Seminar/Conference participated by faculty		Research Paper Presented by Faculty		Research Paper Published by Faculty		Book/Chapter Published by faculty
	National	Inter-national	National	Inter-national	National	Inter-national	
Prof. M. Y. Khan	3	Nil	1	1	3	3	2
Dr. D.R. Modi	6	3	2	Nil	Nil	8	Nil
Dr. Sangeeta Saxena	4	3	4	3	Nil	4	Nil
Dr. G. Sunil Babu	2	1	1	0	Nil	4	Nil
Dr. Anand Prakash	1	2	0	1	Nil	Nil	Nil

Department has arranged National Conference/ Workshops on:

- a. Brainstorming Workshop STI POLICY, 13th September, 2013.
- b. 2nd Lucknow Science Congress "LUSCON-2014" 27th - 28th March, 2014.

C. Academic Activities of Faculty Members:

Prof. M. Y. Khan

I. Research Publication

1. A Nonhost Peptidase Inhibitor of ~ 14 kDa from *Butea monosperma* (Lam.) Taub. Seeds Affects Negatively the Growth and Developmental Physiology of *Helico armigera*.

Prabhash K. Pandey, Dushyant Singh, Sangram Singh, **M. Y. Khan** and Farrukh Jamal Biochem. Res. Int., Volume 2014, <http://dx.doi.org/10.1155/2014/361821>.

2. Exploring Drug Targets in Isoprenoid Biosynthetic Pathway for *Plasmodium Falciparum*.

Tabish Qidwai, Farrukh Jamal, **Mohd. Y. Khan** and Bechan Sharma Biochem. Res. Int., Volume 2014, <http://dx.doi.org/10.1155/2014/657189>.

3. Science Education in India: A Perspective. **M. Y. Khan** *India: Culture of Science, Glorious past and Bright Future*, Edited by: Dr. R.C. Sobti and Dr. G.S. Rautela, Published by: Narendra Publishing House, Delhi, India, 2014, pp. 41-52.

4. Youth Empowerment in India: Opportunities and Challenges. **M. Y. Khan** Souvenir, *Tarunullas* (2013) BBAU, Lucknow, November 15-19, 10-11.

5. Establishment of a Leukocyte Cell Line Derived from Peritoneal Macrophages of Fish, *Labeo rohita* (Hamilton, 1822) Abhishek Awasthi, Gaurav Rathore, Neeraj Sood, **M. Y. Khan** & W.S. Lakra Cytotechnology (2013), DOI 10.1007/s10616-013-9660-5.

6. Catalytic Activity of Soluble versus Immobilized Cauliflower (*Brassica oleracea*) Bud Peroxidase-Concanavalin A Complex and its Application in Dye Color Removal.

Farrukh Jamal, Sangram Singh, Tabish Qidwai, Dushyant Singh, P.K. Pandey, G.C. Pandey and **M.Y. Khan** Biocatalysis and Agricultural Biotechnology (2013), 1, 311-321. (ISSN: 1878-8181)

7. Effect of Aloe Vera Gel on Rat Myocardial Contractility, Chronotropy and Coronary Flow in Isolated Heart. Sadhana Verma, Pradeep Kumar, **M. Y. Khan**, Sangeeta Saxena and Shyam Kumar Sharma Nat. J. Med. Res. (2013), 3, 261-263. (ISSN 2249 4995, I.F. 0.60)

8. Temporal Changes of Japanese Encephalitis Virus in Different Brain Regions of Rat. R Srivastava, Jayanti Kalita, **Mohammad Y Khan**, Milind M Gore, Vijay P Bondre, UshaKMishra Indian J. of Med. Res. (2013), 138, 219-223. (ISSN 0971-5916, I.F.2.061)

II. Special Lectures/ Radio Talks/ Symposia, Workshops, Conferences and Seminars Attended/ Organized/ Chaired:

1. Chaired the Session-III (S&T Applications for Sustainable Development) at the 7th Science Communicator's Meet held on February 5, 2014 during the 101st Indian Science Congress Meeting organized jointly by Jammu University and the Indian Science Congress Association at Jammu, February 3-7, 2014.

2. **Chairman of the Organizing Committee**, Brainstorming Workshop on the Science, Technology and Innovation Policy 2013 organized by the Department of Biotechnology, B.B. Ambedkar University, Lucknow, September 13, 2013.

3. **Delivered a special lecture** at the Workshop 'Enhancing Communication Skills of Students in Higher Education : Role of Libraries' Jointly Organized by Information & Guidance Bureau, Placement Cell and the Department of Library & Information Science, BBAU, Lucknow, May 22, 2013.

4. **Organized** the first ever Exhibition of the 'BBAU- Innovators', at BBAU, Lucknow, May 10, 2013.

5. In association with the UPCST, Lucknow, **Organized** the 'Uttar Pradesh Innovation Exhibition' at BBAU, Lucknow, May 10, 2013.

III. J. Publications as Abstracts/Conference Proceedings:

1. On the Molecular Origami of Fibronectin & its Involvement in Manifestation and Regulation of the Physiological Functions of the Protein *in vivo*. **M. Y. Khan** and R.C. Sobti Proceedings of the 101st Indian Science Congress Meeting organized jointly by Jammu University and the Indian Science Congress Association at Jammu, February 3-7, 2014
2. On the Role of the 'Non-native' Structural Entities of Fibronectin in Manifestation and Regulation of its Functions *in situ*. **M. Y. Khan** Proceedings of the Foundation Day Symposium on *Current Trends in Biotechnology*, Organized by the Interdisciplinary Biotechnology Unit, A.M.U. Aligarh, January 16, 2013.

IV. Memberships of the bodies:

1. Life Member (Membership No. 365) of the Society of Biological Chemists, Bangalore, India.
2. Life Member (Membership No. L23101) of the Indian Science Congress Association, Kolkata, India
3. Life Member of Biotechnology Society of India, New Delhi, India.
4. Active Member (Membership No. 219804-A-8811), New York Academy of Sciences, New York, U.S.A.
5. Have been a member of the *American Association for the Advancement of Science*, Washington D.C., U.S.A.
6. Member, 'Vision Group' of the Govt. of Uttar Pradesh, for the development of Science and Technology in U.P., India, May, 2013-continuing.
7. President, BBAU Staff Club, Babasaheb Bhimrao Ambedkar University, Lucknow, March 1, 2013-continuing.
8. Coordinator, 'BBAU-Innovators' Club', Babasaheb Bhimrao Ambedkar University, Lucknow, May, 2013-continuing.
9. Dean Students' Welfare, Babasaheb Bhimrao Ambedkar University, Lucknow, Febuary 04, 2013-continuing.
10. Member Board of Studies (Biotechnology), H.N. Bahuguna Garhwal University,

Srinagar, Uttarakhand, November 22, 2012-continuing.

11. Member, Board of Governors, Azad Institute of Pharmacy & Research, Lucknow, July 16, 2011-continuing.
12. Member, Board of Governors, Azad Institute of Engineering & Technology, Lucknow, March 01, 2011-continuing.

V. Exhibition Organized:

1. Organized the first ever Exhibition of the 'BBAU-Innovators', at BBAU, Lucknow, May 10, 2013.
2. In association with the UPCST, Lucknow, organized the 'Uttar Pradesh Innovation Exhibition' at BBAU, Lucknow, May 10, 2013. The exhibition was Inaugurated by the President of India, Shri Pranab Mukherjee.

Dr. D. R. Modi

Invited Lectures

1. Delivered an invited lecture on "Bacterial and Bioremediation of Petroleum Hydrocarbon" at National Seminar on Frontiers in Modern Biology: From Discovery to Applications held at Department of Botany and Microbiology, St.Aloysius,' College affiliated to Rani Durgavati University Jabalpur 6th-7th Sep. 2013
2. Delivered an invited lecture on Probiotics "An overview of Beneficial effects on health & nutritional properties" One day Workshop on Role of Microbiology in Health and Environmental Protection held at School of Life Sciences ITM University Gwalior 23rd Oct. 2013

Workshop attended

1. "Water Treatment by Adsorption" organized by Dept. of Environmental Sciences, Dr. Ram Manohar Lohia Avadh University Faizabad. 27th-29th July 2013

Publications

1. Amit Pal, Vishwa Mohan, Dinesh Raj Modi, Rohit A. Sinha, Leena Rastogi, Praveen Kumar and Madan M. Godbole (2013). Iodine plus α -3 fatty acid supplementation augments rescue of postnatal neuronal abnormalities in iodine-deficient rat cerebellum. *British Journal of Nutrition* **110(4)**: 659-670.

2. Gautam, N., Singh, K.P. and Modi, D.R. (2013). Screening of soil fungi for α -Amylase activity. Journal of Recent Advances in Applied Sciences (JRASS), **28**: 110-112.
3. Pradeep Kumar, Madhu Kamle, Vijai Kumar Gupta, Brijesh Kumar Pandey, Ashok Kumar Misra and Dinesh Raj Modi (2013) Host Pathogen Interaction Study in Malformed Affected Tissues of *Mangifera indica* | American Journal of Agricultural and Biological Sciences **8 (3)**: 199-203.
4. Pradeep Kumar, Ashok Kumar Misra and Dinesh Raj Modi and Brijesh Kumar Pandey, (2013) Histopathological Study of Healthy and Malformed Tissues of Mango (*Mangifera indica* L) An International Journal of Plant Research **26(2)**: 372-376.
5. Jyoti Verma, Shikha, Dinesh Raj Modi and Sangeeta Saxena (2013). Characterization of Novel Alkaline Protease producing *Streptomyces* from alkaline soil of Lucknow (U.P.) India International journal of Pharma and Bio Sciences. Apr; **4(2)**: (B) 214-224.
6. P. Kumar, V.K. Gupta, A.K. Mishra and D.R. Modi (2014). Molecular characterization of *Fusarium moniliforme* var. *subglutinans* Isolates. Journal of Environmental Biology **35(1)**: 211-216
7. Sangeeta Saxena, Jyoti Verma, Shikha and Dinesh Raj Modi (2014). RAPD-PCR and 16S rDNA phylogenetic analysis of alkaline protease producing bacteria isolated from soil of India: Identification and detection of genetic variability. Journal of Genetic Engineering and Biotechnology. (In Press)
8. Madhukar Saxena, Mayur Sharma and Dinesh Raj Modi (2014). Role and Involvement of Leptin: Disease and Disorders. Research and Reviews in Biosciences. (In Press)

Ph. D (Awarded)

Neelam Gautam

"Isolation, Characterization and Optimization of α -Amylase Production by *Aspergillus niger*"

Dr. Dinesh Raj Modi
Supervisor
Department of
Biotechnology
B.B.A.U., Lucknow

Dr. K.P. Singh
Co-Supervisor
Department of
Microbiology
K.G.M.U., Lucknow

Jyoti Verma

"Studies on Genetic Variability of Alkaline Protease Producing Bacteria from Soil"

Dr. Dinesh Raj Modi
Co-Supervisor
Department of
Biotechnology
B.B.A.U., Lucknow

Dr. Sangeeta Saxena
Supervisor
Department of
Biotechnology
B.B.A.U., Lucknow

Participation in Conferences/ Symposia

1. Diversity and bioremediation activity of indigenous bacterial population in degrading aromatic hydrocarbons from petroleum contaminated soils located in Raipur, Chhattisgarh" in 2nd LUSCON on "Levraging Science and Innovation for Development held at Dept. Of Biotechnology, Babasaheb Bhimrao Ambedkar University, Lucknow during March 27-28, 2014. (Poster)
2. Bioremediation of naphthalene using native bacteria isolated from crude oil contaminated soil. 27-28 March, 2014 in 2nd Lucknow Science Congress, at BBAU University Lucknow (Poster)
3. Hydrocarbon Bioremediation Efficiency by four Indigenous Bacterial Strains in Contaminated Soils 3-7 February, 2014 in 101st Indian Science Congress, in section New Biology at University of Jammu. (Poster)
4. Use of Polymerase chain reaction for the detection of banana bunchy top virus infection in three successive generation of Banana at the 101's Indian Science Congress based on Innovations in Science and Technology for Inclusive development" held at University of Jammu, Jammu during Feb 03-07, 2014. (Poster)
5. Bioremediation of Poly Aromatic Hydrocarbons: A review at an International Conference on "Environmental Technologies and Sustainable Developments: Challenged and Remedies" held at Dept. of Environmental Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow during Feb 21-23, 2014. (Poster)
6. Assessment of growth potential of actinomycetes isolated from hydrocarbon contaminated soil in National seminar on Frontiers in modern biology: From discovery to applications, 6th-7th September

- 2013, at St.Aloysius,' College affiliated to R.D. University Jabalpur. (Poster)
7. Diversity, activity, antibiotic and heavy metal resistance of bacteria from petroleum hydrocarbon contaminated sites located in Chhattisgarh at an International Conference on Environment, Health and Industrial Management (BIOSANGAM) held at MNIT, Allahabad during Nov 21-23, 2013 (Poster)
 8. Isolation, Characterization, Production and Purification of Nattokinase from *Bacillus Subtilis* Nov. 21-23, 2013 in International Conference (Biosangam-2013) on Environment, Health and Industrial Biotechnology at Department of Biotechnology. MNIT Allahabad (Poster)
 9. The Standardization of Protocol for Large Scale Production of Sugarcane (Co-86032) Through Micropropagation at a Symposium on "Recent advances in Biochemistry and Biotechnology: Applications in Health, Environment and Agriculture" held at Dept. of Biochemistry, Lucknow University during Oct 29-31, 2013 (Poster)
 10. Growth Potential Efficiency by four indigenous Bacterial Strains in Contaminated Soil 29-31Oct, 2013 in National Symposium on Recent Advances in Biochemistry and Biotechnology: Application in Health, Environment and Agriculture held at Department of Biochemistry, University of Lucknow. (Poster)
 11. Biotechnology for clean environment by fungal species as candidates for bioremediation at an International Conference on "Advances in Chemical Engineering" held at NIT Raipur during April 05th and 06th, 2013 (Poster)
 12. Use of Polymerase chain reaction for the detection of banana bunchy top virus infection in three successive generation of Banana at 1st Lucknow Science Congress on Innovations in Science for better tomorrow held at Baba Saheb Bhimrao Ambedkar University, Lucknow on March 20-21, 2013 (Poster)
 13. Assessment of growth potential of actinomycetes isolated from petrol contaminated soil 20th-21th march in 1st Lucknow Science Congress (LUSCON-2013) at BBAU - Lucknow (Poster)
 14. Impact of GMO's on environment and human health" in National Seminar held on Environmental Protection and Sustainable Development" at Raipur Institute of Technology on Feb 16th, 2013 (Review Paper)

Membership in Various government and other bodies (out of BBAU)

1. Member, Board of Studies in Microbiology, Faculty of Science, Dr. Ram Manohar Lohiya University Avadh University, Faizabad, Uttar Pradesh.
2. Member, Board of Studies in Biotechnology, Faculty of Science, Dr. Ram Manohar Lohiya University Avadh University, Faizabad, Uttar Pradesh

Dr. Sangeeta Saxena

Research Projects carried out /ongoing as principal investigator:

Title of the Project	Name of the Funding Agency	Duration	Remarks
1. Developing one step multiplex PCR based diagnostic kit to detect viral diseases and desired sex in juvenile papaya for improved production. (Rs. approx. 10 lakh)	Awarded by University Grants Commission (Major Research Project), by Dr. Sangeeta Saxena (PI) and Prof. R.B. Ram (Co PI).	2010-2013 extended till June 2013	Completed
2. <i>In-silico</i> search for potential siRNA sequences to develop geminivirus resistant papaya crop. (Rs. approx 25 lakh only)	Awarded by Department of Biotechnology, DBT ,Govt. of India R&D in "Basic Research Modern Biology" by Dr. Sangeeta Saxena (PI) and Dr. G. Sunil Babu (Co PI).	2010-2013 (extended till 5 August 2014)	Ongoing

Papers published:

1. **Sangeeta Saxena**, Ashish Kumar and Sunil G Babu (2014). Plant miRNAs: Key players in inter- kingdom and intra- kingdom gene regulation. International Journal of Pharma and Bio Sciences. Vol 5 No. 2, (B) 374- 389. (ISSN No. 0975- 6299).
2. Sunil G. Babu, Abhishek Pandeya, Neelam Verma, Nikita Shukla, R. Venkatesh Kumar and **Sangeeta Saxena** (2014). Role of HCMV miR-UL70-3p and miR-UL148D in overcoming the cellular apoptosis. Molecular and Cellular Biochemistry. (Springer).
3. **Sangeeta Saxena**, Jyoti Verma*, Shikha, Dinesh Raj Modi (2014). RAPD-PCR and 16S rDNA phylogenetic analysis of alkaline protease producing bacteria isolated from soil of India: Identification and detection of genetic variability. Journal of Genetic Engineering and Biotechnology (Elsevier). (ISSN:1687-157X).
4. Jyoti Verma, **Sangeeta Saxena** and Shikha.(2013) 16S rDNA based identification of alkaline protease producing alkaliphilic Bacillus sp isolated from dairy industry soil and evaluation of the enzyme potential in detergent formulation. Research Journal of Pharmaceutical, Biological and Chemical Sciences (ISSN: 0975-8585).

International Conference Attended:

1. **Attended, participated and delivered a lecture** in the 7th International Geminivirus Symposium & 5th International ssDNA Comparative Virology Workshop held at Hangzhou, China during Nov 3- 9, 2013.
2. **Attended , participated and delivered a lecture** in 101st Indian Science Congress (Women Science congress) held at University of Jammu, J & K, during 3rd- 7th February, 2014.
3. **Attended , participated and presented a poster** at "International Conference on Environmental Technology and Sustainable Development: Challenges & Remedies" held at Babasaheb Bhimrao University, Lucknow during 21st- 23rd February 2014.

National Conference/Workshop attended:

1. **Attended , participated and presented a**

poster in 2nd Lucknow Science Congress LUSCON-2014 held at Babasaheb Bhimrao University, Lucknow during 27- 28 March,2014.

2. **Attended, participated and presented a talk** in National Workshop " Innovation and Technology Transfer to Industries: Role of Universities", held at Babasaheb Bhimrao University, Lucknow during 10-11 March,2014.
3. **Attended , participated and presented a paper** at National Conference on Women Power in Cutting Edge Biotechnology, held at Amity University, Lucknow during 17-18 October 2013.
4. **Attended, Participated and presented the paper in oral session** at National Seminar on Trends and Advances in Plant Sciences held at Department of Botany , Aligarh Muslim University, Aligarh during September 21-22, 2013.

Invited Lectures:

1. **Delivered Invited Lecture as Resource Person** Under the Training Programmes sponsored by DBT, a workshop (foundation course for researchers, academicians, administrators, entrepreneurs engaged in biotechnology/ bioinformatics / statistical / biological / chemical / information technology areas on "Cheminformatics: Advances in In-silico Drug Designing" february, 20- 22, 2014 at Biotech Park, Lucknow.
2. **Delivered invited lecture on "Gene Flow From Genetically Engineered Crops"** in a NAIP sponsored National training programme on "Environmental Biosafety Issues Associated with Genetically Engineered Crops" organized by Central Institute for Subtropical Horticulture, ICAR Lucknow from 3-16th Dec. 2013.
3. **Delivered invited lecture on "Micro and siRNA Applications in Crop Improvement"**. in a NAIP sponsored National programme on "MAS for molecular breeding in fruits" organized by Central Institute for Subtropical Horticulture, Lucknow from 11-24 Nov. 2013 (on 23 Nov. 2013).
4. **Delivered Invited Lecture as Resource Person** Under the Training Programmes

sponsored by DBT, a workshop (foundation course for researchers, academicians, administrators, entrepreneurs engaged in biotechnology/ bioinformatics / statistical / biological / chemical / information technology areas.) on **“Recent Trends in Structural Biology & Drug Designing”** Oct 24-26, 2013 at Biotech Park, Lucknow.

5. **Delivered a lecture on the topic “Introduction to Genomics and Proteomics”** on **10 August, 2013** in Biotechnology Finishing School at Biotech Park, Lucknow

Dr. G. Sunil Babu

I. Articles/Papers in Journals:

1. **Sunil G Babu**, Abhishek Pandeya, Neelam Verma, Nikita Shukla, R. Venkatesh Kumar, Sangeeta saxena (2014). Role of HCMV miR-UL70-3p and miR-UL148D in overcoming the cellular apoptosis. **Mol Cell Biochem** 1-10. (I.F:2.329)
2. M. Kumar, R. Kumar, A.K. srivastva, V. L. Nag, A. K. Maurya, **Sunil G. Babu** (2014). The efficacy of diagnostic battery in Pott’s disease. **Indian Journal of Orthopedics**. 48(1),60 (I.F: 0.75)
3. Sangeeta Saxena, Ashish Kumar and **Sunil G. Babu** (2014). Plant miRNAs: Key players in interkingdom and intra- Kingdom gene regulation. **International Journal Of Pharma and Bio Sciences** 5(2): (B)374-389. I.F: 0.67
4. A. Sivanantham, K. Firoz Babu, M. Anbu Kulandainathan, **Sunil G. Babu**, R. H. Suresh Babu and Gosipathala Sreedhar (2014). Capping and catalytic behaviour of lithiated sarcosine TFSI on the formation of hexagonal ZnO micro rods using hydrothermal method. **Materials Letters**, <http://dx.doi.org/10.1016/j.matlet.2014.04.101> I.F: 2.224

II. Ph.D awarded as Supervisor:

1. **Syed Rizwan Hussain**
“Role of c-KIT gene mutations in neoplasia of humans” co supervisors Dr Farzana Mahdi Lucknow’s ERA’s Medical College and Dr Pradyumn Singhm Dr Ram Manohar Lohia Institute of Medical Sciences, Lucknow

2. Manoj Kumar

“Early detection of extra pulmonary tuberculosis infection in the neurosurgical samples of humans” Co supervisor Prof. RajKumar, SGPGIMS, Lucknow

III. National workshop attended:

1. Attended 5th **National Workshop on Diabetic Foot Care 2014**, March 1st and 2nd 2014 organized by Department of Endocrine Surgery, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow

IV. International workshop attended:

1. Attended 14th **Indo- US workshop on advanced flow cytometry techniques** organized by Institute of Life Sciences , Bhubaneswar during 22-26th October, 2013.

V. Papers presented in Seminars/ Conference/Symposium/Workshops:

4 Papers presented at 2nd LUSCON, organized by Babasaheb Bhimrao Ambedkar University, Lucknow

1. **“Does HCMV Employs miRNA Mediated Regulation on Cellular Autophagy?”** – By Sunil G. Babu and Sangeeta Saxena
2. **“Rapid and Accurate Detection of INH and RIF Resistant Mycobacterium tuberculosis Among Pott’s Disease”** – By Manoj Kumar, Raj Kumar, Sheetal Verma, Tapan N. Dhole, Sunil G. Babu
3. **“Papillary Thyroid Cancer – Report of a Novel Mutation”** – By Neelam Verma, Gyan Chand, Sangeeta Saxena and Sunil G. Babu
4. **“Role of Angiotensin Converting Enzyme (ACE) Insertion/ Deletion Gene Polymorphism in Leukemia”** – By Syed Rizwan Hussain, M Kaleem Ahmad, Sunil G. Babu, Pradyumn Singh, Farzana Mahdi, Abbas ali Mahdi

Seminars Organized:

Organized **“2nd LUSCON2014”** during 27-28th March 2014, Babasaheb Bhimrao Ambedkar University as Joint Secretary

Membership in the professional bodies:

1. The cytometry Society(India)- Life Member

Dr. Anand Prakash**Research Projects ongoing:**

Title of the Project	Name of the Funding Agency	Duration	Remarks
1. Role of Epigenetics in fear memory consolidation and extinction	Department of Biotechnology, New Delhi	22-09-2011 to 21-09-2014 (03 Years)	Ongoing
2. A Novel Role of CREB and its target genes during Fear Memory Erasure leading to Extinction.	Department of Science & Technology, New Delhi	28-02-2012 to 27-01-2015 (03 Years)	Ongoing

Papers published:

1. Communicated a paper entitled "Role of Hailstone acetylation in extinction of fear".

National /International Conferences Attended:

1. Attended Indo-US symposium on impact of early life diversity on developing brain organized by Biochemistry foundation and Indian Academy of Neurosciences (IAN), on Oct 29, 2013.
2. Participated in a workshop conducted by Scientific and Technical terminology MHRD (Department of Higher Education), New Delhi on 14th Jan, 2014.
3. Presented a paper at International symposium on Neurosciences and XXXI Annual Conference of Indian Academic of Neurosciences and local chapter of IAN, Allahabad, India, on October 25-27, 2013.

Seminars Organized:

Organized '2nd LUSCON-2014' (on 27-28th March 2014) at BBAU as Joint Secretary.

Membership:

Member of SFN (Society for Neuroscience).

IV. DEPARTMENT OF PHARMACEUTICAL SCIENCE

The Department offers M.Pharm and Ph.D programs in Pharmacology and Pharmaceutics. The faculty members are all well qualified and are assisted by experts in the field of Pharmaceutical Sciences to enable a holistic environment of learning. Being placed at Lucknow, networking is possible with institutes like CSIR-CDRI, CSIR-CIMAP, SGPGI and so on. The department is equipped with state of the art infrastructure and equipment and the academic session 2012-13 commenced in the new building of the school. The library has latest journals of pharmacy from reputed publishing houses like Wiley-Blackwell, Springer-Verlag, Taylor & Francis and so on.

Placement Prospects

The Pharmaceutical industry is a recession Proof industry as medicines shall be required till the time that humanity exists. Apart from the Pharmaceutical industry, opportunities also exist in Contract Research Organization (CRO), Clinical Research Organizations, Research

Institutes, Food & Drug Administration, Hospitals, Industrial Pharmacy (research and development, manufacturing and production, analysis and testing, documentation), Pharmaceutical Sales and Marketing, Drug Regulatory Affairs and Intellectual Property Rights, Academic Teaching and Research, Retail and Drug Stores, Consultant Pharmacy, Armed Services and Medical Writing.

Apart from this, there are myriad opportunities including PhD programs, research fellowships, and postdoctoral opportunities in India as well as abroad.

Faculty profile**B. Academic Activities of Faculty Members****B1 Awards/honours/fellowships**

1. Prof Shubhini A Saraf
1. Award for publishing in high impact journal, 2014, BBAU

B2 Books/Edited Books/Monographs

Prof Shubhini A Saraf

Book Chapters:-

1. **Pharmaceutical Biotechnology, in** Biotechnology in medicine and herbal drug development 01/2014: pages 270-286, ISBN: 978-81-92064-0-4
2. **Pharmacosomes: the versatile colloidal carriers,**in Advancement in carrier based drug delivery, The Biohealthcare Publishing(Oxford) Limited, Oxford, (Accepted), 2013
3. **Carbon Nanotropes as Drugs and Drug Delivery Systems,**in Advancement in carrier based drug delivery, The Biohealthcare Publishing(Oxford) Limited, Oxford, (Accepted), 2013
4. **Status of Pharmacy in India: The resplendent past and emerging trends,** 01/2014: pages 14;in India's Culture of Science-Glorious Past and Bright Future, 2014

Dr. Sudipta Saha

Books

Modern Concept on Dyslexia, ISBN no. 978-3-659-55190-1. Publisher: LAMBERT Academic Publishing, Heinrich-Böcking-Str. 6-866121, Saarbrücken, Germany.

1. **B.3 -Papers/Articles in Journal (S) (Published and Accepted)**

Prof Shubhini A Saraf

1. Development of cellulosic polymer based gel of novel ternary mixture of miconazole nitrate for buccal delivery, Volume 103, 15 March 2014, Pages 126-133, **Carbohydrate Polymers**, 0144-8617, Elsevier journal, Impact factor 3.942
2. Combination therapy of gamma-aminobutyric acid derivative promotes

3. Zinc-The metal of life 01/2014, **Comprehensive Reviews in Food Science and Food Safety**, 1541-4337, Blackwell Publishing, Impact Factor 5.05
4. Glyceryl monostearate based nanoparticles of mefenamic acid: Fabrication and in vitro characterization 08/2013; 5(3). DOI:10.1016/j.dit.2013.06.011, **Drug Invention Today**, 0975-3575, Elsevier journal
5. Solubility enhancement of miconazole nitrate: binary and ternary mixture approach 06/2013, **Drug Development and Industrial Pharmacy**, 1549-7852, (Impact Factor: 1.54).Taylor and Francis
6. Phytochemistry, Pharmacology and Toxicology of Spilanthes acmella: A Review Publication date 2013/11/26, **Advances in pharmacological sciences**, 1687-6334, Hindawi journal
7. Surface modification of poly (l-lactic acid) microspheres for site-specific delivery of ketoprofen for chronic inflammatory disease 2013/4 Volume21, Issue 3 Pages232-239, **Journal of drug targeting**, 1061-186X, Informa Healthcare , Impact factor 2.995
8. Evaluation of mechanism of hepatotoxicity of leflunomide using albino wistar rats ,2013/6 Volume7, Issue 24 Pages1625-1631, **African Journal of Pharmacy and Pharmacology**, 1996-0816, Impact factor 0.84
9. Fabrication and Evaluation of Colon Targeted Uricase Containing Microbeads for Treatment of Gout 2013/4 Volume3 Issue1 Pages47-53, **Drug Delivery Letters**, 2210-3031, Bentham Science Publishers.

S. No.	Name	Designation	Qualification	Area of Specialization
1	Shubhini A Saraf	Professor	M.Pharm (pharmaceutics) PhD	Lipoidal nanotechnology, Drug delivery
2	Dr. Sudipta Saha	Assistant Professor	M.Pharm (pharmaceutical chemistry), PhD	Pharmacokinetics, Cellular Toxicology
3	Dr. Gaurav Kaithwas	Assistant Professor	M.Pharm (pharmacology), PhD	Lipid Research, Inflammopharmacology

10. Formulation and Evaluation of Floating Nateglinide Tablets Using Factorial Design , Research & Reviews: **Journal of Pharmaceutical Analysis**, 2(4) p13-19.
11. Evaluation of gatifloxacin pluronic micelles and development of its formulation for ocular delivery 2014,Pages10, **Drug Delivery and Translational Research**, 2190393X, Springer US, Impact factor 2.5 as per SCImago
12. Intranasal Delivery of Chitosan nanoparticles for Migraine Therapy doi:10.3797/scipharm. 1208-18, Sci Pharm, 00368709, Osterreichische Apotheker-Verlagsgesellschaftm.b.H. Impact 1.5 as per SCImago
13. Sahu RK, Singh B, **Saraf SA**, Kaithwas G, Kishor K. Photochemical toxicity of drugs intended for ocular use. Arh Hig Rada Toksikol. 2014 Jun;65(2):157-67 Impact factor 0.727.

Dr Sudipta Saha

1. Phytochemistry, Pharmacology and Toxicology of *Spilanthes acmella*: A Review. Dubey S, Maity S, Singh M, Saraf SA, **Saha S**. *Advances in Pharmacological Sciences*, Volume 2013, Article ID 423750, 9 pages.
2. Evaluation of Analgesic and Anti-Inflammatory Activity of Chloroform and Methanol Extracts of *Centella asiatica* Linn. **Saha S**, Guria T, Singha T, Maity TK. *ISRN Pharmacology*, Volume 2013, Article ID 789613, 6 pages.
3. Khinchi P, **Saha S**, Saraf SA, Kaithwas G. Combination therapy of gamma-aminobutyric acid derivative promotes proton pump inhibitor based healing of reflux esophagitis in animal model. *Pharmacol Rep*. 2014 Feb;66(1):165-8.
4. Arya E, **Saha S**, Saraf SA, Kaithwas G. Effect of *Perilla frutescens* fixed oil on experimental esophagitis in albino Wistar rats. *Biomed Res Int*. 2013;2013:981372

Dr. Gaurav Kaithwas

1. Khinchi P, Saha S, Saraf SA, **Kaithwas G***. Combination therapy of gamma-aminobutyric acid derivative promotes proton pump inhibitor based healing of reflux esophagitis in animal model. *Pharmacol Rep*. 2014 Feb;66(1):165-8.
2. Sahu RK, Singh B, Saraf SA, **Kaithwas G**, Kishor K. Photochemical toxicity of drugs intended for ocular use. *Arh Hig Rada Toksikol*. 2014 Jun;65(2):157-67.
3. Shukla K, Raj P, Kumar A, Kumar M, **Kaithwas G***. Effect of monotherapy and combination therapy of pantoprazole and aprepitant in gastric esophageal reflux disease in albino rats. *Scientific World Journal*. 2014 Mar 23;2014:183147.
4. Anand R, **Kaithwas G***. Anti-inflammatory potential of alpha-linolenic acid mediated through selective COX inhibition: computational and experimental data. *Inflammation*. 2014 Aug; 37(4):1297-306.
5. **Kaithwas G**, Singh P, Bhatia D. Evaluation of in vitro and in vivo antioxidant potential of polysaccharides from *Aloe vera* (*Aloe barbadensis* Miller) gel. *Drug Chem Toxicol*. 2014 Apr; 37(2): 135-43
6. Dubey S, Gautam S, **Kaithwas G**, Comment on "Disruption of social approach by MK-801, amphetamine & fluoxetine in adolescent C57BL/6J mice" –by S. Moy et al. *Neurotoxicol Teratol*. 2014 Jan-Feb; 41:96.
7. **Kaithwas G**, Majumdar DK. Effect of *L. usitatissimum* (Flaxseed/Linseed) Fixed Oil against Distinct Phases of Inflammation. *ISRN Inflamm*. 2013 Feb 17; 2013: 735158.
8. Arya E, Saha S, Saraf SA, **Kaithwas G**. Effect of *Perilla frutescens* fixed oil on experimental esophagitis in albino Wistar rats. *Biomed Res Int*. 2013;2013:981372

B.4- Lectures Delivered

Prof Shubhini A Saraf

1. **Nanolipoidal drug delivery systems. Expectations and reality**, Resource person, 4th NIPER (RBL)-CDRI Symposium Current Scenario In Drug Discovery & Development, Feb20-22, 2014, CSIR-Central Drug Research Institute, Lucknow
2. **Safety for herbal cosmetics**, National Convention and Interactive Seminar on "Leveraging Aromatic and Medicinal Plants & Products, 8-9 March, 2014, CSIR-CIMAP and Biotechnology Park, Lucknow.

3. **Ethics in science**, Lucknow Science Congress, **LUSCON 2014**, BBAU, Lucknow
4. **Lipid nanomedicine: Living up to expectations**, National Workshop on Nanomedicine, held on 7th March 2014, Integral University
5. **Lipoidal nanotechnology: pros and cons**, Recent Trends in Drug Development, Amity University
6. **Nanotechnology in Drug Research-Towards Meaningful Experimentation and Innovation**, 101st Session of Indian Science Congress, plenary lecture, 3-7th Feb, 2014.
7. **Characterization of lipoidal nanoparticles**, International symposium on material characterization, July, 2014, Babasaheb Bhimrao Ambedkar University, Lucknow

Dr. Gaurav Kaithwas

1. **Challenges in Drug Development & Research-A protective Approach**, United Institute of Pharmacy Naini, Allahabad, March 21-22, 2013, Allahabad.
2. **Current Scenario in Drug Discovery & Development**, 6th NIPER (RBL)-CSIR-CDRI, 20-22nd Feb, 2014, Lucknow

B.5-Projects

Prof Shubhini A Saraf; Co PI, Study of ICT/innovation enabled health care facilities, in the rural, semi- urban and urban milieu for affordable healthcare, DST sponsored Centre for policy research, BBAU, Lucknow

Dr. Gaurav Kaithwas

1. SERB, DST. Effect of Alpha Linolenic acid and Gamma Linolenic acid on breast cancer risk (46.14 Lakhs)

Dr. Sudipta Saha

1. UGC, Major Research Project. Isolation, characterization and pharmacological screening of antidiabetic bioactive substances from medicinal plants. (10.98 Lakhs).
2. SERB, Department of Science and Technology, *in vitro* hepatoprotective and anticancer activity and *in vivo*

pharmacokinetics studies of Betulinic acid nanoparticles. (25.00 Lakhs).

B.6 Membership in various Government and other Bodies.

Prof Shubhini A Saraf

1. Member 'Board of Studies' for **B. Pharm. & M. Pharm**, U P Technical University, Lucknow. 2013-14.
2. Member 'Examination committee' of U P Technical University, Lucknow. 2013-14.
3. Inspector for University Inspections of various colleges for U P Technical University, Lucknow. 2013-14.
4. Member **Research Degree Committee of Pharmacy**, for U P Technical University, Lucknow. 2013-14.
5. Inspector for **Pharmacy Council of India (PCI)**

Membership in BBAU

Prof Shubhini A Saraf

- 1) Chairman, **BPGS**, Dept. Of Pharm.Sc, BBAU, Lucknow Member, **Examination Committee**, BBAU, Lucknow, 2013-2014
- 2) Chairman, **Departmental Research Committee of Pharmacy**, BBAU, Lucknow 213-14.

Dr. Sudipta Saha

- (i) Member in Board of Studies of Department of Pharmaceutical Sciences, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India.
- (ii) Member of DRC of the Department of Pharmaceutical Sciences, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India.

Dr. Gaurav Kaithwas

- (i) Member in Board of Studies of Department of Pharmaceutical Sciences, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India.
- (ii) Member of DRC of the Department of Pharmaceutical Sciences, Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, India.

B.7 Paper Presented In Seminars/ Conferences/ Workshops.

Prof Shubhini A Saraf

1. Effect of serecin on ocular wound healing and cataract, 2nd International and 7th National Annual Conference of Society for Wound Care and Research. Basics to wound care research. 11th, 12th and 13th October 2013, JIPMER, Pondicherry, India
2. Emerging Green Strategies for Nanoparticulate Drug Delivery, utilizing excipients sourced from nature, ETNSD-2014, Deptt. of Environmental Sciences, SES, BBAU, Lucknow

Papers presented by students

1. The Topical Treatment of Joint Pain and Arthritis By Emulgel of Ibuprofen Containing Peppermint Oil and Its Evaluation, IHPA GOLDCON, March'2014, Ms. Deepika Rawat, Dr. Shubhini Saraf
2. Formulation and Evaluation Miconazole Nitrate Loaded Nanostructured Lipid Carriers Based on Pseudoternary Phase Diagram, IHPA GOLDCON, March'2014, Ms. Samipta Singh, Mr. Mahendra Singh, Dr. Shubhini Saraf
3. Self Nano Emulsifying Drug Delivery System, IHPA GOLDCON, March'2014, Chandra Bhushan Tripathi, Mahendra Singh, Shubhini Saraf, Bhupinder Bhoop-4th Prize
4. National Seminar on Recent Trends & Drug Development, IHPA GOLDCON, March'2014, Mahendra Singh, Shyam Sundar, Shubhini A. Saraf
5. Colloidal Nano carriers of Antimalarial Drug: Formulation, Characterization and Bioavailability Enhancement, SGRRITS, Dehradun, Mahendra Singh, Chandra Bhushan Tripathi, Shubhini A. Saraf and B. S. Bhoop
6. ABC of Patent Filling: Indian Scenario, A Seminar/Workshop on Patent, Mahendra Singh, Jovita Kanaujia, Shubhini A. Saraf
7. Role of Antioxidants in Cancer Management, LUSCON, March'14, Chandra Bhushan Tripathi, Shubhini A. Saraf

8. Formulation and Evaluation of Proniosomes for Topical Delivery, IHPA GOLDCON, March' 2014, Poonam Parashar, Shubhini A. Saraf
 9. Assessment of Drug Delivery and Anticancer Potential of Multikinase Inhibitor in Lung Cancer, LUSCON, March'14, Poonam Parashar, Shubhini A. Saraf
 10. Formulation and Characterization of Ibuprofen Loaded Ethyl Cellulose Microspheres, International Conference on Pharmaceutical Sciences, Feb 14-15, 2014, Jovita Kanaujia, Shubhini A. Saraf
 11. Development of Piroxicam Loaded Nanostructured Lipid Carrier for Spodylitis Treatment, ICNN-2013, Jovita Kanaujia, Shubhini A. Saraf
 12. Application of a Factorial Design to the Study of Gelling Capacity, Bioadhesive Strength and In-vitro Drug Release of In-situ Gel, IHPA GOLDCON, March'2014, Jovita Kanaujia, Shubhini A. Saraf
 13. Development and Characterization of Polypeptide Based Nanocarriers in Drug Delivery, LUSCON, March'14, Jovita Kanaujia, Shubhini A. Saraf- 1st Prize
 14. Effect of Different Cross Linking Agents on the Sodium Alginate Based Tinidazole Beads, IHPA GOLDCON, March'2014, Farheen Khan, Shubhini A. Saraf
 15. Development and Physical Characterization of Mucoadhesive Gel of Metronidazole for Topical Treatment of Acne, ICPS, Dehradun, Feb'14, Nimisha Gupta, Shubhini A. Saraf
 16. Nanocarriers: The Toxicity Angle, IHPA GOLDCON, March'14, Neha Gupta, Shubhini A. Saraf
 17. Green Concepts: Recent Trends, International Conference on Environmental Sustainability and Development, Feb'14, Farheen Khan, Shubhini A. Saraf
 18. Comparative Study of Marketed Formulation and In-situ Gelling System Containing Nerfloxacin, IHPA GOLDCON, March'14, Alok Kumar Yadav, Shubhini A. Saraf- 2nd Prize
- A. Recent Advances in Exploring Pharmacy Education, Mobile

Application and Social Networking Site, IHPA GOLDCON, March'14, Nimisha Gupta, Shubhini A. Saraf-2nd Prize

- B. Development and Characterization of Targeted Green Nanotechnology Based Delivery System(s) for Cancer Therapy, LUSCON, March'14, Malti, Shubhini A. Saraf

Dr. Sudipta Saha

1. Cytotoxicity of different extracts of *Macuna Pruriens* seed on hepatoma cells but not on normal hepatic cells. **Sudipta Saha**, Rajnish Kumar Yadav, Siddhartha Maity, Tanmay Guria. 2nd Pharm. Tech. IAPST International Conference on "New insights into diseases and recent therapeutic approaches" on January 17-19, 2014 at Jadavpur University, Kolkata, India.

Paper presented by students

2. Hepatoprotective activity of the ethanolic root extract of *Tabernaemontana coronaria* in albino wistar rats. Rajnish Kumar Yadav, Sweeta Shukla, Sudipta Saha, 2nd Pharm. Tech. IAPST International Conference on "New insights into diseases and recent therapeutic approaches" on January 17-19, 2014 at Jadavpur University, Kolkata, India.
3. Hepatoprotective Potential of the Ethanolic Extract of *Cynodon Dactylon* (L.) on Carbon Tetrachloride. Ambuja Kumar, Priya Singh, Sudipta Saha. IHPA GOLDCON, March'14.
4. Evaluation of Cardioprotective Activity of *Ficus Religiosa* Fruits Using Albino Wistar Rats. Amit Kumar Keshari, Indrapal Singh, Sudipta Saha. IHPA GOLDCON, BBAUMarch'14,

Life Membership

Prof Shubhini A Saraf

1. Indian Pharmaceutical Association (IPA)
2. Indian Pharmaceutical Graduate Association (IPGA)
3. Society of Pharmacovigilance (INDIA) (ISP)
4. Laboratory Animal Science Association of India (LASAI)
5. Association of Pharmacy Teachers of India (APTI)

Dr. Gaurav Kaithwas

1. Association of Pharmacy Teachers of India
2. Science Advisory Board (USA)
3. Laboratory Animal Science Association of India (LASAI)

Research Contribution

Prof Shubhini A Saraf

Guided 13 M. Pharm thesis in 2013-14.

Dr. Sudipta Saha

Guided 13 M. Pharm thesis in 2013-14.

Dr. Gaurav Kaithwas

Guided 13 M. Pharm thesis in 2013-14

Orientation/Refresher Courses Prof Shubhini A Saraf

Attended refresher course on Updates of IPR at CST, UP, Lucknow, 17th - 18th December, 2013

Dr. Sudipta Saha

Completed fifteen days Refresher Course from Jadavpur University, Kolkata, July, 2014





SCHOOL FOR ENVIRONMENTAL SCIENCES

The School for Environmental Sciences (SES) represents an interdisciplinary faculty of international repute with the objective to inculcate reasoning, innovation, critical analysis and problem solving approach to achieve a sustainable environment on the mother earth. The need for a better and safer environment has been realized recently, more than ever before, as the problem of contamination of water, soil and atmosphere particularly the biosphere by toxic substances is leading to serious productivity loss and increasing health hazards. Water crises, energy depletion, global warming, loss of biodiversity, deforestation and an overall imbalance of ecosystem are increasing day-by-day. Currently, the school is having two Departments i.e., Department of Environmental Science and Department of Energy & Environment. Both the Departments are working as important centres for learning and disseminating the knowledge in various aspects of environment by offering M.Sc. and Ph.D. degrees to students. Presently, there are about 58 M.Sc. students and more than 33 Ph.D. scholars working in diverse fields of Environmental Science. Department of

Environmental Science is having well-experienced faculty and giving special emphasis on research and development in areas of global climate change, environmental stress, air and water pollution. In addition, faculty is also focusing on Environmental Impact assessment and environmental auditing and monitoring. Similarly, the department of Environmental Microbiology is having dedicated and learned faculties and doing good research for achieving academic excellence in areas of microbial diversity, bioremediation of industrial waste, plant-microbes interaction, role of genetically modified microbes in agriculture and environment. Both the departments are also determined to develop the school as a centre for academic excellence in the country. School for Environmental Sciences is also having funded programmes from DBT, DS, CSIR, Science & Technology UP to be based upon societal need of the country. Further, the school is seriously looking forward to set-up a national centre for Environmental impact assessment studies, Restoration and Conservation Ecology, Bioremediation of contaminated ecosystem, Bioenergy as a centre of excellence studies of Environmental Pollution and Monitoring.

I. DEPARTMENT OF ENVIRONMENTAL SCIENCE

The Department of Environmental Science (DES) came into existence in 1997 under the School for Environmental Science (SES). The Department started with an aim to promote and prepare passionate professionals who could drive positive change in the areas of resource sustainability, conservation and offer leadership in the field of environment.

The Department of Environmental Science offers a two-year instructional postgraduate program leading to a Master of Science (M.Sc.) in Environmental Science and M.Tech in Energy and Environment. The curriculum includes the disciplines of ecology, energy, resources and management, toxicology, environmental remediation and impact assessment, environmental planning and natural resource management, and emphasizes management and conservation of natural resources and processes that sustain consumptive uses of resources in a sustainable manner.

These programs provide students with a high-quality environmental education that includes experience with research and field projects. The program provides scientific and technical background that empowers students to successfully pursue science and technology careers, or, proceed to advance research studies. Various faculty members in the Department strive to make each student's education experience challenging and rewarding. Efforts are on to develop it as a 'Centre of Excellence' in the field of Environmental Science and energy studies. The Department intends to impart special training to students who can easily handle the emerging environmental problems of various kinds faced by the industries and the society on the both technological and environmental fronts. The Department also offers Ph.D. degree in all research fields related to environment. There are two Professors, two Associate Professors and four Assistant Professors in the Department from diverse fields of specialization ranging from

Environmental Microbiology, Stress biology, Environmental Biotechnology, Environmental Impact Assessment (EIA), Environmental Toxicology, Environmental Chemistry, Environmental Modeling and Management.

The department has also signed MOU with research organizations working in the areas of environmental such as Indian Institute of Toxicological Research (IITR), National Botanical Research Institute (NBRI) and Central Institute of Medicinal and Aromatic Plants (CIMAP), During the last 5 years, more than 50 postgraduate students of this department have qualified in NET/GATE organized by UGC/ICAR/AICTE etc. The Department of Environmental Science has been included in the FIST Programme of Department of Science and Technology, Govt. of India and received a sum of Rs. 50 lacs for improvement of infrastructural and research facilities in the department. The Department is running on M.Tech. in Energy and Environment from the session 2013-14. Presently, there are about 53 students enrolled in M.Tech Programme

The Department regularly organizes regular seminars during weekends for the students, where students speak on topic of their choice, in order to harness their oration skills and to create general awareness among them on different aspects of environmental issues. Department is

also actively organizing special Programme on current topics in the field of environmental sciences from time to time. Department takes pride in not missing the celebration of national Science, World Wetlands Day, Ozone Day, World Environment Day, Wildlife-week, World Water Day, International Conference on Environmental Technology and Sustainable Development: Challenges and Remedies and workshop on and Workshop on Mainstreaming Climate Change Adaptation & Disaster Risk Reduction . Students regularly participate in various extra-curricular activities such as debate completion, essay writing, cultural and sports activities organized by the University. Involvement of students in field and dissertation works helps students to establish relationship with professional organizations that help them in their extension studies and placements. One semester of dissertation work provides critical real-world experience for our students, preparing them for successful careers. Students are prepared for a broad range of professional careers in environmental science and management. Students are educated in environmental assessment, impact analysis and management of natural resources. Knowledge of the legal and regulatory aspects of environment is balanced with study of on hand training and practices required to solves the conflicts over the environmental issues.

Faculty Members

Name	Designation	Qualification	Specialization
Prof. D.P. Singh	Head & Dean, SES	M.Sc., Ph.D.	Environmental Microbiology/Stress Physiology
Prof. Rana Pratap Singh	Professor	M.Sc., Ph.D.	Sustainable Agriculture, Slow Release Fertilizers, Bioremediation and EIA
Dr. S.K. Dwivedi	Associate Professor	M.Sc., Ph.D.	Microbiology Ecology, Environmental Microbiology
Mr. N.K.S. More	Associate Professor	M.Sc., M.Phil	Cell & Developmental Biology, Toxicology
Dr. Shikha	Assistant Professor	M.Sc., Ph.D.	Environmental Microbiology
Dr. Narendra Kumar	Assistant Professor	M.Sc., Ph.D.	Water Pollution and Impact Assessment
Dr. Venkatesh Dutta	Assistant Professor	M.Sc., Ph.D.	Environmental Management, EIA, Modelling, Water Res. Management
Dr. Richa Kothari	Assistant Professor	M.Sc., M.Phil, Ph.D.	Renewable energy and wastewater Treatment Technology.

Departmental Level Academic Activities

Faculty Name	Seminar/Conference Participated by Faculty	Seminar/Conference/Lecture Organized by Department	Research Paper presented by faculty	Research Paper Published by Faculty	Book Published by Faculty
Prof. D.P. Singh	5	03		27	
Prof. Rana Pratap Singh	06	01		15	

Dr. S.K. Dwivedi	05	02		16	
Mr. N.K.S. More	05	06		09	
Dr. Shikha	03	01		06	
Dr. Narendra Kumar				04	
Dr. Venkatesh Dutta	09		06	03	
Dr. Richa Kothari	06	02		03	01

Award/Honors/Fellowship achieved

Prof. R.P. Singh

1. B.B.A. University, recognition award 2013-14 for publishing research work in high impact factor journals.

Books (s) chapter with details of title, editors name, publisher, place of publication, year etc.

Prof. D.P. Singh

1. Neetu Verma, Richa Kothari, Tanu Allen and **D.P. Singh** (2013) Assessment of lipid productivity of *Chlamydomonas polypyrenoideum* cultured in tannery industry wastewater In: Recent Advances in Bioenergy Research Vol. II (Eds. Sachin Kumar and S.K. Tyagi) Electronic version published by SSS-NIRE (ISBN-978-81-927097-1-0) pp 332-337

Dr. S.K.D.

1. **Dwivedi S. K.** (2014). Biofertilizers in sustainable Development of agricultural crops. - In: Organic Farming and Management of Biotic Stresses (eds. S.K.Biswas& Samir Pal. Biotech Books, New Delhi. p.160-169. (with Sangeeta and Ram Gopal) (ISBN: 978-81-7622-306-5).
2. **Dwivedi S. K.** (2014). Role of plant growth promoting Rhizobacteria in crop improvement. In: Biofertilizers for Sustainable Agriculture (ed. Sampat Nehra) Aavishkar Publishers, Distributers, Jaipur. p.1-41 (ISBN: 978-81-7910-452-1)- (with Ram Gopal).
3. **Dwivedi S. K.** (2014). Pathogenic fusaria of some crop field soil and their management In: Plant Disease Management and Microbes (ed. SampatNehra) Aavishaar Publishers, Distributers, Jaipur p. 56-81. (ISBN: 978-817910-456-9) p. 56-81(with Neetu Dwivedi)

4. **Dwivedi S.K.** (2014). Antagonistic-microfungi in management of phytopathogens In: Plant Disease Management and Microbes (ed. SampatNehra) Aavishkar Publishers, Distributers, Jaipur p. 1-43. (ISBN: 978-81-7910-456-9) p. 1.42. (withSangeeta).
5. **Dwivedi S.K.** (2014). Impact of Chemicals in Soil Environment. In: Biofertilizers for Sustainable Agriculture (ed. SampatNehra) Aavishkar Publishers, Distributers, Jaipur. p.190-208 (ISBN: 978-81-7910-452-1)- (with Sangeeta).
6. **Dwivedi S.K.** (2014). Mycoremediation with reference to Heavy Metals. In: Applied Microbiology (ed. SampatNehra) Pointer Publishers, Jaipur. p. 101-117. (ISBN: 978-81-7132-767-6) (with Sangeeta and Shipra Chandra)
7. **Dwivedi S.K.** (2014). Biofuel : as sustainable energy source. (Accepted). (withSangeeta and Ram Gopal).
8. **Dwivedi S.K.** (2014). Plant Diversity with reference to Environmental Factors. (with Sangeetand Ram Gopal) (Accepted).

Mr. N.K.S. More

1. Water Quality Assessment of River Gomti in Lucknow , Dhananjay Kumar, Anjali Verma, NamitaDhusia and Nandkishor More (2013) Universal Journal of Environmental Research and Technology.(eISSN No 2249-0256) vol 3, issue 3: 337-344.
2. Phytoremediation potential of *Phragmites karka* in arsenic contaminated soil and water(2014)Anjali Verma, Mamta Kumari, Namita Dhusia and Nandkishor More *IOSR Journal of Environmental Science, Toxicology and Food Technology eISSN:2319-2402 P ISSN: 2319-2399 vol 8, issue 1.*
3. Extent of nitrate and nitrite pollution in ground water of rural areas of Lucknow,

UP, India A Verma, A K Rawat and Nandkishor More(2014) J. Current World Environment Vol. 9(1),114-122

4. "Characterization and identification of multi-drug and multi-metal resistant enterobacteria from treated distillery wastewater" Ram Chandra, Nandkishor More, and Ram Naresh Bharagava, (2014) World Journal of Microbiology and Biotechnology. In revision
5. Heavy metal translocation in aquatic macrophytes naturally grown in Gomti River, Lucknow, India (2014) NANDKISHOR MORE,SUSHIL K BHARTI, DHANANJAY KUMAR, NARENDRA KUMAR, RAM NARESH BHARGAVA, Jr of Ecological Engineering under review
6. **Role of Macrophytes in Heavy Metal Removal Through Rhizo-filtration in Aquatic Ecosystem (2014)** Sudhir Verma¹ Ram Naresh Bharagava² R Venkatesh Kumar³ Ashima Singh⁴ Namita Dhusia¹ and Nandkishor More¹ **Sustainability of Water Quality and Ecology communicated**
7. "Characterization and identification of multi-drug and multi-metal resistant enterobacteria from treated distillery wastewater" Ram Chandra, Nandkishor More, and Ram Naresh Bharagava, (2014) World Journal of Microbiology and Biotechnology. In revision
8. Heavy metal translocation in aquatic macrophytes naturally grown in Gomti River, Lucknow, India (2014) NANDKISHOR MORE, SUSHIL K BHARTI, DHANANJAY KUMAR, NARENDRA KUMAR, RAM NARESH BHARGAVA, Jr of Ecological Engineering under review
9. **Role of Macrophytes in Heavy Metal Removal Through Rhizo-filtration in Aquatic Ecosystem (2014)** Sudhir Verma¹ Ram Naresh Bharagava² R Venkatesh Kumar³ Ashima Singh⁴ Namita Dhusia¹ and Nandkishor More¹ **Sustainability of Water Quality and Ecology communicated**

Review Articles in Journals

1. Carbon Sequestration Vs Organic Farming in Rainfed Ecosystem: An Indian Perspective (2014) Ashima Singh,

JitendraPandey and Nandkishor More J. Frontiers in Earth Science, in revision.

Dr. Shikha

1. Shiv Shankar, Uma Shankar and Shikha (2014) Arsenic contamination of groundwater: A review of sources, prevalence, health risks and strategies for mitigation, The Scientific world journal. Volume 2014, Article ID 304524, 18 pages <http://dx.doi.org/10.1155/2014/304524>.
2. Shiv Shankar and Shikha (2014) Fungal degradation of Polycyclic aromatic hydrocarbons, In: Biotechnology Volume 11-Biodegradation and Bioremediation (M. Ahmad & J. N. Govil eds.), Studium Press LLC, USA, Volume 11, pp 95-123. (Series ISBN: 1-62699-015-8, Volume ISBN: 1-62699-026-3)

DR. Venkatesh Dutta

1. "Science, technology and innovation policy for inclusive growth: defining the future agenda for India" in Sobti, R. C. (edited) "India: Culture of Science-Glorious Past & Bright Future.", Narendra Publishing House, 2014, New Delhi.

Dr. Richa Kothari

1. Virendra Kumar, **Richa Kothari**, S.K. Tyagi. Biological hydrogen production by facultative anaerobic bacteria *Enterobacter aerogens* (MTCC 8100), Recent Advances in Bioenergy Research, Volume III, Sardar Swaran Singh National Institute of Renewable Energy Kapurthala, India, 2014. (ISBN 978-81-927097-2-7).
2. Vinayak V. Pathak, **Richa Kothari**, A.K. Chopra, Lhaihoichong Singson, Assessment of solid waste management and energy recovery from waste materials in Lucknow zoo: A Case study, Recent Advances in Bioenergy Research, Volume III, Sardar Swaran Singh National Institute of Renewable Energy, Kapurthala, India, 2014. (ISBN 978-81-927097-2-7).
3. **Kothari Richa**, Kumar Virendra, Panwar N.L., Tyagi V.V., Municipal Solid Waste Management Strategies for Renewable Energy Options, Chapter-2.8, August 2013; Sustainable Bioenergy Production; Editor: L.wang, CRC Press, Taylor & Francis Group; ISBN: 1466505524

Articles/paper in journal(s) (Only published and accepted Articles/Papers)

Prof. R.P. Singh

1. **Rana Pratap Singh**, Sanjeev Kumar, Manish Sainger, Anurag Singh (2013). New generation eco-friendly plant nutrients for sustainable agriculture. *EnviroNews*, 19(4), 5-7.
2. Anurag Kumar Singh, Sanjeev Kumar, **Rana Pratap Singh** (2014). टिकाऊ खेती के लिये पर्यावरण हितैषी पोषक तत्व. विज्ञान गंगा 62-66 (ISSN- 2231-2455).

Dr. Richa Kothari

1. **Kothari Richa**, Pandey A.K., Kumar S., Tyagi V.V., Tyagi S.K., Different Aspects of Dry Anaerobic Digestion for Bio-energy: an Overview. *Renewable and Sustainable Energy Reviews* 39 (2014) 174-195. (ISSN:1364-0321; Impact Factor – 6.018)
2. Tyagi V.V., Pandey A.K., **Kothari Richa**, Tyagi S.K., Thermodynamics and Performance Evaluation of encapsulated PCM based energy storage system for heating application in buildings. *Journal of Thermal Analysis and Calorimetry* 2014, 15(1)915-924.
3. Pathak A., **Kothari R.**, Dastidar M.G., Shreekrishnan T.R., Kim J. Dong. Comparison of Bioleaching of Heavy metal from municipal sludge using indigenous sulphur and Iron oxidizing microorganism: continuous stir tank reactor studies. *Journal of Environmental science and Health, Part a*, 2014,49(1)93-100.
4. **Kothari Richa**, Prasad Ravindra, Kumar Virendra, Singh D. P., Production of Biodiesel from microalgae *Chlamydomonas polypyrenoideum* grown on dairy industry wastewater, *International Journal of Bioresource Technology*. 2013, 144, 499-503 (Impact Factor – 5.06).

Book Published

Dr. Richa Kothari

1. Sohini Singh, Tanu Allen, **Richa K. Tyagi**, Basic Environmental Sciences for Under Graduates. Published by Vayu Education of India, ISBN-978-83758-27-2, 2014

Review Articles in Journals

Prof. D.P. Singh

1. R.K. Gangwar, Jaspal Singh, A P Singh and D P Singh (2013) Assessment of Water Quality Index : A case study of river Ram Ganga at Bareilly, U.P., India. *Int. J. Scientific and Eng. Research*, 4 (9), 2325-2329.
2. Babita Kumari, S.N. Singh, F. Deeba, M. Sharma, V. Pandey and **D.P. Singh** (2013) Elucidation of pyrene degradation pathway in bacteria. *Advances in Bioresearch*. 4 [2] 151-160. ISSN 0976-4585.
3. N. Arun and **D.P. Singh** (2013) Differential response of *Dunaliella salina* and *Dunaliella tertiolecta* isolated from brines of Sambhar salt Lake of Rajasthan (India): A study on growth, pigment and glycerol synthesis. *J. Mar. Biol. Assoc. India*, 55(1) 65-70.

Prof. Rana Pratap Singh

1. Pandey, V.V., Singh, J.S., Singh, D.P., Singh, R.P. (2013). Metanotrophs: promising bacteria for environmental remediation. *International Journal of Environmental Science and Technology*, DOI 10.1007/s13762-013-0387-9 [Impact Factor: **ISI=1.844**].

Research papers in referred journals

Prof. D.P. Singh

1. Singh Shailza, **D.P. Singh** and Nandita Singh (2014). Effect of Arsenic Exposure on *Triticuma aestivum* L. Genotypes: Evaluation of Arsenic Accumulation in Contrasting Genotype of India. *Int. Res. Journal of Environmental Sciences* (Accepted manuscript). **IF-0, Citation Indices-0**.
2. B. Kumari, S. Rajput, P. Gaur, S.N. Singh and **D.P. Singh** (2014). Biodegradation of Pyrene and Phenanthrene by Consortium and Evaluation of Role of Surfactant. *Cell. Mol. Biol.* 60(5):21-26. **IF-1.46, Citation Indices-02**.
3. N. Vishnoi and **D.P. Singh** (2014). Biotransformation of arsenic by bacterial strains mediated by oxido-reductase enzyme system. *Cell. Mol. Biol.* 60(5):7-14. **IF-1.46, Citation Indices-01**.

4. Singh Shailza, **D.P. Singh** and Nandita Singh(2014). Arsenic Accumulation in Rice (*Oryza Sativa L.*) Genotype of India. Int. Res. Journal of Environmental Sciences 4 (02): 45-50. **IF-0, Citation Indices-0.**
5. S. Dixit and **D.P.Singh** (2014) Role of free living, immobilized and non-viable biomass of *Nostocmuscorum* in removal of heavy metals: An Impact of physiological state of biosorbent.Cell. Mol. Biol. 60(5):104-112. **IF-1.46, Citation Indices-02.**
6. Pathak, V.V., **D.P.Singh**, R. Kothari and A.K. Chopra (2014).Phycoremediation of Textile Wastewater by Unicellular Microalga *Chlorella pyrenoidosa*. Cell. Mol. Biol.60 (5): 32-36. **IF-1.46, Citation Indices-02.**
7. Arun, N. and **D P Singh** (2014) A review on Pharmacological applications of halophilic alga *Dunaliella*. Ind. J. Marine Sciences (Accepted) **IF-0.40, Citation Indices-03**
8. Arun, N.,Vidhyalaxmi and **D.P Singh** (2014). Chromium (VI) induced oxidative stress in halotolerant alga *Dunaliella salina* and *D. tertiolecta* isolated from Sambhar salt lake of Rajasthan (India).Cell. Mol. Biol.60(5):84-90. **IF-1.46, Citation Indices-03.**
9. Chandra,P. and **D.P.Singh** (2014). Removal of Cr(VI) by a halotolerant bacterium *Halomonas* sp. CSB 5 isolated from Sambhar Salt Lake Rajasthan (India). Cell. Mol. Biol. 60(5): 58-66. **IF-1.46, Citation Indices-01.**
10. Vishnoi, N.,Sonal Dixit and **D P Singh** (2014) Surface binding and Intracellular uptake of Arsenic in bacteria isolated from arsenic contaminated site. Ecological Engineering, 73: 569-578.**IF- 3.06, Citation Indices-0**
11. P. Chandra, M. Barsainya, **D. P. Singh** (2014) A Fourier Transform Infrared (FTIR) spectroscopic study on cellular changes in the *Marinococcus luteus* SSLB1 under different salinity regime. Int. J. Pharma and Bioscience, 5 (4): 848-854. **IF- 0 Citation Indices-0**
12. V C Pandey, N Singh, R P Singh, D. P. Singh (2014) Rhizoremediation potential of spontaneously grown *Typhalatifolia* on fly ash basins: Study from the field. Ecological Engineering, 71: 722-727 **IF- 3.06, Citation Indices-02**
13. N. Kumar, K. Baudh, S Kumar, N. Dwivedi, **D.P. Singh** and S C Barman (2014) Toxicity Assessment and Accumulation of metals in Radish irrigated with Battery manufacturing Industry Effluent. Int J. Vegetable Science doi: 10.1080/19315260.2014.880771) **IF- 0, Citation Indices-0**
14. V.C. Pandey, J.S. Singh, D P Singh and R P Singh (2014) Methanotrophs: Promising bacteria for Environmental Remediation. International Journal of Environmental Science and Technology 11:241-250.**IF- 1.84, Citation Indices-0**
15. Sonal Dixit and **D.P. Singh** (2014) An evaluation of phycoremediation potential of cyanobacterium *Nostoc muscorum*: J. Applied Phycology, 26, 1331-1342 (DOI: 10.1007/s10811-013-0145-x) **IF- 2.33, Citation Indices-02**
16. J.S. Singh and **D.P. Singh** (2014) Impact of Anthropogenic disturbances on methanotrophs abundance in dry tropical forest ecosystems, India Exp. Opinion on Environ. Biology. 01/2014 DOI:10.4172/2325-9655.1000106. **IF- 0, Citation Indices-0**
17. N. Kumar, K. Baudh, S Kumar, N. Dwivedi, **D.P. Singh** and S C Barman (2014) Toxicity Assessment of flash light manufacturing Industry effluent by bioassay test in Methi (*Trigonella foenumgracum*) J. Environ. Biology, 35(6), 1107-1113. **IF- 0.68, Citation Indices-0**
18. S. K. Upadhayay and **D. P. Singh** (2014) Effect of Salt tolerant-PGPRs on wheat plant and soil health under saline environment. Plant Biology, 17: 289-293 (On line, doi10.1111/plb.12173). **IF- 2.32, Citation Indices-03**
19. R.K. Gangwar, Jaspal Singh, A P Singh and **D P Singh** (2013) Assessment of Water Quality Index : A case study of river Ram Ganga at Bareilly, U.P., India. Int. J. Scientific and Eng. Research, 4 (9), 2325-2329. **IF- 0, Citation Indices-0**
20. N. Kumar, K. Baudh, S Kumar, N. Dwivedi, **D.P. Singh** and S C Barman (2013) Accumulation of metals in weed species grown on the soil contaminated with Industrial waste and their

- phytoremediation potential. *Ecological Engineering* 61, 491-495. **IF- 2.96, Citation Indices-04**
21. Richa Kothari, V Karela, Virendra Kumar and **D P Singh** (2013) Production of biodiesel from microalgae *Chlamydomonas polypyrenoideum* grown on dairy industry wastewater. *Bioresource Technology* 144 : 499-503. **IF- 4.75, Citation Indices- 05**
 22. Kumari, B., S.N. Singh, F. Deebea, M. Sharma, V. Pandey and **D.P. Singh** (2013) Elucidation of pyrene degradation pathway in bacteria. *Advances in Bioresearch*. 4 [2] 151-160. ISSN 0976-4585. **IF- 0, Citation Indices-0**
 23. Arun, N. and **D.P. Singh** (2013) Differential response of *Dunaliella salina* and *Dunaliella tertiolecta* isolated from brines of Sambhar salt Lake of Rajasthan (India): A study on growth, pigment and glycerol synthesis. *J. Mar. Biol. Assoc. India*, 55(1) 65-70. **IF- 0.35, Citation Indices-00**
 24. Sonal Dixit and **D.P. Singh** (2013) Phycoremediation of lead and cadmium by employing *Nostoc muscorum* as biosorbent and optimization of its biosorption potential. *Int. J. Phytoremed.* 15 (8), 801-813. **IF- 1.18, Citation Indices-07**
 25. Kumar N., Bauddh K., Kumar S., Dwivedi N., **Singh, D.P.** and Barman, S.C. (2013). Extractability and phytotoxicity of heavy metals present in petrochemical industry sludge. *Clean Technology and Environmental Policy*, 15 (6), 1033-1039. **IF- 1.83, Citation Indices-05**
 26. Neha Vishnoi, Sonal Dixit and **D.P. Singh** (2013) Phytotoxic effects of leachates of Industrial solid waste on the growth of Pea (*Pisum sativum* L.). *J. Environ. Biol.* 34, 651-656. **IF- 0.68, Citation Indices-0**
 27. NeetuVerma, Richa Kothari, Tanu Allen and **D.P. Singh** (2013) Assessment of lipid productivity of *Chlamydomonas polypyrenoideum* cultured in tannery industry wastewater In: *Recent Advances in Bioenergy Research Vol. II* (Eds. Sachin Kumar and S.K. Tyagi) Electronic version published by SSS-NIRE (ISBN-978-81-927097-1-0) pp 332-337
- Prof. Rana Pratap Singh**
1. Kumar, A., Tripathi, R.D., **Singh, R.P.**, Singh, P.K., Awasthi, S., Chakrabarty, D., Trivedi, P.K. (2014). Selenium ameliorates arsenic induced oxidative stress through modulation of antioxidant enzymes and thiols in rice (*Oryza sativa* L.). *Ecotoxicology* (DOI 10.1007/s10646-014-1257-z) **[Impact Factor: ISI= 2.50]**
 2. Kumar, S., Bauddh, K., Barman, S.C., **Singh, R.P.** (2014). Amendments of microbial biofertilizers and organic substances reduces requirement of urea and DAP with enhanced nutrient availability and productivity of wheat (*Triticum aestivum* L.). *Ecological Engineering*, 71, 432-437. **[Impact Factor: ISI=3.136]**
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 5. Bauddh, K. and **Singh, R.P.** (2014). Effect of organic and inorganic amendments on bioaccumulation and partitioning of Cd in *Brassica juncea* and *Ricinus communis*. *Ecological Engineering*, 74, 93-100. **[Impact Factor: ISI=3.136]**
 6. Kumar, S, Bauddh, K. Barman, S.C., **Singh, R.P.** (2014): Organic matrix entrapped biofertilizers increase growth, productivity and yield of *Triticum aestivum* L. and mobilization of NO_3^- , NO_2^- , NH_4^+ and PO_4^{3-} from soil to plant leaves. *Journal of Agricultural Science and Technology*, 16(2): 315-329 (Impact Factor: **ISI: 0.685**)
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9. Singh K., Pandey V.C., **Singh R. P.** (2013). *Cynodon dactylon*: An efficient perennial grass to revegetate sodic lands. *Ecological Engineering* 54: 32- 38 [**Impact Factor: ISI=3.136**].
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11. Kumar M., Bauddh K., **Kumar S.** Sainger M., Sainger, P.A. and **Singh R.P.**, (2013). Increase in growth, productivity and nutritional status of wheat (*Triticum aestivum* L. cv. WH-711) and enrichment in soil fertility applied with organic matrix entrapped urea. *J. Environ. Biol.* 34:1-9. [**Impact Factor: ISI=0.55**].
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14. Rawat, S.K., Singh, R.K. Bansode, F.W., Singh P. and **Singh, R.P.** (2013). Nitrate induced toxicity on some haematological parameters of Charles Foster rats. *Journal of Recent Advances in Applied Sciences (JRAAS)*, 28, 35-38.

Dr. S.K. Dwivedi

1. **Dwivedi S.K.** (2013). Effect on growth parameters of brinjal (*Solanum melongena* L.) after exposure of cement dust (with Enespa). *International Journal of Pharma and Bio Sciences*-(4(1): (B)755-759. (ISSN: 0975-6299). (I.F- 0.69)
2. **Dwivedi S.K.** (2013). *In vitro* efficacy of some fungal antagonists against *Fusarium solani* and *Fusarium oxysporum* f. sp. *lycopersici* causing brinjal and tomato wilt. *International J. of Biological and Pharmaceutical Research.* (IJBPR) (ISSN: 0976-3651) (with Enespa)- 4(1): 46-52. (I.F.- 1.34).
3. **Dwivedi S.K.** (2013). Antifungal approach of phenolic compounds against *Fusarium udum* and *Fusarium oxysporum* f. sp. *ciceri*. *African J of Agril. Res.* 8(7): 596-600 (with Ankita Shukla) (ISSN: 1991-637X). (I.F. 0.26)
4. Enespa and **Dwivedi S.K.** (2013). Effect of cement dust on growth parameters of tomato (*Lycopersicon esculentum* L.). *International J. Bio-resource and stress management.* 4(1):064-067. (NASS rating 4.46)
5. **Dwivedi S.K.** (2013). Studies on fusarial wilt pathogen of two vegetable crop fields with emphasis on physico-chemical properties. *International Journal of Agronomy and Plant Production.* 4(9):2130-2137. (with Enespa) (ISSN : 2051-1914). (I.F. 0.55)
6. **Dwivedi S.K.** (2013). Fungal succession in composite soil on staled agar disc at different staling periods. *G- Journal of Environmental Science and Technology.* 1(2): 37-42. (with Sangeeta) (ISSN: 2322: 0228). (I.F-0.321)
7. **Dwivedi S.K.** (2013). Microbial population in rhizospheric and non- rhizospheric soils of Soybean crop. *G- Journal of Environmental Science and Technology.* 1(2): 47-50. (with Ram Gopal) (ISSN: 2322: 0228). (I.F-0.321)
8. **Dwivedi S.K.** (2013). Effect of Plant Growth Promoting Rhizobacteria and P_2O_5 on Soybean (*Glycine max* L.) crop. *International Journal of Biological & Pharmaceutical Research (IJBPR).* 4(12): 1270-1276. (with Ram Gopal) (ISSN: 0976-3651) (I.F.- 1.34).

9. **Dwivedi S.K.** (2014). Evaluation of Antagonistic Potentiality of some Natural Plant Extracts against *Fusarium-oxysporum* sp. *lini*. *International Journal of Pharma and Bio Sciences (IJPBS)*. 5(1):(B)765-772. (with Sangeeta) (ISSN: 0975-6299) (I.F.- 0.69).
 10. **Dwivedi S.K.** (2014). Screening of microfungi from Soybean (*Glycine max* L.) seeds. *International Journal of Pharma and Bio Sciences (IJPBS)*. 5(1):(B)877-881. (with Ram Gopal) (ISSN: 0975-6299) (I.F.- 0.69).
 11. **Dwivedi S.K.** (2014). Effect of fungal staling growth substances of precolonized microfungi on colonization of some potential microfungi of composite soil inocula. *International Journal of Scientific and Research Publications*. 4(2): 1-12. (with Sangeeta) (ISSN: 2250-3153) (In press- Feb. 2014 issue) (I.F.- 1.3).
 12. **Dwivedi S.K.** (2014). Evaluation of heavy metals toxicity against soil-borne fusarial pathogens causing wilt in vegetable crops. *Journal of Mycopathological Research*. 53(1): (with Enespa) (ISSN: 0971-3719) (In press- April 2014 issue). (NAAS rating: 4.4).
 13. **Dwivedi S.K.** (2014). Comparative efficacy of fungicides, insecticides and herbicides against *Fusarium* spp. causing brinjal and tomato wilt. *Journal of Applied Horticulture*. (with Enespa) (ISSN: 0972-1045). (NAAS rating: 4.6) (Under review).
 14. **Dwivedi S.K.** (2014). Effectiveness of some Antagonistic fungi and botanicals against *Fusarium solani* and *Fusarium-oxysporum* sp. *lycopersici* infecting brinjal and tomato plants. *Asian Journal of Plant Pathology (USA)* DOI:10.3923/AJPPAJ. 2014. p. 1-8 (with Enespa) (ISSN: 18191541) (H Index: 3)
 15. **Dwivedi S.K.** (2014). Studies on soil fungi of wheat crop field with reference to antibiosis. *International J. Biological and Pharmaceutical Research (IJBPR)*. 5(2): 186-190. (with D.K. Agrahari) (ISSN: 2229-7480) (I.F. 1.34)
 16. **Dwivedi S.K.** (2014). *In vitro* and *in vivo* evaluation of some pesticides against *Fusarium solani*. *International J Multi-disciplinary Educational Research*. Vol 3: 2(3): 164-172. (with D.K. Agrahari) (ISSN: 2277-7881) (I.F. 2.735)
 17. **Dwivedi S.K.** (2014). Evaluation of heavy metals toxicity against soil-borne fusarial pathogens causing wilt in vegetables crops. *J Mycopath. Res* 53(1): (In press) (with Enespa).
- Dr. Shikha**
1. Sangeeta Saxena, Jyoti Verma, **Shikha**, Dinesh Raj Modi (2014) RAPD-PCR and 16S rDNA phylogenetic analysis of alkaline protease producing bacteria isolated from soil of India: Identification and detection of genetic variability, *Journal of Genetic Engineering and Biotechnology* (article in press-<http://dx.doi.org/10.1016/j.jgeb2014.03.001>).
 2. M Gupta, **Shikha**, PK Srivastava, SK Tewari (2014) Quality evaluation of vermicompost at various phases of farm waste composting and during storage, *Advances in Bioresearch* 5 (1), 65-72. [ISSN 2277-1573, **Universal Impact factor: 0.9710**]
 3. M Gupta, **Shikha**, PK Srivastava, SK Tewari (2014) Prospects of sodic soil amelioration for increased crop production in India, *Advances in Bioresearch* 5 (1), 160-162. [ISSN 2277-1573, **Universal Impact factor: 0.9710**]
 4. M Gupta, PK Srivastava, **Shikha**, SK Tewari (2014) The role of bioameliorants in sodic soil reclamation, *IJSR Spl. Ed & NCWPCEB*, 52-56. [ISSN 0976-2876 (print), **Universal Impact Factor: 1. 4053**]
 5. Jyoti Verma, Sangeeta Saxena, **Shikha** (2013) 16S rDNA Based Identification of Alkaline Protease Producing Alkaliphilic Bacillus Sp Isolated From Dairy Industry Soil And Evaluation of the Enzyme Potential In Detergent Formulation, *Res. J of Pharmaceutical, Biological and Chemical Sciences*, 4(4), 1339-1349. (ISSN 0975-8585, **Impact factor Thomas Reuters JCR-ISI 0. 35**)
 6. Jyoti Verma, **Shikha**, Dinesh Raj Modi and Sangeeta Saxena (2013) Characterization of novel alkaline protease producing Streptomyces from alkaline soil of Lucknow, (U.P.), India, *International Journal of Pharma and Bio Sciences*, 4(2): (B) 214-224 [ISSN: 0975-6299; **Thomas Reuters -JCR-ISI Impact factor: 0.47**]

Dr. Narendra Kumar

1. Narendra Kumar, Sanjeev Kumar, Kuldeep Baudh, Neetu Dwivedi, D.P.Singh and S.C.Barman (2014). Toxicity assessment of flash light manufacturing industry effluent by bioassay test in methi (*Trigonella foenumgracum*). *J. Env. Biol.* 35(6), 1107-1113. (Impact Factor- 0.55)
2. Narendra Kumar, Sanjeev Kumar, Kuldeep Baudh, Neetu Dwivedi, Preeti Shukla, D.P.Singh and S.C.Barman, (2014). Toxicity assessment and accumulation of metals in Radish irrigated with battery manufacturing industry effluent. *Int. J. of Veg. Sc.* (Accepted-DOI: 10.1080/19315260.2014. 880771).
3. Narendra Kumar, Kuldeep Baudh, Sanjeev Kumar, Neetu Dwivedi, D.P.Singh and S.C.Barman, (2013). Accumulation of metals in weed species grown on the soil contaminated with industrial waste and their phytore-mediation potential. *Ecol. Eng.* 61, 491-495 (Impact Factor- 3.479)
4. Narendra Kumar, Kuldeep Baudh, Sanjeev Kumar, Neetu Dwivedi, D.P.Singh and S.C.Barman, (2013). Extractability and phytotoxicity of heavy metals present in petrochemical industry sludge. *Clean Techn Environ policy* 15 (6), 1033-1039 (Impact Factor- 1.671)

Dr. Venkatesh Dutta

1. Dutta, V. And Kumar, S. (2013) Assessment of peri-urban interface of Lucknow region with special reference to land use change and environmental vulnerability, *Climate*

Change and Environmental Sustainability, 1(2): 159 - 173.

2. Kumar, S., Dutta, V., and Jain, S. (2014) Locating the Livelihood Problems for the Promotion of Sustainable Life in Slums of Dehradun, Utrakhand, India using Ikonos High Resolution Satellite Image, *IOSR Journal of Environmental Science, Toxicology And Food Technology*, 8(1): 31 - 36.

Dr. Richa Kothari

1. Tyagi V.V., Pandey A.K., **Kothari Richa**, Tyagi S.K., Thermodynamics and Performance Evaluation of encapsulated PCM based energy storage system for heating application in buildings. *Journal of Thermal Analysis and Calorimetry.* 2014, 15(1)915-924. (Impact Factor: 1.982; Citation: 0).
2. Pathak A., **Kothari R.**, Dastidar M.G., Shreekrishnan T.R., Kim J. Dong. Comparison of Bioleaching of Heavy metal from municipal sludge using indigenous sulphur and Iron oxidizing microorganism: continuous stir tank reactor studies. *Journal of Environmental science and Health, Part a*, 2014, 49 (1)93-100. (ISSN: 1093-4529, Impact Factor: 0.83; Citation: 0).
3. **Kothari Richa**, Prasad Ravindra, Kumar Virendra, Singh D. P., Production of Biodiesel from microalgae *Chlamydomonas polypyrenoideum* grown on dairy industry wastewater, *International Journal of Bioresource Technology.* 2013, 144, 499-503. (ISSN: 0960-8524, Impact Factor: 4.98; Citation: 04).

S. No.	Title of Lecture	Title of conference/seminar	Organized by	Date
1.	Invited lecture	DST, Inspire programmes	Vishva bharti University and DST, New Delhi	January 13-17, 2014
2.	Invited lecture	Refresher course in Life Science (Interdisciplinary)	Banaras Hindu University, Varanasi, U.P.	Nov. 22, 2014
3.	Invited lecture	Refresher course	D.D.U. Gorakhpur , U.P.	January 29, 2014
4.	Delivered lecture	National Workshop on Genomics in Crop Improvement	M.D. University Rohtak, Hariyana.	Feb. 26-28, 2014

Dr. Venkatesh Dutta

1. "Ecological basis of River Restoration – Case of Gomti River Basin", National Workshop on River Restoration & Ecosystem Management on World Water Day 2014, March 22, 2014.
2. "Assessment of Inter-basin Water Transfer and Groundwater Recharge in the Gomti River Sub-Basin of the Ganga Alluvial Plain: Ecosystem Approaches towards Basin-wide Water Conservation", CGWB Workshop on Water Conservation, Central Ground Water Board, March 24, 2014.
3. "Disaster Management: Towards building a National Response System" organized by The Institution of Engineers India, UP Chapter, Lucknow, March 8, 2014.
4. Technology Choice, Innovations and Sustainability: Decentralised Wastewater Management for Urban and Peri-urban Areas, Prof. Ruchi Ram Sahni Symposium, 101 Indian Science Congress, University of Jammu, Jammu, 5 February, 2014.
5. "Water and Sanitation Infrastructure for Sustainable Cities: Understanding Social and Economic Externalities", Workshop on Right to Water and Sanitation, Lucknow, Society for Promoting Participative Ecosystem Management (SOPPECOM), 13 -14th February, 2014.
6. "A simple Model of Waste Management that can be adopted for communities in Uttarakhand", Workshop on Waste Management, Clean Himalaya Society, Rishikesh, February 26, 2014.
7. "India's climate policy and barriers to low-carbon inclusive growth: a case study", SPEEDS 2013, All India Seminar on Sources of Planet Energy, Environmental Disaster Science: Challenges and Strategies, SMS Lucknow, September 7-8, 2013.
8. "River systems and sustainability: how to integrate social equity and economic efficiency?", Symposium on Building an Ecologically Sustainable Society, BBAU, Lucknow, August 16, 2013.
9. 'Sustainable Water and Sanitation: Best management Practices' CSE NURM Regional Workshop, supported by the Ministry of Urban Development, Govt. of India under the Comprehensive Capacity Building Programme (CCBP) - National Urban Renewal Mission (NURM), Centre for Science & Environment, Lucknow, May 1, 2013.

Research Project/Consultancy (Completed/Ongoing/Sanctioned/Submitted)**Prof. Rana Pratap Singh**

Title of the Project	Name of the Funding agency	Duration	Amount (Rs.)
DST policy research centre- Policy research for sustainable agriculture (associated as Co-PI with Honorable VC)	DST, New Delhi (ongoing)	5 years	Rs. 1,00,00,000.00
Entrapment of biofertilizers in an organic matrix efficacy for wheat productivity	UP-CST, Lucknow	8-12-11 to 07-12-2013 (completed)	Rs. 5,04,000.00
Nutrient leaching and nitrogen use efficiency in wheat (<i>Triticum aestivum</i> L.) on application of conventional chemical fertilizers, biofertilizers and organic matrix entrapped granular fertilizers at different irrigation levels	UGC, New Delhi	Submitted in 2013	Rs.11,92,000.00
Engineering aquatic eco-systems with low cost and eco-friendly water decontaminating techniques in river gomti and potable water channel of Gau Ghat using phyto filters , floating beds and phytoremediation patches of aquatic macrophytes	UP-CST, Lucknow	Submitted in 2013	Rs. 14,64,000.00

Dr. Narendra Kumar

Title of the Project	Name of the Funding agency	Duration	PI/Amount (Rs.)
'Impact assessment of dissolved metals in ground water on health and water quality in the industrial, agricultural, and urban areas of Kanpur, Uttar Pradesh'	UGC, New Delhi	2 years	PI: Dr. Narendra Kumar 7.29 Lacs

Dr. Venkatesh Dutta

Title of the Project	Name of the Funding agency	Duration	PI/Amount (Rs.)
Study of policies and mechanisms that could facilitate delivery of STI outputs to diverse stakeholders including innovation for social inclusion with special reference to water, DST Centre for Policy Research- (associated as Co-PI with Honorable VC)	DST, New Delhi (ongoing)	5 years	Rs. 64,32,000/- (for 2013-14)
Preparation of 5 years Action Plan for Artificial Recharge Activities and Water Conservation Schemes in Critical Block Bheetargaon of Kanpur Nagar (Ongoing)	Groundwater Department, Kanpur Division, Govt. of Uttar Pradesh	1 year	Rs. 90,200

Membership in various government and other bodies (out of BBAU)

Prof. D.P. Singh

1. Selection committee, central university of Gujarat.
2. Board of studies, central university of Bihar, Patna.
3. Board of studies, department of Environmental science, Mizoram University, Aizwal.
4. Academic council, VBS Purvanchal University, Jaunpur, U.P.
5. Board of studies department of microbiology, RML, Awadh University, Faizabad.
6. Department of Rural technology, Gurughasi Das central university, Bilaspur.
7. Board of studies, Department of microbiology, Aligarh Muslim University, Aligarh.
8. Board of studies, Department of Biotechnology, University of Allahabad.
9. Paper setter for UGC NET, Environmental Science 2014
10. Board of studies, Department of

Biotechnology , University of Allahabad

Subject Expert:

1. Subject expert in the selection Committee for appointment of Professor, Assoc. and Asstt. professor in Gujarat Central University, Ahmedabad (15-16 July, 2013)
2. Expert for the selection of Environmental Consultant for Ministry of Health, Govt of U.P., conducted by IIM, Lucknow (U.P.) 26-07-2013.
3. Expert in selection of Technical positions at NBRI (CSIR), Lucknow. 04-12-2013
4. Expert in the selection of Research officer in NBFGR (ICAR institute), Lucknow-2014
5. Expert speaker in a workshop Organized by National Institute of Disaster Management, New Delhi (28 Jan., 2014)
6. Subject Expert in Board of P.G. studies in Jiwaji University, Gwalior, Mizoram University, Aizwal, Central University of Bihar, Patna, Vikram University, Ujjain-2013-16, Bundelkhand University, Jhansi, Mizoram University, Aizwal.
7. Expert for appointment of Professor in Agriculture Microbiology of Aligarh Muslim University(2-06-2014)

Prof. Rana Pratap Singh

1. Member in research Degree Committee in D.A. University, Indore, M.P.
2. Member B.O.S. of Environmental Studies in Dr. R.M. L. University, Faizabad

Dr. Narendra Kumar

1. Life member, International Society of Environmental Botanist, NBRI, Rana Pratap Marg Lucknow.

Papers presented in seminar/conferences/Workshops etc**Prof. D.P. Singh**

1. 22-23 April, 2013, National Conference on Current Trends in Computational Methods in Science & Engineering (CTCM-2013), organized by Jiwaji University, Gwalior.
2. 3-5 Feb, 2013, National Seminar, Environmental Issues and Challenges in the 21st Century (EICC-2013) Department of Environmental Science, Bareilly.
3. 5 June, 2013 National Seminar Environment Education & Society, BBAU, Lucknow.
4. 18 March, 2013 Workshop "Placement and employment prospects in Indian Patent Offices and Hands on training for patenting the research work. BBAU, Lucknow

Prof. Rana Pratap Singh

S. No.	Title of conference/seminar Attended	Organized by	Date
1.	Symposium on Building in Ecologically Sustainable Society	BBA University, Lucknow; IASS, Allahabad; PHSSFSS, Lucknow; ASDS, Lucknow and SES, Lucknow	Aug. 16, 2013
2.	Syscon - 2014	Society of Young Scientist (SYS), AIIMS, New Delhi	Aug. 23, 2013
3.	National Conference on Biodiversity and Conservation of Medicinal Plant	SMP, Delhi & MGPGC, Gorakhpur	Aug. 24-25, 2013
4.	National Seminar on Uttarakhand Disaster.	Sri dev Suman Uttarakhand University, Badsahithaul, Tehri, Gardhwal.	Oct. 25-27, 2013
5.	101 Indian Science Congress	University of Jammu, Jammu	Feb. 3-7, 2014
6.	National Conference on Environmental Constrains Conservation and Resource Development of Medicinal Plants	Doon University, Dehradun, Uttarakhand	March 21-23, 2014
7.	xxxvi Annual Conference of Botanical Society	D.D.U. Gorakhpur University	Oct. 18-20, 2014

5. 17-20 November, 2013, 54th annual conference of association of microbio-logists of India (AMI) organized by Maharshi Dayanand University, Rohtak, Haryana India.
6. 17-20 November, 2013 International Symposium "Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance (FDMIR-2013) MD University, Rohtak.
7. 30-31 October, 2014, International Symposium "Biodiversity: Status, Utilization and Impact of Challenging Climate Conditions" BBAU, Lucknow
8. 16-17 January, 2015 International Workshop "Bridging Development Divide for Inclusive Growth Through Science, Technology and Innovation" BBAU, Lucknow.

Dr. S.K. Dwivedi

1. **Dwivedi, S.K.** Shipra Chandra and Sangeeta (2013). Removal of heavy metals by using soil-borne fungi. National Seminar on "Environmental Issues and Challenges in the 21st Century" (EICC-2013). held at Bareilly, U.P. p-45.
2. Enespa and **Dwivedi, S.K.** (2013). *In vitro* efficacy of some fungal antagonists against *Fusarium solani* and *Fusarium oxysporum* f.sp. *lycopersici*. First International Conference on Bio-Resource & Stress Management (6th-9th

- Feb. 2013). held at Kolkata. Ms no. 25, p- 5.16.
3. Ram Gopal, Dubey S.K., **Dwivedi, S.K.**, Tripathi, V.N. & Sangeeta (2013). Effect of different strains on nodulation, nutrients contents and their uptake in Pea crop. First International Conference on Bio-Resource & Stress Management (6th-9th Feb. 2013). held at Kolkata. Ms. no. 480d, p- 5.35.
 4. **Dwivedi, S.K.** and Ram Gopal . (2013) Effect of plant growth promoting microorganisms on leguminous crops National Seminar on Biodiversity to be held at Jhansi (March 2013) p 71
 5. **Dwivedi, S.K.** Rashmi Raghav and Sangeeta (2013) Diversity of soil fungi in Rhizospheric and Non-rhizospheric soil of *Cajanus cajan* field. *Ibid* p 74
 6. **Dwivedi, S.K.** and Sangeeta (2013) *In vivo* evaluation of biocontrol potential of *Aspergillus luchuensis* and *Penicillium citrinum* against *Fusarium oxysporum* f.sp. *ciceri*. *Ibid* p 74
 7. **Dwivedi, S.K.** Shipra Chandra and Sangeeta (2013) Effect of heavy metal pollution on microfungal community in soil. *Ibid* p 73
 8. **Dwivedi, S.K.** and Upma Yadav (2013) Screening of fungal species from wilt affected brinjal (*Solanum melongena*) plant. *Ibid* p 72
 9. **Dwivedi, S.K.** and Neetu Dwivedi (2013). Effectiveness of some plant extracts, essential oil and fungal antagonists against *Fusarium oxysporum*, wilt pathogen of guava (*Psidium guajava* L.). *Ibid* p 87
 10. **Dwivedi, S.K.** and Sangeeta (2013). Antagonistic Potentiality of *Aspergillus luchuensis* and *Penicillium citrinum* against *Fusarium* wilt of Linseed (*Linum usitatissimum*). LUSCON-2013 held at BBAU, Lucknow. p 77-78.
 11. **Dwivedi, S.K.**, Neetu Dwivedi and Upma Yadav (2013). *In vitro* studies on combined effect of some fungal antagonists and plant extract against *Fusarium solani* causing guava wilt. *Ibid* p 16.
 12. **Dwivedi, S.K.**, Shipra Chandra and Sangeeta (2013). Removal of heavy metals by using soil-borne Fungi. Environmental issues and challenges in the 21st century (EICC-2013) held at Bareilly (February, 2013) p 45-46.
 13. **Dwivedi S.K.** and Sangeeta (2014). Fungal Growth on staled growth substances of precolonized fungal colonies after different staling periods. 101st ISCA, section XIV, p. 193.
 14. **Dwivedi S.K.** and Ram Gopal (2014). Seed germination of soybean crop with reference to *Rhizobium*. 101st ISCA, section XIV. p. 202.
 15. **Dwivedi S.K.**, Namita Gupta and Upreti D.K. (2014). Air quality assessment by lichens in and around Panki thermal power plant, Kanpur (U.P.). International Conference on Environmental Technology and sustainable Development: challenges and remedies (ET&SD) Feb 2014. p. 3.
 16. Mishra Ambuj and **Dwivedi S.K.** (2014). Analysis of accumulation strength and tolerance of *Pongamia pinnata* against heavy metals Cd, Cu and Fe on contaminated soil. International Conference on Environmental Technology and sustainable Development: challenges and remedies (ET&SD) Feb 2014. p. 84.
 17. **Dwivedi S.K.** and Enespa (2014). Toxicity of some fungal antagonists and botanicals against *Fusarium solani* and *Fusarium oxysporum* f.sp. *lycopersici* infecting brinjal and tomato plants. International Conference on Environmental Technology and sustainable Development: challenges and remedies (ET&SD) Feb 2014. p. 100.
 18. **Dwivedi S.K.** and Sangeeta (2014). Histopathological study on *Fusarium oxysporum* f.sp. *ciceri* in chickpea (*Cicer arietinum* L.). International Conference on Environmental Technology and sustainable Development: challenges and remedies (ET&SD) Feb 2014. p. 109.
 19. **Dwivedi S.K.** and Ram Gopal (2014). Effect of pH on growth of *Rhizobium leguminosarum* isolated from soybean crop (*Glycine max* L.) International Conference on Environmental Technology and sustainable Development: challenges and remedies (ET&SD) Feb 2014. p. 109.
 20. **Dwivedi S.K.** and Dwivedi Neetu (2014). Potential of microbial antagonists as biocontrol agents against *Fusarium* wilt of Guava (*Psidium guajava*). International Conference on Environmental Technology

and sustainable Development: challenges and remedies (ET&SD) Feb 2014. p. 115.

21. **Dwivedi S.K.**, Gupta Namita and Upreti D.K. (2014). Sensitivity of lichens a tool to biomonitor air quality in the vicinity of a coal based thermal power plant of Uttar Pradesh, India. National workshop on innovation and technology Transfer to industries: Role of Universities. (ITTI-2014) p.

Mr. N.K.S. More

1. XXIII Annual Conference of IAAT and National Seminar on Recent Advances in Plant Taxonomy Research organized by Dept of Botany, RTM Nagpur University, Nagpur, India. from 27-29th Dec. 2013
2. Commission for Scientific and Technical Terminology Workshop on 14-15th Jan 2014 held at B B A University, Lucknow-226025. UP, India.
3. National Seminar on Environmental Pollution: Problems and Perspectives on 19-20th Jan 2014 organized by Dept of Law, B BA University, Lucknow-226025, UP, India.
4. International Conference on Global Opportunities for latest Developments in Chemistry and Technology held on 6-8th Feb 2014, organized by School of Chemical Science, North Maharashtra University, Jalgaon (MS). India.
5. International Conference on Environmental Technologies and Sustainable Development held on 21-23rd Feb 2014, organized by Dept of Environmental Science, B B A University, Lucknow-226025. UP, India.

6. Workshop on Mainstreaming Climate Change Adaptation & Disaster Risk Reduction on 7th March 2014, organized by Dept of Environmental Science, B B A University, Lucknow-226025. UP, India.
7. National Workshop on Innovation and Technology Transfer to Industries: Role of Universities on 10-11th March 2014 organized by Centre for Industry institute partnership Program, B B A University, Lucknow-226025. UP, India.
8. National Seminar on Innovations in Science and Technology for Inclusive development held on 25-26th March, 2014 organized by Dept of Zoology, Dr B A M University, Aurangabad, (MS), India.
9. 2nd Lucknow Science Congress held on 27-28th March 2014 organized by B BA University, Lucknow-226025
10. XXIII Annual Conference of IAAT and National Seminar on Recent Advances in Plant Taxonomy Research organized by Dept of Botany, RTM Nagpur University, Nagpur, India. from 27-29th Dec. 2013
11. International Conference on Global Opportunities for latest Developments in Chemistry and Technology held on 6-8th Feb 2014, organized by School of Chemical Science, North Maharashtra University, Jalgaon (MS). India.
12. National Seminar on Innovations in Science and Technology for Inclusive development held on 25-26th March, 2014 organized by Dept of Zoology, Dr B A M University, Aurangabad, (MS), India.

Dr. Shikha

S. No.	Titled of Paper presented	Titles of conferences/ seminar	Organized by	Whether international /national/state/region/college or university level
1.	Hazardous metal and mineral pollution in India	Environmental pollution: Problems and perspectives	Department of Law, School of Legal Studies. 19 th -20 th Jan. 2014	National
2.	Food enzymes: Consumer and occupational safety at risk	Scientific and Technological Advancements: Social Issues and health concerns	School of Home Science, B. B. A. University, Lko 18 th -19 th Feb. 2014	International
3.	Laccase mediated degradation of polycyclic aromatic hydrocarbons	Environmental Technology and Sustainable development: Challenges and remedies	Department of Environmental Science, B. B. A. University, Lko. 21 st -23 rd Feb., 2014	International
4.	Participated	Workshop on Mainstreaming Climate Change adaptation & Disaster Risk Reduction	Department of Environmental Science, B. B. A. University, Lko. 7 th March, 2014	Regional state level

Dr. Narendra Kumar

1. Heavy metal Estimation in some Indian medicinal plants material in the conference on Environmental Constraints, Conservation and Resource Development of medicinal plants for health and societal benefits organized by School of Environment and Natural Resources, Doon University, Dehradun during 21st-23rd March, 2014
2. Practical Approach towards sustainable Development in international conference on Environmental Technology and Sustainable Development: Challenges & Remedies organized by Department of Environmental Science B. B. A. University, Lucknow during 21st-23rd Feb 2014.
3. Ground water Contamination due to fluoride in periurban areas of Lucknow in the conference on Scientific and Technological Advancements: Social Issues and Health Concerns Organized by School of Home Science, B. B. A. University, Lucknow during 18th-19th Feb, 2014.
4. Ground water Quality Evaluation at suburban areas of Lucknow in the conference on Environmental Pollution: Problem and Perspectives organized by Department of Law School for Legal Studies, B. B. A. University, Lucknow during 19th-20th Jan. 2014
5. Applicability of Mathematical models in the field of Environmental Sciences in the conference on Mathematical Modelling and Numerical Simulation organized by Department of Applied Mathematics, B. B. A. University, Lucknow during 01st-03rd Jan 2013
6. Disaster Management Perspective in the conference on Uttarakhand Disaster: Contemporary Issues of Climate Change and Development with holistic approach organized by Sri Dev Suman Uttarakhand University, Badshahithaul, Tehri Garhwal, Uttarakhand during 25th -27th Oct 2013.

Session chaired at Seminar/Conference/Workshop etc.

Prof. D.P. Singh

1. Seminar on “*Environment, Education and Society*” was organized on 05th June, 2013.
2. Organized an “*International Conference on Environmental Technology And Sustainable Development : Challenges and Remedies*” held during 21-23rd Feb., 2014`
3. Organized seminar on National Science Day on 28th Feb., 2014 to Commemorate the contribution of Dr. C. V. Raman Organized a Workshop on “*Streamlining Climate Change Adaptation and Disaster Risk Reduction*” on 7th March, 2014 in collaboration with NIDMA, New Delhi and GEAG, Gorakhpur.
4. Organized SERC-WOS meet of DST, Ministry of Science and technology between 22-24 May, 2014
5. Organized one day seminar on *Water Resource Conservation* on the occasion of ‘World Environment Day’ 5th June, 2014

Prof. Rana Pratap Singh

S. No.	Title of conference/ seminar (Session) Chaired	Organized by	Date
1	International conference on Mitigating Climate Change	RML National law University, Lucknow	March 3, 2014

Dr. Venkatesh Dutta

1. “National workshop on Innovations and Technology Transfer to Industries: Role of Universities”, Centre for Industry Institute Partnership Program (CIIPP), Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, 10th and 11th March, 2014.
2. “Valuation River Ecosystem Services: Methods, approaches & their applicability”, All India Workshop on Water Conservation, Lucknow, Indian Water Resources Society, IIT Roorkee, WWF & Deptt. of Irrigation, UP., July 20, 2014.

II. DEPARTMENT OF ENVIRONMENTAL MICROBIOLOGY

The Department of Environmental Microbiology (DEM) under School for Environmental Sciences (SES) is running two years full time, M.Sc. Environmental Microbiology. Initially, it was started as Innovative Project for M.Sc. Environmental Microbiology under Environmental Sciences from the Session 2007-2008. Department was sanctioned as independent department by UGC-2010 under School for Environmental Sciences. The Department also offers Ph.D. Degree in Environmental Microbiology. Apart from this there are three PG courses under Innovative and Contemporary programmerunning in the Department in self-finance scheme. These courses are M.Sc. in Industrial Microbiology, M.Sc. in Food Microbiology and Toxicology and M.Sc. in Nanoscience and Nanotechnology. There are one Professor, two Associate Professors and three Assistant Professors in the department with diverse fields of specializations namely Microbial Ecology, Bioremediation and Metagenomics, Rhizosphere Microbiology, Plant Growth Promoting Microbes, Biopesticides, Stress Physiology and General Microbiology. The department has well equipped M.Sc.Laboratory and developing state of the art research laboratories.

Sustainability of environment is important for the survival of the living creatures on the planet. Microorganisms play several and vital roles in the environment which maintain the sustainability of the ecosystems. Due to ever increasing population and industrialization there is ever increasing pressure on the natural

resources. Microorganisms can provide answers to several questions and problems such as environmental pollution, removal of toxic and recalcitrant compounds, food security, can lead to sustainable agriculture by acting as biofertilizers and biopesticides, removal of wastes and bioremediation of ecosystems. The focus of the Department is to combat the diverse problems of the environment as microbes can provide the solutions to several of them. The emphasis of research in the Department is on utilizing microbes for enhancing crop yields in ecofriendly manner, biodegradation of industrial wastes, bioremediation of polluted ecosystems, optimization of technology for detoxification of distillery and pulp paper mill waste and microbe based foods for food security. The Department has research grants from DST, DBT, CSIR, UGC and CST. The department is also included in the FIST programme of Department of Science and Technology, Governemnt of India, New Delhi at Level 1 and a grant of Rs 40 lakhs has been sanctioned under the scheme. In future the Department vows to create excellence in the field of bioremediation of natural resources which is one of the target area of research. Students in the Department are trained for all the modern techniques in microbiology and biotechnology. Regular seminars are organized in the department during weekend in which students give presentation on their assigned topics related with topics in environmental microbiology. The students of final semester also have to carry out dissertation work in which they get to know about how to pursue minor research projects.

A. Faculty Details

S.N.	Name of the faculty	Designation	Qualification	Area of specialization
1.	Prof. Ram Chandra	Professor	M.Sc., Ph.D.	Bioremediation and Metagenomics, Industrial Waste Contamination
2.	Dr. Naveen Kumar Arora	Associate Professor & Coordinator	M.Sc., Ph.D.	Environment and Agricultural Microbiology
3.	Dr. Rajesh Kumar	Associate Professor	M.Sc., Ph.D.	Immunosensors and Rhizosphere Microbiology
4.	Dr. V S Baghel	Assistant Professor	M.Sc., Ph.D.	Environmental Microbiology Biotechnology/ Toxicology
5.	Dr. Jay Shankar Singh	Assistant Professor	M.Sc., Ph.D.	Microbial Ecology and Environmental Microbiology
6.	Dr. R N Bharagava	Assistant Professor	M.Sc., Ph.D.	Bioremediation, Metagenomics, Rhizosphere Microbiology

B. Academic activities of the faculty

B.1 Books Published

1. **Arora NK.** (2013). Plant Microbe Symbiosis: Fundamentals and Advances, Springer. ISBN 978-81-322-1286-7
2. **Arora NK** (2013). Splendid Wilds..... safari through Corbett. Shree Publisher, New Delhi, ISBN: 978-81-8329-507-9
3. **Arora NK.** (2014). Plant Microbe Symbiosis: Applied Facets, Springer. ISBN 978-81-322-2067-1
4. **Ram Chandra** and Sangeeta Yadav (2014). Distillery Wastewater Pollution and Bioremediation. *Publisher:* CBS Publishers and Distributors Pvt Ltd, New Delhi, India (In Press)
5. **Ram Chandra** (2014) Advances in Biodegradation and Bioremediation of Industrial Waste. CRC Press, Taylor & Francis Group, USA

B.2 Book Chapters Published

1. Mishra J, Tewari S, Singh S, **Arora NK** (2014) Biopesticides: Where we stand? In Plant Microbe Symbiosis: Applied Facets (Ed. Arora N K), Springer Publication, Netherland. ISBN 978-81-322-2067-1 (In Press).
2. Tewari S, **Arora NK** (2013) Transactions amongst microorganisms and plant in the composite rhizosphere habitat. In Plant Microbe Symbiosis: Fundamentals and advances (Eds. Arora N K), Springer Publication, Netherland pp 1-50.
3. **Arora NK**, Tewari S, Singh R. (2013). Multifaceted plant associated microbes and their mechanisms diminish the concept of direct and indirect PGPRs. In Plant Microbe Symbiosis (Eds. Arora N K), Springer Publication, Netherland pp 411-449.
4. **Jay Shankar Singh**, R. K. Gupta (2013). Extremophilic Bacteria and Microbial Biodiversity. In: Phytodiversity: Protection and Conservation. (Eds. Kumar, M and Gupta, R.K.), I.K. International Publishing House Pvt. Ltd. New Delhi (India) pp.108-122.

B.3 Communicated Book Chapters

1. **Ram Chandra**, Gaurav Saxena, Vineet Kumar (2014). Phytoremediation of

environmental pollutants: An eco-sustainable green technology to environmental management. In: Advances in Biodegradation and Bioremediation of Industrial Waste (Ed. Ram Chandra). Taylor and Francis, USA.

2. **Ram Chandra**, Vineet Kumar (2014). Mechanism of Wetland Plant and Rhizosphere Bacteria for Bioremediation of Pollutants in Aquatic Ecosystem. In: Advances in Biodegradation and Bioremediation of Industrial Waste (Ed. Ram Chandra), Taylor and Francis, USA.
3. **Ram Naresh Bharagava**, Gaurav Saxena (2014) Persistent organic pollutants and bacterial communities present during the treatment of tannery wastewater. Advances in Biodegradation and Bioremediation of Industrial Waste. CRC Press, Taylor & Francis Group, USA

B.4 Research Papers Published

1. Tewari S, **Arora NK** (2014) Multifunctional exopolysaccharides from *Pseudomonas aeruginosa* PF23 involved in plant growth stimulation, biocontrol and stress amelioration in sunflower under stress conditions. **Current Microbiology** 69(4), 484-494.
2. Khare E, Chopra J, **Arora NK** (2014) Screening for MCL-PHA-Producing Fluorescent *Pseudomonads* and Comparison of MCL-PHA Production Under Iso-osmotic Conditions Induced by PEG and NaCl. **Current Microbiology** 68: 4, pp 457-462
3. Singh S, Gupta G, Khare E, Behal K K, **Arora NK** (2014) Effect of enrichment material on the shelf life and field efficiency of bioformulation of *Rhizobium* sp. And P-solubilizing *Pseudomonas fluorescens*. **Science Research Reporter** 4(1), 44-50.
4. Tewari S, **Arora NK** (2014) Plant growth promoting rhizobacteria for ameliorating abiotic stresses triggered due to climatic variability. **Climate Change Environ Sustain** 1 (2) 95-103.
5. Singh R, **Arora NK**, Gautam P, Lal S (2013) Enhancement of plant growth of *Trigonella foenum-graecum* by coinoculation of fluorescent *Pseudomonas* and *Rhizobium* for the sustainability of agriculture. **Asian J Plant Sci and Res** 3(3):74-79.

6. **Arora NK**, Tewari S., Singh S (2013) Analysis of water quality parameters of river Ganga during Maha Kumbha, Haridwar, India. *Journal of Environmental Biology*, 34, 799-803.
7. Sangeeta Yadav, **Ram Chandra** (2013). Effect of pH on melanoidin extraction from post methanated distillery effluent (PMDE) and its decolorization by potential bacterial consortium. *International J. of Recent Scientific Research* 04(10): 1492-1496.
8. B T Odumosu, B A Adeniyi, **R Chandra** (2013). Analysis of integrons and associated gene cassettes in clinical isolates of multidrug resistant *Pseudomonas aeruginosa* from Southwest Nigeria. *Annals of Clinical Microbiology and Antimicrobials* 12:29.
9. **R Chandra**, S. Chaudhary (2013). Persistent organic pollutants in environment and their health hazards. *International J of Bioassays* 02 (09): 1232-1238.
10. C. Singh, J S Singh, V Kumar, **R Chandra**, N Kumar (2013). Screening out of coliform bacteria from different location of Gomti River in Lucknow African J of Microbiology Research 7 (29): 3762-3771
11. **Rajesh Kumar**, Amar Jyoti Das (2014). Climate change and its impact on land degradation: imperative need to focus. *J Climatol Weather Forecasting* 2:108.
12. **Kumar R**, Das AJ, Juwarkar AA (2014) Restoration of Petrol Contaminated Soil by PGPR Consortium Producing Rhamnolipids and Enhancement of Growth and Antioxidant activity of *Withania somnifera*. *J Pet Environ Biotechnol* S5:001.
13. Sadhna Sagar, **Rajesh Kumar** (2014). Role of SOS response in bacterial drug resistance. *Int J Pharm. Sci. Rev. Res.* 25 (1): 102-105.
14. **Rajesh Kumar**, RN Bharagava, Manish Kumar, Sanjeev K. Singh and Govind K (2013). Enhanced biodegradation of mobil oil hydrocarbons by biosurfactant producing bacterial consortium in wheat and mustard rhizosphere. *Petroleum and Environmental Biotechnology* 4(5).
15. Sneha Navin, Amar Jyoti Das, Chayya Verma, Manoj Kumar, **Rajesh Kumar** (2013). Arsenic in the environment effectuates human health: an imperative need to focus. *International Research Journal of Environmental Sciences* 2(11): 101-105.
16. Das Amar Jyoti, Athar Mohammad, Kumar Manoj, **Kumar Rajesh** (2013). FTIR analysis for screening variation in antimicrobial activity of fresh and dried leaf extract of *Rhynchosstylis retusa*: a threatened orchid species of Assam, India. *International Research Journal of Pharmacy* 4(7): 187-189.
17. VC Pandey, **JS Singh**, DP Singh, RP Singh (2014). Methanotrophs: promising bacteria for environmental remediation. *International Journal of Environmental Science & Technology* 11: 241-250.
18. **Jay Shankar Singh**, D.P. Singh (2013). Impact of anthropogenic disturbances on methanotrophs population in dry tropical forest ecosystems, India". *Expert Opinion on Environmental Biology* 2:3.
19. Ram Chandra, **Ram Naresh Bharagava** (2013) Bacterial degradation of synthetic and kraft lignin by axenic and mixed culture and their metabolic products. *J. Environ. Biology*. 34 (3)

B.5 Research Papers Communicated

1. **Arora NK** (2014) Talc based EPS formulation enhancing growth and production of *Helianthus annuus* crop under saline conditions. Communicated in 'Cell and Mol Biol.'
2. **Arora NK**, Khare, E (2014) *Pseudomonas tropicalis*: A Novel Stress Tolerant Plant Growth Promotory Bacteria. Communicated in 'Int. J. Syst. Evol. Microbiol.'
3. **Rajesh Kumar**, Amar Jyoti Das (2014). Scenario of Intellectual Property Rights on microorganisms and Microbiological research: An imperative need to amend. *Int J Intellect Prop Managt*
4. Veena Sagar, **Jay Shankar Singh**, DP Singh (2014) Impact of environmental conditions on lindane degradation efficiency of *Bacillus* strains isolated from lindane contaminated sites. *Cell Mol Biol*.
5. **Ram Naresh Bharagava**, Sangeeta Yadav, Ram Chandra. Antibiotic and heavy metal resistance properties of bacteria isolated from the aeration lagoons of common effluent treatment plant (CETP) of tannery industries (Unnao), India. *Ind J Biotechnol*

6. Gaurev Saxena, **Ram Naresh Bharagava**, Gaurav Kaithwas and Abhay Raj (2013) Microbial indicators. Pathogen and method for their monitoring in water environment. J. Water and Health.
7. Sujata, **Ram Naresh Bharagava** (2014) Exposure to crystal violet (CV), its toxic and genotoxic and carcinogenic effects on environment and degradation and detoxification for environmental safety, chemosphere.
8. Sandhya Mishra, **Ram Naresh Bharagava** (2014) Toxic and genotoxic effect of hexavalent chromoim in environment and its bioremediation strategies. Critical Review in Toxicology.

B.6 Research Project (s)/Consultancy [Completed/Ongoing/Sanctioned/Submitted]

a. Research Projects Completed

1. Screening and identification of hot spots of sewage pollution containing multiple drug resistant E. coli in River Ganga at different locations of Kanpur
Funding Agency - UGC New Delhi
Total Cost - Rs 9.88 lakhs
Principal Investigator: **Dr. Naveen Kumar Arora**
2. Metabolite characterization and detection of functional genome of melanoidin degrading enzyme involved during the decolourization of post methanated distillery effluent
Funding Agency - DBT, Govt. of India
Total Cost - Rs. 42.00 Lakhs
Principal investigator: **Prof. Ram Chandra**
3. Development of low cost electrochemical nanobiosensor for the online detection of Enterobac-teriaceae in drinking water
Funding Agency -DST, Govt. of India
Total Cost - Rs. 36.59 Lakhs
Co-Principal Investigator - **Dr Rajesh Kumar**

b. Research Projects Ongoing

1. Screening of sewage pollution in Ganga water and assessment of its impact on

ground water along the path of river flow in Kanpur

Funding Agency - CST (UP), Lucknow

Total Cost - Rs 10 lakhs

Principal Investigator: **Dr. Naveen Kumar Arora**

2. Field scale demonstration of pulp paper mill effluent detoxification after secondary treatment by combination of biostimulation and constructed wetland treatment process

Funding Agency - DST, Govt. of India

Total Cost - Rs. 53 Lakhs

Principal investigator: **Prof. Ram Chandra**

3. "PCR mediated detection of methane-oxidizing bacterial diversity from dry tropical forest soils".

Funding Agency -UGC New Delhi

Total Cost - Rs. 6.00 Lakhs

Principal Investigator - **Dr. Jay Shankar Singh**

4. Project Title: Characterization of the recalcitrant organic pollutants (ROPs) and bacterial communities in tannery wastewater (TWW) after secondary treatment process and it's toxicological effects in environment

Funding Agency - DST, New Delhi,

Total Cost - Rs. 50 lakhs

Principal Investigator - **Dr. Ram Naresh Bharagava**

5. Detection of persistent organic pollutants and bacterial communities in distillery wastewater contaminated aquatic resources after secondary treatment stage

Funding Agency - UGC, New Delhi,

Total Cost - Rs. 6.00 Lakhs

Principal Investigator - **Dr. Ram Naresh Bharagava**

6. Microbial Biodiversity and Pollution Monitoring through indicator bacteria of Ganga River in Uttar Pradesh.

Funding Agency - CST, UP

Total Cost - Rs. 9.00 Lakhs

Principal Investigator - **Dr. VS Baghel**

7. Isolation, characterization and evaluation of indigenous strains of plant growth promoting rhizobacteria for important crops of Uttarakhand
Funding Agency - Uttarakhand Council for Science and Technology (2011-2014).
Co-Principal Investigator - **Dr Rajesh Kumar**
B.7 Research Projects Submitted to Different Funding Agencies
1. Optimization of multifaceted metabolite based Bioformulation technology captivating PGP fluorescent Pseudomonads (Already checked for Chickpea crop), for sustainable Agriculture.
Funding Agency - DBT, New Delhi,
Total Cost - Rs. 59,55,200/=
Principal Investigator - **Dr. Naveen Kumar Arora**
2. Detection of Persistent Organic Pollutant and bacterial community from Pulp Paper Mill Effluent contaminated site and their bioremediation after Secondary treatment.
Funding Agency - UGC, New Delhi
Total Cost - Rs. 27.85 Lac
Principal investigator: **Prof. Ram Chandra**
3. Health Hazards of Pulp Paper Mill Effluent after Secondary Treatment and Characterization of Persistent Organic Pollutant and Microbial Communities
Funding Agency - MoEF, Govt. of India
Total Cost - Rs. 67.03 Lakhs
Principal investigator: **Prof. Ram Chandra**
4. Biotechnological prospects of extracellular enzymes of cold adapted bacteria isolated from Gangotri glacier, Western Himalaya, India.
Funding Agency - DST, New Delhi
Principal investigator: **Dr. VS Baghel**
5. Exploring Lindane Degrading Methanotrophic Community from Lindane Contaminated Sites
Funding Agency- UGC
Total Cost- Rs. 20.00 lakhs
Principal Investigator- **Dr. Jay Shankar Singh**
6. Investigation on the impact of land use changes on methane (CH₄) consuming bacterial Diversity
Funding Agency- DST
Total Cost- Rs. 55.20 Lakhs
Principal Investigator- **Dr. Jay Shankar Singh**
7. Assessment of Methanotrophic Community from Paddy Fields for Pesticide Degradation
Funding Agency- CSIR
Total Cost- Rs. 13.00 lakhs
Principal Investigator- **Dr. Jay Shankar Singh**
- B.8 Membership/ Honours/ Awards from various Scientific Societies/ Associations**
- Prof. Ram Chandra**
1. Life member of National Academy of Sciences Allahabad, India (NASI, 2013)
 2. Member of American Society for Microbiology, USA (ASM, 2013)
 3. Elected as Central Executive Council Member of Association of Microbiologist of India (AMI) (2014-17)
 4. Member of Academy Advisory Board in Life Sciences, The Energy and Resources Institute TERI (2012-15)
 5. Fellow of Biotech Research Society of India (FBRSI, 2013)
 6. Fellow of Association of Microbiologists of India (FAMI, 2013)
 7. Fellow of The Academy of Environmental Biology (FAEB, 2008)
- Dr. Naveen Kumar Arora**
1. Life Member of Association of Microbiologists (AMI) of India.
 2. Life Member of the Indian Science Congress Association (ISCA), Kolkata, India.
 3. Member of World -Wide Fund for Nature (WWF), India.
 4. Life Member of Asian PGPR Society, Hyderabad, India

5. Life Member of Society for Science Climate Change and Sustainable Environment (SSCE), New Delhi

6. Member of International Symbiosis Society

Dr. Rajesh Kumar

1. Life Member, Association of Microbiologists of India

2. Life Member, Indian Science Congress

Dr. Vinay Singh Baghel

1. Life Member of the Association of Microbiologists of India (AMI), India

2. Life Member of the Academy of Environmental Biology (AEB), Lucknow, India

3. Life Member of International Society of Environmental Botanist, Lucknow, India

4. Life Member of Prof. H S Srivastava foundation for Science and Society, Lucknow, India

Dr. Jay Shankar Singh

1. Life Member of the Association of Microbiologists of India (AMI), India

2. Life Member of Society for Science Climate Change and Sustainable Environment (SSCE), New Delhi

Dr. Ram Naresh Bhargava

1. Life Member of the Indian Science Congress Association (ISCA), Kolkata, India

2. Life Member of the Association of Microbiologists of India (AMI), India

3. Life Member of the Biotech Research Society of India (BRSI), Trivandrum, India

4. Life Member of the Academy of Environmental Biology (AEB), Lucknow, India

B.9 Research Paper Presented in Seminar/Conferences/Workshop

Prof. Ram Chandra

1. **Ram Chandra** (2013) Characterisation of Potential Bacterial Consortium Capable for Detoxification of Pulp Paper Mill Effluent. Presented in International Conference on Advances in Biotechnology and Bioinformatics ICABB- 2013 Organized by

The Biotech Research Society, India held from 25-27 Nov, 2013 at Dr. D.Y. Patil Vidyapeeth, Pune, India

2. **Ram Chandra** (2013). Enzymatic degradation of melanoidins compound in post Methanated distillery effluent (PMDE). Presented in International Conference organized by Association of Microbiologist of India (AMI) held from Nov 17-20, 2013 at Maharshi Dayanand University, Rohtak, and Haryana, India.

3. **Ram Chandra** (2014). Environmental health Hazards of Distillery Waste Water and Its Biodegradation for Environmental Safety. Presented in National Workshop Innovation and Technology Transfer to Industries Role of Universities held from March 10-11, 2014 at Babasaheb Bhimrao Ambedkar University, Lucknow.

4. **Ram Chandra** (2014). Role of Bacteria Enzyme for Detoxification of Melanoidin from Post Methanated Distillery Effluent for Environmental Safety. Presented In 101st Indian Science Congress held from February 3-7, 2014 at University of Jammu, Jammu.

5. **Ram Chandra** (2014). Role of Bacteria Enzyme for Detoxification of Melanoidin from Post Methanated Distillery Effluent for Environmental Safety. Presented In International Conference on Environmental Conservation by Adopting New Technologies Organized by Modern College of Arts, Science & Commerce, held at Maharashtra from January 28-19, 2014

Dr. Naveen Kumar Arora

1. **NK Arora** (2013). Diverse mechanisms adopted by fluorescent *Pseudomonas* in biological control of phytopathogens in National Conference on Microbes Promoting Plant Health, Productivity and Sustainability. Organized by CSIR-CIMAP and CSIR- NBRI Lucknow

2. **NK Arora, S Tewari** (2013) Multifaceted mechanisms adopted by fluorescent *Pseudomonads* in biological control of *Macrophomina phaseolina* causing charcoal in a variety of crops in International Conference on Environment, Health and Industrial Biotechnology, Biosangam-2013, organized by Department of Biotechnology, MNNIT, Allahabad.

3. **NK Arora** (2014) Plant growth promotion and management of charcoal rot by fast and slow growing rhizobia from *Mucuna pruriens* L. (Velvet bean) in International Conference on Environmental Technology and Sustainable Development: Challenges and Remedies, organized by Department of Environmental Science, BBA University, Lucknow.
4. **NK Arora** (2014) *Pseudomonas aeruginosa* PF23 a commercially important PGPR for remediating stressed soils in 101st Indian Science Congress, University of Jammu, J&K.

Dr. Rajesh Kumar

1. Sadhana Sagar Rajesh Kumar (2014). Control of water borne pathogen *Pseudomonas aeruginosa* by lytic bacteriophage. International conference on Environmental Technology and Sustainable Challenges and Remedies, organized by Department of Environmental Sciences, BBAU, Lucknow 21-23rd February, 2014. Abstract published in Abstract Souvenir p.no.110.
2. Rajesh Kumar, Amar Jyoti Das, Shatrohan Lal (2014). Requisite for Production of Nano Based Pesticide. Workshop on Innovation and Technology Transfer from University to Industrial level organized by Department of Environmental Sciences, BBAU, Lucknow from 7-8th February, 2014.
3. Shatrohan Lal, Rajesh Kumar, Amar Jyoti Das, Chaya Verma and H K Bhargava (2014). Remediation of pentachlorophenol contaminated soil by rhizoremediation-assisted bioaugmentation. International Conference on future prospects of advancements in biological sciences, health issues and environmental pollution organized jointly by Division of Biotechnology, Cytogene R & D, Lucknow, India and Society for Bioscience, Health Issues and Environmental Perception, Lucknow, India, 7-8th Feb, 2014, Lucknow.
4. Kaushik R, Kumar R, Sharma N.K. and Kohli Seema (2013). Versatility of Fourier Transform Infra Red Spectroscopy in characterization of novel polymer-metal nanocomposites. National Conference on Innovative strategies for Science organized by Indraprastha Engineering College, NOIDA (Uttar Pradesh Technical University) on 30th November, 2013.
5. Hitesh Narayan, Amar Jyoti Das, Rajesh Kumar (2013). Use of Nanoparticles in sewage treatment: a solution for water pollution. Presented at International Conference on Nanoscience and Nanotechnology, ICNN-2013, organized by Department of Applied Physics, BBAU, Lucknow, 18-20 November, 2013. Abstract published in Abstract souvenir p.no. 233.
6. Amar Jyoti Das, Rajesh Kumar (2013). Exploitation of Nanotechnology for managing microbial diseases in Agriculture: a novel idea. Presented at International Conference on Nanoscience and Nanotechnology, ICNN-2013, organized by Department of Applied Physics, BBAU, Lucknow, 18-20 November, 2013. Abstract published in Abstract souvenir p.no. 227.
7. Ahmaduddin Khan, Amar Jyoti Das, Rajesh Kumar (2013). Nanomaterial based catalyst and its multiple uses. Presented at International Conference on Nanoscience and Nanotechnology, ICNN-2013, organized by Department of Applied Physics, BBAU, Lucknow, 18-20 November, 2013. Abstract published in Abstract souvenir p.no. 226.
8. Ajeet Singh, Amar Jyoti Das, Rajesh Kumar (2013). Miniaturization in single molecule electronics: better efficiencies in electrical device (2013). Presented at International Conference on Nanoscience and Nanotechnology, ICNN-2013, organized by Department of Applied Physics, BBAU, Lucknow, 18-20 November, 2013. Abstract published in Abstract souvenir p.no. 226.
9. Astha Singh, Amar Jyoti Das, Rajesh Kumar (2013). Nanoparticles in drug delivery is a new vista in the field of medicine (2013). Presented at International Conference on Nanoscience and Nanotechnology, ICNN-2013, organized by Department of Applied Physics, BBAU, Lucknow, 18-20 November, 2013. Abstract published in Abstract souvenir p.no. 229.
10. Harshit Khare, Amar Jyoti Das, Rajesh Kumar (2013). Use of Nanotechnology for respiration under water: a novel approach for developing nano-gills. Presented at International Conference on Nanoscience and Nanotechnology, ICNN-2013, organized by Department of Applied

Physics, BBAU, Lucknow, 18-20 November, 2013. Abstract published in Abstract souvenir p.no. 232.

11. Priya Dwivedi, Amar Jyoti Das, Rajesh Kumar (2013). Solid lipid nanoparticles (SLN): a new vista in vaccination. Presented at International Conference on Nanoscience and Nanotechnology, ICNN-2013, organized by Department of Applied Physics, BBAU, Lucknow, 18-20 November, 2013. Abstract published in abstract souvenir p.no. 240.
12. Manish Kumar, Rajesh Kumar (2013). Low cost production of biosurfactant (a green chemical) on cheese whey by fluorescent pseudomonads isolated from refinery sludge. Presented at 54th Annual Conference of AMI-2013 and International Symposium on frontier discoveries and innovations in Microbiology and its interdisciplinary relevance organized by Department of Microbiology, MDU University, Rohtak, India November 17-20, 2013 at Rohtak. Abstract published in souvenir p.no. 71.
13. Chayya Verma, Rajesh Kumar (2013). Degradation of endosulfan in agricultural land by fungi. Presented at 54th Annual Conference of AMI-2013 and International Symposium on frontier discoveries and innovations in Microbiology and its interdisciplinary relevance organized by Department of Microbiology, MDU University, Rohtak, India November 17-20, 2013 at Rohtak. Abstract published in souvenir p.no. 392.
14. Sadhna Singh Sagar Rajesh Kumar, Shilpa Deshpande Kaistha (2013). Inhibition of biofilm formation of *P.aeruginosa* PA 01 by synergistic application of isolated bacteriophage and antibiotic. Presented at 54th Annual Conference of AMI-2013 and International Symposium on frontier discoveries and innovations in Microbiology and its interdisciplinary relevance organized by Department of Microbiology, MDU University, Rohtak, India November 17-20, 2013 at Rohtak. Abstract published in souvenir p.no. 167.
15. Rajesh Kumar and Amar Jyoti Das (2013). Reclamation of diesel hydrocarbons contaminated soil for the enhancement of

growth and antioxidant activity of *Centella asiatica* by inoculation of biosurfactant producing *Pseudomonas* strains with PGPR activity. Presented at National Conference on microbes promoting crop health, productivity and sustainability organized by Indian Phytopathological Society at CIMAP (CSIR) from October 26-27, 2013, published in abstract souvenir page no 102-103.

Dr. Vinay Singh Baghel

1. **Baghel VS** (2013). Microbiological quality of water and health in the satellite. Conference Organized by academy of Environmental Biology dated 28th October 2013 at Lucknow.
2. **Baghel VS** (2013) Microbiological assessment of Ganga water (U.P.) India at international conference on Biosciences with special reference to environmental issues dated December 19 to 21, 2013 at Department of zoology Shivaji University Kolhapur, Maharashtra, India.

Dr. Ram Naresh Bhargava

1. **Ram Naresh Bhargava** (2013) Tannery wastewater treatment at common effluent treatment plant (CETP) by heavy metal and antibiotic resistant bacteria. Presented in International Conference on "Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance (FDMIR-2013) held from Nov 17-20, 2013 at Department of Microbiology, Maharshi Dayanand University, Rohtak-124001, Haryana, India
2. **Ram Naresh Bhargava** (2014) Antibiotic and heavy metal resistant property of bacteria isolated from common effluent treatment plant (CETP) of tannery industries. Presented in International Conference on "Environmental Technology and Sustainable Development: Challenges & Remedies held from Feb 21-23, 2014 at Department of Environmental Sciences, Babasaheb Bhimrao Ambedkar (Central) University, Lucknow-226 025 (U.P.), India.

B.10 Conference Organized

1. National Workshop Innovation and Technology Transfer to Industries: Role of Universities at BBA University. Lucknow

from March 10 -11, 2014 Organizing Secretary:**Dr. Naveen Kumar Arora**

2. 1st Lucknow Science Congress: Innovation in Science for Better Tomorrow, From March 20-21, 2013 Organizing Secretary: **Dr. VS Baghel**

B.10 Resource Person/Invited talk/Led lecture/Chair Person to Conduct Session in Conference

Dr. Naveen Kumar Arora

1. Co-chaired a session in National Conference on Microbes Promoting Plant Health, Productivity and Sustainability Organized by CSIR-CIMAP and CSIR- NBRI Lucknow
2. Plenary lecture in 101st Indian Science Congress, University of Jammu, J&K
3. Co-chaired a session (futuristic approach in management of diseases) at 101st Indian Science Congress, University of Jammu, J&K
4. Co-chaired a session at International Conference on Environment, Health and Industrial Biotechnology, Biosangam-2013, organized by Department of Biotechnology, MNNIT, Allahabad
5. Invited talk at International Conference on Environment, Health and Industrial Biotechnology, Biosangam-2013, organized by Department of Biotechnology, MNNIT, Allahabad

Prof. Ram Chandra

1. Enzymatic degradation of recalcitrant compound in industrial wastewater. Presented in National workshop on **"Advances in Industrial Wastewater Treatment"** held June 27, 2013 at TERI's complex in Haryana(Invited talk)
2. Role of Bacterial Enzyme for Detoxification of Melanoidins from Post Methanated Distillery Effluent for Environmental safety Presented in International Conference on Advances in Biotechnology and Bioinformatics ICABB- 2013 Organized by The Biotech Research Society, India held from 25-27 Nov, 2013 at Dr. D.Y. Patil Vidyapeeth, Pune (Invited talk)
3. Ram Chandra (2013). Environmental health Hazards of Distillery Waste Water and Its Biodegradation for Environmental Safety.

Presented in National Workshop Innovation and Technology Transfer to Industries Role of Universities held from March 10-11, 2014 at Babasaheb Bhimrao Ambedkar University, Lucknow. (Lead Lecture)

4. Ram Chandra (2013). Environmental Health hazards of distillery waste and its biodegradation for environmental safety. Presented in International Conference on Environmental Technology and Sustainable Development: Challenges & Remedies (ES & SD-2014) Organized by Department of Environmental Sciences held from 21-23 Feb, 2014 at BBAU, Lucknow (Invited Talk)

Dr. VS Baghel

1. Use of Microbiological techniques in pollution assessment dated 12th march 2014 at CSIR, CDRI, Lucknow.

B.11 Contribution in University Administration

Dr. Naveen Kumar Arora

1. Coordinator, Department of Environmental Microbiology
2. Co-coordinator, Centre for Industry Institute Partnership Programme (CIIPP)
3. Coordinator, Industrial Microbiology
4. Chairman, DRC (Environmental Microbiology) from August, 2014
5. Member BPGS (Department of Environmental Microbiology) up to July, 2014
6. Chairman, BPGS (Department of Environmental Microbiology) up to July, 2014
7. Member of Editorial Board BBAU Voice
8. Member, School Board of School for Environmental Science
9. Rapporteur, North Zone Vice Chancellors Meet, Session on RUSA.
10. Member, Organizing Committee Team, LUSCON-2014
11. Member, University Space Auditing Committee, BBA University
12. Member, Academic Restructuring Committee, BBA University

Prof. Ram Chandra

1. Dean, Alumni Relations, Babasaheb Bhimrao Ambedkar University, Lucknow
2. Chief Coordinator, Food Microbiology & Toxicology, Industrial Microbiology, Nanoscience & Nanotechnology
3. Coordinator, Food Microbiology & Toxicology
4. Coordinator, DST-FIST Program-2014
5. Nodal Officer, University and Department SC/ST fellowship cell
6. Coordinator, Department of Environmental Microbiology (July, 2012 - 1, August, 2014)
7. Chairman, IQAC, BBA University
8. Chairman, DRC (up to 1, August, 2014)
9. Chairman BPGS (up to 1, August, 2014)

Dr. Rajesh Kumar

1. Member, DRC (Env. Micro.)

2. Member, BPGS
3. Co-coordinator, M.Sc. in Nanoscience and Nanotechnology
4. Member, Committee for Honorarium
5. Member, Organizing Committee Team, LUSCON-2014
6. Rapporteur, North Zone Vice Chancellors Meet, Session on RUSA

Dr. VS Baghel

1. Member, BPGS
2. Member, School Board of School for Environmental Science.
3. Departmental IQAC member

Member Editorial Board

Dr Naveen Kumar Arora

1. Associate Editor, Climate Change and Environmental Sustainability





SCHOOL FOR HOME SCIENCES

The School for Home Sciences (SHS) is an important inter disciplinary faculty with an objective to include teaching and research in various aspects of Home Science. The study of Home Science centers around the individual and family and contributes to the personal and professional development of the individual and at macro level deals with the progress and functioning of the society. The philosophy of Home Science is no more considered to aim predominantly at home making but it, to go with the current trends and increasingly aiming at preparing professional workers as fashion designers, nutritionists, interior designers, teachers, administrators, counselors, extension personnel etc. Home Science curriculum includes the following areas of the study i.e. Foods & Nutrition, Human Development and Family Studies, Family Resource Management, Clothing & Textiles and Home Science Extension.

The School aims to create an academically vibrating atmosphere, center of excellence on

teaching and research in the areas of Home Science. The School is planning to establish three more new departments.

At present the School is having two departments. Department of **Human Development and Family Studies** and the Department of **Food Science & Technology**. The Department of HD&FS. offers M. Sc. & Ph. D. programmes with strength of 60 M.Sc. and 16 Ph. D Scholars. The Department of **Food Science & Technology** was started in the session 2013-14 and offers M.Sc. in Food Science & Technology with strength of 20 students in each batch. A lot of emphasis is also given to strengthen the laboratory facilities and to carryout research in respective field of specialization. To enhance the quality of teaching and research in the university, a three member Departmental Quality Assessment Cell (IQAC) has been constituted. A Day Care center cum Lab Nursery School also is functioning under the Department since 8th March 2010.

I. DEPARTMENT OF HUMAN DEVELOPMENT AND FAMILY STUDIES

The Department of **Human Development & Family Studies** was started in 2007-08 under School for Home Sciences. The Department is running two year MA/ MSc. and Ph.D programme. The Faculty of the Department comprises of one Professor and three Assistant Professors from diverse fields of specialization. The student strength of the Department comprises of 16 Ph.D. students and 61 M.Sc. students. The Department organizes regular seminars on every Friday, where students are given opportunity to speak on topic of their choice in order to harness their oratory skills on different traditional and contemporary aspects of the field of Home Science.

Four research scholars have qualified U.G.C. NET Examination and three research scholar has qualified UGC NET with JRF Fellowship.

A. Department Level Academic Activities

The Department emphasises extensive academic activities since its inception and in the current academic year, the department organized an International Conference on the topic "Scientific and Technological Advancements: Social Issues and Health Concerns" (18th - 19th Feb, 2014). Delegates from across the world has participated in the conference, given their invaluable inputs and the proceedings of the same is being processed in the form of a book.

A. Faculty Detail:-

S.No.	Name	Designation	Qualification	Area of Specialization
1.	Prof. Sunita Mishra	Professor	Ph.D.	Food & Nutrition
2.	Dr. Neetu Singh	Assistant Professor	Ph.D.	Food & Nutrition
3.	Dr. Shalini Agarwal	Assistant Professor	Ph.D.	Family Resource Management
4.	Dr. U.V. Kiran	Assistant Professor	Ph.D.	Resource Management & Consumer Sciences

The students and faculty were actively engaged in the National level Youth Festival 'Taraunullhas' and also has put up food and other related stalls.

The students are encouraged to regularly participate in competitions held at School and University level i.e. essay writing competitions, elocution, poster making competition recipe making competition.

Extra-curricular and Co-Curricular activities are conducted regularly and students skills are harnessed and encouraged.

B. Academic Activities Of The Faculty:-

Prof. Sunita Mishra

- i. Awards and Honours received by Faculty in 2012-13

National Award:

1. Mid Career Award by Home Science Association of India, Lucknow Chapter, 2011 for best research paper. A citation with Rs. 10,000.00 cash award.
- ii. Publications in 2012-2013:

Books: Authored by Prof. Sunita Mishra

1. *Nutritional Trends in Family and Community Studies*"Shree Publication, New Delhi, 2011.
2. *"Contemporary Approach in Family and Community Studies"* Shree Publication, New Delhi, 2011.

UGC NET study manual, Home Science, Selective & Scientific Books, New Delhi, 2011.

- iii. Major Project:

UGC Sponsored Major Project on "Traditionally locally available foods and associated knowledge system relating to health & Nutrition among tribal woman of Orissa (Kalahandi and Koraput District)' 2011-13.

Prof. (Mrs.) Sunita Mishra

Published Books (15 Books)

1. **Feeding practices and Anthropometric measurements** of pre-school

children, Bharatiya Vidya Sansthan, Varanasi, U.P., 2003

2. **Protective Nutrition** (Surakshatmak Poshan, in Hindi): Ratna off set and printers, Kamacha, Varanasi, 2004
3. **Vyanjan : A text book of Nutrition**, Selective and Scientific Books, Raisina Road, Delhi, 2004
4. **Gramin mahilaon keliye bacho ke swasthya sambandhi paramarsh pustika**. Bharatiya Vidya Sansthan, Jagatganj, Varanasi., 2005
5. **Home Management and Interior Decoration**, India Books, Sapna Ashok Publication Varanasi, 2006
6. **Physiology and Health Science** (Sharir Rachana Abam Swasthya Vigyan in Hindi) University Publication, Ansari Road, Daryaganj, New Delhi, 2007
7. **Home Management**(GhrihPravandh in Hindi), University Publication, Ansari Road, Daryaganj, New Delhi, 2007
8. **Community Health** (Samudayik Swasthya in Hindi), University Publication, Ansari Road, Daryaganj, New Delhi, 2007
9. **Textile Science** (Vastra Vigyan in Hindi), University Publication, Ansari Road, Daryaganj, New Delhi, 2008
10. **Extension Education** (PrasarVigyan (In Hindi) University Publication, Ansari Road, Daryaganj, New Delhi, 2008
11. **Home Science** (GhrihVigyan in Hindi) University Publication, Ansari Road, Daryaganj, New Delhi, 2008
12. **AharAvamPoshanVigyan** (In Hindi) University Publication, Ansari Road, Daryaganj, New Delhi, 2008
13. **Nutritional Trends in Family and Community Studies**, Shree Publication, New Delhi, 2011.
14. **Contemporary Approach in Family and Community Studies**, Shree Publication, New Delhi, 2011.
15. **UGC NET Study Manual, Home Science**, Selective & Scientific Books, New Delhi, 2013.

RESEARCH PUBLICATION

Prof. (Mrs. Sunita Mishra) (International Publications)

Year	Research Papers Published In International Journals
2014	Pandey Suverna & Mishra Sunita . Effect of Health and Maternal Education on Social Skills of Preschoolers. <i>International Journal of Advanced Scientific and Technical Research</i> . 3(4): 572-577 [ISSN - 2249-9954] Impact Factor – 2.9
2014	Verma Ruchi & Mishra Sunita . Effect of Animation on Behaviour of students from Government and Private Schools between the Age Group of 7-11 Year. <i>International Journal of Advanced Scientific and Technical Research</i> . 3(4): 617-623 [ISSN - 2249-9954] Impact Factor – 2.9
2014	Singh Annu & Mishra Sunita . Adolescent Involvement in Extracurricular Activities and Positive Development: A Comparative Study between Government and Private Schools' Students. <i>European Academic Research</i> . 2(3): 3255-3268 [ISSN - 2286-4822] Impact Factor - 3.1
2014	Mishra Sunita . Use of Nanotechnology & Nano Sciences in Food Packaging. <i>International Journal of Advance Scientific & Technical Research</i> . 395-406. [ISSN- 2249-9954] Impact Factor - 2.9
2014	Rai Avantika & Mishra Sunita . Anxiety Level of Adolescents Girls during examination in Different attributes. <i>Advance Research in Social Science</i> . 5(1). 23-26 [ISSN- 2231-6418].
2014	Pandey Suverna & Mishra Sunita . Effect of Maternal Education on Child Stimulations. <i>International Journal of Science and Research (IJSR)</i> . 3(6): 1333-1335 [ISSN - 2319-7064] Impact Factor - 3.358
2014	Anita & Mishra Sunita . Different types of Creative activities organized in school Government School & Private School. <i>International Journal of Science and Research (IJSR)</i> . 3(6): 2324-2326 [ISSN - 2319-7064] Impact Factor - 3.358
2014	Km. Reena & Mishra Sunita . Importance of Nutrients taken by the age Group (3-6 years). <i>International Journal of Science and Research (IJSR)</i> . 3(6): 1821-1822 [ISSN - 2319-7064] Impact Factor - 3.358
2014	Priyanka & Mishra Sunita . Difference in Life Satisfaction of Elderly people in Urban & Semi – Urban Families of Lucknow. <i>IOSR Journal of Humanities and Social Sciences</i> . 28-32. [ISSN – 2279- 0845] Impact Factor – 1.5
2014	Rai Avantika & Mishra Sunita . To Study Level of Examination Anxiety due to Educational Performance. <i>International Journal of Advance Scientific & Technical Research</i> . 88- 90. [ISSN- 2249-9954] Impact Factor - 2.9
2014	Saxena Sweta & Mishra Sunita . Malnutrition among School Children of Lucknow. <i>International Journal of Science and Research (IJSR)</i> . 3(6): 1726-1729 [ISSN - 2319-7064] Impact Factor - 3.358
2014	Mishra Sunita & Verma Pooja. Antioxidants & Disease Prevention. <i>International Journal of Advance Scientific & Technical Research</i> . 903-913. [ISSN- 2249-9954] Impact Factor - 2.9
2014	Sharma Megha & Mishra Sunita . Effects of Maternal Health and Nutrition on Birth Weight of Infant. <i>International Journal of Science and Research (IJSR)</i> . 3(6): 855- 858 [ISSN - 2319-7064] Impact Factor - 3.358
2014	Singh Annu & Mishra Sunita . The Relationship between Adolescents' Participation in Extracurricular Activities and Their Academic Outcomes. <i>International Journal of Science and Research (IJSR)</i> . 3(6): 1340-1341 [ISSN - 2319-7064] Impact Factor - 3.358
2014	Singh Monika & Mishra Sunita . Fast Food Consumption Pattern and Obesity among School Going (9-13 Year) in Lucknow District. <i>International Journal of Science and Research (IJSR)</i> . 3(6): 1672-1674 [ISSN - 2319-7064] Impact Factor - 3.358

2014	Singh Shruti & Mishra Sunita . Optimism – Pessimism among Adolescents – A Gender Based Study. <i>International Journal of Science and Research (IJSR)</i> . 3(6): 1530-1532[ISSN - 2319-7064] Impact Factor - 3.358
2014	Verma Pooja & Mishra Sunita . To Study the Different Food Product Contamination and Food Handling Practices in 85 House Hold in Lucknow City. <i>International Journal of Science and Research (IJSR)</i> . 3(7): 6-8 [ISSN - 2319-7064] Impact Factor - 3.358
2014	Verma Ruchi & Mishra Sunita . Effect of Animation on Concept Formation of Students from Government and Private Schools between the Age Group of 7-11 Year. <i>International Journal of Science and Research (IJSR)</i> . 3(6): 1178-1181[ISSN - 2319-7064] Impact Factor - 3.358
2013	Singh Shruti, Verma Pooja & Mishra Sunita . Potential of Herbs in Prevention of Obesity. <i>International Journal of Health Science & Research</i> . 1(2):159- 167 [ISSN – 2249-9571] Impact Factor – 3.5
2013	Arya Geeta & Mishra Sunita. Effect of Junk Food & Beverages on Adolescent’s Health – A Review Article. <i>IOSR Journal of Nursing & Health Science</i> . 2(3): 26-32 [ISSN – 2320- 1940] Impact Factor – 1.3
2013	Sharma Megha & Mishra Sunita . Maternal Risk Factors & Consequences of Low Birth Weight in Infants. <i>IOSR Journal of Humanities and Social Sciences</i> .2(4): 39-45 [ISSN – 2279- 0845] Impact Factor – 1.5
2013	Sharma Megha & Mishra Sunita . Effect of Zinc Deficiency on Growth & Morbidity in Infants. <i>IOSR Journal of Nursing & Health Science</i> . 2(5):22-25 [ISSN – 2320-1940] Impact Factor – 1.3
2013	Mishra Sunita & Verma Pooja. Flax seed – Bioactive Compounds & Health Significance. <i>IOSR Journal of Humanities and Social Sciences</i> . 2(5): 46-50 [ISSN – 2279- 0845] Impact Factor – 1.5
2013	Mishra Shobhana & Mishra Sunita . Impact of E-education on School going Children. <i>International Journal of Humanities and Social Science Invention</i> . 3(5): 58-61 [ISSN – 2319-7714] Impact factor- 1.7
2013	Singh Annu & Mishra Sunita . Impact of Extracurricular Activities on Students in Private School of Lucknow District <i>International Journal of Humanities and Social Science Invention</i> . 3(5): 92-94 [ISSN – 2319-7714] Impact factor- 1.7
2013	Agrwal Roli & Mishra Sunita . Role of Biofertilizers in Maintaining Nutritional status of Soil in Sonbhadra and Mirzapur District of Eastern U.P. India. <i>International Journal of Humanities and Social Science Invention</i> . 1: 23-30 [ISSN – 2319-7714] Impact factor- 1.7
2013	Singh Shruti & Mishra Sunita . Aging and Nutrition: A review article. <i>IOSR Journal of Nursing & Health Science</i> . 2(6): 43-46 [ISSN – 2320-1940] Impact Factor – 1.3
2013	Padhan Sarojini & Mishra Sunita . MadhucaLonigfolia (Sapotaceae) A review of its traditional uses and Nutritional Properties. <i>International Journal of Humanities and Social Science Invention</i> . 2: 32-36 [ISSN – 2319-7714] Impact factor- 1.7
2013	Srivastava Anshima & Mishra sunita . A study on Qualification of NGO workers & their role in Child Labour Prevention. <i>IOSR Journal of Engineering</i> . 3(5):37-39 [ISSN – 2278-8719] Impact factor- 1.7
2013	Singh Annu & Mishra Sunita . Impact of Extracurricular Activities on Students in Private School of Lucknow District. <i>International Journal of Humanities and Social Science Invention</i> . 1: 92-94 [ISSN – 2319-7714] Impact factor- 1.7
2013	Saxena Maneesha & Mishra Sunita . An Evaluation of Different types of Teaching Methods among the Pre Scholars (A Case Study of Lucknow City). <i>International Journal of Humanities and Social Science Invention</i> . 1:76-79 [ISSN – 2319-7714] Impact factor- 1.7
2013	Kumari Sonali & Mishra Sunita . Assessment of Father Involvement in Child Care Development. <i>IOSR Journal of Dental & Medical Sciences</i> . 2(3):1-3 [ISSN – 2279-0861] Impact Factor – 1.3
2013	Singh Shilpa & Mishra Sunita . A Study about Role of Multimedia in Early Childhood Education. <i>International Journal of Humanities and Social Science Invention</i> . 2(1); 82-85 [ISSN – 2319-7714] Impact factor- 1.7

RESOURCE PERSON & KEY NOTE SPEAKER, 2012-2014

S.No.	Date	Institute	Topic
1.	15/11/2012	NIPCID, Lucknow	Malnutrition of children, their prevention and management
2.	24/11/2012	Regional Institute of Education, Bhubaneswar, Odisha	Quality dimensions of early childhood care and education: concerns and issues
3.	12/09/2012	Navin Girls College, PanditRavisankar University, Raipur	Current Trends of Research in Home Science.
4.	28/01/2013	NIPPCD Lucknow	Malnutrition in Children & its remedial aspect
5.	08/01/2014	BijliPasi P.G. College Lucknow	Community Work Extension and how to enhance Community Development through skill Development Program.
6.	08/02/2014	Neta Ji Subhash Chandra Bose Govt. Girls Degree College Lucknow.	Youth Empowerment
7.	05/03/2014	Khwaja Moinuddin Chisti Urdu Arbi Farsi University Lucknow.	Nutrition and Health of Women
8.	07/03/2014	B.B.AU. Lucknow	Food Safety and Quality Control

CONFERENCES/SEMINARS/SYMPOSIUM/WORKSHOPS ORGANIZED

Chairperson Prof. Sunita Mishra

2014	Two Day International Conference on “Scientific & Technological Advancement: Social Issues & Health Concerns” on 18 th & 19 th Feb, 2014.
2012	National Workshop on “Crime against Women” on 8th March, 2012.
2011	Three Day Biennial National Conference on “Innovative Horizons & Emerging Challenges for Home Scientists” of Home Science Association of India (HSAI) Lucknow Chapter on 4 th to 6 th November, 2011.
2010	One Day Symposium on “Challenges before Today’s Women” on 8 th March, 2010
2010	One Day National Workshop on “Family Satisfaction: Issues & Challenges Ahead” on 18 th Nov, 2010.
2009	One Day International Workshop on “Is Oxygen Boon or Bane? Oxygen Toxicity & Free Radicals Injury” on 18 th March, 2009.
2009	National Conference on “Traditional and Contemporary trends in family and community studies on 24-25 th Nov, 2009.

Conferences/Seminars/Workshops Participated/ presented papers:

- Participated in a 2nd Lucknow Social Science Congress (LUSCON) conference entitled “**Leveraging Science and Innovation for Development**” organized by Babasaheb Bhimrao Ambedkar University, Lucknow on 27th – 28th March 2014.
- Participated in a national workshop entitled “**Innovation and Technology Transfer to Industries: Role of Universities**” organized by Centre for industry Institute Partnership programme, Babasaheb Bhimrao Ambedkar University, Lucknow on 10th and 11th March, 2014.
- Presented a paper entitled “**Occupational Stress among Children of Unorganized sectors**” in a national seminar on “**Women Empowerment Towards Gender Equality**” organized by Khwaja Moinuddin Chishti Urdu, Arbi-Farsi University, Lucknow on 5th – 7th March, 2014.
- Presented a paper entitled “**Personality among School Going and Non School Going Adolescents**” in an International Conference entitled “**Scientific and Technological Advancements: Social Issues and Health Concerns**” organized by School of Home
- Science, Babasaheb Bhimrao Ambedkar University, Lucknow on 18th – 19th February, 2014.
- Participated in a national seminar entitled “**Empowerment of Youth: Issues and**

Challenges” organized by Department of Home Science, Netaji Subhash Chandra Bose Government Girls PG College, Aliganj, Lucknow on 8th-9th February, 2014.

- Participated in a national workshop entitled **“How to Write Research Paper/ Article/ Conceptual Paper/Book review etc.”** organized by Gautam Buddha Degree College, Gauri Road, Bijnaur, Lucknow on 27th October, 2013.
- Participated in symposium entitled **“Buildings an Ecologically Sustainable Society”** Babasaheb Bhimrao Ambedkar University, Lucknow on 16th August, 2013.
- Participated in a national seminar entitled **“Environment, Education & Society”** organized by Department of Environmental Science, Babasaheb Bhimrao Ambedkar University, Lucknow on 5th June, 2013.
- Participated in a workshop entitled **“Placement and Employment Prospects in Indian Patent Offices and hands on Training for Patenting the Research Work”** organized by University Placement Cell and Information & Guidance Bureau, Babasaheb Bhimrao Ambedkar University, Lucknow on 18th March 2013.
- Participated in a 1st Lucknow Social Science Congress (LUSCON) conference entitled **“Social Sciences: Past Experiences and Future Challenges”** organized by School for Ambedkar Studies, Babasaheb Bhimrao Ambedkar University, Lucknow on 14th-15th March 2013.
- Participated in a national workshop entitled **“Crime Against Women: Legal Issues”** organized by School for Home Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow on 7th March 2013.

Dr. (Mrs.) Neetu Singh

International Publications:

- Kumara Ratan and **Neetu Singh.** (2013) **Premenstrual syndrome and stress management.** International journal of science and research. Vol. 3(7). ISSN: 2319-7064.
- Rana Rashmi and **Neetu Singh.** (2013) **The use of social networking in academics:benefit and opportunity.** International journal of science and research. Vol. 3(6). ISSN: 2319-7064.
- Anamika and **Neetu Singh.** (2013) **Dietray habit and risk factors of eating disorders among adolescent residing at Lucknow district.** International journal of science and research. Vol. 3(6). ISSN: 2319-7064.
- Kumari Poonam and **Neetu Singh.** (2013) **Assessment of cognitive capabilities at school level.** International journal of science and research. Vol. 3(6). ISSN: 2319-7064.
- Anamika and **Neetu Singh.** (2013) **The relationship between eating behaviors,body image among adolescent of Lucknow district.** E-library science research journal. Vol. 2(9). ISSN:2319-8435.
- Dayal Bhawana and **Singh Neetu.** (2014). **Crimes against women’s and societal ills: an overview.** International journal of advanced scientific and technical research. Vol.4 (3). ISSN: 2249-9954.
- Rana Rashmi and **Singh Neetu.** (2014). **social networking sites and changing mindset of youths: challenging ahead on social issues.** International journal fo advanced scientific and technical research. Vol.3 (4). ISSN: 2249-9954.
- R.K Verma, A.K Mishra, Sunita Mishra, Singh Neetu and Singh Meera (2014). **Geriatrics hypertension and its dietary recommendation.** International Research Journal of Medical Sciences. Vol.2(8). ISSN:2320-7353.
- Pratibha Mitra and **Neetu Singh.** (2013). **A prevalence of thyroid disorder in Lucknow city: A case control study.** International journal of medical science. Vol. 6(1)
- Gautam Anita and Singh Neetu (2013). **Hazards of new technology in promoting food adulteration.** IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN:2319-2402,p-ISSN: 2319-2399. Vol. 5, Issue 1(Jul-Aug.2013), PP 08-10.
- Singh Nivedita and Singh Neetu. (2013) **A Cognitive capabilities and gender differences in transition period: A study of Lucknow City.** IOSR Journal of Pharmacy. 3(8), 29-31.
- Chanchal Rana and Singh Neetu **Implications of corporal punishment on primary school children.** IOSR journal of humanities and social sciences Sep-oct 2013,vol 15(6),57-61

National Publications:

- Sonali Rawat and **Neetu Singh. (2013)** Risk of maternal conditions among obese and non-obese women. Asian Journal of Home Science Vol. 8(2). E-ISSN: 0976-8351, p-ISSN: 0973-4732.
- Bharti sarita and **Neetu Singh. (2013)** Key practices for early childhood care: An evaluation of slum areas of Lucknow district. Advance Research Journal of Social Science (4) No. 2 Dec 2013.
- Saran payal and **Singh Neetu. (2012)** Monitoring knowledge on child survival and associate factors in a resource limited selling: an evaluation of urban slum of Lucknow district International Research journal Lab to Land. Vol.4 (16) ISSN: 894-8970975-282X.
- Shailja Srivastava and **Neetu Singh (2013)**. Working conditions and their responsibilities: An evaluation of life satisfaction among male workers. Asian Journal of Home Science (8) No.2 Dec 2013.
- Sangeeta Yadav and **Neetu Singh. (2013)**. The health of aging populations and its impact on their cognition strength in 21 century. ShodhPrerak (international refereed research journal vol. 3(1), 135-140 ISSN: 2231-413x.
- Poonam agrahari and **Neetu Singh (2013)**. Anemia and Non Anemia status among study through biochemical estimation of Lucknow city. Asian Journal of Home Science (8) No. 2 Dec 2013.
- Nivedita singh and **Neetu Singh (2013)**. A cognitive development and school differences: A study of Lucknow city. Asian Journal of Home Science (8) No.2 Dec. 2013.
- Deeksha Sharma and **Neetu Singh (2013)**. Female feticide awareness and behavior of people's from different strata of Lucknow city. Anusandhan Anveshika: A bilingual international research journal Vol. III July 2013.
- Sangeeta Yadav and **Neetu Singh (2013)**. Prevalence of morbidity status and healthy life pattern among residential home and old age home: A comparative study. Indian Journal of Preventive and Social Medicine. July 2013.
- Pratibha mitra and **Neetu Singh (2013)**. Thyroid condition imparting fertility problem among adulthood: A study of Lucknow city. Indian Journal of Preventive and Social Medicine.
- Sangeeta Yadav and **Singh Neetu**. Age associated disease burden in old age home and residential home in 21st century - A comparative study. Research journal of family, community and consumer sciences. Vol. 1(2), 10-13. ISSN: 2320-902X.
- **Chanchal Rana and Singh Neetu** Physical facilities in various preschool centers at Lucknow city, Asian journal of home science June-Dec 2013, vol. 8(1&2), 26-30
- Sarita Bharti and **Singh Neetu** An evaluation of Key practices for early childhood care: an evaluation of slum areas of Lucknow district, Advance research journal of social sciences Dec. 2013, Vol. 4(2), 160-162.
- Nivedita Singh and **Singh Neetu** A cognitive development and school difference: a study of Lucknow city, Asian journal of home science Dec. 2013, Vol. 8(2).

Number of papers presented at Conference

- Presented a paper entitled **Role of women in bringing scientific revolution in society** in National Conference on Leveraging Science and Innovation for Development organized by IInd Lucknow Science Congress, BBAU, Lucknow 27-28 March, 2014.
- Presented a paper entitled **Knowledge of Cybercrime among Elderly Across Gender** in International Conference on Scientific and Technological Advancements: Social Issues and Health Concerns and Gender organized by SHS, BBAU Lucknow, 18-19th Feb, 2014.
- Presented a paper entitled **Barrier free environment- not the need but right of disabled person** in National Conference on Differently abled person in India: Reality and Challenges organized by Center for the study of social exclusion and inclusion Policy, BBAU, Lucknow, 10th-11th March, 2014.
- Presented a paper entitled **Water, water pollution and quality of water: an issue of concern** in National Conference on

Environmental technology and sustainable development: Challenges and Demand organized by Dept of Environmental Sciences, BBAU, Lucknow, 21-23rd March, 2014.

- Presented a paper entitled **Empowerment of Youth through Education** in National Seminar on Empowerment of youth: issues and challenges organized by Dept. of Home Science, Netaji Subhash Chandra Bose Girls P.G. College, Aliganj, Lucknow, 8th-9th Feb. 2014.
- Presented a paper entitled **Elderly women and abuse: an issue of concern** in National Conference on Women empowerment towards gender equality organized by Dept of English, Geography Home Science, KMGUAF University, Lucknow, 5-7 March, 2014
- Participated in First lucknow science congress (LUSCON-2013) "on innovations in science for better tomorrow" from 20-21 march 2013
- Participated in a Workshop on "placement and employment prospects in indian patent offices and hands on training for patenting the research work" on 18th march 2013.
- Participated in First lucknow social science 'congress (LUCSOC 2013)" Social Science: Past Experiences And Future Challenges
- Presented a paper on crimes against women and societal ills: an overview in a National Workshop on " crime against women: legal issues" organised by KMGUAF University, Lucknow, 7 March, 2013

Dr. (Mrs.) Shalini Agarwal

1. Singh A and **Agarwal S** (2014) Awareness among Urban Women about Tests Conducted During Pregnancy Period. *International J of Health Science and Research* 4(7):186-191.
2. Gupta Sand **Agarwal S** (2014). Curiosity among Normal and Disabled Children. *European Academic Research*. 2(4). 5002-5013.
3. Yadav S and **Agarwal S** (2014). Loneliness among Elderly Having Psychological Disorders. *International J of Health Science and Research*; 4(7):193-196.
4. Arfi Nand **Agarwal S** (2014). A study on level of knowledge regarding cybercrime among elderly residing in homes and old age homes. *International journal for research in applied science and engineering technology (IJRASET)*; 2(7):30-34.
5. Gupta Sand **Agarwal S** (2014). Assessment of Curiosity Level of Disabled Children. *International Journal of Science and Research (IJSR)* .3(6);1721-1725.
6. Pandey S and **Agarwal S.** (2014). Dyscalculia: A Specific Learning Disability Among Children. *Scientific and Technical Information Processing*; 2(4): 912-918.
7. Arfi N. and **Agarwal S.** (2014). Awareness Regarding Work Simplification among Working and Non-Working Home Maker: A Comparative Study. *European academic research*; 2(1).
8. Arfi N and **Agarwal S** (2014) knowledge of cybercrime among elderly across gender. *International journal for advance research in engineering and technology*. 2(2):7-9.
9. Rai A and **Agarwal S** (2014) Physical stress among school going children due to heavy backpacks. *International Journal of Emerging Trends in Engineering and Development.*; 4(3):500-507.
10. Arfi N and **Agarwal S** (2014) a study on awareness regarding work simplification among home maker across income group international journal of multidisciplinary educational research. 01/2014; 3(4(1)): 271-275.
11. Srivastava N and **Agarwal S.** (2014) Loneliness among Young Adults: A Comparative Study. *European Academic Research*; 2(3). 4351-4353.
12. Tiwari A and **Agarwal, S** (2014) Postural Discomfort among Workers Working in Unorganized Sector (Potters) International Journal of Science and Research. 3(6); 873-875.
13. Arfi N and **Agarwal S.** (2014). Narcolepsy among Adults: A Descriptive Study. *Journal Of Humanities And Social Science (IOSR-JHSS)*; 10(10) ,01-07.
14. Sachan R. and **Agarwal S.** (2013). Electronic Waste: Environmental health problems in India. *Indian Streams Research Journal*. Vol. 3(7) : 1-4.

15. Rai A. and **Agarwal S. (2013)**. Postural effect of backpacks on school children: its consequences on their body posture. *International Journal of Health Sciences*. Vol. 3(10): 109-116.
16. Devi S. and **Agarwal S. (2013)**. Curiosity among children of primary section across gender. *AnusandhanAnveshika*. Vol. 3: 53-57.
17. Rai A. and **Agarwal S. (2013)**. Back problems Due to heavy Backpack in school Children. *Journal of Humanities and Social Sciences*. Vol.10(10): 1-5.
18. Devi S. and **Agarwal S. (2013)**. Curiosity among children of primary section studying in Hindi and English medium schools. *Asian J. of Home Science*. Vol.8(1): 76-78.
19. Singh G. and **Agarwal S. (2013)**. A comparative study on attitude of adolescent and adults towards yoga. *Asian J of Home Science*. Vol. 8(1):324-326.
20. Kumari B. and **Agarwal S. (2013)**. A study on sibling relationship in adulthood across gender. *Advance research J. of Social Science*. Vol. 4(1).84-87.
21. Bharti S. and **Agarwal S. (2013)**. A study on personality assessment of adolescent studying in uni- education and co-education. *Advance Research J. Social Science*. Vol. 4(1):106-108.
22. Srivastava N. and **Agarwal S. (2013)**. Gender differences in stress among young adults. *Advance Research J. Social Science*. Vol. 4(1): 132-134.
23. Pandey S. and **Agarwal S. (2013)**. Transition to Adulthood for Youth with Disability: Issues for the Disabled Child and Family. *Journal of Humanities And Social Science (IOSR-JHSS)*. Vol 17(3):41-45.
24. Arfi N and **Agarwal S. (2013)**. Assessment of types of cybercrime faced by elderly across residence. *The International J of Engineering and Sciences*. Vol. 2(6): 1-3.
25. Sachan R. and **Agarwal S. (2013)**. Electronic Waste: Environmental health problems in India. *Indian Streams Research Journal*. Vol. 3(7) : 1-4.
26. Rai A. and **Agarwal S. (2013)**. Postural effect of backpacks on school children: its consequences on their body posture. *International Journal of Health Sciences*. Vol. 3(10):
27. Devi S. and **Agarwal S. (2013)**. Curiosity among children of primary section across gender. *AnusandhanAnveshika*. Vol. 3: 53-57.
28. Devi S. and **Agarwal S. (2013)**. Curiosity among children of primary section studying in Hindi and English medium schools. *Asian J. of Home Science*. Vol.8(1): 76-78.
29. Singh G. and **Agarwal S. (2013)**. A comparative study on attitude of adolescent and adults towards yoga. *Asian J of Home Science*. Vol. 8(1):324-326.
30. Kumari B. and **Agarwal S. (2013)**. A study on sibling relationship in adulthood across gender. *Advance research J. of Social Science*. Vol. 4(1).84-87.
31. Bharti S. and **Agarwal S. (2013)**. A study on personality assessment of adolescent studying in uni- education and co-education. *Advance Research J. Social Science*. Vol. 4(1):106-108.
32. Srivastava N. and **Agarwal S. (2013)**. Gender differences in stress among young adults. *Advance Research J. Social Science*. Vol. 4(1): 132-134.
33. Pandey S. and **Agarwal S. (2013)**. Transition to Adulthood for Youth with Disability: Issues for the Disabled Child and Family. *Journal of Humanities and Social Science (IOSR-JHSS)*. 17(3):41-45.

Number of papers presented at Conferences

- Presented a paper entitled **Role of women in bringing scientific revolution in society** in National Conference on Leveraging Science and Innovation for Development organized by II ndLucknow Science Congress, BBAU, Lucknow 27-28 March, 2014.
- Presented a paper entitled **Knowledge of Cybercrime among Elderly Across Gender** in International Conference on Scientific and Technological Advancements: Social Issues and Health Concerns and Gender organized by SHS, BBAU Lucknow, 18-19th Feb, 2014.
- Presented a paper entitled **Barrier free environment- not the need but right of disabled person** in National Conference on Differently abled person in India: Reality and Challenges organized by Center for the study of social exclusion and inclusion

Policy, BBAU, Lucknow, 10th-11th March, 2014.

- Presented a paper entitled **Water, water pollution and quality of water: an issue of concern** in National Conference on Environmental technology and sustainable development: Challenges and Demand organized by Dept of Environmental Sciences, BBAU, Lucknow, 21-23rd March, 2014.
- Presented a paper entitled **Empowerment of Youth through Education** in National Seminar on Empowerment of youth: issues and challenges organized by Dept. of Home Science, NetajiSubhash Chandra Bose Girls P.G. College, Aliganj, Lucknow, 8th-9th Feb. 2014.
- Presented a paper entitled **Elderly women and abuse: an issue of concern** in National Conference on Women empowerment towards gender equality organized by Dept of English, Geography Home Science, KMGUAF University, Lucknow, 5-7 March, 2014.

Dr. (Mrs.) U. V. Kiran

Books Published

- Hand tool ergonomics, ISBN No. 978-3-659-40228-9. LAP LAMBERT ACADEMIC PUBLISHING, Germany, 2013.

Papers published in Journals (National and International):

- Niharika and Kiran, U. V. 2014. **Occupational stress among bank employees.** European Academic Research, 2(4): 5404-5411.
- Devi, K. and Kiran, U. V. 2014. **Work life balance of workers in construction industry.** European Academic Research, 2(4): 4932-4946.
- Niharika and Kiran, U. V. 2014. **Life satisfaction among bank employees.** International Journal of Science and Research. 3(6): 1665-1667.
- Srivastava, S. and Kiran, U. V. 2014. **Occurrence of musculoskeletal problems with special reference to health hazards in taxi drivers.** International Journal of Advanced Scientific and Technical Research, 3(4): 578-584.

- Srivastava, S. and Kiran, U. V. 2014. **Work related musculoskeletal disorder on various body segments in taxi drivers.** International Journal of Science and Research. 3(6): 610-613.
- Singh, B. and Kiran, U.V. 2014. **Recreational activities for senior citizens.** International Journal of Humanities and Social Science. 19(4): 24-30.
- Singh, A. and Kiran, U. V. 2014. **Impact of mother's working status on personality of adolescents.** International Journal of Advanced Scientific Technical Research. 1(4): 86-99.
- Kiran, U. V. 2013. **Design compatibility of hand tools.** Asian Journal of Home Science (An International Refereed Research Journal), 8(1): 259-263.
- Jahan, T. and Kiran, U. V. 2013. **An evaluation of job satisfaction of nurses across working sector.** International Journal of Humanities and Social Science Invention. 2(6): 37-39.
- Singh, B. and Kiran, U. V. 2013. **Psychological well-being during old age.** Advanced Research Journal of Social Science (An International Refereed Research Journal), 4(2): 170-174.
- Mishra, P. and Kiran, U. V. 2013. **Impact of ordinal position on self-concept among adolescents.** Advanced Research Journal of Social Science (An International Refereed Research Journal), 4(1): 35-38.
- Srivastava, S. and Kiran, U. V. 2013. **Assessment of body discomfort among gardeners.** Asian Journal of Home Science (An International Refereed Research Journal), 8(2): 536-538.
- Aadya and Kiran, U. V. 2013. **Occupational stress of women workers in unorganized sector.** International Journal of Scientific and Engineering Research, 4(3):3-13
- Singh, B. and Kiran, U. V. 2013. **Loneliness among elderly women.** International Journal of Humanities and Social Science Invention. 2(2): 10-14.
- Dwivedi, P. and Kiran, U. V. 2013. **Occupational health hazards among farm women.** International Journal of Humanities and Social Science. 2 (7): 8-10.

- Devi, K. and Kiran, U. V. 2013. **Status of female workers in construction industry in India : A review.** International Journal of Humanities and Social Science. 14(4): 27-30.
- Mishra, S. and Kiran, U. V. 2013. **Posture discomfort due to laptop among college going students.** International Journal of Humanities and Social Science Invention. 2(6): 14-16.
- Shukla, P. and Kiran, U. V. 2013. **Subjective happiness among the elderly across various groups.** International Journal of Humanities and Social Science. 13(6): 46-49.
- Singh, S and Kiran, U. V. 2013. **Body discomfort analysis among child labour working in various unorganized sectors.** International Journal of Humanities and Social Science Invention, 2(6): 20-13.

Conferences/Seminars/Workshops Participated/ presented papers:

- Participated in a 2nd Lucknow Social Science Congress (LUSCON) conference entitled **"Leveraging Science and Innovation for Development"** organized by Babasaheb Bhimrao Ambedkar University, Lucknow on 27th - 28th March 2014.
- Participated in a national workshop entitled **"Innovation and Technology Transfer to Industries: Role of Universities"** organized by Centre for industry Institute Partnership programme, Babasaheb Bhimrao Ambedkar University, Lucknow on 10th and 11th March, 2014.
- Presented a paper entitled **"Occupational Stress among Children of Unorganized sectors"** in a national seminar on **"Women Empowerment Towards Gender Equality"** organized by Khwaja Moinuddin Chishti Urdu, Arbi-Farsi University, Lucknow on 5th - 7th March, 2014.
- Presented a paper entitled **"Personality among School Going and Non School Going Adolescents"** in an International Conference entitled **"Scientific and Technological Advancements: Social Issues and Health Concerns"** organized by School of Home Science, Babasaheb Bhimrao Ambedkar University, Lucknow on 18th - 19th February, 2014.
- Participated in a national seminar entitled **"Empowerment of Youth: Issues and Challenges"** organized by Department of Home Science, Netaji Subhash Chandra Bose Government Girls PG College, Aliganj, Lucknow on 8th-9th February, 2014.
- Participated in a national workshop entitled **"How to Write Research Paper/ Article/ Conceptual Paper/Book review etc."** organized by Gautam Buddha Degree College, Gauri Road, Bijnaur, Lucknow on 27th October, 2013.
- Participated in symposium entitled **"Buildings an Ecologically Sustainable Society"** Babasaheb Bhimrao Ambedkar University, Lucknow on 16th August, 2013.
- Participated in a national seminar entitled **"Environment, Education & Society"** organized by Department of Environmental Science, Babasaheb Bhimrao Ambedkar University, Lucknow on 5th June, 2013.
- Participated in a workshop entitled **"Placement and Employment Prospects in Indian Patent Offices and hands on Training for Patenting the Research Work"** organized by University Placement Cell and Information & Guidance Bureau, Babasaheb Bhimrao Ambedkar University, Lucknow on 18th March 2013.
- Participated in a 1st Lucknow Social Science Congress (LUSCON) conference entitled **"Social Sciences: Past Experiences and Future Challenges"** organized by School for Ambedkar Studies, Babasaheb Bhimrao Ambedkar University, Lucknow on 14th-15th March 2013.
- Participated in a national workshop entitled **"Crime Against Women: Legal Issues"** organized by School for Home Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow on 7th March 2013.

Lectures Delivered:

- Invited for a talk in a national seminar entitled **"Awareness among the Women regarding their Rights and Duties"** organized by Committee of Basic Facilities for Women, Babasaheb Bhimrao Ambedkar University, Lucknow on 14th March, 2014.



SCHOOL FOR INFORMATION SCIENCE AND TECHNOLOGY

The School for Information Science and Technology was started since inception of the university. It is an important interdisciplinary faculty in the University, aims at developing as a centre of excellence, especially in the present day information age. The school is dedicated to studies and research on the state of the art in the areas of Library & Information Science, Computer Science, Information Technology and Mass Communication & Journalism. Information Technology is gaining importance as a key resource for the economic, social, cultural and political development of a nation. In a fast developing country like ours availability of right information at the right time and at the right cost becomes very essential. In a nutshell, India needs to pay much more attention to the information sector, if it wants to achieve efficiency and effectiveness while utilizing its vast resources. Presently, the School for Information Science & Technology has four departments i.e., Department of Library and Information Science, Department of Computer Science, Department of Information Technology, Department of Mass Communication and Journalism. All the four departments are running Post Graduation courses at the Masters level and Ph.D. programmes.

The details of the courses are

DLIS	DCS	DIT	DMCJ
2 Years MLISc 1 Year M.Phil	3 Years MCA (Comp. Sc.) 3 Years MCA (Corporate)	2 Years M.Sc. (I.T.) 2 Years M.Sc. (Information Security)	2 Years MCJ 1 Year M.Phil 1 Year P.G. Diploma (Video Production)
Minimum 2 Years Ph.D.	Minimum 2 Years Ph.D.	Minimum 2 Years Ph.D.	Minimum 2 Years Ph.D.

Students in these schools are motivated to field visits and educational tours which makes them acquainted with the practical problems by observing them. Students of the school are made to attend conferences at both National and International level and give seminars on a regular basis.

This school is acting as a visionary response to the rapidly growing need in every field for the development of leadership especially in the field of Information Sciences and its related technologies. The school with its collaborative efforts in both education and research are producing new knowledge leading to advances in technology and thus helps in our understanding of the way IT is shaping our lives. Pass out students of this school are in high demand across a spectrum of fields. Our renowned faculty, a diverse group of thought, leads in numerous fields including Computer Science, Information Technology, Library & Information Science and Mass Communication & Journalism. Through their sustained efforts and expertise our faculty are jointly helping to guide and direct the course of development of the students in the fields of Information Science & Technology and thus involved in shaping the leaders of tomorrow.

I. DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science is Functioning in the University since 1997 with main objective to providing the up-to-date knowledge of the core field of computer science to the students through effective teaching programs thereby enabling students to enhance their knowledge and get employed in leading corporate and IT sectors to serve the country to bridge the digital divide. Presently the department is offering three years full time Course of Master in Computer Applications, MCA

Corporate and Ph.D. programmes in Computer Science. A number of academic and cultural activities are regularly conducted in the department which includes Seminars and presentations, Invited talks, discussions etc. to familiarize students with latest developments and improve their skills. In the year 2009, a Students Branch of Computer Society of India (CSI) was established in the department to provide a platform to our students for organizing various activities.

The faculty members are engaged in various research and development related activities of the department and university apart from teaching and guiding students. A UGC funded research project has been completed in the department and another one is ongoing. At present the department has one state-of-the-art Computer Laboratory fully equipped with latest i7 Computer Systems well connected through LAN and wi-fi. The department has Laser Printers, DeskJet Colour Printers and Scanners, Multimedia LCD Projector, Overhead Projector (OHP) and other peripherals. The department has internet facility for its students and research scholars through National Knowledge Network (NKN)

Computer Applications, USA, Vol. 73 (20), 23-25 July (2013).

2. Zaidi Taskeen and Saxena, Vipin, "Performance Evaluation of Superscalar Pipeline Architecture through UML", Accepted for Publication in BVICAM's International Journal of Information Technology, INDIA Vol.5 (1), 15-20 June 2013.
3. Zaidi, Taskeen, and Saxena, Vipin, "Modeling and Validation of Object-Oriented Test Cases through Finite State Machine", International Journal of Computer Applications, USA, Vol. 73 (2), 44-47 July (2013).

A. Faculty Details

Sl.No	Name	Designation	Qualification	Area of Specialization
1.	Dr. Vipin Saxena	Professor	M.Sc. (Appl. Mathematics), M.C.A., M.B.A., M.Phil. (Computer Applications) & Ph.D.	Scientific Computing & Software Engineering
2.	Dr. Sanjay Kumar Dwivedi	Associate Professor & Head	M.C.A., Ph.D.(Computer Science)	Web Mining, Artificial Intelligence, Operating System & Word Sense Disambiguation
3.	Dr. Deepa Raj	Assistant Professor	M.sc.(Computer Science), Ph.D.	Software Engineering, Computer Graphics & Image Processing
4.	Dr. Manoj Kumar	Assistant Professor	M.C.A., Ph.D.(IITR)	Image Processing, Computer Vision and Graphics
5.	Dr. Narander Kumar	Assistant Professor	M.C.A., Ph.D. (CS & IT)	Cloud Computing and Resource Management

B. Departmental Level Academic Activities

A number of invited talks have been organized in the department, and an international Conference has been organized in the department. Two MCA Students have cleared UGC NET Exam in 2013 and two other MCA students have qualified the Gate-2013. Student's activities at various levels are regularly organized in the department.

4. Zaidi Taskeen and Saxena, Vipin, Modeling and Validation of Execution of Tasks on High Speed Network under Distributed Environment, ACM SIGSOFT Software Engineering Notes, New York, USA, Vol. 38(3), pp 1-6, <http://doi.acm.org/10.1145/2464526.2464540>, May (2013).
5. Zaidi, Taskeen, Singh Anupurna, and Saxena, Vipin, "Modeling and OLAP cubes for Ground and Municipal Water Supply", International Journal of Computational Water, Energy and Environmental Engineering, USA, Vol. 2(3), pp 1-8, May (2013).
6. Narander Kumar, Shalini Agarwal and Saxena, Vipin, "Overload Avoidance Model using Optimal Placement of Virtual Machines in Cloud Data Centres", International Journal of Computer Applications, USA, ISSN: 0123-4560, pp. 18-25, Volume 73(11) July (2013).

C. Academic Activities of the Faculty

C.1 Papers/ Articles in Journal(s) (Published and Accepted)

Prof. Vipin Saxena

International & National Journals

1. Zaidi, Taskeen and Saxena, Vipin, "A UML Framework for Town and Country Planning" International Journal of

7. Narander Kumar, Vishal Verma and Vipin Saxena "Cluster Analysis in Data Mining Using K-Means Method", International Journal of Computer Applications, USA, ISSN: 0123-4560, Vol. 76(12), August (2013).
 8. Narander Kumar, Vishal Verma and Vipin Saxena "Implementation of Tangent and Cotangent rules to Provide Security in E-communication", International Journal of Computer Applications, USA, ISSN: 0123-4560, pp. 11-14, Vol. 79(14), October (2013).
 9. Narander Kumar, Vishal Verma and Vipin Saxena "A Security Algorithm for On-Line Analytical Processing Data Cube", International Journal of Computer Applications, USA, ISSN: 0123-4560, pp 7-10, Volume 79(14), October (2013).
 10. Narander Kumar, Shalini Agarwal, Zaidi, Taskeen and Saxena, Vipin, "A Distributed Load Balancing Scheme Based On Complex Network Model of Cloud Servers", ACM SIGSOFT (ISSN No.: 0163-5948), USA, Accepted for Publication, to be Appear in September (2014).
 11. Saxena, Vipin, Zaidi, Taskeen and Sudhir Kumar Singh, "Reducing the Impurity of Object-Oriented Database Through Gini Index", Asian Journal of Information Technology, Medwell Journal, Communicated for Publication, (2014).
5. Ashish Kr., Sanjay K. Dwivedi, CK Jha, "Designing A Logical Security Framework For E-Commerce System Based on SOA", International Journal of Soft Computing, Vol.5 No.2, pp1-10, 2014 (DBLP)
 6. Ashish Kr., Sanjay K. Dwivedi, CK Jha, "Designing and implementing the logical security framework for e-commerce based on service oriented architecture", International Journal of Advanced Information Technology (IJAIT), Vol. 4, No. 3, June 2014, pp25-34, 2014 (DBLP)
 7. Sanjay K. Dwivedi, Pramod P. Sukhdeve, "Translation Rules for English to Hindi Machine Translation System: Homoeopathy domain", International Arab Journal of Information Technology, (IF.39) (accepted) [ISSN2309-4524]
 8. Sanjay K Dwivedi, Ajay Bharati, "Foresight Based Model for Public Transportation in e-governance", International Journal of Strategic Information Technology and Applications, IGI, Global, USA, 2014 (in press)

Dr. S.K Dwivedi

International & National Journals

1. Sanjay K. Dwivedi, Anand Kumar, "Development of University Ontology for aSPOCMS", International Journal Emerging Technologies in Web Intelligence Academy Publisher, USA, Vol. 5 No.3, pp213-221, 2013
2. JN Singh, Sanjay K. Dwivedi, "Performance Evaluation of Search Engines Using Enhanced Vector Space Model", Journal of Computer science, Science Publications, USA, Vo.3, Issue 2, pp27-34, 2014
3. JN Singh, Sanjay K. Dwivedi, "Comparative Analysis of IDF Methods to Determine Word Relevance in Web Document", International Journal of Computer Science Issues, Vol.11, Issue 1, pp59-65, Jan., 2014 [ISSN1694-0784]
4. Ajay Bharti, Sanjay K. Dwivedi, "Process Mapping for Service Delivery through NSDG in Public Transportation in India", Journal of Computer science, Science Publications, USA, Vol. 10, Issue 11, pp1955-1956 [ISSN 1549-3636]

Dr Deepa Raj

International & National Journals

1. Dr. Deepa Raj, "Modeling for watermarking in image file using transformation" method in online journal IJARCS in August 2013
2. Dr. Deepa Raj, "Modeling image compression and decompression technique using Huffman coding", in online journal IJCMS in Feb 2014
3. Dr Deepa Raj and Seema Gupta, performance of lossless compression techniques: Comparative study of Lossless image compression Huffman and LZ Technique in the International journal of information and computation Technology, in March 2014.

Dr Manoj Kumar

International & National Journals

1. Gaurav Gupta, Manoj Kumar, "An Iterative Marching with Correctness Criterion

Algorithm for Shape from Shading Under Oblique Light Source" Book chapter in Springer series, Advances in Intelligent Systems and Computing Volume 236, , pp 535-546, Feb 2014 through SocProS 2012.

Dr Narander Kumar

International & National Journals

1. **Narander Kumar**, Priyanka Chaudhry, "Minimize Cyber Losses in Cyber World through the Optimization Technique", International Journal of Computer Applications Vol. 96, Number 20, pp:18-22, June 2014. Published by Foundation of Computer Science, New York, USA. ISSN 0975-8887.
2. **Narander Kumar**, Shalini Agarwal and Vipin Saxena, "LP based Adaptive Resource Management Framework in Cloud Environment", Published in International Journal of Computational Engineering & Management, Vol. 17 Issue 1, pp 16-28, January 2014. ISSN 2230-7893.
3. **Narander Kumar**, Shalini Agarwal and Vipin Saxena, "Overload Avoidance Model using Optimal Placement of Virtual Machines in Cloud Data Centres", International Journal of Computer Applications, 73(11):18-25, July 2013. Published by Foundation of Computer Science, New York, USA. ISSN 0975-8887.
4. **Narander Kumar**, Vishal Verma and Vipin Saxena, "Cluster Analysis in Data Mining using K-Means Method", International Journal of Computer Applications, Vol. 76, Number 12, pp:11-14, August 2013. Published by Foundation of Computer Science, New York, USA. ISSN 0975-8887.
5. **Narander Kumar**, Vishal Verma and Vipin Saxena, "Implementation of Tangent and Cotangent rules to Provide Security in E-communication", International Journal of Computer Applications Vol. 79, Number 14, pp:11-14, October 2013. Published by Foundation of Computer Science, New York, USA. ISSN 0975-8887.

C.2 Participation in University Statutory Bodies/Other Bodies

Prof. Vipin Saxena

1. Ex- Member of Board of Management of the University;

2. Chariman of Board of Post Graduate Studies of Deptt. of Computer Science, B.B. Ambedkar University, Lucknow;
3. Chairman, Departmental Research Committee of Deptt. of Computer Science, B.B. Ambedkar University, Lucknow;
4. Member of Board of Post Graduate Studies of Institute of Mathematics and Computer Applications, Bundelkhand University Jhansi;
5. Member, Departmental Research Committee of Deptt. of Computer Science, Guru Ghasidas Bilaspur University, Bilaspur;
6. Visiting Professor, **Jayoti Vidyapeeth Women's University, Jaipur** (India)
7. Coordinator, Bachelor of Vocational Studies Programme in B.B. Ambedkar University, Lucknow;
8. Coordinator, Virtual Class/Smart Class Room in B.B. Ambedkar University, Lucknow;
9. Ex-Head, Department of Computer Science, B.B. Ambedkar University, Lucknow;
10. Member, Departmental Research Committee of Deptt. of Computer Science and Engineering, Sri Ram Swaroop Murti University, Lucknow;
11. Member, Departmental Research Committee of Deptt. of Computer Science and Engineering, Amity University, Lucknow;
12. Expert Professor for IGNOU, New Delhi
13. Expert Professor, Bhagwant University Ajmer, Rajasthan;
14. Expert Member of Lucknow University, Lucknow;
15. Expert Member of U.P. Rajshri Tandon Open University, Allahabad;
16. Expert Member of Public Service Commission, Allahabad;

Dr. S.K. Dwivedi

1. Member of Board of Post Graduate Studies of Deptt. of Computer Science, B.B. Ambedkar University, Lucknow;
2. Member, Departmental Research Committee of Deptt. of Computer Science, B.B. Ambedkar University, Lucknow;

3. Visiting Professor, **Jayoti Vidyapeeth Women's University, Jaipur** (India)
4. Adjunct Faculty, Banasthali Vidyapith, Rajasthan
5. Director, Computer Centre, BBAU, Lucknow;
6. Head, Department of Computer Science, B.B. Ambedkar University, Lucknow;
7. Member, Faculty Research Committee, Amity University, Lucknow;
8. Expert Member of Lucknow University, Lucknow;
9. Expert Member of U.P. Rajshri Tandon Open University, Allahabad;
10. Expert Member of Public Service Commission, Allahabad

C.3 Papers/ Articles in Conference(s) (Published and Accepted)

Prof. Vipin Saxena

1. ICT in Higher Education: Need of the Hour, Organized by Information and Guidance Bureau and Department of Library and Information Science, Babasaheb Bhimrao Ambedkar University, Lucknow, 20th Jan., 2014, India (National).
2. 101th Indian Science Congress Organized by the University of Jammu, Jammu, from 3-7, Feb. 2014, India (National)
3. Invited Talk on Modeling and Security Issues for IPV6 under Distributed Computing Environment in the National Conference on Information Security Challenges (NCISC-2014) Organized by Department of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow on 26th March 2014.

Dr. S.K. Dwivedi

1. R Pandey, Sanjay Kr. Dwivedi, Parul Verma, "Univ People Program Ontology: a OWL based structural Definition for Semantic Web", IEEE International Conference on Information and Communication Technologies (ICT 2013), pp770-775, April 2013, **IEEE Xplore** [ISBN: 978-1-4673-5759-3]
2. Anand Kumar, Sanjay K. Dwivedi, "an Agent based Semantic Web Framework for

Developing the Applications" 4th International Conference on recent trends in Information Telecommunication and Computing (ITC2013), Chandigarh, India, Aug. 2013, **IEEE Xplore**

3. Sanjay K. Dwivedi, Pramod P. Sukhdeve, "Comparative Structure of Homoeopathy Language with other Medical Languages in Machine Translation System ", 2nd IEEE International Conference on Advances in Computing Communications and Informatics (ICACCI 2013), Mangalore, pp775-778, Aug. 2013, , **IEEE Xplore** [ISBN:978-1-4673-6217-7]
4. Ashish Luhach, CK Jha, Sanjay K. Dwivedi, "Enterprise Transformation to Service Oriented Architecture from Legacy Applications", 4th IEEE International Conference on Computer and Communication Technology (ICCT 2013), MNNIT, Allahabad, India, pp 39-42, pp39-42, Sept. 2013, , **IEEE Xplore** [ISBN:978-1-4799-1570-5]
5. Sanjay K. Dwivedi, Vaishali Singh, "Research and Reviews in Question Answering System", International Conference on Computational Intelligence : Modeling Techniques and Applications (CIMTA 2013), University of Kalyani (WB), India, Procedia Technology, pp417-424, Sept 2013 (**Elsevier**), [ISSN:2212-0173]
6. Sanjay K. Dwivedi, Vaishali Singh, " State of the Art in Web Crawlers", 7th International Conference on Advance Computing and Communication Technologies, Panipat, pp157-164, Nov. 15, 2013, [ISBN: 978-93-83083-38-1]
7. Sanjay K. Dwivedi, Anand Kumar, "Ontology and Inference Rules for Semantic Web based Applications", International Conference on Knowledge Modelling and Knowledge Management (ICKM'13), Indian Statistical Institute, Bangalore, pp81-89, Nov., 2013 [ISBN: 978-93-5137-765-8]
8. Sanjay K. Dwivedi, Ajay Kumar Bharti, "e-Governance in Public Transportation through PPP- A Vehicle for Development", International Conference on Electrical Electronics and Computer Science (ICEECS), New Delhi, pp115-119, April, 2014 [ISBN978-93-84209-03-2]

- Sanjay K. Dwivedi, Ganesh Chandra, "Cross Lingual Information Retrieval: A Study", National Conference on Information Security Challenges, Lucknow, pp77-79, March 2014 [ISBN978-81-7678-220-3]

Dr. Deepa Raj

- "Comparative study of Huffman coding and adaptive Huffman coding in the national conference of information securities and software engineering organised by Lucknow University 15 March 2014
- "Survey paper of lossless image compression", in national seminar Techno Tryst 2014: Novel paradigm of software Engineering and database Technology organised by Delhi Institute of Advanced Studies New Delhi on 1 March 2014.
- "Performance of lossless compression technique", the international conference on Advanced in computing science, information technique and Emerging E-learning technologies organised by Krishi Sanskriti on 22-23 February 2014 in New Delhi..

Dr. Manoj Kumar

- Manoj Kumar, Manoj Diwakar, "Reconstruction of 3D Shape from CT images using Propagation based shape from Shading Approach", Accepted in 'ICC-2014', (Proceeding to be published by Elsevier) pp. 145-150 June 2014

Dr. Narander Kumar

- Narander Kumar and Shalini Agarwal, "Self Regulatory Graph Based Model for Managing VM Migration in Cloud Data Centers." **Published by IEEE as Chapter in IEEE International Advance Computing Conference (IACC-2014)**, pp- 731-734, February 21 - 22, 2014, Organized by Dept. of Comp. Sc. Engg. and IT, ITM University, Gurgaon, Haryana, India. ISBN 978-1-4799-2571-1

C.4 Lectures Delivered

Prof. Vipin Saxena

- Invited Talk on "Modeling and Security Issues for IPV6 under Distributed Computing Environment" in the National Conference on Information Security

Challenges (NCISC-2014) Organized by Department of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow on 28th March 2014.

Dr. S.K. Dwivedi

- Invited as resource person to deliver a talk on "Performance Evaluation of Search Engines: Issues and Challenges", in the National Conference on Information Security Challenges, Department of Information Technology, Babasaheb Bhimrao Ambedkar University, Lucknow March 28, 2014
- Invited to deliver a talk on "Search Engine Evaluation" at GBPEC, Pauri Garhwal, April April 2014

Dr. Manoj Kumar

- Invited to deliver a talk on "Computed Tomography: A 3D reconstruction Approach" at AMBIE 2014, IIIT Allahabad.
- Invited to deliver a talk on "Computer Vision: A Shape from Shading Approach" at Govind Ballabh Pant Engineering college, Pauri, Garhwal, Uttarakhand.

C.5 Journal Editorship/Memberships

Prof. Vipin Saxena

- Lifetime Membership of Indian Science Congress, India;
- Annual Membership of ACM Digital Library;
- Lifetime Membership of Harishankar Foundation of Science, India
- Lifetime Membership of IACST;
- Lifetime Membership of Association of Engineers, New Delhi;
- Reviewer of Elsevier Sound and Vibration Journal
- Lifetime Membership of DOEACC Society, New Delhi;

Dr. S.K Dwivedi

- Technical Committee member of International Arab Journal of e-Technology
- Editorial Board Member of International Journal of Web & Semantic Technology (IJWesT)

3. Technical Program Committee Member of International Conference on Information System & Computer Network (ISCON), March 2014, Mathura
4. **Program Committee Member of 3rd International Conference on Information Technology Convergence and Services (ITCS 2014) Zurich, Switzerland, Jan. 2014** (www.aiircj.org/2013/icts)
5. Advisory Committee Member of National Conference on Information Security Challenges, BBAU, Lucknow, March 2014
6. **Advisory/TPC member of IEEE International Conference on Signal Propagation and Computer Technology (ICSPCT), 2014, Ajmer India** (www.icspct2014.in/advisorycommittee.html)
7. Member of CSI
8. Reviewer of InderScience journal

C.6 Research Projects/Consultancy/Coordination

Dr. Manoj Kumar

Project (Major)- sanctioned Rs. 06 Lakhs, Status- almost completed October 2014 through agency- UGC, topic- "3D Reconstruction using tomography and Shape from-X Techniques".

C.7 Membership in Various Government and Other Bodies

Dr. S.K. Dwivedi

1. Expert member of NIELIT, DOE, New Delhi.
2. Member, Computer Society of India

C.8 Awards

C.9 Session Chaired at Seminars/Conferences/ Workshops

Prof. Vipin Saxena

1. ICT in Higher Education:Need of the Hour, Organized by Information and Guidance Bureau and Department of Library and Information Science, Babasaheb Bhimrao Ambedkar University, Lucknow, 20th Jan., 2014, India (National)
2. 101th Indian Science Congress Organized by the University of Jammu, Jammu, from 3-7, Feb. 2014, India (National).

Dr. S.K. Dwivedi

1. Chaired three sessions at 4th ITC International Conference (IEEE), Chandigarh, Aug, 2013
2. Invited to chair one session at International Conference on Computational Intelligence:Modeling Techniques & Applications, ELSEVIER, (CIMTA2013), University of Kalyani, WB, September, 28, 2013
3. Rapportier in North Zone V.C. Meet, at BBA University, Nov. 2013
4. Chaired one session in National Conference on Security, organised by Dept. of IT, BBA University, Lucknow, March 2014

C.9.1. Attended Seminars/Conferences/Workshops

Dr. S.K.Dwivedi

1. 4th International Conference on Recent Trends in Information Telecomm-unication and Computing (ITC), Chandigarh, Aug. 1-2, 2013
2. International Conference on Computational Intelligence: Modelling Techniques & Applications (CIMTA2013), Kalyani, W.B., September 28, 2013
3. International Conference on Knowledge Modelling and Knowledge Management (ICKM'13), Indian Statistical Institute, Bangalore, Nov. 2013
4. Second Lucknow Science Congress (LUSCON-2014), BBAU, Lucknow
5. National Conference on Information Security Challenges, Dept. of IT, BBAU, Lucknow, March 2014
6. International Conference on Electrical Electronics and Computer Science (ICEECS), New Delhi, April, 2014

Dr. Deepa Raj

4. "Comparative study of Huffman coding and adaptive huffman coding in the national conference of information securities and software engineering organised by Lucknow University 15 march 2014
5. "Survey paper of lossless image compression", in national seminar Techno Tryst 2014: Novel paradigm of software

Engineering and database Technology organised by Delhi Institute of Advanced Studies new delhi on 1 march 2014

6. National Seminar attended on "Environmental Pollution: Problems & Perspectives" 19-20 January, 2014 Department of Law.
7. "Performance of lossless compression technique", the international conference on Advanced in computing science, information technique and Emerging E-learning technologies organised by Krishi sanskriti on 22-23 february 2014.

Dr. Manoj Kumar

1. Conference on Applied Statics and It's Application 2013 (CASA 2013), March 16-17 2013, B.B.A.U., Lucknow, Acted as Member, Organizing Committee.
2. National Conference on Information Security Challenges (NCISC-2014), 28 March 2014, B.B.A.U., Lucknow.
3. Placement and Employment Prospects in Indian Patent offices and Hands on Training for the Patenting the Research work, 18-March, 2013, B.B.A.U., Lucknow.
4. Workshop on Advance Materials and

Instrumentation in Bio-Medical Engineering (AMIBE 2014), held at IIIT Allahabad (delivered an Invited talk on Computed Tomography)

5. International Conference on Communication and Computing (ICC-2014) held at Alpha college of Engineering Banglore, June 12-14, 2014
6. National Conference on Security, organised by Dept. of IT, BBA University, Lucknow, March 2014

Dr Narander Kumar

1. Narander Kumar, Faculty Development Programme, **Attended**, Organized by MJP Rohilkhand University, Bareilly in collaboration with National Institute of Electronics and Information Technology, Gorakhpur. (Ministry of Communication and IT, Government of India, New Delhi) 04-08 Feb 2014.
2. Narander Kumar, "ICT IN Higher Education: Need of the Hour" **Participated** in National Seminar, Organised by Information & Guidance Bureau & DLIS at Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, UP, India 20th June 2014

C.10. Ph.D. Submitted

Prof. Vipin Vaxena

Sl. No.	Name of the Candidate	Subject	Title of Thesis	Status	Notification Number
1	Ajay Pratap	Computer Science	Performance Estimation of Object Oriented Database Systems Through UML	Awarded in 2013	152/COE/BBAU/2013 Dated:24/09/2013 Babasaheb Bhimrao Ambedkar University, Lucknow
2	Vishal Verma	Computer Science	Data Mining Applications Through UML	Submitted in 2013	-
3	Santosh Kumar	Computer Science	UML Modeling of Object Oriented System for Handheld Devices	Awarded in 2013	105/COE/BBAU/2013 Dated: 27/08/2013 Babasaheb Bhimrao Ambedkar University, Lucknow
4	Nimesh Mishra	Computer Science	Performance Estimation of Distributed Computer Network Through UML	Awarded in 2014	262/COE/BBAU/2014 Dated:25/02/2014 Babasaheb Bhimrao Ambedkar University, Lucknow
5	Taskeen Zaidi	Computer Science	UML Modeling for Distributed Computing Syst-ems	Awarded in 2014	261/COE/BBAU/2014 Dated:25/02/2014 Babasaheb Bhimrao Ambedkar University, Lucknow

Dr. S.K.Dwivedi

Sl. No.	Name of the Candidate	Subject	Title of Thesis	Status	Notification Number
1	Rajesh Kumar	Computer Science	Performance Evaluation of Search Engines using User Efforts Measures for W3 Environmen	Awarded in 2013	–
2	Anand Kumar	Computer Science	An Agent Based Semantic Web for Paperless Office Content Management system (aSPOCMS)	Awarded in 2013	–
3	Ajay Kumar Bharti	Computer Science	Systematic Study, Analysis and Design of e-Governance Model for Public Transportation in India	Awarded in 2014	–
4	Jiendra Nath Singh	Computer Science	Performance Evaluation of Search Engines using Vector Space Model	Submitted in Jan., 2014	–
5	Pramood P. Sukhadeve	Computer Science	English to Hindi Machine Translation for Homoeopathy domain	Submitted in April, 2014	–

Dr Narander Kumar

Sl. No.	Name of the Candidate	Subject	Title of Thesis	Status	Notification Number
1.	Vishal Verma	Computer Science	Data Mining Applications Through UML	Submitted in 2013	-

C.11 Event Organized**Prof. Vipin Saxena**

International Conference on Modeling and Computing-2014 (Chairperson)

Dr. S.K.Dwivedi

International Conference on Modeling and Computing-2014 (Technical Convener)

Dr. Deepa Raj

International Conference on Modeling and Computing-2014 (Joint Secretary)

Dr. Manoj Kumar

International Conference on Modeling and Computing-2014 (Organizing Secretary)

Dr. Narander Kumar

International Conference on Modeling and Computing-2014 (Joint Secretary)

C.12 Refresh Course Attended**Dr. Deepa Raj**

Refresher Course attended from Lucknow University, February 2014.

II. DEPARTMENT OF INFORMATION TECHNOLOGY**Brief introduction of the Department**

The Department of Information Technology (DIT) established in the year 2006-2007. The Department offers 2 years (4 semesters) M. Sc. course in Information Technology. It is developed to assist and encourage graduate to build on their under graduate knowledge in Information Technology. The Department also offers PhD programme in Information Technology. The Department has established a Computing Lab. An Internet facility is also available. Recently, Department has procured Wireless Access Points and Wireless PCI cards in order to make the Department fully Wi-Fi.

The final semester students are motivated to develop real time projects in reputed organizations. Seminars and Group Discussions are a regular feature of DIT. Course curriculum of M. Sc. (IT) has been prepared on consultation with the industry professional and practitioners. We are planning to modify/update course curriculum regularly in consultation with the experts to abrupt our students with the latest development in the area of Information Technology. The Department has well qualified faculty members having live interaction and collaboration with other National and International institutions. They all are actively engaged in R&D activities. The faculty members

have published number of articles in National and International Journals and Proceedings. Most of the faculty members are the member of various bodies/association of their area of expertise.

Department has executed a UGC funded Major Research Project entitled “Quantifying Security in Early Stage of Development Life Cycle - An Object-Oriented Software Perspective” by Dr. R. A. Khan (PI). Department has another major research project entitled “Symptoms and Sensations Due to Cellular Telephone Uses among the Urban and Rural Population of Uttar Pradesh: A risk assessment” funded by UPCST, Uttar Pradesh under the **Young Scientist** Scheme. Dr. R. A. Khan was PI of this project. Recently Department has been sanctioned a Research Project entitled “Integration Analysis and Implementation of Prosodic & MFCC features for Automatic Speaker Recognition System using GMM” funded by UPCST under the supervision of Dr. R. A. Khan, Head of the Department.

The Department aims to promote modern area of Information Technology to the highest level of excellence. The environment in the Department is highly conducive for building of solid foundation of knowledge, hands-on experience, development of personality, creativity and motivation to keep students and faculty members abreast with the latest development in the field of IT. In addition to the academic development, proper attention is also given towards the personal development of students in co-curricular activities. In the Department currently 5 Ph. D. scholars are working in the various field of software engineering. Out of which, three of them have given their pre-Ph.D. seminar. In a very short span of time the DIT has carved a niche for itself among the reputed institutions of the country imparting quality IT education.

Evolution

Teaching- Major Focus of the department has been on imparting knowledge and developing skills related to the Information Technology. Case method of teaching is used to supplement the lectures delivered by the faculty to the students of Information Technology. The students are exposed to industry through industrial visit, summer training and project work.

Research- Heavy emphasis is laid on fundamental and applied research in different areas of Information Technology. The

Department has been undertaking major as well as minor research project sponsored by various funding body (like UGC, UPCST etc...) at state as well as national level.

Objectives of the Department

The main objectives of the Department are:

- To provide professional education and training to all students, irrespective of caste, creed, religion, province, faith, sex, political affiliation and financial status.
- To develop knowledge and skills to the student through teaching, training and research in the field of Information Technology.
- To enhance and refine skills of executive through training and solve the problem of public and business organisation through consultancy.
- To develop close relationship with software industries for providing practical exposure to the student through summer training, seminar, workshops and special lecture.
- To conduct and encourage research in all area of information technology and computer applications.

Infrastructural facilities in the Department

The Department is equipped with a computing lab of latest configuration PC's , multimedia enhanced classroom, research room and other sitting rooms.

Vision and Mission

Department of Information Technology strive to achieve global identity through its innovative methods and strenuous effort for the betterment of the community and to face the fast changing world of Information Technology. We envision creating global IT professionals who inspire a vision to set positive paradigm of action and who have the will and the strength to make a small differences to the larger cause of humanity.

We also visualise that Department of Information Technology would in near future be an Institute of Academic Excellence known for its total commitment to superiority in technical education and research with a holistic concern

for quality in life, environment, society and ethics.

The Mission of the Department of Information Technology is to provide quality education by innovating and continuously improving upon the discipline of Information Technology through advance method of training, meaningful research and intimate relations with industry, business and other institutions in the country.

A. Faculty Details

S. No.	Name	Designation	Qualification	Specialization
1	Dr. R. A. Khan	Associate Prof. & Head	MCA. PhD	Software Quality Estimation, Software Testing, Software Security.
2	Mrs. Raj Shree	Asst. Professor	MCA, MTech, UGC-NET Ph.D Pursuing	Mobile Ad hoc Network, Wireless Sensor Network, Routing Security.
3	Mr. Pawan K. Chaurasia	Asst. Professor	MCA, NET	Data Mining, Software Engineering
4	Dr. Dharendra Pandey	Asst. Professor	M.Sc (Comp. Sc.), MPhil, UGC- JRF & NET, PhD	Software Engineering, Requirement Engineering, Data Mining & Warehousing, System Analysis and Development.

B. Department Level Academic Activity

B.1 Seminar, Lectures and other activities during 2013-14

Seminar/Conf/Lecture Organized by Department		Research Paper Presented by Department		Research paper published by Faculty		Book Published by Faculty	
National	International	National	International	National	International	National	International
01	NIL	12	19	NIL	31	NIL	01

Systems and Computing Volume 249, 2014, pp 371-378, ISBN 978-3-319-03095-1, Springer-Verlag Berlin Heidelberg 2014.

2. Software Security Testing Process: Phased Approach, Suhel Ahmad Khan, Raees Ahmad Khan, Intelligent Interactive Technologies and Multimedia Communications in Computer and

Information Science, A. Agrawal et al. (Eds.), Volume 276, 2013, pp 211-217, ISBN 978-3-642-37462-3, Springer-Verlag Berlin Heidelberg 2013.

C. Academic Activities of the Faculty

1. Dr. R. A. Khan (Associate Professor)

C1. Books/Edited Books/Monograph(s)

1. **Software Engineering: A Practitioners Approach, Khan R A, Agrawal A, Narosa Publication, ISBN: 978-81-8487-381-8, http://www.narosa.com/computer_science.asp (Also published by its Int. Associate, Alpha Science, Oxford UK: http://www.alphasci.com/books_display.asp?title=1-84265-909-0)**

C2. Book Chapters

1. Addressing Analyzability in terms of Object Oriented Design Complexity, Suhel Ahmad Khan, Raees Ahmad Khan, ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of Computer Society of India- Vol II Advances in Intelligent

C3. Research Projects

1. Title of Project: Integration, Analysis and Implementation of Prosodic & MFCC Features for Automatic Speaker Recognition System using GMM, Funding Agency: Council of Science & Technology, UP, Total Budget: Rs. 7, 82,000/-, Status: On Going, Duration: 2 Years, Role: Principal Investigator, Execution Date: May 2013.

C4. International Journal

1. A. Agrawal & Khan R. A.(2014): Securo-Phobia: A New Challenge to Usage of Security Technologies, Journal of Software Engineering and Simulation, Quest Journals, Vol. 2, Issue 1, pp: 01-03.
2. Amitabha Yadav and Raees Ahmad Khan (2014): A Statistical Analysis on OO Design-Complexity Perspective, Pensee Journal, Vol. 76, No. 4, April 2014 (IF: .071).

3. Rajeev Kumar, Suhel Ahmad Khan, **Raees Ahmad Khan(2014)**: Software Security Testing A pertinent Framework, **Journal of Global Research in Computer Science**, Volume 5, No. 3, March **2014**, pp:23-27.
4. Rajeev Kumar, Suhel Ahmad Khan, **Raees Ahmad Khan (2014)**: Software Security Durability, **International Journal of Computer Science and Technology IJCST**, ISSN: 0976-8491, Volume 5, Issue. 2, April-June **2014**, pp:23-26.
5. Suhel Ahmad Khan, Khan R A (2014): Security Assessment Framework: Complexity Perspective, Computer Fraud & Security, Elsevier, (to appear).
6. S.W.A. Rizvi, **Khan R A and R. Asthana** (2013): Improving Software Requirements through Formal Methods: A Review, International Journal of Information and Computation Technology, Vol. 3, Number 11, pp. 1217-1224(ISSN: 0974-2239).
7. A. Agrawal & **Khan R. A.**(2013): Software Security Metric Development Framework: An Early Stage Approach, American Journal of Software Engineering and Application, Vol. 2, No. 6, pp. 150-155.
8. A. Yadav, R.A. Khan (2013): Development Of OO Design Metrics-Complexity Perspective, Computech: An International Journal of Computer Sciences Vol. 3, No. 6 pp. 45-55, January 2013(ISSN: 2229-4589)(IF: 1.071).
9. Suhel Ahmad Khan, Khan R A (2013): Security Quantification Model, International Journal of Software Engineering, ISSN: 2090-1801, Volume 6, No 2, July 2013, pp.75-79.
10. S. K. Nayak, Khan R A & M. R. Beg (2013): Empirical Validation of Reliable Requirement Specification Framework, IJCSI International Journal of Computer Science Issues, Vol. 10, Issue 2, No 2, March 2013, pp. 402-406 (Impact Factor=.242).
11. Suhel Ahmad Khan, Khan R A (2013): Software Security Testing Process, International Journal of Advances in Computer Science and its Application IJCSIA-UACEE-2013, ISSN: 2250-3765, Volume 3, Issue 2, June 2013, pp.125-129.
12. Bonthu Kotaiah & Khan R A (2013):

Different Issues in Predicting the Software Reliability, International Journal of Science and Engineering Investigations, Vol. 2, Issue 12, pp. 65-68(ISSN: 2251-8843).

C5. International Conferences

1. Singh, S., **Khan R.A.** (2013): Describing MPLS in an Open Flow Enabled Software Defined Networks, International Conference on Future Trends in Computing and Communication (FTCC - 2013), July 13-14, 2013, held in Bangkok, Thailand, **Seek Digital Library**, (ISBN: 978-981-07-7021-1) Doi :10.3850, pp. 157-160.
2. Nilu Singh, **R.A Khan & Raj Shree (2013)**: Equal Error Rate and Audio digitization and sampling rate for Speaker Recognition System, in International Conference on Nanoscience and nanotechnology (ICNN)-**2013**(Nov. 18-20).

C6. National Conferences

1. Singh, S., **Khan R.A.** (2013): Software Defined Networking, The Advancement of Networking Technology, First Lucknow Science Congress, Lucknow, India, March 20-21, 2013, pp 52-57.
2. Singh, S., **Khan R.A.** (2013): Applicability Of Software Defined Networking In Campus Network, First Lucknow Science Congress (LUSCON-2013), Lucknow, India, March 20-21, 2013, pp 86-93.
3. Singh, S., **Khan R.A.** (2013): Use of Multiprotocol Label Switching with Open Flow Protocol, Conference on Applied Statistics and Its Applications (CASA-2013), Lucknow, India, March 16-17, 2013, pp 65-72.

C7. Ph.D Awarded

Name of the Candidate	Title	Name of the Supervisor
Sandeep Kumar Nayak	A Framework for Reliable Requirement Specification- An Early Stage Defect Mitigation Perspective	Dr. R.A Khan

C8. Event Organized

1. Organized, National Conference On Information Security Challenges (NCISC-2014) on **28th March 2014 as Convener.**

Membership

- Editorial Board of Journal of Information Technology Journal, Journal of Applied Sciences, Journal of Software Engineering, Research Journal of Information Technology, International Journal of Computing Science & Communication Technologies
- Lifetime member of CSI Journal
- Professional member of Journal of ACM
- Member of Developer IQ, Software Technology Magazine
- Reviewer of the Book manuscript, Narosa Publication
- Member of Board of Studies, National PG College, Lucknow
- Member of Departmental Research Committee, Department of Computer Science, Integral University, Lucknow

2. Mrs Raj Shree (Asstistant Professor)

C9. International Journal

1. Kavita Sahu, Raj Shree, Rajeev Kumar, Risk Management Perspective in SDLC, International Journal of Advanced Research in Computer Science and Software Engineering, ISSN/ISBN No- 2277-128X, 2014.
2. Raj Shree, R. A. Khan, Wormhole Attack in Wireless Sensor Network, International Journal of Computer Networks and Communication Security, ISSN/ISBN No-2308-9830, 2014.

C10. International Conferences (Paper/Poster)

1. Poster on Track Down Worm Hole Attack in WSN, International Conference on Nanoscience and Nanotechnology, Department of Physics, BBAU, LKO, 18/11/13 to 20/11/13.
2. Equal Error Rate and Audio digitization and Sampling Rate for Speaker Recognition System, International Conference on Nanoscience and Nanotechnology, Department of Physics, BBAU, LKO, 18/11/13 to 20/11/13.
3. Attacks in Mobile Ad hoc Networks, International Conference on Emerging

Technologies in Electronics and Communication, GNDU, Amritsar, 20/12/13 to 22/12/13.

4. Poster on Attacks in Mobile Ad hoc Networks, International Conference on Emerging Technologies in Electronics and Communication, GNDU, Amritsar, 20/12/13 to 22/12/13.
5. Characteristics of Mobile Adhoc Networks, International Conference on Scientific and Technological Advancements : Social Issues and Health Concerns, School of Home Science, BBAU, LKO, 18/2/14 to 19/2/14.

C11. National Conferences (Paper/Poster)

1. The Economic Impact of Cyber Crime and Future Challenges, National Seminar on History of Crime and Economy in Existing Society and Future Challenges , AIRO in association with Department of Ancient Indian History and Archaeology, University of Lucknow, LKO, 12/11/13 to 13/11/13.
2. Detection of Wormhole Attack in Distributed Wireless Environment, 8th National Conference on "Thermody-namics of Chemical, Biological and Environmental Systems-2013", Department of Applied Chemistry, BBAU, Lucknow, 25/12/13 to 26/12/13.
3. Layered Based Classification for Various Attacks in Mobile Ad-Hoc Networks, 5th National Conference on Nanotechnology & Materials Science, Department of Physics, University of Lucknow, 21/12/13 to 23/12/13.
4. Computer Related Environmental Issues, National Seminar on Environmental Pollution : Problem and Perspectives, Department of law, BBAU, Lko, 19/01/14-20/01/14.
5. Detection Of Wormhole Attack in Mobile Ad hoc Network, Indian Science Congress, Jammu University, jammu, 3/02/14-7/02/14.
6. Cyber Terrorism: A Latest Challenge for Society, National Seminar on Youth, Naxalism and Terrorism: The Politics of Development in Indian Subcontinent, Department of Sociology, Isabella Thoburn College, Lucknow, 21/02/14-22/02/14.

7. Application of IT in Higher Education, 2nd Lucknow Social Science Congress, BBAU, Lucknow, 06/03/14-7/03/14.
8. Poster on Framework to mitigate Wormhole Attack in WSN, 2nd Lucknow Science Congress, BBAU, Lucknow, 27/03/14 - 28/03/14.
9. Poster on Evaluation of S-AODV under Worm Hole Attack in MANET, National Conference on Information Security Challenges, Department of IT, BBAU, Lucknow, 28/03/14.

C12. Event Organized

1. Organized, Poster Competition On National Integration and Communal Harmony on 27th January 2014.

C13. Award

1. Gold Medal in 100 m race for BBA University Annual Sports, 12-13 March 2014
2. Winner in Lawn Tennis Singles for BBA University Annual Sports, 12-13 March 2014
3. Runner Up in Cricket for BBA University Annual Sports, 12-13 March 2014
4. Bronze Medal in 400 m race for BBA University Annual Sports, 12-13 March 2014

C14. Orientation/Refresher Course Attended during the year

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
Refresher	GNDU, Amritsar	22/10/13 to 11/11/13	BBAU, LKO

C15. Membership/Reviewer

1. Associate Lifetime Member of Computer Society of India.
2. Life time Member of Uttar Pradesh Association for Science and Technology
3. Member of International Association of Engineers (IAENG)
4. Member, IEEE
5. Member, ACM
6. Member, Akhil Bhartiya Manavadhikar Mission
7. Life Member, AIRO

8. Life Member, The Indian Science Congress Association
9. Reviewer and Member of International Journal of Network and Computer Applications from Elsevier.
10. Reviewer of International Journal of Computer Engineering Research.

3. Pawan Kumar Chaurasia (Asst. Professor)

C11. International Journal

1. Pawan Kumar Chaurasia (2014): "Developing Operational Profile for University Library Management System", Pensee Multidisciplinary Journal, Thomson Reuters, Paris, France, (ISSN:0031-4773), (Accepted) .
2. Pawan Kumar Chaurasia (2014): "Software Reliability Chain Model", International Journal of Software and Web Services (IJSWS), ISSN (Print) 2279-0063, ISSN (Online) 2279-0071, (IASIR), Issue 8, Vol I, pp 46-50. <http://iasir.net/IJSWSpapers/IJSWS14-246.pdf>
3. Pawan Kumar Chaurasia (2014): Proposed Model for IP Address Security, "International Journal of Advance Research in computer Science and Software Engineering", ISSN 2277-128X, Volume 4, Issue 5, May 2014, pg 363-365. http://www.ijarcse.com/docs/papers/Volume_4/5_May2014/V4I5-0236.pdf
4. Pawan Kumar Chaurasia (2013) : Mutation Testing: A Review, Journal of Global Research in Computer Science (JGRCS), USA, ISSN 2229-371X, Volume 5 No 2, pp.33-36.(2014). <http://www.jgrcs.info/index.php/jgrcs/article/view/880>.
5. Pawan Kumar Chaurasia and Jahi Ali,(2013) : Operational Profile: A Critical Review, Journal of Global Research in Computer Science (JGRCS), USA, ISSN 2229-371X, Volume 4 No 8, pp.57-61.(2013). <http://www.jgrcs.info/index.php/jgrcs/article/view/767/546>.

C12. International Conferences

1. Pawan Kumar Chaurasia (2014): Developing Operational Profile For Library Management Software Module, **Lucknow Science Congress**, Babasaheb Bhimrao

- Ambedkar University, Lucknow (U.P), **27-28, March 2014.**
2. Pawan Kumar Chaurasia (2014): Software Reliability Engineering Academic and Industry Prospective, **Second Lucknow Social Science Congress**, Babasaheb Bhimrao Ambedkar University, Lucknow (U.P), **6-7 March 2014.**
 3. Pawan Kumar Chaurasia (2014): E-Waste Management: An Emerging Issue in India, International Conference on Scientific and Technological Advancements: Social Issues and Health Concerns, Babasaheb Bhimrao Ambedkar University, Lucknow (U.P), **18-19 February 2014.**
 4. Pawan Kumar Chaurasia and Ali Zahid (2014):: A Taxonomy of Software Reliability Models, Punjab Science Congress, PTU, Jalandhar, Punjab **14-16 February 2014. (Presented).**

C13. Award

1. Silver Medal, 400 meter race, Annual Sports-2014, Babasaheb Bhimrao Ambedkar University, Lucknow on **12-13 March, 2014.**
2. Bronze Medal, Badminton Mens Single, Annual Sports-2014, Babasaheb Bhimrao Ambedkar University, Lucknow on **12-13 March, 2014.**

Membership/ Fellowship of Professional Societies:

- Convener, University Sports Committee, Babasaheb Bhimrao Ambedkar University, Lucknow.
- Member, School Board SIST, School for Information Science and Technology,, Babasaheb Bhimrao Ambedkar University, Lucknow.
- Coordinator, Research Data Storage and Super Computing Facilities Babasaheb Bhimrao Ambedkar University, Lucknow.
- Member, School Board, SIST, BBA University, Lucknow.
- Member, Board of Post Graduate Studies (BPGS), DIT , BBA University, Lucknow.

4. Dhirendra Pandey (Asst. Professor)

C14. International Journal

1. Dhirendra Pandey, Vandana Pandey, "The

Security of Information Exchange: AN E-Commerce Perspectives", Accepted in Journal of Global Research in Computer Science (JGRCS), USA, ISSN: 229- 371x, Vol 4, No: 3, pp. 31-35 , 2013.

2. Dhirendra Pandey, Mohd. Waris Khan, Vandana Pandey, "Requirement Validation Vs. Requirement Elicitation", International Journal of Computer & Communication Technology, ISSN (PRINT): 0975 - 7449, Volume-4, Issue-2, pp. 30-37, 2013.
3. Dhirendra Pandey, "The Research Road map of Requirement Validation", International Journal of Advanced Research in Computer Science (IJARCS), ISSN: 0976-5697, Volume 4, Number 4, 2013, pp. 52-54, 2013
4. Dhirendra Pandey, "Requirement Engineering Research", International Journal of Computer Science & Engineering Technology (IJCSET), ISSN No: 2229-3345, Vol. 4, No. 4, pp. 447-450, 2013
5. Dhirendra Pandey "An Overview on Advance Metering System", IJCSET, ISSN No: 2229-3345, Vol. 4, No. 4, pp. 443-446, 2013.
6. Vandana Pandey, Dhirendra Pandey, , Abhinav Shukla, "FEREP: Framework for Effective Requirement Engineering Process Model", International Journal of Advance Research in Science and Engineering, ISSN (Online): **2321 – 8304, Volume-1 Issue-1, pp. 24-33, 2013.**
7. Priyadarshini Narayan, Dhirendra Pandey, "Knowledge-Based Software System for Space Exploration", IJCSI International Journal of Computer Science Issues, Vol. 11, Issue 2, No 1, March 2014, ISSN (Print): 1694-0814 | ISSN (Online): 1694-0784, pp. 181-185, 2014
8. **Dhirendra Pandey, Shweta Sankhwar**, "A Framework to Reduce the Project Related Risk", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 3, pp. 504-509, 2014
9. **Dhirendra Pandey, Vishal Agrawal**, "E-commerce Transactions: An Empirical Study", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 3, pp.669-671, 2014.

10. **Dhirendra Pandey, Priyadarshini Narayan, "Radio Technology for Moon Bounce"**, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 3, pp. 1463-1466, 2014.
11. **Shweta Sankhwar, Dhirendra Pandey, "Software Project Risk Analysis and Assessment: A Survey"**, Global Journal of Multidisciplinary Studies, ISSN: 2348-0459, Volume 3, Issue 5, pp. 144-160, 2014.
12. **Mohd. Waris Khan, Vinodini Katiyar, Dhirendra Pandey, et.al, "The Role of Requirement Engineering Practices in E-Learning Services"**, Global Journal of Multidisciplinary Studies, ISSN: 2348-0459, Volume 3, Issue 5, pp. 314-329, April 2014 .

C15. International Conferences

1. Dhirendra Pandey, "The Effective Use of Color Contrast Method in Motion Detection through Webcam: A Study", Accepted in 3rd International Conference on Advanced Computer Science and Information Technology, ITRResearch, ICACSIT-2013", ISBN: 978-93-82702-20-7, pp. 147-151, 2013
2. Dhirendra Pandey, Priyadarshini Narayan, "Artificial Intelligence Approach to Avoid Space Attack", Proc. of International Conference on Advanced Computer Science and Information Technology, ITRResearch, ICACSIT-2013, ISBN: 978-93-82702-20-7, pp.103-109, 2013.
3. Dhirendra Pandey, Vandana Pandey, Abhinav Shukla, "Requirement Engineering Issues", International Conference on Advances in Engineering & Technology (ICAE&T-2013)- AET - 2013, ISBN- 978 - 81 -927082-1-7, pp. 23,27, 2013
4. Dhirendra Pandey, Mohd. Waris Khan, Abhinav Shukla, Framework for Requirement Validation (REVAF), International Conference on Advances in Engineering & Technology - AET - 2013 - ISBN- 978 - 81 -927082-1-7, pp. 37-42, 2013,
5. Dhirendra Pandey, Abhinav Shukla, Pankaj Bahuguna, "Recent Demand in AMI Infrastructure with Smart Meters", International Conference on Advances in Engineering & Technology - AET - 2013 - ISBN- 978 - 81 -927082-1-7, pp. 43-45, 2013
6. Dhirendra Pandey, Abhinav Shukla, Pankaj Bahuguna, "Communication through R F Mash Network", International Conference on Advances in Engineering & Technology - AET - 2013 - ISBN- 978 - 81 -927082-1-7, pp. 46-49, 2013
7. Dhirendra Pandey, Anil Kumar Shukla, Abhinav Shukla, , "Tracking Location through GIS Application", International Conference on Advances in Engineering & Technology - AET - 2013 - ISBN- 978 - 81 -927082-1-7, pp. 53-59, 2013
8. Dhirendra Pandey, Anil Kumar Shukla, Abhinav Shukla, "GIS: Scope and Benefits", International Conference on Advances in Engineering & Technology - AET - 2013 - ISBN- 978 - 81 -927082-1-7, pp. 60-65, 2013.

Membership/ Fellowship of Professional Societies:

- Professional Member of IEEE.
- Professional Membership of CSI.
- Associate Editor, BIOINFO Publication, Navi Mumbai, India
- Reviewer, BIOINFO Publication, Navi Mumbai, India
- Reviewer, International Journal of Computer Intelligence and Information Security, Australia
- Reviewer, International Journal of Computer Engineering and Technology, Tamilnadu.
- Reviewer, Arab Journals, Saudi Arabia.
- Reviewer, International Journal of Computer Application, USA.

III. DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

The Department of Library and Information Science is functioning in the University since 1997 with the aim to provide up-to-date LIS education to the students through effective teaching programmes and practical training. The department is working with the vision to educate individuals for career as Librarians, Document lists, Information Professionals, Archivists, Information Scientist and Knowledge Managers. The students are educated and trained in order to undertake instruction, research and service oriented programmes that require current emerging information technological developments and market requirements. Presently the department is offering two year integrated Master of Library and Information Science (MLISc), N. Phil. and Ph.D. programmes in Library and Information Science. Keeping in view of the market demands and employment opportunities for the students the courses are being structured and restructured at regular intervals. The department has so far produced more than 369 Library and Information Professionals and a 07 scholar was awarded Ph.D. degree till date.

The Department of Library and Information Science at the moment has one state-of-the-art Information Technology Laboratory with Xeon

Server, 25- Personal Computers, Scanners, Internet with 256kbps bandwidth, leased lines etc, and aims mainly for advanced learning and research. The Department has been established with the following objectives:

1. An understanding and appreciation of vital and pervasive role of Information as an essential tool in all development activities;
2. An understanding of the application of Information Technology in the handling of information in the libraries and information canter;
3. Full comprehension of the global nature of information for proper co-operation, co-ordination among the Countries;
4. To equip the students with necessary skills of Information Science, background for Designing, Implementing, Operating and Managing an Information Centre or a Documentation Centre or a Library, pertaining to any field such as R & D, Business & Industry, Academic Institutions & Government Department, etc.

The students trained under the aegis of the Department are gainfully employed in several Govt. and Private Organizations.

A. Faculty Details

Sl. No.	Name	Designation	Qualifications	Areas of Specialization	Email
1.	Prof. K. L. Mahawar	Professor & Dean, SIST	MLISc, CIC, Ph.D.	-Information Science -Information Systems and Programmes -Information Processing -Academic Information Systems and Services. Knowledge Management	Mahawar_67@yahoo.co.in
2.	Dr. M. P. Singh	Associate Professor and Coordinator	M.Com, MSc (IT), MBA, MLISc, PhD (LIS)	-Knowledge Organization -Research Methodology in LIS -Information of Lib & Sci. -Management & Technology -Information sharing before Biometric study	mpsinghdli@gmail.com
3.	Dr. Sharad Kumar Sonker	Assistant Professor	MLISc, PGDCA, Ph.D.(LIS)	-IT Application to LIS -Management of LICs -Digital Libraries and IRS -Academic Library system	sksonker@yahoo.co.in

4.	Dr. Ranjeet Kumar Choudhary	Assistant Professor	MLISc (2years), Ph.D.(LIS)	-Knowledge Processing and Organization -Information Sources, Systems and Programmes -Management of E-Resources -Academic Library & Info. System	rkclis@yahoo.co.in
5.	Dr. Shilpi Verma	Assistant Professor	MLISc, Ph.D.(LIS), PGDM	-Management of Libraries -IT Applications in Libraries -Information Retrieval	shipoo_lko@rediffmail.com shipoo.lko@gmail.com

A.2. Departmental Level Activity:

1. Workshop on “**Enhancing Communication Skills of Students in Higher Education: Role of Libraries**” is being organised on 22.5.2013 jointly by Information & Guidance Bureau, University Placement Cell & DLIS
2. Workshop in **ICT in Higher Education: Need of the Hour**” on 20/01/2014 Jointly organised by I& GB and DLIS

DESIDOC, DRDO, New Delhi; Defense Ministry, DRDO, DESIDOC, New Delhi, pp.104-106, on 05-07 Dec.2013. ISBN: 978-81-86514-45-0

3. Singh, M.P., Hariom and Kumar Ashish Hariom (2013) “**Collaboration to Support the Enterprise 2.0 Interaction with library users**” in International conference on digital libraries (ICDL) organized by The energy and resources Institute (TERI) at held Inda Habitat center, New Delhi:-

B. Academic Activities of the Faculty

Chapter in Books

Dr. R.K. Choudhary

1. Akhelesh Kumar and Choudhary, Ranjeet Kumar (2014): “**Preservation and Conservation of Electronic Resources: Issues and Challenges**” in Facets of Modern Librarianship. Edited by Sada Bihari Sahu. New Delhi: S.K. Book Agency. pp.169-179 ISBN:978-93-8315-830-0.

B.3 Papers in Conference Proceedings (published)

1. Dr. M.P. Singh

International

1. Singh, M.P. and Madhu Bala (2013) “**Visha Ki Pragati Me Vigyan, Suchna, Sanchar Ke Pariprecheya Me Prodhogiki Ka Mahtawa: Vikas Ka Naya Roop**” in International Conference on “**Visha Ki Pragati Me Vigyan Tatha Prodhogiki Ka Yogdaan**” Organized by DESIDOC, DRDO, New Delhi; Defense Ministry, DRDO, DESIDOC, New Delhi, pp.196-198, on 05-07 Dec.2013. ISBN: 978-81-86514-45-0
2. Singh, M.P. Kumar and Kumar, Satish (2013) “**Visha Patal par Vigyan thata Prodhogiki Ki Upadeyta**” in International Conference on “**Visha Ki Pragati Me Vigyan Tatha Prodhogiki Ka Yogdaan**” Organized by

National

1. Kumar, Satish and Singh, M.P. (2014) “**Role Government and professional Associations for the development of public libraries**” in National Conference on “**Role and Responsibility of public library in rural Development (NSRRPD-2014)**” Sanatan Sewa Samiti Amethi Uttar Pradesh in association with Raja rammohan Roy Library foundation, Enriched Publishing New Delhi., pp.237-242, on 01-2 March.2014. ISBN: 978-163041403-0
2. Hariom and Singh, M.P. (2014) “**Knowledge and information management : a need for Modern Society in Digital era** ” in National Conference on “**Role and Responsibility of public library in rural Development (NSRRPD-2014)**” organized by Sanatan Sewa Samiti Amethi Uttar Pradesh in association with Raja rammohan Roy Library foundation, Enriched Publishing New Delhi., pp.267-273, on 01-2 March.2014. ISBN: 978-163041403-0
3. Madhu Bala and Singh, M.P. (2014) “**Leadership and human resource development through INFLIBNET for Society of LIS Professionals: A Study:**” published in National Conference on “**From brick to Click: transforming libraries in to Social science**” Organized by SLP, UDSC,

UN information centre for India & Bhutan and SLA, held at university of Delhi South campus, Synergy books India publishing, pp.353-358, on 7-8 Feb. 2014. ISBN: 978-93-82059-23-3

4. Kumar Satish, and Singh, M.P. (2013) **“Role Of E-Resources In Present Scenario: An Overview”** in National Conference on **“Development of Academic and public Libraries In Digital Era”** Organized by Gov Polytechnic Lucknow, Bharat Book centre publisher & book sellers, Lucknow., pp.198-201, on 24-25 Nov.2013. ISBN: 978-81-7678-213-5
5. Madhu Bala, and Singh, M.P. (2013) **“Delivery And Exchange Of Services Through IASLIC: Leader For Special Libraries In India”** in National Conference on **“Development of Academic and public Libraries In Digital Era”** Organized by Gov Polytechnic Lucknow, Bharat Book centre publisher & book sellers, Lucknow., pp.198-201, on 24-25 Nov.2013. ISBN: 978-81-7678-213-5
6. Singh, M.P. and Verma, Nitesh Kumar (2013) **“Library Theft Practices & Security Tools In Present Era”** in National Conference on **“Development of Academic and public Libraries In Digital Era”** Organized by Gov Polytechnic Lucknow, Bharat Book centre publisher & book sellers, Lucknow., pp.198-201, on 24-25 Nov.2013. ISBN: 978-81-7678-213-5
7. Hariom and Singh M.P (2013) **“ User Satisfaction with using library collection and Services of the central library Bundelkhand University, Jhansi, U.P: A survey”** In National Conference Development of Digital Libraries in IPR Rgime Organized by Dr Ram manohar Lohiya National law university Lucknow, UP held at .-Lucknow; Dr Ram Manohar Lohiya National law university publishing, on 8-9 June ,2013 pp.92-98 ISBN: 978-81-923638-3-7

Dr. Sharad Sonker

National

1. Verma, Anjali and Sonker, S.K.(2014) **“use of Information technology in public Library”** in National Conference on **“Role and Responsibility of public library in rural Development (NSRRPD-2014)”** Sanatan Sewa Samiti Amethi Uttar Pradesh in

association with Raja rammohan Roy Library foundation, Enriched Publishing New Delhi., pp.43-48, on 01-2 March.2014. ISBN: 978-163041403-0

2. Sonker, S.K*. (2013) Use of Web 2.0 Technology by the National Libraries: A study. In M.K. Bajpai, U.K. Sharma & Vi. K. Mishra (Eds.), Development of academic and Public libraries in Digital Era: Trends and Issues (pp. 249-254).Lucknow: Bharat Book centre. ISBN: 978-81-7678-213-5
3. Sonker, S.K.*(2013) Information literacy among LIS students in lucknow city: a survey. In M.K. Bajpai (Eds.), Compendium of National seminar on Development of Digital Libraries in IPR regime (pp.136-142).Lucknow: RMLNLU press. ISBN: 978-81-923638-3-7

Dr. R. K. Choudhary

International

1. Mamta Rani, Choudhary, R K and Anjali Verma (2014): **“Impact of Online Journals by Research Scholars: A Survey of Chaudhary Charan Singh University, Meerut (UP) India”**. Proceeding of 59th International Conference of Indian Library Association (ILA) on **“Managing Libraries in the Changing Information world: From Surviving to Thriving”** to be held at Mahatma Gandhi Central Library, IIT Roorkee on 22 - 24 February 2014. pp. 607-613. ISBN: 81-85216-48-7.
2. Sumit Ranjan and Choudhary, Ranjeet Kumar: (2014): **“Management and Utility of E-resources in Tagore Central Library of the University of Lucknow: A Case Study”**. Proceeding of 59th International Conference of Indian Library Association (ILA) on **“Managing Libraries in the Changing Information world: From Surviving to Thriving”** to be held at Mahatma Gandhi Central Library, IIT Roorkee on 22 - 24 February 2014. Pp. 864-869. ISBN: 81-85216-48-7.
3. Aklesh Kumar, Choudhary, R K and Pooja Verma (2014): **“Use of E-Resources among Students, Researchers and Faculty Members of Integral University: A Case Study”** Proceeding of 59th International Conference of Indian Library Association (ILA) on **“Managing Libraries in the Changing Information world: From**

Surviving to Thriving” to be held at Mahatma Gandhi Central Library, IIT Roorkee on 22 - 24 February 2014. pp. 887-891. ISBN: 81-85216-48-7.

Dr. Shilpi Verma

International

1. Verma Shilpi* (2014): “**Web 2.0- Mashup in Library Services**” 59th ILA International conference on Managing Libraries in the changing Information World: From Surviving to Thriving, Chief editor DR B. Ramesha, Organised by Mahatma Gandhi Central Library, Indian Institute of Technology, Roorkee & ILA, New Delhi, 2014 ISBN: 81-85216-48-7 Pg. 367-370
2. Verma Shilpi* (2014): “**Human Resource Development for Job Satisfaction**” 59th ILA International conference on Managing Libraries in the changing Information World: From Surviving to Thriving, Chief editor DR B. Ramesha, Organised by Mahatma Gandhi Central Library, Indian Institute of Technology, Roorkee & ILA, New Delhi, 2014 ISBN: 81-85216-48-7 Pg. 430-434

National

1. Verma Shilpi* (2014): “**Network Security: An overview of Social Engineering**” Proceedings of National Conference on information Security Challenges, Deptt. of IT, BBAU, Lucknow Editor: Dr. R.A. Khan, Pg. 65-68 ISBN: 978-81-7678-220-3

B.4 Papers in Journals (published):

Prof. K. L. Mahawar

1. **Mahawar, K. L.** and Narayan, Yogesh Chandra (2013): Evaluation of Museum Resources in State Museum Lucknow: A Case Study, International Journal of Humanities and Social Science Invention, E-ISSN: 2319-7722. P-ISSN: 2319-7714, p. 23-25

Dr. M. P. Singh

1. Hariom and Singh, M.P “**Job Satisfaction among Library Professionals in Bundelkhand University Jhansi, U.P. : A Study**” in International Journal of library and information management (Peer-Reviewed Refereed journal, Editor : Ahemad Zabed S.M .- Faridabad ; IJLM

Society , Volume -4 Issue 2, pp. 74-78, July-Dec 2013 ISSN : 0975-878

Dr. S. K. Sonker

1. Sonker, S.K., Bajpai, M.K., & Mishra, M.K. (2014) Use of Online Legal information Resources by Law Professionals of the High Court of Judicature at Allahabad: A Survey” Journal of Information Management. 1(1), 35-46. ISSN: **2348 - 1765**
2. **Sonker, S.K. and Srivastava, Prachi** (2014). E-learning: An Overview. INFOLIB: Knowledge Digest for LIS Professionals, 7(1-4), 41-43. ISSN: 0974-686
3. **Sonker, S.K. (2013)** IT competencies among library professionals in Indian Institute of Management: a study. INFOLIB: Knowledge Digest for LIS Professionals, 6 (1-2), 362-364. ISSN: 0974-686

Dr. Shilpi Verma

1. Verma Shilpi * (2013) “**Telecommunication through Broadband Services of BSNL: A Bird’s eye view**” in International Journal of Technical Research & applications. Vol1, Issue 2(May-June 2013) PP 37-41, e-ISSN 2320-8163 (online) www.ijtra.com

B.5 Membership in Various Government and Other Bodies

Prof. K.L. Mahawar

1. Life Member of Indian Library Association (ILA)
2. Life Member of Indian Association of Special Libraries and Information Centres (IASLIC)
3. Life Member of Indian Association of Teachers of Library and Information Science (IATLIS)

Dr. R.K. Choudhary

1. Indian Association of Special Libraries & Information Centers (IASLIC)

Dr. Shilpi Verma

1. Life member of the Indian Association of Special Libraries & Information Centres (IASLIC).
2. Life member of the Indian Library Association (ILA)
3. Life member of the Indian Association of teachers of Libraries & Information Science (IATLIS).

B.6 Conference/Seminar/Workshop/Faculty development programme Attended:

Prof. K. L. Mahawar

- National Seminar on 'Development of Digital Libraries in IPR Regime' Held on June 08-09, 2013 at Ram Manohar Lohia National Law University, Lucknow.
- One Day Workshop On Enhancing Communication Skills of Students In Higher Education: Role of Libraries held on 22/05/2013 at BBAU, Lucknow.

Dr. R.K. Choudhary

Attended two days National Conference on "Library and Information Science Education and Profession in Bihar: Emerging Trends, Challenges and Vision" organized by Fundamental Mission Educational Welfare Trust, Bhagalpur and Maulana Mazharul Haque Arabic and Persian University, Patna held at Bhagalpur on April 6-7, 2014.

Dr. Shilpi Verma:

1. Workshop on "Enhancing Communication Skills of Students in Higher Education: Role of Libraries" is being organised on 22.5.2013 jointly by Information & Guidance Bureau, University Placement Cell & DLIS
2. one day National Seminar on "ICT in Higher Education: Need of the Hour" on 20/01/2014 Jointly organised by I& GB and DLIS
3. Attended Refresher Course (Winter course) in Feb 2014 at ASC, University of Lucknow, Lucknow (21 Days)

B.7 Session Chaired/Panel Discussion/Invited Talks

Dr. S.K. Sonker

1. Chaired the Session "Strategic Partnership" In National Conference on Development of Academic and Public Libraries in Digital Era: Trends and Issues organized by Association of technical education libraries U.P., SMS, Lucknow & UPLA held at Government Polytechnic, kucknow on dated 25/11/2013.
2. Chaired the Second Technical Session In National Conference on "Role and Responsibility of public library in rural Development (NSRRPD-2014)" organized by Sanatan Sewa Samiti Amethi Uttar

Pradesh in association with Raja Rammohan Roy Library foundation, on 1st march 2014.

Dr. Shilpi Verma

1. Worked as coordinator in Workshop on "Enhancing Communication Skills of Students in Higher Education: Role of Libraries" is being organised on 22.5.2013 jointly by Information & Guidance Bureau, University Placement Cell & DLIS
2. Worked as coordinator in ICT in Higher Education: Need of the Hour" on 20/01/2014 Jointly organised by I& GB and DLIS

B.8 Papers Presented in Seminar/Conference/Workshop

Dr. S.K. Sonker

1. Sonker, S.K. (2014). Information literacy Among Post Graduate Students of BBAU: A Study. International conference on Information Literacy in the knowledge society, during 6th to 8th March, 2104, held at NEHU, Shillong, Meghalaya, India.

B.9 Seminar/Workshop Organized

Dr. Shilpi Verma:

1. Worked as coordinator in Workshop on "Enhancing Communication Skills of Students in Higher Education: Role of Libraries" is being organised on 22.5.2013 jointly by Information & Guidance Bureau, University Placement Cell & DLIS
2. Worked as coordinator in ICT in Higher Education: Need of the Hour" on 20/01/2014 Jointly organised by I& GB and DLIS

Dissertations

1. Prof. K.L. Mahawar
Guided 04 MLISC Students for their Dissertation work
2. Dr. M.P. Singh
Guided 05 MLISC Students for their Dissertation work
3. Dr. S.K. Sonker
Guided 05 MLISC Students for their Dissertation work
4. Dr. R.K. Choudhary
Guided 05 MLISC students for dissertations work

IV. DEPARTMENT OF MASS COMMUNICATION AND JOURNALISM

Department of Journalism and Mass Communication (DJMC)

The Department

The Department of Journalism & Mass Communication, started in 2008, offers a four-semester Post Graduate course leading to Masters Degree in Journalism and Mass Communication and M.Phil & Ph.D. programmes in Journalism & Mass Communication. The basic objective of the Department is to produce skilled professionals for the exponentially expanding world of mass media, both print as well as electronic. The Department also endeavors to provide advanced and specialized professional training to the students and also caters to the higher level of demands in the profession of Mass

Communication, including media research and media education. The Department aims and endeavors to develop into a centre of excellence in the field of Mass Communication & Journalism.

Department -Level Academic Activities:

1. A workshop on Early Childhood Care and Media was organized in collaboration with PLAN Indian and SARIFA. (10-02-14)
2. One day workshop on television rating.
3. A Special Lecture delivered by Prof. Bandana Pandey on Communication Research Methodology.
4. A visit in collaboration with Home Science Department to Mavaiya village was organized. (10-02-14)

Faculty Details

S No	Name	Designation	Qualification	Area of Specialization
1	Dr. Gopal Singh	Asso.Prof.&	MA, MJ, Ph.D. UGC NET- JRF	Film & TV Journalism, Environment & Media
2	Dr. Govind Ji Pandey	Asso. Prof. Head	MJ. LLB. Ph.D. UGC NET	Electronic Media (Radio and TV production)
3	Dr. Mahendra Kr. Padhy	Asst. Prof.	M.A. (Eco.), M.Phil (Eco.) MJMC, M.Phil (J&MC), Ph.D UGC NET, JRF. D.Litt (Continuing).	Advertising, Public Relations, Development Journalism.
4	Dr. Rachana Gangwar	Asst. Prof.	Ph.D	Communication Theories,Cross Cultural Communication, Folk Communication

1. Dr. Gopal Singh

Seminars, Conferences, Workshop, Talk & Ugc Programs

1. National Conference on Mass Media and the Indian Public Sphere: Issues and Challenges, DJMC, Himachal Pradesh University, Shimla, 3rd-4th October, 2013
2. Seminar on Environment, Education & Society, DES, BBAU, June 5, 2014 Poster presentation
3. The 101st Indian Science Congress at University of Jammu, Jammu, Feb.3-7, 2014 Special Lecture: Communicating Science for Inclusive and Sustainable Development
4. International Conference on Scientific and Technological Advancements: Social Issues and Health Concerns, 18-19th Feb., 2014 Paper: Role of Media in Women Empowerment in the Age of Globalization
5. International Conference on Information and Communication Flow In Third World at University of Delhi, 21-22nd Feb., 2014 Chaired a Session and presented a Paper: Media Credibility, Objectivity and Social Responsibility
6. International Conference on Environmental Technology and Sustainable Development: Challenges and Remedies at DES, BBAU, 21-23 Feb., 2014 Paper (Joint): Role of Media in Management of Environment Pollution

7. National Conference on Information Security Challenges (NCISC-2014), DIT, BBAU, 28 March, 2014
8. National Seminar on Communication: Emerging Trends and Future Prospects (CETFP- 2014), IMS UNISON UNIVERSITY, Dehradun, April 21-22, 2014 Paper (Joint): 'New Media: A new trend setter for Indian News Industry'
9. International Seminar on Global Politics and Governance in 21st Century, Department of Political science BBAU, Lucknow, March 22-23, 2014, Paper (Joint): वैश्विक लोकतंत्र को मजबूत करने में राजनैतिक संचार की भूमिका का अवलोकन (सोशल मीडिया के विशेष सन्दर्भ में)

Articles, Research Papers Published:

Hindi Cinema Ka Itihaas: Samajik Sarokaroan Ke Vishesh Sandarbh Mein (Joint Publication), *Anukriti*, April-June-2014

2) Dr. Govind Ji Pandey

C1) Award/Honours achieved:

Awarded Member of the International Review Board of Media Watch, an international peer reviewed journal with an impact factor of 3.7.

C2. Seminar/ Workshops organized

A workshop on Early Childhood Care and Media was organized in collaboration with PLAN Indian and SARIFA.

A Special Lecture delivered by Prof. Bandana Pandey on Communication Research Methodology.

C.3 Papers presented in Seminars/ Conferences

International:

- 1) Portrayal of women in Hindi cinema, Organized by School of Home Science
- 2) Presented a paper title 'सामुदायिक रेडियो की अवधारणा का वैश्विक परिप्रेक्ष्य-एक विश्लेषण' in the International conference organized by School for Ambedkar Studies, BBAU, Lucknow

National:

- 1) Presented a paper title "स्त्री समस्याओं के

समाधान खोजता हिंदी सिनेमा" in a seminar organised by MICCI and Friedrich Ebert Stiftung, Banaras. (31st March 2014) Joint Paper

- 2) Presented a paper title 'भारत में सूचना के अधिकार का शिक्षा में योगदान-एक अध्ययन' in a seminar organised by Indian Reporter Association, Varanasi (21-22 March 2014) Joint Paper
- 3) Presented a paper title "मीडिया में मूल्यांकन का संरक्षण में सामुदायिक रेडियो की भूमिका-एक विश्लेषण" in a seminar organised by Deptt of Sociology, BHU (29-30 March 2014) Joint Paper

C2. Papers/ Articles published

- 1) भारत में सामुदायिक रेडियो के उद्भव, विस्तार और सामुदायिक विकास में भूमिका: जन संचार विमर्श ISSN No- 2277-3939 (गोविंद पाण्डेय और साधना श्रीवास्तव)
- 2) भारत में भोजपुरी सिनेमा का विकास एवं विस्तार: शोध संचार बुलेटिन ISSN No- 2229-3620 (गोविंद पाण्डेय और अरुण कुमार)
- 3) Portrayal of Caste in Hindi Cinema: International Journal of Communication - ISSN - 0975-640X, Vol. 23, Jan-Jun 2013
- 4) मुसीबत से कम नहीं है ये ताकत, आई नेक्स्ट दैनिक जागरण (आल इंडिया एडिशन)

C3. Sessions chaired in Seminar/ Workshop

1. Chaired a session in a workshop on Early Childhood Care and Media. Which was organized in collaboration with PLAN Indian and SARIFA. (10-02-14)
2. Delivered a lecture in the film festival Filmaki as Subject Expert.
3. Delivered a lecture as Chief Guest on Role of Media in Disaster Management organized by Regional Science Centre, Aliganj, Lucknow.
4. Speaker in a National Seminar held in Chakiya, Uttar Pradesh.
5. Invited as a Subject Expert by Hindustan Media Group
6. Invited Panelist for a Media Programme by Amar Ujala Media Group.

C4 Membership in Various Government and Other Bodies.

- 1) Member, Board of Studies, Indira Gandhi National Tribal University, Amarkantak.

- 2) Member, Board of Studies, BBD University, Lucknow.
- 3) Member, Board of Studies, Rama University, Kanpur.
- 4) External Member, Academic Advisory Committee, Doon University, Dehradun.
- 5) Advisor, SSC examinations, UP

2. Dr. Mahendra Kumar Padhy

Award/Honours achieved:

1. Awarded Member of the International Review Board, International INSITE Conference, Tele, June, 2013.
2. Member, Executive Council, Central University of Orissa from 8th July to 25th October, 2013.
3. Member, Academic Council, Central University of Orissa from 8th July to 25th October, 2013.
4. Acting Dean, Central University of Orissa from 8th July to 25th October, 2013.
5. Member, Faculty selection committees (two times), Central University of Orissa from 8th July to 25th October 2013. (During EOL period).

Papers Published:

1. Economics of Green Communication: The Indian Scenario, Pragyan Journal of Mass Communication, June, 2013.

Paper Presented in Seminar/Conferences/workshops:

International:

1. Role of Media for Protection of Human Rights, School for Legal Studies, B.B. Ambedkar Central University, Lucknow, April, 2013.
2. Ambedkar, Social Justice and Indian Media, BBAU, April, 2013.
3. Information and Communication flow for sustainable Development, Maharaja Agrasen College, University of Delhi, Dept. of Journalism and Mass Communication, Feb., 2014.
4. Role of Media for Sustainable Development: The Participatory Approach, School for Home Science, BBAU, Lucknow, February, 2014.

5. Communication policy for sustainable Development; The Problems and Prospects, Dep. Of Environmental Science, BBAU, Lucknow, Feb., 2014

National :

1. Contemporary Journalistic Trends: A Gandhian Critique, M.G. Kashi Vidyapeeth, Varansi, April, 2013.
2. Journalistic Representation of Ambedkar in Indian Media, Dept. of Sociology, BBAU, April, 2013.
3. Participatory Media Policy for Sust. Poverty Alleviation, M.G. Kashi Vidyapeeth, Varanasi, Feb. 2014.
4. Communication Strategy for Sustainable Development: The Indian Perspective, The Indian Science Congress Association, Jammu University, Feb. 2014.

Organising National Seminar/Workshop:

1. Organized one National Seminar as Convener at Central University of Orissa, July, 2013. (During EOL period)
2. Organized one day workshop at DMCJ, BBAU, 2014.

International and National Conference participation and presentation:

Dr. Rachana Gangwar:

Seminars, Conferences, Symposia, Workshop, Talk & Ugc Programs :

1. Presented a paper titled "Role of youth in formation of new democracy via new media" in a National Seminar on "Empowerment of youth : Issues and Challenges" (8-9 February 2014) organized by Department of Education, Uttar Pradesh
2. Presented a paper titled "Role of social media in strengthening the voice of common people" in an International Conference on "Scientific and Technological Advancements : Social Issues and Health Concerns" (18th -19th February 2014) organized by School for Home Science, BBAU, Lucknow
3. Presented a paper titled "Portrayal of women in advertising" in a National Seminar on "Women empowerment towards gender equality" (5-7 march 2014)

Department of English ,Khwaja Moinudin Chisti Urdu, Arabi-Farasi University, lucknow

- 4 Presented a paper titled “An analytical study on challenges of right to education & communication” in a National Seminar on “Role of media in promoting right to education” (11-12 march 2014) Department of Education & Department of Journalism & Mass Communication, Khwaja Moinudin Chisti Urdu, Arabi-Farasi University, lucknow
- 5 Presented a paper titled “Role of Mass Media in Awareness of Biodiversity” in an International Conference on “Faunal biodiversity and their conservational strategies” (22-23 march 2014), Lucknow University, Lucknow

List of publication 2013-2014

1. Published a research paper “Uttar Pradesh ki shikha main sampreshan ki samasya : ek adhdhyan “in an International Refereed Research Journal “Shodh Drishti” ISSN 0978-6650, Jan -March 2014, Vol-5,No-2, Joint
2. Published a research paper “Radio prasaran ke samajik uttardayitwa” in a Nation Research Magazine “Samagam”, ISSN 2231-0479, February 2014, Joint
3. Published a research paper “Aaddhyapan ke kshetra main bhasha madhyam ek ghunauti (Uchha shiksha ke vishesh sandarh main)” in an International Refereed Research Journal “Anukriti” ISSN 2250-1193, April-June 2014, Joint
4. Published a research paper “Adiwasi vikas aur Media” in a National refereed research journal “Shodh Prawah” ISSN 2231-4113. April 2014, joint
5. Published a chapter in a book “Samaj, Sanchar evam Cinema” ISBN 978-81-921076-6-0, 2014, Joint





SCHOOL FOR LEGAL STUDIES

The School for Legal Studies was established in 1999 to promote research in law and its allied disciplines. At present, the School has two departments, such as Department of Human Rights and Department of Law offering LL.M and Ph.D. Programmes. Our efforts have been to make legal learning socially relevant, technically competent and professionally sound for complete development of the individual personality. The School recognizes the continued paramount importance of the areas like Constitutional Law, Human Rights, Intellectual Property Law; Environmental Law etc. the courses are comprehensive and multidimensional. Which have always been intrinsically connected with the issues of public governance and are of human and

social significance. The School has Legal Aid Clinic forum for providing the legal and services to poor needy people and interface with the common mass, particularly the deprived section of society. The clinical legal education and extension activities are integral part of the academic programmes of the School. Customized efforts are directed to bridge the gap between law in books and law in actio. The School strives to inculcate ethical, moral cultural legal and constitutional values among its students in order to strengthen the rule of law and to realize the preambular commitment of social justice enshrined in our Constitution and the sensitivity to understand the relationship between law and life.

I. DEPARTMENT OF HUMAN RIGHTS

Introduction

Department of Human Rights conducts post-graduate teaching and research programmes in the areas relating to Human Rights and Law and aims at recommending appropriate measures for enforcing human rights and securing ends of justice through legal and democratic processes.

Presently, the department is running Ph.D. and LL.M. in Human Rights courses. The total number of students in Ph.D. course on date is 26 and in the LL.M. Course is 30 during the session 2013-14 out of which number of open category students is 15 and students belonging to SC/ST category are 15 in LL.M. in Human Rights.

LL.M. course consists of four semesters spanning in two years. Students have to opt four papers in each semester. These papers cover many local, national regional and global curriculums. The syllabus of LL.M. course has an interdisciplinary approach. The LL.M. course is in tune with the prime concerns of legal aid, advocacy, social justice, community services and governance.

The students are encouraged to apply their knowledge of the subject in the real life situations. Besides dissertation writing on relevant issues of human rights and law, the students have to present ten seminars (one Mega Seminar based on empirical study) on different topics covering many national regional and global

issues of law and human rights as a compulsory part of the course work in the Third Semester.

Objectives of the Department

The objectives of the Department are:-

- to undertake study of the constitutional, legal, socio-economic and political dynamics of human rights and governance issues in India and the world; and
- to recommend remedies to alleviate human rights violations through legal and democratic processes, and
- academic programmes are designed to analyse the theoretical, empirical and clinical issues concerning law, governance and human rights.

Infrastructural Facilities

- The Department is housed in School for Legal Studies Building.
- The Building is Wi-Fi connected.
- Two Classrooms, one Smart classroom, one legal aid room and one Conference hall.
- Head's Chamber and 06 faculty chambers
- Girls' common room, multipurpose hall, One Computer lab and Library at School level.

- Computers have been provided to all the teachers.
- Two LCD projectors and one Laptop is available for students' classes.
- Xerox Machine along with required furniture is also available in the Department.

Vision

The vision of the Department is to expand its research programmes in the near future. It aims at setting up a Center for Socio-Legal Studies to promote the research, documentation, extension, and consultancy services. Department aims at pursuing the human rights literacy programmes through seminars, symposium and public lectures to sensitize the cross-sections of the society about human rights concerns. Department aims to constructively work for ameliorating human rights violations through its Legal Aid Clinic. Preparation of teaching material, printing booklets

Profile of Faculty Members

Name	Designation	Qualification	Experience	Specialization
S.K. Bhatnagar	Professor	LL.M., Ph.D. in Law	Teaching & Research Since 11 Sept. 1978	Human Rights; Constitutional Law & Jurisprudence
Priti Saxena	Professor	LL.M., Ph.D. in Law	Teaching & Research Since 18.11.1991	Constitutional Law, Administrative Law and Torts
Preeti Misra	Associate Professor	LL.M., LL.D.	Teaching & Research Since 20 Sept. 1999	Criminal Law, Women & Law, Intellectual Property Law & Family Law
Shashi Kumar	Asst. Professor	M.A(Political Science) Ph.D. in (Political Science)	Teaching & Research Since 19 August 1997	Human Rights, Indian Politics & Law Political Theory
Rashida Ather	Asst. Professor	M.A (Human Rights) Ph.D. (Human Rights)	Teaching & Research Since 20 Nov. 2008	Child and Women Rights, IHL

for public distribution, preparing a database of books, reports and monographs on human rights are among the future activities of the Department. In order to fulfill the needs of human rights law teaching and research in future, the Department proposes to develop a documentation Center with the requisite study materials. Department proposes to invite eminent academicians and experts on human rights issues to deliver Lectures.

Department proposes to organize at least one National Seminar per year subject to financial assistance from the University and other agencies. The Department is very keen to introduce new specialized courses e.g. Intellectual Property Rights, Criminal Law and Studies on Women Empowerment on the availability of faculty members in the coming years. The Department has proposed to introduce B.B.A. LL.B. Honours Programme from the session 2014-15 subject to the approval of Bar Council of India.

Academic Profile (Teaching & Research)

Department has two Professors, one Associate Professor and two Assistant Professors at present. One post of Assistant Professor is vacant and in the process of selection. Faculty Members are drawn from the disciplines of Law, Political Science and Human Rights, thus enriching the inter-disciplinary human rights curriculum and research.

Department Level Academic Activities

- Dr. Shashi Kumar is working on on "Caste Discrimination and Human Rights Violation Against Dalits (A Case Study of Unnao District in UP) Research Project awarded by ICSSR
- Seminar, Lectures and other activities (in figure) during the year

Seminar/Conference participated by Faculty		Seminar/Conference/Lectures Organized by Department		Research Paper Presented by Faculty		Research Paper Published by Faculty		Book Published by Faculty/ edited books	
National	Inter-national	National	Inter-national	National	Inter-national	National	Inter-national	National	Inter-national
40	10	01/13 lectures	01	37	11	19	-	01/05	-

Other Activities

The Department works under Three Forums for its academic and extension activities and one for alumni activity:

1. Academic Forum:

The department has an Academic Forum with Prof. Priti Saxena, as its Chairperson with Dr. Shashi Kumar Dr. Preeti Misra and Dr. Rashida Ather as members. It is meant for arranging seminars, symposiums, workshops and guest lectures. The Forum is also commemorating various days e.g. Law Day, Human Rights Day, AIDS Day & Women Day, Health Day etc., with students participation through debates and speeches. The Department has co-organised one International conference on April, 26-27, 2014, with School for Legal studies and one National Seminar on 10th December 2013.

2. Legal Aid Clinic:

The Department has a Legal Aid Clinic with Prof. S.K. Bhatnagar as its Chairman and Dr. Priti Saxena, Dr. Shashi Kumar, Dr. Preeti Misra and Dr. Rashida Ather as its members. The clinic is engaged in promoting human rights and legal literacy among the cross sections of the society. The clinic makes efforts to get in touch with NGOs working in the area of law and human rights. Department Of Human Rights, And ALL India Rights Organisations (AIRO) organised a Legal Aid Clinic, in Village Ahmadpur, Barabanki, U.P. on 25th February, 2014.

3. Wall Magazine:

The Department has a Wall Magazine Committee with Prof. S.K. Bhatnagar as its Chairperson and Prof. Priti Saxena, Mr. Raj Kumar Research Scholar, Convenor of Committee, Mr Pradeep Kumar, Upendra Nath, Jageshwar Nath Singh, Ragini Narayan, Kanchan Prabha, Mukesh Bharti, Rajeev Kumar Singh, Research Scholars and Manobhaw Kaushik, Anju pandey, Shashya Mishra and Taku Maji P.G. students as members. The efforts of the Committee is to gather the knowledge from all nooks and corners from the legal experts, D.H.R. teachers and students and at the same time to disseminate the same back to the students for their benefit. The purpose of the wall magazine is to come out with new ideas and theories to improve and to add the knowledge. The contribution to this magazine is presently confined to faculty members, research scholars,

and students of the DHR. The publication of abstracts and Research Papers are being displayed on the wall magazine.

4. Smriti Latika:

Smriti Latika, a directory which provides a valuable and informative platform for all teachers and students of the department to promote professional links between the department and its alumni. Prof. Priti Saxena, is its Patron, and Mr. Manobhaw Kaushik, Mr. Gaurav Gupta students of LL.M. as Editors update the required information, both through print and social media.

C. Academic Activities of the Faculty

C.1 Awards/Honours/Fellowship Achieved

1. Prof. Priti Saxena, Judge, "Essay Writing Competition" National Education Day, 11th November 2013, organized by School of Education, Babasaheb Bhimrao Ambedkar University, Lucknow.
2. Prof. Priti Saxena, Judge, "Poster Competition" organized by 20th Battalion NCC, Babasaheb Bhimrao Ambedkar University, Lucknow 27th January, 2014.
3. Dr. Preeti Misra, Certificate of Honour for attaining 1st position in Carrom (Singles) in University Annual Sports-2014 held in March 12-13, 2014.
4. Dr. Shashi Kumar, ICSSR Research Project, "Caste Discrimination and Human Rights Violation Against Dalits (A Case Study of Unnao District in UP)

C.2 Books / Edited Books / Monographs (s) with details of title,

1. Prof. Priti Saxena, "Right to Information" ISBN 978-81-8484-221-0, published by Deep & Deep Publication, New Delhi, 2013 edn. (in Co-authorship)
2. Prof. Priti Saxena Chief Editor of Journal of Legal Studies, published biannual Vol.2 Issue 1, Jan. 2014 (ISSN 2321-1059)
3. Prof. Priti Saxena Editor of Souvenir of International Conference on "Human Rights Law, Justice and Governance" organized by School For Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow on 26 & 27 April 2013.
4. Dr. Preeti Misra revised Ratanlal & Dhirajlal's Law of Crimes- A Commentary

on Indian Penal Code, 1860, Volume 1 & 2 of 27th Edition 2013, Bharat Law House, New Delhi (978-81-7737-223-6).

5. Dr. Preeti Misra Editor of Souvenir of National Seminar organized by AIRO and Dept. of Ancient Indian History and Archaeology, University of Lucknow on the theme "History of Crime and Economy in Existing Society and Future Challenges" held on 12th & 13th November, 2013.
6. Dr. Preeti Misra Editor of Journal The Anthropos (A Journal of Human Spectrum), published by Naina Dayal Foundation, Lucknow, Vol.3 No. 2 July-Dec. 2013 (ISSN 2319-278X).

C.3 Book(s) chapter with details of title, editor's name, publisher

1. Prof. S. K. Bhatnagar, "Right to Health: National and International Dimensions" in S. Rajkhowa & S.Deka (ed.), Economic, Social and Cultural Rights (2013) ISBN 9789380261638.
2. Prof. Priti Saxena "Administrative Discretion in Application to Freedom of Profession, Occupation, Trade or Business-An Analysis" published in An Introduction to Administrative Law, 2013, Editors Dr. R. Badhopadhyay & Dr. R.D.Dubey, Paragon International Publishers, New Delhi (ISBN 978-81-89253-80-6) (in Co-authorship)
3. Dr. Preeti Misra, "Collective Management of Copyright and Licensing Bodies Right to Sue For Infringement of Copyright / Performer's Right" in "Intellectual Property Law" (ed.) Dr. O.N. Tiwari, Radha Publications, New Delhi, 2013 pp 76-90 (ISBN No. 978-81-7487-844-1)
4. Dr. Preeti Misra, "Distance Education in India: An Appraisal of IGNOU Study Centre" in "Open and Distance Learning in India: Challenges and Prospects" (ed.) Kirti Vikram Singh, Rapid Book Services, Lucknow, 2013 pp300-313 (ISBN No. 978-93-82462-06-4)
5. Dr. Preeti Misra, "Ground Water Exploitation and Environmental Degradation: A Study of Plachimada, Palakkad District, Kerala" in "Environmental Degradation-Issues and Challenges" (ed.) Vinita Katiyar,

S.K.Verma, New Delhi Publishers, 2014 pp169-178 (ISBN No. 978-93-81274-50-7)

6. Dr. Preeti Misra, "Water Pollution and Ganga: A Study With Reference to National Ganga River Basin Authority" in "Environmental Degradation-Issues and Challenges" (ed.) Vinita Katiyar, S.K.Verma, New Delhi Publishers, 2014 pp189-204 (ISBN No. 978-93-81274-50-7)
7. Dr. Preeti Misra, "Status of Tribal Women in India: A Socio-Cultural Perspective with Human Right Dimension" in "Human Rights and Social Justice" (ed.) Dr. Ajay Kr. Singh, VL Media Solutions, 2014 pp 21-31 (ISBN No. 978-93-80820-84-2).

C.4 Articles /paper in journal(s) {only published and accepted articles/papers}

1. Prof. S. K. Bhatnagar, "Sustainable Development and Human Rights: An Overview", (co-author), Journal for Legal Studies, vol. 1, Issue I, (2013), ISSN 2321-1059.
2. Prof. S. K. Bhatnagar, "Central Vigilance Commission: Need to maintain Institutional Integrity and Autonomy for its effective Planning" (joint) in Journal of Legal Studies, vol. 1 (2) (2013); ISSN 2321-1059.
3. Prof. S. K. Bhatnagar, "Making Development Sustainable: A Constitutional Obligation", (co-author), Sodh Prerak, vol. III, Issue 3 (2013) ISSN 223-413X.
4. Prof. Priti Saxena, Roots, Rationale and Judicial outlook on Killings in the Name of honour: A Solution Based Scrutiny" in Indian Bar Review, Vol XXXIX, Oct-Dec 2012, Number 4 at 43 (in Co-authorship) (issue released in 2013)
5. Prof. Priti Saxena, "A Jurisprudential Trip through Human Rights Based Approach on Environmental Issues" in Lucknow Law Journal, Vol. XVII, 2014 at 49 (ISSN: 0076-1427) (in Co-authorship)
6. Prof. Priti Saxena, "Electoral Reforms in India Contemporary Constitutional Perspective and Judicial Approach" in Journal of Legal Studies. Vol. 2 Issue -1 Jan 2014 at 14 (ISSN 2321 1059) (in Co-authorship)
7. Prof. Priti Saxena, "Digital Terrorism-The Technological Advancement of Crime" in

The Indian Police Journal Jan-Mar, 2014, Vol. LXI No.1 (ISSN 0537-2429), (in Co-authorship)

8. Dr. Preeti Misra, "Economics of Crimes in Industrialized and Non-Industrialized Societies" in The Anthropos (A Journal of Human Spectrum) Vol. 3 No. 2, July-Dec. 2013, Naina Dayal Foundation, Lucknow (ISSN 2319-278X)
9. Dr. Preeti Misra, Compensatory Justice Jurisprudence in India with Reference to Criminal Law: An Evaluation, Dibrugarh University Law Journal, Centre For Juridical Studies, Vol. I Annual Publication, 2013 pp 69-79 (ISSN No. 2348-6597)
10. Dr. Shashi Kumar, A paper on topic "Women's Empowerment and Status of Dalit women: Challenges and Solutions (Hindi) in Manab Adhikar: Nai Dhyshayan (a Hindi journal of NHRC, New Delhi), vol,10,2013 ISSN 0973-7588
11. Dr. Rashida Ather, Sexual Harassment at Workplace and Protective Measures for Women: National & International Perspectives in the IUP Law Review, Vol. III, No. 4, October, 2013, Hyderabad, ISSN No. 2231-3095
12. Dr. Rashida Ather, Fundamental Right to Primary and Elementary Education in Uttar Pradesh: An Analysis in The Anthropos: a Journal of Human Spectrum, All Indian Rights Organization (AIRO), Vol. 3, No. 2, July-December 2013.

C.5 Lectures delivered/Resource Person

1. Prof. S. K. Bhatnagar, delivered Key-Note Address in the Symposium on "Emerging Paradigms in Legal Education" at Jagran Lakecity University, Bhopal on 07 Dec. 13.
2. Prof. S. K. Bhatnagar, delivered Guest of Honour Address in the National Seminar on Judicial Activism at Saket P.G. College, Avadh Univ., Faizabad on 1st March 14.
3. Prof. S. K. Bhatnagar, delivered a Lecture on Women's Day at Faculty of Law, Rajasthan Univ., Jaipur on 8 March 14.
4. Prof. Priti Saxena, Speaker at National Judicial Academy, Bhopal and delivered lecture on "Issues relating to Women & Children: International Law & its Impact on India" in the National Conference of

Judges of the District Judiciary on Adjudication of Issues relating to Women & Children on September 6 - 8, 2013.

5. Prof. Priti Saxena, Addressed as Resource Person on Human disability: As a social challenge and role of Judiciary in One day Symposium on- "Legal issues relating to disabled persons" 6th October, 2013, organized by Judicial Officers' Training & Research Institute High Court of Madhya Pradesh, Jabalpur
6. Prof. Priti Saxena, delivered as Resource Person a lecture on "Awareness among the Women Regarding their Rights & Duties" on 14th March 2014, in National Seminar Organized by Committee of Basic Facilities for Women Babasaheb Bhimrao Ambedkar University.
7. Dr. Preeti Misra, Invited lecture in workshop on "Strategies to Combat Crime Against Women" organized by Forensic Science Laboratory, U.P. Lucknow, U.P. from 17 to 18 May 2013
8. Dr. Preeti Misra, Invited lecture on "Human Rights and Constitution of India" on 29th October 2013 in a workshop on "Human Rights, Our Commitment" organized at Group Centre, CRPF, Bijnaur, Lucknow
9. Dr. Preeti Misra, Key Note Speaker in National Seminar organized by AIRO and Dept. of Ancient Indian History and Archaeology, University of Lucknow on the theme "History of Crime and Economy in Existing Society and Future Challenges" held on 12th & 13th November, 2013.
10. Dr. Preeti Misra, Invited lecture in National Workshop on Human Rights & Social Justice organized by Dept. of Law, K.S. Saket P.G., Ayodhya held on 7th Dec. 2013
11. Dr. Preeti Misra, Invited lecture on "Implementation of Human Rights in day to day Life" in Avadh Girls' Degree College, Lucknow on 10th December 2013
12. Dr. Shashi Kumar, delivered lecture on National Symposium on Women Empowerment: Attitude of Men (Socio-Legal Perspective) organized by All Indian Rights Organization (AIRO) and Dr. RPMD College, Lucknow on Women's Day 8th March 2014

13. Dr. Rashida Ather, delivered a lecture on women rights in India , in one day workshop, organized by Internal Complaint Committee and Basic Facilities for women committee, BBAU, Lucknow, held on 14, march, 2014

C.6 Membership in various government and other bodies (out of BBAU)

1. Prof. S. K. Bhatnagar Member, Faculty Board in Law, Allahabad University, Allahabad.
2. Prof. S. K. Bhatnagar Member, Faculty Board in Law, Lucknow University, Lucknow.
3. Prof. S. K. Bhatnagar Member, Expert Committee on Seminar Funding, U.P. Higher Education Council, Lucknow.
4. Prof. S. K. Bhatnagar Chairman, Board of Studies in Law, Jagran Lakecity University, Bhopal.
5. Prof. Priti Saxena, Life Member Indian Law Institute, New Delhi
6. Prof. Priti Saxena, Life Member Indian Institute of Public Administration, New Delhi
7. Prof. Priti Saxena, Member Editorial Board, Vidhi Sahitya Prakashan, Ministry of Law & Justice, Legislative Department, Govt. of India, New Delhi
8. Prof. Priti Saxena, Life Member Indian Association for Social Sciences and Health (IASSH)
9. Prof. Priti Saxena, Member Board of Studies in Law, Desh Bhagat University, Panjab
10. Prof. Priti Saxena, Member Advisory Board, Shodh Prerak, A Multidisciplinary Quarterly International Refereed Research Journal, ISSN 2231 - 413X
11. Prof. Priti Saxena, Member Editorial Board, Shodh Pravah, A Refereed Research Journal, (ISSN 2231 - 4113)
12. Prof. Priti Saxena, Chief Editor Journal for Legal Studies An International Journal of Legal Studies (ISSN 2321-1059)
13. Dr. Preeti Misra Ordinary member of Indian Law Institute, New Delhi
14. Dr. Preeti Misra Associate member of Indian Society of International Law. New Delhi
15. Dr. Preeti Misra Member Board of Studies, Centre For Women Studies, Aligarh Muslim University, Aligarh (March 2013-March 2015)
16. Dr. Preeti Misra Life member of Indian Society of Criminology (ISC), Chennai
17. Dr. Preeti Misra Life member of Indian Association For Social Sciences and Health, (IASSH), Bombay
18. Dr. Preeti Misra Life Member of Council for Peace, Democracy And, Cultural Diversity, Morena, M.P
19. Dr. Preeti Misra Life member of Vidhi Bharti Parishad, New Delhi,
20. Dr. Preeti Misra Member Editorial Board of "The Legal Analyst", Law Journal published from Varanasi
21. Dr. Preeti Misra Honorary Member, Naina Dayal Foundation NGO, LKO (Registered)
22. Dr. Preeti Misra Vice President, Indian Association of Social Scientists, LKO (Registered)
23. Dr. Shashi Kumar, Life Member of Indian Academy of Social Sciences,
24. Dr. Shashi Kumar, People Union for Civil Liberties, New Delhi
25. Dr. Rashida Ather Life Member, Indian association for Social Sciences and Health
26. Dr. Rashida Ather Life Member, All India Rights Organisation (AIRO), Lucknow

C.7 Papers presented in seminars/conferences/workshops etc.

Paper Presented In International Conference:

1. Prof. Priti Saxena Presented a Paper on "Protection of Human Rights and Social Justice: Judicial Obligation or Judicial Activism" in International Conference on "Human Rights Law, Justice and Governance" on 26 & 27 April 2013 organized by School For Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow.
2. Prof. Priti Saxena Presented a Paper on "Constitutional Framework of Justice and Good Governance with Reference to Media activism and Media Trial" in International Conference on "Human Rights Law, Justice and Governance" on 26 & 27 April 2013

- organized by School For Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow.
3. Dr. Preeti Misra "Achieving Elementary and Moving Justice: 'We' Approach" in International Conference on "Human Rights Law, Justice and Governance" on 26 & 27 April 2013 organized by School For Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow.
 4. Dr. Preeti Misra "Prospects and consequences of globalization with special reference to women in India" in International Conference on "Scientific And Technological Advancement: Social Issues And Health Concerns" held on 18th-19th February, 2014 Babasaheb Bhimrao Ambedkar University, Lucknow.
 5. Dr. Preeti Misra "Good Governance and Protection of Human Rights: An Analysis" In International Seminar on "Global Politics and Governance in 21st Century: Emerging Trends and Global Concerns" held in the Dept. of Political Science, Babasaheb Bhimrao Ambedkar University, Lucknow on 22 & 23 March 2014.
 6. Dr. Preeti Misra "Buddhism And Sexism: Momentum Towards Gender Equality" In International Seminar on "Indian Buddhism in its Social Context: From Sakyamuni Buddha to the Present" held in the Dept. of History, Babasaheb Bhimrao Ambedkar University, Lucknow on 27 & 28 March 2014.
 7. Dr. Rashida Ather Presented a paper on Status of Right to Education in India: a Case of Uttar Pradesh, in two days International Seminar organised by Department of Human Rights, BBA University, Lucknow, on the theme of "Human Rights Law, Justice and Governance", held on 26-27th April, 2013
 8. Dr. Rashida Ather Co Presenter of a paper on A Critical Analysis of Right to Education Act, 2009: Issues and Challenges in two days International Seminar organised by Department of Human Rights, BBA University, Lucknow, on the theme of "Human Rights Law, Justice and Governance", held on 26-27th April, 2013
 9. Dr. Rashida Ather Presented a paper on Depiction of Human Rights Values in the work of Persian Poet Sa'di in three days international seminar, on the theme Contribution of Awadh to the Development of Persian and Arabic Language & Literature, organised by department of Oriental Persian and Arabic, University of Lucknow, held on 8-10, February, 2014
 10. Dr. Rashida Ather Presented a paper on Women Empowerment in India : A challenge for 21st Century in two days International Conference organised by School for Home Science, BBA University, Lucknow, on the theme of "Scientific And Technological Advancements: Social Issues And Health Concerns", held on 18-19th February, 2014
 11. Dr. Rashida Ather Presented a paper on Austere Effects of Climate Change on the Rights of Humans: A socio Legal Study in India in two days International Conference on the theme of Mitigating Climate Change with Special Reference to Developing Countries, organised by Dr. Ram Manohar Lohiya National Law University, Lucknow, held on 28-30th March, 2014
- Paper Presented In National Seminar:**
1. Prof. S. K. Bhatnagar Paper on "Global Distributive Justice: An Indian Quest" in National Seminar on "Ambedkarite Quest for Egalitarian Revolution" at Kurukshetra University on 7 Nov. 13.
 2. Prof. Priti Saxena Presented a Paper on "Purity, Rituals and Environmental Pollution" in National Seminar "Environmental Pollution: Problems and Perspectives" organized by Dept. of Law, Babasaheb Bhimrao Ambedkar University, Lucknow on 19th -20th January 2014
 3. Prof. Priti Saxena Presented a Paper as Resource Person on Legislation and Administrative Action in independent India in National Seminar on "Women Empowerment towards Gender Equality" organized by Khwaja Moinuddin Chishti Urdu, Arabi-Farsi University, Lucknow on 5th -7th March, 2014.
 4. Prof. Priti Saxena Presented a Paper on "Injustice With Sexual Orientation Group: A Blow on Social Justice" in Second Lucknow Social Science Congress (LUCSSC 2014) on "Public Accountability, Inclusive

- Growth and Social Transformation" held in Babasaheb Bhimrao Ambedkar University, Lucknow on 6th -7th March 2014
5. Prof. Priti Saxena Presented a Paper on "Human Rights of Differently Abled Persons with Special Reference to "The Rights of Persons with Disabilities Bill, 2014" in National Seminar on "Differently-Abled Person in India: Reality & Challenges" organized by CSSEIP, Babasaheb Bhimrao Ambedkar University, Lucknow on 10th - 11th March 2014
 6. Dr. Preeti Misra in National Seminar on "Discrimination, Identity and Philosophy of Dr. Ambedkar" on 8th and 9th April 2013 organized by Dr. Ambedkar Studies Centre & Dept. of Sociology, Babasaheb Bhimrao Ambedkar University, Lucknow
 7. Dr. Preeti Misra "Administration of Criminal Justice and Economic Analysis of Crime with Special Reference to Organized Crime" in National Seminar organized by AIRO and Dept. of Ancient Indian History and Archaeology, University of Lucknow on the theme "History of Crime and Economy in Existing Society and Future Challenges" held on 12th & 13th November, 2013
 8. Dr. Preeti Misra "Interrelationship Between Ecology, Environment and Green Consumer: An Assessment" in National Seminar "Environmental Pollution : Problems and Perspectives" organized by Dept. of Law, Babasaheb Bhimrao Ambedkar University, Lucknow on 19th - 20th January 2014
 9. Dr. Preeti Misra "Right to Health and Tribal Woman: A Study on Dhankut Women of District Bahraich, Uttar Pradesh" in National Seminar on "Women's Health in India: Issues and Concerns" organized by Advanced Centre For Women's Studies, Aligarh Muslim University, 1-3 February 2014
 10. Dr. Preeti Misra "Human Rights & Good Governance: Role of Indian Judiciary" in National Seminar on "Human Rights and Indian Constitution with Special Reference to Judiciary" held in Dept. of Law, K.S. Saket P.G. College, Ayodhya, Faizabad (UP) on 1&2 March 2014
 11. Dr. Preeti Misra "Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013: A Critical Appraisal" in Second Lucknow Social Science Congress (LUCSSC 2014) on "Public Accountability, Inclusive Growth and Social Transformation" held in Babasaheb Bhimrao Ambedkar University, Lucknow on 6th -7th March 2014
 12. Dr. Preeti Misra Paper presented in One Day National Symposium on "Women Empowerment; Attitude of Men (Socio-Legal Perspective)" organized by AIRO & Dr. Rajendra Prasad Degree College, Lucknow on 8th March 2014 in Press Club Lucknow
 13. Dr. Preeti Misra "Protection of Rights of Persons with Disabilities: Critical Appraisal of PWD Act, 1995" in National Seminar on "Differently-Abled Person in India: Reality & Challenges" organized by CSSEIP, Babasaheb Bhimrao Ambedkar University, Lucknow on 10th -11th March 2014
 14. Dr. Preeti Misra "Information Security: Current Issues & Challenges" in National Seminar on "Information Security Challenges (NCISC-2014)" organized by Dept. of I.T., Babasaheb Bhimrao Ambedkar University, Lucknow on 28th March 2014
 15. Dr. Shashi Kumar Presented a paper entitled, "Role of Human Rights Organisations and Its Protection of Human Rights in India" at National Seminar on 'Human Rights and Social Justice' organized by Department of Law, K S Saket P.G.College, Ayodhya-Faizabad (UP) on 8th December 2013.
 16. Dr. Shashi Kumar Presented a paper entitled, " Human Rights in India : Contemporary Challenges and Its Solution " at National Seminar on ' Human Rights Day on theme *Human Rights in India : Contemporary Challenges* organized by Department of Human Rights, School for Legal Studies, BBAU on 10 December 2013
 17. Dr. Shashi Kumar Presented a paper entitled, " Democracy and Human Rights in India : Contemporary Challenges and Issues " at Indian Social Science Congress, organized by Aligarh Muslim University

- and Indian Academy of Social Science, on 27-31st December 2013.
18. Dr. Shashi Kumar Presented a paper entitled, " Environmental Pollution and Climate Change " at National Seminar on ' Environmental Pollution: Problem and Perspectives' organized by Department of Law, School for Legal Studies, BBAU on 19-20th January 2014
 19. Dr. Shashi Kumar Presented a paper entitled, "Promotion of Human Rights Culture in Globalised World: A Need of an Hour" at International Conference on "Scientific and Technological Advancements: Social Issues and Health Concerns" organized by School of Home Sciences, BBAU on 18-19th February 2014
 20. Dr. Shashi Kumar Presented a paper entitled, "Climate Change and Problem of Sustainable Development in India: A Human Rights Perspective" at International Conferences on 'Environmental Technology and Sustainable Development: Challenges and Remedies" organized by Department of Environmental Sciences, BBAU on 21-23rd February 2014
 21. Dr. Shashi Kumar Presented a paper entitled, " Disability Rights Movement in India : A Perspective from Right based Approach" at National Seminar on "Differently-Abled Person in India: Realty and Challenges" organized by Centre for Study of Social Exclusion and Inclusive Policy, BBAU on 10-11th March, 2014
 22. Dr. Shashi Kumar Presented a paper entitled, "Human rights Agenda in Era of Globalisation: Issues and Concern" at International Seminar on "Global Politics and Governance in 21st Century: Emerging Trends and Global Concerns" organized by Department of Political Science, BBAU on 22- 23rd March 2014
 23. Dr. Shashi Kumar Presented a paper entitled, "Buddhism and Human Rights: An Ethical Relationship" at International Conference on "Indian Buddhism in Its Social Context: from Sakyamuni Buddha to the Present" organized by Department of History, BBAU on 27- 28th March, 2014
 24. Dr. Shashi Kumar Presented a paper entitled, " Climate Change and Sustainable Development in India: A Human Rights Perspective" at International Conference on "Mitigating Climate Change with Special Reference to Developing Countries" organized by Dr. Ram Manohar Lohiya National Law University, Lucknow –UP on 28- 30th March, 2014
 25. Dr. Rashida Ather Presented a paper on Relevance of Dr. Ambedkar's Ideas to Achieve Social Justice in Contemporary India" in two days National Seminar organised by Dr. Ambedkar Studies Centre & Department of Sociology, BBA University, Lucknow on the theme of Discrimination, Identity & Philosophy of Dr. Ambedkar held on 8-9 April, 2013
 26. Dr. Rashida Ather Presented a paper on Dr. Ambedkar's Views on Social Justice in two days International Seminar organised by School for Ambedkar Studies, BBA University, Lucknow, on the theme of Transcending Caste: Dr. B. R. Ambedkar and Social Democracy in Contemporary India",held on 14th -15th April, 2013
 27. Dr. Rashida Ather Presented a paper on Status of Right to Education in India: a Case of Uttar Pradesh, in two days International Seminar organised by Department of Human Rights, BBA University, Lucknow, on the theme of "Human Rights Law, Justice and Governance",held on 26-27th April, 2013
 28. Dr. Rashida Ather Co Presenter of a paper on A Critical Analysis of Right to Education Act, 2009: Issues and Challenges in two days International Seminar organised by Department of Human Rights, BBA University, Lucknow, on the theme of "Human Rights Law, Justice and Governance",held on 26-27th April, 2013
 29. Dr. Rashida Ather Presented a paper on Analysing the Status of Child Rights in India: A Human Rights Perspective in two days National Seminar organised by All India Rights Organisation (AIRO) &Department of Human Rights, BBA University, Lucknow, on the theme of History of Crime and Economy In Existing Society and Future Challenges" held on 12 -13 November, 2013
 30. Dr. Rashida Ather Presented a paper Muslims in the Developmental Debate in India: A Study of Millennium

- Developmental Goals with Special Reference to Extreme Poverty & Primary Education in one day UGC sponsored National Seminar, organised by Department of Law, K. S. Saket P. G. Coolege, Ayodhya on the theme of Human Right and Social Justice held on 7 December, 2013
31. Dr. Rashida Ather Presented a paper on Development, Democracy & Human Rights: An Indian Overview" In one day national symposium, organised by Department of Human Rights, BBA University, Lucknow, on the theme of "Human Rights in India: Contemporary Challenges ", held on 10th December, 2013
 32. Dr. Rashida Ather Presented a paper on Environmental Protection in Armed Conflict: A Human Rights Perspective") in two days National Seminar organised by Department of Law, SLS, BBA University, Lucknow, on the theme of Environmental Pollution: Problems and Perspectives held on January, 19th -20th , January, 2014
 33. Dr. Rashida Ather Presented a paper on Depiction of Human Rights Values in the work of Persian Poet Sa'di in three days international seminar, on the theme Contribution of Awadh to the Development of Persian and Arabic Language & Literature, organised by department of Oriental Persian and Arabic, University of Lucknow, held on 8-10, February, 2014
 34. Dr. Rashida Ather Presented a paper on Women Empowerment in India : A challenge for 21st Century in two days International Conference organised by School for Home Science, BBA University, Lucknow, on the theme of "Scientific And Technological Advancements: Social Issues And Health Concerns", held on 18-19th February, 2014
 35. Dr. Rashida Ather Presented a paper on Approach To Primary Education In India: A Study of 12th Five Year Plan in two day Second Lucknow Social Science Congress, on the theme of Public Accountability, Inclusive Growth and Social Transformation, Conference organised by School for ASEDS, BBA University, Lucknow, held on 6-7th of March, 2014
 36. Dr. Rashida Ather Presented a paper on Gender Stereotypes and Attitudes Toward Women and Men one day national symposia on theme of Women Empowerment: Attitude of Men (Socio-Legal Perspective), organised by ALL India Rights Organisations (AIRO), on 8 March, 2014
 37. Dr. Rashida Ather Presented a paper on Austere Effects of Climate Change on the Rights of Humans: A socio Legal Study in India in two days International Conference on the theme of Mitigating Climate Change with Special Reference to Developing Countries, organised by Dr. Ram Manohar Lohiya National Law University, Lucknow, held on 28-30th March, 2014
- C.8 Session chaired at seminars/conferences/workshops etc.**
1. Prof. S. K. Bhatnagar Presided Valedictory Session of the National Seminar on Ambedkarite Quest for Egalitarian Revolution at Kurukshetra University on 7 Nov. 14.
 2. Prof. Priti Saxena Presided Valedictory Session in One day National Symposium "Human Rights in India: Contemporary Challenges" organized by Dept. of Human Rights, Babasaheb Bhimrao Ambedkar University, Lucknow on 10th December 2013
 3. Prof. Priti Saxena Chaired a Session on the theme "Constitutional & Legal Perspectives" in National Seminar on "Environmental Pollution: Problems and Perspectives" organized by Dept. of Law, Babasaheb Bhimrao Ambedkar University, Lucknow on 19th -20th January 2014
 4. Prof. Priti Saxena Chaired a Session on the theme "State, Social Justice And Emerging Challenges" in Second Lucknow Social Science Congress (LUCSSC 2014) on "Public Accountability, Inclusive Growth and Social Transformation" held in Babasaheb Bhimrao Ambedkar University, Lucknow on 6th -7th March 2014.
 5. Prof. Priti Saxena Chaired a Session on the theme "Policies in India for Differently Abled Persons" in National Seminar on "Differently-Abled Person in India: Reality & Challenges" organized by CSSEIP, Babasaheb Bhimrao Ambedkar University, Lucknow on 10th -11th March 2014.

6. Prof. Priti Saxena Director of International Conference on "Human Rights Law, Justice and Governance" on 26 & 27 April 2013 organized by School For Legal Studies, Babasaheb Bhimrao Ambedkar University, Lucknow.
7. Prof. Priti Saxena Patron of National Seminar on "Awareness among the Women Regarding their Rights & Duties", in Organized by Committee of Basic Facilities for Women Babasaheb Bhimrao Ambedkar University, 14th March 2014.
8. Prof. Priti Saxena Patron of National Seminar on "Environmental Pollution: Problems and Perspectives" organized by Dept. of Law, Babasaheb Bhimrao Ambedkar University, Lucknow on 19th - 20th January, 2014.
9. Dr. Preeti Misra Chaired a Session in National Seminar on "Discrimination, Identity and Philosophy of Dr. Ambedkar" on 8th and 9th April 2013 organized by Dr. Ambedkar Studies Centre & Dept. of Sociology, Babasaheb Bhimrao Ambedkar University, Lucknow
10. Dr. Preeti Misra Chaired a Session "Legal Practices Against Crime in Historical and Modern Context" in National Seminar organized by AIRO and Dept. of Ancient Indian History and Archaeology, University of Lucknow on the theme "History of Crime and Economy in Existing Society and Future Challenges" held on 12th & 13th November, 2013
11. Dr. Preeti Misra Chaired a Session in National Workshop on Human Rights & Social Justice organized by Dept. of Law, K.S. Saket P.G., Ayodhya held on 7th Dec. 2013
12. Dr. Preeti Misra Chaired a Session in One day National Symposium "Human Rights in India: Contemporary Challenges" organized by Dept. of Human Rights, Babasaheb Bhimrao Ambedkar University, Lucknow on 10th December 2013
13. Dr. Preeti Misra Chaired a Session "Environmental Pollution: Constitutional & Legal Perspectives" in National Seminar "Environmental Pollution: Problems and Perspectives" organized by Dept. of Law, Babasaheb Bhimrao Ambedkar University, Lucknow on 19th -20th January 2014
14. Dr. Preeti Misra Chaired a Session in National Seminar on "Differently-Abled Person in India: Reality & Challenges" organized by CSSEIP, Babasaheb Bhimrao Ambedkar University, Lucknow on 10th - 11th March 2014
15. Dr. Shashi Kumar Chaired a Session at National Seminar on ' Human Rights Day on theme Human Rights in India : Contemporary Challenges organized by Department of Human Rights, School for Legal Studies, BBAU on 10 December 2013
16. Dr. Shashi Kumar Chaired a Session on Environmental Pollution: Human Rights Perspective at Seminar on ' Environmental Pollution: Problem and Perspectives' organized by Department of Law, School for Legal Studies, BBAU on 19-20th January 2014
17. Dr. Rashida Ather, Co chair in one day national symposium, organized by Department of Human Rights, BBA University, Lucknow, on the theme of "Human Rights in India: Contemporary Challenges", held on 10th December, 2013

II. DEPARTMENT OF LAW

About the Department

The Department of Law started from Session 2008-09 within the School for Legal Studies offering four-Semester LL.M and Ph.D. programmes in Law. The main objective of the Department is to impart quality legal education and to prepare the students for socially responsible, make them self-employed, and well-placed in Supreme Court of India,

High Courts, national and international organizations, non-governmental organizations, reputed corporate law firms, multi-national corporations, Banks and Bar. The objective is also to give them skills to develop art of advocacy and Para-logic for any social issues relating to the present day problem. During the course, emphasis is also given to acquaint the students with modern areas of law such as Intellectual Property law,

environmental law, Law and Sustainable Development, Law and Bio-technology, Information Technology Law, ADR and Arbitration Law, Cyber Laws, International Trade Law etc. Further constant efforts are made

specialization in Laws and thus enriching the inter-disciplinary, comprehensive and multidimensional curriculum and research programme.

A. Faculty Details

Name	Designation	Qualification	Area of Specialization
Dr. Sudarshan Verma	Head, Associate Professor	LL.M., Ph.D. (Kumaun University, Nainital)	Constitutional Law, Law of Torts, Administrative Law, Women and Law.
Ms. Sufia Ahmed	Assistant Professor	LL.M. (NET-JRF)	Intellectual Property Law, Environmental Law, Criminal Law, Taxation, Family Law.
Dr. Anis Ahmad	Assistant Professor	LL.M. (NET)	Environmental Law, Jurisprudence, Intellectual Property Law, Alternative Resolution System.
Dr. Pradeep Kumar	Assistant Professor	LL.M. (NET)	Criminal Law, Intellectual Property Law, Administrative Law.

to develop a taste amongst the students in the current areas of national international issues relating to climate change and disarmament (nuclear weapons) are deliberated in Seminars and Conferences with the objective to sharpen their argument and develop legal reasoning.

Objective

- To evolve and impart comprehensive legal education and to achieve excellence.
- To produce able, competent and humane, Teachers, lawyers, social activist, judicial officers, legal adviser in governmental and non-governmental organization.
- To promote advance studies and research in all branches of law
- To inculcate cultural, legal and ethical values with a view to foster the rule of law and the objective enshrined in the constitution of India.
- To empower the citizen through legal awareness by making them aware of their rights and duties.

The department is going to open different Centre's of excellence in area of Law and Governance, Environmental Law, Intellectual Property Law, Health Care Laws, ADR, Disaster Management and Law etc in coming future.

Academic Profile (Teaching and Research)

Department has one Professor, one Associate Professor and three Assistant Professors at present. Faculty members are having different

A. Departmental Level Academic Activities

- STUDENT'S ACADEMIC FORUM:** Department of Law, School for Legal Studies BBAU, Lucknow initiated Law Student's Academic Forum in the year 2012. The forum aimed to equip students with necessary skills of debating and discussion and train them in honing up their communication skills especially in argument, motivation, and in the development of leadership qualities in the order of constructing and structuring a powerful student community towards a powerful society. The forum in particular takes up new and emerging issues in legal academia to fill the gap between theory and practice when the implementation of law comes in the broader ambit of social *milieu*.
- Community Legal Literacy and Consultancy/ Mediation Cell (CLLCM):** The Department has established a Community Legal Literacy and Consultancy/ Mediation Cell (CLLCM) in the Deptt. to disseminate the legal knowledge among the Rural - Urban poor's /illiterate's/ Indigent residents of nearby villages of the University. Free Legal Consultancy/ Mediation service will also be provided by the teachers/Ph.D. students of the Department to poor and illiterate people. For this purpose Department is also try to negotiate with the State Legal Service Authority Uttar Pradesh to provide the free legal aid to the poor's /illiterate's/ Indigent.

- iii. **Departmental Placement and Career Counselling Cell:** Placement and Career counselling Cell at the Departmental level was established to guide and supervise to the students for PCSJ, APO, and other competitive examinations.

Conference, Seminars Organized by the Department

1. Organized an International Conference on "Human Rights, Law, Justice and Governance", at School level by School for Legal Studies, BBAU, Lucknow on 26th-27th April 2013.
2. Organized a National Seminar on Environmental Pollution: Problems and Perspectives organized by Department of Law, SLS, Babasaheb Bhimrao Ambedkar University Lucknow on 19th- 20th January 2014

Lectures organized by the Department:

1. Prof. Mir Mirraz Uddin Head and Dean University of Kashmir
2. Prof. Prem Nath, Professor of Law, Punjab University
3. Prof. Meenu Paul, Professor of Law, Punjab University

B.1 Paper Published

Dr. Sudarshan Verma

1. Roots, Rationale and Judicial Outlook on Killing in the Name of Honour: A Solution Based Scrutiny published in Indian Bar Review, Vol. XXXIX (4) 2012, page. 43-74. (Co author- Prof. Priti Saxena)
2. Uchit Parishramik Prapt Karne Ka Manavadhikar Evam Karagar Bandi: Ek Avalokan, published in Vaichariki, A Multidisciplinary Refereed International Research Journal, Vol. Issue 4 December 2013 ISSN 2249-8907, page. 289-295
3. Judicial Scale on Environment Protection between Developmental Activities And Economic Development, published in Jigyasa, An Interdisciplinary Refereed Research Journal, Vol. VI No. 4 December 2013 ISSN 0974-7648, page. 186-195

Dr. Anis Ahmed:

1. Anis Ahmad and Jitendra Singh Yadav,

"Solid Waste Management in India: A Socio-Legal Study "Vol. 4. Issue No. 2 *Journal of Minority Rights*, Pune (July-2013)

2. Badruddin and Anis Ahmad, "Intellectual Property Rights Regime and Its Impacts on Human Rights in India: A Critical Appraisal" Vol.1.Issue 1. *International Journal of Culture, Society & Law* (2014).ISSN No. -2348-1250.

B.2 Lectures Delivered

Dr. Sudarshan Verma:

1. Delivered a Lecture in the National Seminar on "Awareness Among The Women Regarding Their Rights And Duties", organized by Committee of Basic Facilities For Women, Babasaheb Bhimrao Ambedkar University Lucknow on 14th March 2014.

Dr. Anis Ahmed:

1. Delivered Lecture on "Legal Education in India: Issues and Challenges" on 29th May, 2014 organized by the Institute of Law & Research, Faridabad, Haryana.

B.3 Membership in various government and other bodies

Dr. Sudarshan Verma

- Life Member Indian Association for Social Sciences and Health (IASSH)

Mrs. Sufia Ahmad

- Life member of All India Rights Organization

Dr. Anis Ahmed:

- Member Editorial Board, International Journal "Culture, Society and Law". New Delhi

Dr. Pradeep Kumar

- Life Member All India Law Teacher's Congress

B.4 Paper Presented in Seminars/Conferences/Workshops

Dr. Sudarshan Verma

1. Presented a paper on "Pronnati Main Arakshan Samajik Nyay Ka Adhar" in National Seminar on "Discrimination, Identity and Philosophy of Dr. Ambedkar",

organized by Dr. Ambedkar Centre & Department of Sociology, BBAU, Lucknow on 8th-9th April 2013

2. Presented a paper on " Human Rights Of Women Prisoners In India: An Evaluation" in National Symposium on Human Rights in India: Contemporary Challenges, organized by Department of Human Rights, School for Legal Studies, BBAU, Lucknow on 10th December 2013.
3. Presented a paper on "Industrial Hazardous Waste: A Leading Threat to the Environment" in National Seminar on Environmental Pollution: Problems and Perspectives organized by Department of Law, SLS, Babasaheb Bhimrao Ambedkar University Lucknow on 19th- 20th January 2014
4. Presented a paper on "The Role of Judiciary in Protection of Environment" in National Seminar on Environmental Pollution: Problems and Perspectives organized by Department of Law, SLS, Babasaheb Bhimrao Ambedkar University Lucknow on 19th- 20th January 2014.
5. Presented a paper on "Injustice with Sexual Orientation Group: A Blow on Social Justice" in Second Lucknow Social Science Congress (LUCSSC-2014) on "Public Accountability, Inclusive Growth and Social Transformation", organized by Babasaheb Bhimrao Ambedkar University Lucknow on 06th- 7th March 2014
6. Presented a paper on "Human Rights of Differently Abled Persons with Special Reference to Rights of Persons with Disabilities Bill, 2014" in the National Seminar organized by Center for the Study of Social Exclusion and Inclusive Policy, Babasaheb Bhimrao Ambedkar University Lucknow on 10th- 11th March 2014
7. Presented a paper on "Challenges of Internet Security and it's Legal protection under Information Technology Act 2000" in National Conference on "Information Security Challenges" organized by Department of Information Technology, BBAU, Lucknow, on 28 March , 2014.

Papers in International Seminars:

1. Presented a paper on "Ambedkar's Idea of Social Justice Enriching Democratic Values"

in International seminar organized by School for Ambedkar Studies, BBAU, Lucknow on 14th-15th April 2013.

2. Presented a paper on Human Organ Donation a Medium to Accomplish Basic Needs: Concern of Human Rights Defiance in International seminar on Human Rights, Law, Justice and Governance, organized by School for Legal Studies, BBAU, Lucknow on 26th-27th April 2013.
3. Presented a paper on, " Female Feticide in India: a Misuse of Advancements of Pre Natal Diagnosis Techniques" in International Conference on "Scientific and Technological Advancements: Social Issues and Health Concerns" organized by School of Home Science, SLS,BBAU, Lucknow, on 18-19 Feb , 2014
4. Presented a paper on "Integrated Approach & International Cooperation for Disaster risk reduction with special reference to Disaster Management Act 2005" in International Conference on "Mitigation Climate Change With Special Reference to Developing Countries" organized by Dr. Ram Manohar Lohia National Law University Lucknow, on 28-30 March , 2014.

Dr. Anis Ahmad:

- Presented paper on "Ambedkar's Vision on Directive Principles of State Policy under Indian Constitution" in International Seminar on Transcending Caste: Dr. B.R. Ambedkar and Social Democracy in Contemporary India on 14-15 April 2013. Organized by School for Ambedkar Studies BBAU, Lucknow.
- Presented paper on "Role of Judiciary in realization of socio- economic rights under Indian Constitution" in National Workshop on Human Rights & Social Justice on 07th Dec, 2013 organised by Department of Law, K.S. Saket P.G. College, Ayodhya, Faizabad.
- Presented paper on "Radiation Pollution in India: Rethinking on effective Regulation" in National Seminar on "Environmental Pollution: Problems & Perspectives on 19-20 Jan, 2014 organized by the Department of Law , SLS,BBAU, Lucknow,
- Presented paper on "Food Safety and Standards Act, 2006: An Assessment" in international Conference on "Scientific and

Technological Advancements: Social Issues and Health Concerns” on 18-19 Feb, 2014 organized by School of Home Science, SLS, BBAU, Lucknow.

- Presented paper on “Human Right to Health Care in India: Perspective of Realisation” in two days National Seminar on Human Rights and Indian Constitution with Special Reference to Judiciary on 1&2 March, 2014 organised by Department of Law, K.S. Saket P.G. College, Ayodhya, Faizabad.
- Presented paper on “Inclusion of Differently-able Persons in India: A Socio-Legal Perspective” in National Seminar on “Inclusive Policy for the Differently able Person in India: Reality & Challenges” on 10-11 March 2014, organized by the Centre for the Study of Social Exclusion and Inclusive Policy, BBAU, Lucknow.
- Presented paper on “Sustainable Development and Law: An assessment in Indian Context in National Seminar on “Law and Social Justice in India” on 08-09 March 2014, organized by the Faculty of Law, M. D. University, Rohtak.

Participated in Seminars/ Conferences/ Workshops

- Participated in one day National Conference on “Information security Challenges” on 28th March, 2014 organized by Department of Information Technology, BBAU, Lucknow.

Dr. Pradeep Kumar :

1. Presented paper on “Human Rights of Elderly Person: Meeting the Challenges is the need of the Hours” One days National Workshop on Human Rights and Social Justice on 7 Dec. 2013 organized by Department of Law, K. S. Saket P. G. College, Ayodhya, Faizabad.
2. Presented paper on “Control of Air Pollution: Duty and Legal obligation” Two days National Seminar on Environmental Pollution: Problems and Perspectives on 19-20 Jan 2014 organized by the Department of Law, SLS, BBAU, Lucknow.
3. Presented paper on “Empowerment of Women in India: A Legal View Point” Two days International Conference on Scientific and Technological Advancements: Social

Issues and Health Concerns on 18-19 Feb. 2014 organized by School of Home Science, BBAU, Lucknow.

4. Presented paper on “Right to Shelter and the Indian Supreme Court” Two Days National Seminar Human Rights and Indian Constitution with Special Reference to Judiciary on 1-2 March 2014 organized by Department of Law, K. S. Saket P. G. College, Ayodhya, Faizabad.
5. Presented paper on “Law and Policies for Disabled Persons in India: A Critical Study” Two Days National Seminar on Differently-Abled Person in India: Reality & Challenges on 10-11 March 2014 organized by CSSEIP, BBAU, Lucknow.

B.5 Session Chaired in Seminars/ Conferences/Workshops

Dr. Sudarshan Verma

1. Chaired a session in National Seminar on “Discrimination, Identity and Philosophy of Dr. Ambedkar”, organized by Dr. Ambedkar Centre & Department of Sociology, BBAU, Lucknow on 8th-9th April 2013
2. Chaired a session in International Seminar on Human Rights, Law, Justice and Governance, organized by School for Legal Studies, BBAU, Lucknow on 26th-27th April 2013.
3. Chaired a session in National Symposium on Human Rights in India: Contemporary Challenges, organized by Department of Human Rights, School for Legal Studies, BBAU, Lucknow on 10th December 2013.
4. Judge in Poster Presentation in the National Seminar on Environmental Pollution: Problems and Perspectives organized by Department of Law, SLS, Babasaheb Bhimrao Ambedkar University Lucknow on 19th- 20th January 2014
5. Chaired a session in the National Seminar on Environmental Pollution: Problems and Perspectives organized by Department of Law, SLS, Babasaheb Bhimrao Ambedkar University Lucknow on 19th- 20th January 2014
6. Chaired a session in Second Lucknow Social Science Congress (LUCSSC-2014) on “Public Accountability, Inclusive Growth and Social

Transformation", organized by Babasaheb Bhimrao Ambedkar University Lucknow on 06th- 7th March 2014

Dr. Anis Ahnmad

7. Co- chair a session in two days National Seminar on Environmental Pollution: Problems and Perspectives on 19-20 Jan 2014 organized by the Department of Law, SLS, BBAU, Lucknow.

Dr. Pradeep Kumar

1. Co- chair a session in two days National

Seminar on Environmental Pollution: Problems and Perspectives on 19-20 Jan 2014 organized by the Department of Law, SLS, BBAU, Lucknow.

B.6 Achievements

- One student has been appointed APO in U. P. Government
- Seven Students have qualified UGC-NET examination for Lectureship in Dec-2010.
- Two Students got UGC Junior Research Fellowship (JRF).



SCHOOL FOR MANAGEMENT STUDIES

Dean (i/c): Prof. R.P.Singh

INCEPTION

The school for Management Studies (SMS) started in the university in the year 2010. The School endeavors to produce professionally competent and socially sensitive managers to contribute to fulfill the managerial needs at regional, national and global levels. There are innumerable management departments, schools and institutes that impart management education, and their emphasis is on providing mainly professional skills and training. However, this School aspires to provide quality professional

skills along with social sensitivity to the students so that they could succeed professionally and also contribute to the development of the marginalized sections of the society. The professional competence of academicians and their value added moorings enable students which would facilitate their career growth, job satisfaction and social fulfillment. Currently, the School has Department of Rural Management which offers two -year MBA in Rural Management, MBA in Human Resource and Ph.D. Program. More departments and courses would be added to the School in the coming years with an emphasis on quality professional education and noble valuation moorings.

I. DEPARTMENT OF RURAL MANAGEMENT

Head/Coordinator: Dr. Kushendra Mishra

ESSENCE

The Department of Rural Management was established under the School for Management Studies in the year 2010. The main objective of the department is to produce socially, culturally and economically sensitive leaders in the fields of management in general and Rural Management in particular. India is still a predominantly rural nation as majority of the people live in rural areas and are dependent on agriculture and allied sectors. Rural India needs large professionally trained and socially sensitive manpower to meet the needs of farmer's organizations, agro-based industries, NGOs, and other rural sectors and segment of society. The idea is to fill the huge demand-supply gap of professionally-trained managers to cater especially to the needs of rural sectors.

Currently, the department offers Two Year (4Semester)MBA in Rural Management, MBA in Human Resource and Ph.D in Management. The department has been run with the help of a team of experience, well-qualified and highly motivated faculty. Concerted efforts have been made to take it to a great height in terms of quality teaching through regular lectures, seminars, and field visits by students. As a matter of policy, the

department lays emphasis on teaching, inter-disciplinary research, and concurrent field work.

Following new courses have been also initiated from the coming academic year July '2014.

- MBA in Marketing Management
- MBA- Executive Management
- MBA in Media Business Management
- MBA in Tourism
- M. Phil in Management

M.B.A.-Marketing Management:

MBA-Marketing is much sought after course in today's fastest growing economy across the globe. The students with MBA-Marketing are in much demand everywhere. After successful completion of MBA-Marketing, a student can well be placed with both national and multinational companies in the areas of marketing at suitable position starting from marketing executive, marketing manager to president-marketing. They can be placed as national marketing manager to global marketing managers etc. The packages are very lucrative and the placement opportunities are very high.

MBA-Executive Management:

This course is exclusively designed for the working groups who cannot afford to pursue MBA

during their office hour. This course will help in promoting their career and raising the monetary benefits from their own parental organization.

MBA-Media Business Management:

Media in all forms like electronic, printing and radio is playing a vital role in changing the shape of a country and is helping in raising the voice of the common man. There is huge dearth of skilled people in this field. The conventional courses are finding it difficult to match the demand and supply gap. MBA-Media Management students can be placed with all forms of media in marketing, production, reporting, presenting and other allied services. The students with MBA-Media management can expect good remuneration right from the entry level to the top of the organization.

MBA-Tourism Management:

Tourism is the most happening sector in recent days. The cultural heritage of Uttar Pradesh in particular and India in general needs huge number of skilled manpower in this sector. The students having MBA-Tourism management can be placed with hotel, airlines, tourist destination as tourist guide, Educator and executives. The students after successfully completing MBA- Tourism Management can be placed quickly with good remuneration at all levels. With multinational companies jumping into fray have opened up the wider scope for the students of MBA-Tourism Management.

M.Phil. in Management:

The research has undergone metamorphosis and the above program has created a niche in research space. It has provided a much needed impetus to the students inclined to embark upon newer journeys of research and development motives.

Objectives

1. To produce socially conscious managers who can contribute to the growth of economy and country.
2. To interact with R&D Organizations for conducting joint research work involving faculty and students/research scholars etc.
3. Signing MOU's with industry and

Institutes. Setting up of technology parks in collaboration with alumni and industry for cost effective opportunity for R&D leading to marketable products.

RESEARCH PURSUITS

Basic Research Program: The school for management studies has always been working actively in its pursuit of excellence in various research initiatives. Keeping in tandem with its vision, it has been keeping up its name with the flagship program of PhD in Management which started in the year 2010. It has gained strength and momentum in last three years and the numbers of students enrolled in Doctoral programs are already eighteen. Further, it has also revived MPhil in Management program this year creating a niche in ongoing research space. Currently, twenty seven students are enrolled in MPhil program contributing to varied innovative fields of Management as diverse as data analytics to strategic human resource management.

Applied Research: It has also been actively pursuing research in various applied dimensions of Management. The entire spirit and essence seems to be at its forefront when research focuses on the applied areas of Management. The department has been actively involved in creating and nurturing research practices which always add value to the existing Management literature and such literature always has a high worth for any organization seeking to make decisive changes.

Industry Oriented Research: It has always focused on a market oriented research which could give a cutting edge to its research programs compared to any other research initiatives taken all over the country. It has been actively involved in talks with senior heads from research wings of reputed companies. Most projects are based on industry specific issues and have its own value which forms its core competency. It has been actively engaged in signing up of Memorandum of Understanding with a number of organizations which will materialize very soon

Placement Prospects

A centralized placement cell is working to place students with different organizations. Those who successfully complete the MBA program are expected to be placed with NGOs, government organizations, private enterprises, rural

industries, cooperatives banks and financial and other institutions. There are growing opportunities with multinational companies, which are seeking entry into the huge, untapped rural markets particularly in sectors such as power, production, industry, agriculture. The students of the department would be well-equipped with the required professional competence to work as managers, analysts and consultants advising on operational efficiency and improvements, especially with a touch of social sensitivity. Grounded firmly in its relatively short but rich legacy, the department is poised to traverse new heights and unknown horizons.

All students of the Department have completed their Project and Dissertation work from various renowned companies like NTPC

Limited (A Govt. of India Enterprise), Rural Electrification Corporation Ltd (A Govt. of India Enterprise), Bank of Baroda, ITI Limited (A Govt. of India Undertaking), KRIBHKO, BIRD (Lucknow), FCI, IFFCO, WALMI, MNREGA, World Vision, U.P. State Agro Industrial Corporation Limited etc.

Forthcoming Innovative Courses at a Glance

The Department is planning to launch programs and certification courses at undergraduate level. One of these is to start Bachelors in Business Administration course with various specialisations. The program intends to equip students with managerial skills from the very onset of practical and applied studies.

Faculty Profile

Sl. No.	Name	Qualification	Designation	Area of Specialization
1	Dr. Kushendra Mishra	Ph.D.	Coordinator	Strategic Management, Operations Management, Supply Chain Management, Business Mathematics
2	Dr. M.S. Khan	Ph.D.	Associate Professor	International Business, Marketing, Rural Marketing, Strategic Management, International Marketing
3	Mr. AbhilashBabu	M.Phil.	Assistant Professor	Rural Development, Decentralization, Participatory Development, Water Governance.

Departmental Level Academic Activities

Seminars/Conferences participated by Faculty	Seminars/Conferences organized by Faculty	Research Papers presented	Research Papers published	Chapters in Books/ Books published
30	02	20	10	04

Academic Activities of the faculty Members:

B.1 Books Reviewed/Monograph:

1. Dr. M.S. Khan

- Reviewed books on Marketing & Business Environment from TMH, Noida
- Reviewed books on Marketing from Taxman Publication New Delhi.

B.2 Paper / Articles Presented in Seminars/ Conferences:

1. Dr. M.S. Khan

- Presented paper on Social Responsibility of

Business - Challenges and Road Ahead at International Conference held on 8-9, February'2013 at JamiaHamdard University, New Delhi, India.

B.3 Papers/Articles in Journal published/ Accepted

1. Dr. M.S. Khan

- Rani Pooja& Khan. M.S., Corporate Social Responsibility (CSR) in Indian Context - An Overview, International Business Review, Elsevier.

2. Dr. Kushendra Mishra

- Financial Inclusion: Specifics From India,

Indian Journal of Applied Research, Volume 4 (2014) , ISSN - 2249-555X.

- What spurs up Employee Engagement: An Empirical study in Uttar Pradesh, India, International Journal of Scientific Research and Management, Volume 2, ISSN-2321-3418.

3. **AbhilashBabu**

- "Trickling the Market In: The Politics of Jananidhi Project in Kerala" ,International Journal of Development Studies and Research, Delhi. (2013)

B.4 **Memberships in Government and other University Bodies:**

1. **Dr. M.S. Khan**

- Visited Nagpur for granting accreditation to a Management Institute. By NBA from 21-12-2012 to 23-12-2013
- **Participation in University Statutory Bodies/other Bodies**
- Ex-Officio Chairman-Admission Committee-2013
- Member-Draft Committee for preparing draft agenda for BOM meeting
- Member - Review Committee for Ph.D Regulation, 2010 of University
- Member-Committee for internship and study programmes
- Member-Catering Committee for 1vth Convocation held on 10th May'2013
- Member-Review the structure of the payment of Honorarium/ Remuneration/ Sitting Charges etc.
- Convener-finding possibilities to start new courses in Hotel Management & Tourism
- Convener-finding possibilities to start MBA (Sectoral) Courses at BBAU
- Convener-Transport for International Conference on Chemistry & Materials organized by Deptt. Of Applied Chemistry, BBAU

- Member-Academic Council
- Member-School Board for School for Management Studies

- Chairman-DRC

- Chairman-BPGS

2. **Dr. K. Mishra**

- Coordinator/Head
- Coordinator-University Service Scheme
- Member-School Board
- Member-BPGS
- Member-DRC
- Member-finding possibilities to start new courses in Hotel Management & Tourism
- Member-finding possibilities to start MBA(Sectoral) Courses at BBAU

B.5 **Journal Editorship/Memberships**

1. **Dr. M.S. Khan**

- Editorial Chairperson for TJPRC, an International Journal, India, ISSN: 2249-6939, 2249-6882, 2249-6920
- Member Editorial Board, Convergence Asia, LKO, ISSN: 0973-9033

B.6 **Journal Reviewer:**

1. **Dr. M.S. Khan**

- International Business Review, Elsevier, ISSN : 069-5931
- Asia Pacific Business Review, New Delhi, ISSN : 0973-2470
- Asia Pacific Marketing Review, New Delhi, ISSN : 2277-2057

B.7 **Lectures Delivered:**

1. **Dr. M.S. Khan**

- Delivered Lecture at Aligarh Muslim University (AMU) Aligarh on "Corporate Social responsibility-Challenges and Road Ahead" on 28.03.2013

SCHOOL FOR PHYSICAL SCIENCE

I. DEPARTMENT OF APPLIED CHEMISTRY

Dr. Gajanan Pandey

Co-ordinator/Head

About the Departments (School wise) - The Department of Applied Chemistry came into existence in July 2010, under the umbrella of School of Physical Science. Three other Departments in this school are Applied Physics, Applied Mathematics and Applied Statistics.

Brief introduction of the Department: Currently the department offers two years Postgraduate

programme in Applied Chemistry for which candidates are selected through National Level entrance test. The department also offers Ph.D. programme. **The department has also started M.Sc. in Polymer Chemistry in 2014 as the first batch for session 2014-2016**

Infrastructural facilities available in the Department: The Applied Chemistry department has a UV-Vis Spectrophotometer (Cary 100), Rheometer (Anton Paar) and BET Surface analyzer (Belsorp-mini-II, make Bell Japan).

Faculty details:

S. No.	Name	Designation	Qualification	Area of Specialization
1.	Dr. Gajanan Pandey	Associate Professor	M. Sc.; Ph. D. B.H.U.	Materials chemistry, Coordination chemistry, Environmental chemistry
2.	Dr. Jyoti Pandey	Assistant Professor	M. Sc.; Ph. D. (CDRI-JNU, Lucknow)	Organic Synthesis, Medicinal Chemistry, Heterocyclic and Carbohydrate Chemistry
3.	Dr. Shailesh Kumar	Assistant Professor	M. Sc.; Ph. D. (CDRI-JNU, Lucknow)	Synthetic Medicinal Chemistry, Diversity Oriented Synthesis of compounds of medicinal value
4.	Dr. Preeti Gupta	Assistant Professor	M. Sc.; Ph. D. (IIT Kanpur)	Carbohydrate Chemistry and synthesis of Glycosidase Inhibitors, Medicinal Chemistry, Steroidal Hybrids and mimics

Department of Level Academic Activities:

Dr. Gajanan Pandey

Seminar/ Conference participated by faculty		Seminar/ Conference/ Lectures Organized by Department		Research paper presented by faculty		Research paper published by faculty		Book published by faculty
National	International	National	International	National	International	National	International	
03	05	01	-	02	05	02	04	-

Academic Activities of the Faculty:

Articles/paper in journal(s): 06

Lectures delivered: Delivered an invited talk in National Conference on Recent Trends in Environmental Science organized by Indira Gandhi Academy of Environmental Education Research and Eco planning, Jiwaji University, Gwalior, during February 4-5, 2014.

Research projects/ consultancy (completed/ongoing/sanctioned/ submitted).

1.	RPS-Research Project	AICTE New Delhi	Completed
2.	Major Research Project	UGC New Delhi	Submitted

Membership in various government and other bodies (out of BBAU): Member, American Chemical Society, American Nano Society, Academy of Microscope Science & Technology.

Paper presented in seminars/ conferences/ workshops etc.: 08

Ph.D.: 03 Ph.D. awarded and 07 students are pursuing

Dr. Jyoti Pandey

-Research projects/ consultancy (completed/ ongoing/sanctioned/ submitted):

Ph.D.: 03 students are pursuing

1.	Research Project	Department of Science & Technology, New Delhi	Submitted
2.	Major Research Project	UGC, New Delhi	Submitted

Seminar/ Conference participated by faculty		Seminar/ Conference/ Lectures Organized by Department		Research paper presented by faculty		Research paper published by faculty		Book published by faculty
National	International	National	International	National	International	National	International	
04	04	02	-	04	04	-	-	-

Academic Activities of the Faculty:

1. Member, School Board
2. Member, BPGS
3. Member, DRC
4. Completed an Orientation Programme held at University of Lucknow from July 2-31, 2014.
5. Completed Winter School held at Jamia Millia Islamia, New Delhi from 17th Dec 2014 - 8th Jan 2015.
6. Attended International training program on "Leadership and Career Development for Women Scientist and Technologists" jointly organized by DST, IUSSTF and Coach in between 1st -5th Sept. 2014, New Delhi.

Administrative and other responsibilities:

1. Warden, Yashodhara Girls Hostel
2. Member, Proctorial Board
3. Member, Sports Committee

-Membership in various government and other bodies (out of BBAU):

1. Association of Carbohydrate Chemists & Technologists (India).
2. Life member of Indian Science Congress Association, Kolkata
3. Member of Vigyan Parishad (Prayag)

-Paper presented in seminars/ conferences/ workshops etc.: 06

**The information should be provided by the Head's, sub-head wise not faculty wise.*

Students Activities and Achievements- to be provided by Dean Student Welfare.

Dr. Shailesh Kumar

Seminar/ Conference participated by faculty		Seminar/ Conference/ Lectures Organized by Department		Research paper presented by faculty		Research paper published by faculty		Book published by faculty
National	International	National	International	National	International	National	International	
Nil	08	02		Nil	04	Nil	02	Nil

Academic Activities of the Faculty:

1. Completed an Orientation Programme held at University of Lucknow from July 2-31, 2014.
 2. Certificate of appreciation for publishing research paper in high impact factor in year 2013-2014.
- Articles/paper in journal(s) [only published and accepted articles/ papers]- 01

-Research projects/ consultancy (completed/ongoing/sanctioned/ submitted).

1.	Research Project	DST, New Delhi	Ongoing
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-Membership in various government and other bodies (out of BBAU): **Life member of Indian Science Congress Association, Kolkata**

-Paper presented in seminars/ conferences/ workshops etc.: 04

Dr. Preeti Gupta

Seminar/ Conference participated by faculty		Seminar/ Conference/ Lectures Organized by Department		Research paper presented by faculty		Research paper published by faculty		Book published by faculty
National	International	National	International	National	International	National	International	
-	-	-	-	-	-	-	2	-

-Research projects/ consultancy (completed/ongoing/sanctioned/ submitted).

1.	Research Project	DST-INSPIRE FACULTY AWARD, New Delhi	Ongoing
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-Articles/paper in journal(s) [only published and accepted articles/ papers]- 02

II. DEPARTMENT OF APPLIED MATHEMATICS

The Department of Applied Mathematics came into existence in March 2012 as a result of the bifurcation of the Department of Applied Mathematics and Statistics, which was established in July 2010 as a part of the School for Physical Sciences of Babasaheb Bhimrao Ambedkar University, Lucknow. It is running a Postgraduate programme in Applied Mathematics with an intake of 30 students per year. The Department has also started Ph.D. programme with effect from July 2012. The research areas include; Fluid Mechanics, Numerical Analysis, Mathematical Modeling, Differential Equations and General Relativity. The students for these programmes are admitted on the basis of all India entrance test.

A. Faculty Members:

Presently there are five faculty members in the department.

S.No.	Name	Designation	Qualification	Area of Specializaion
1.	Dr. B. S. Bhaudauria	Professor	M.Sc. (Mathematics) & Ph.D.	Fluid Mechanics and Numerical Analysis
2.	Dr. Sachin Kumar	Assistant Professor	M.Sc. (Applied Mathematics), Ph.D.	Differential Equations

A1. Programmes Offered:

- The department is running a Post Graduate programme; M.Sc. (Applied Mathematics), with intake capacity of 40.

- Further, the Department has also started Ph.D. programme with effect from the year 2012.

B. Departmental Level Academic Activities:

- Dr. Sachin Kumar was involved in the YOUTH FESTIVAL of Babasaheb Bhimrao Ambedkar University, Lucknow as a Organizer.

C. Academic Activities of the Faculty**C1. Papers/Articles in Journal(s) Published and Accepted**

- B.S. Bhadauria**, Heat Transport in a viscous fluid layer under temperature and gravity modulations. Published in the **Proceedings**

of Int. Conference on Modeling and Simulation of Diffusive Processes and Application organized by the Department of Computer Science, Banaras Hindu

University, Varanasi-221005, India during October 09-12, 2012.

2. **Bhadoria B.S** and Kiran P. Weak non-linear oscillatory convection in a viscoelastic fluid layer under gravity modulation. *Int. J Non-Linear Mech.* 65, 133-140 (2014) IF 1.463 (Elsevier)
3. **Bhadoria B.S** and Kiran P. Weak non-linear oscillatory convection in a viscoelastic fluid saturated porous medium under gravity modulation. *Transp Porous Media.* (2014) Accepted. IF 1.551 (Springer)
4. **Bhadoria B.S** and Kiran P. Heat and mass transfer for oscillatory convection in a binary viscoelastic fluid layer subjected to temperature modulation. At the boundaries. *Int. Commu in Heat and Mass Transf.* 58, 166-175 (2014) IF 2.124 (Elsevier)
5. **Bhadoria B.S** and Kiran P. Weakly nonlinear oscillatory convection on a viscorlastic fluid saturating porous medium under temperature modulation. . *Int. J Heat Mass Transf.* 77, 843-851 (2014) IF 2.522 (Elsevier)
6. Kiran P and **B.S. Bhadoria** Oscillatory and chaotic magneto-convection in a binary viscoelastic fluid under G-jitter. *Int J Heat and Mass Transf. Revised (minor)* (Almost Accepted) (2014) IF 2.522 (Elsevier)
7. **B.S. Bhadoria** and Kiran P. Weak nonlinear analysis of magneto-convection under magnetic field modulation. *Physica Scripa* 89 (9), 095209 IF 1.02 IOP Publisher
8. **Bhadoria B.S** and Kiran P. Nonlinear Thermal Darcy Convection in a Nanofluid Saturated Porous Medium Under Gravity Modulation. *Advanced Science Letters* 20, 903-910 (2014) IF 1.03 American Scientific Publishers

C.2 Participation in University Statutory Bodies/Other Bodies Nil

C.3 Papers/ Articles in Conference(s) (Published and Accepted)

Prof. B.S. Bhadoria & Manoj Kumar Singh

1. Presented a poster presentation in LUSCON - 2014 held in BBAU Lucknow during 27-28 March 2014.
2. Presented a paper in international conference ICCAM-2014 held in ITM University, Gurgaon during 2-4, June 2014.

Prof. B.S. Bhadoria & Vineet Kumar

1. Presented a poster presentation in LUSCON - 2014 held in BBAU Lucknow during 27-28 March 2014.
2. Presented a paper in international conference ICCAM-2014 held in ITM University, Gurgaon during 2-4, June 2014.

Prof. B.S. Bhadoria & Ajay Singh

1. Presented a poster presentation in LUSCON - 2014 held in BBAU Lucknow during 27-28 March 2014.
2. Attended a paper in international conference ICCAM-2014 held in ITM University, Gurgaon during 2-4, June 2014.

Prof. B.S. Bhadoria & Pramod Kumar

1. Presented a poster presentation in LUSCON - 2014 held in BBAU Lucknow during 27-28 March 2014.
2. Attended a paper in international conference ICCAM-2014 held in ITM University, Gurgaon during 2-4, June 2014.

Prof. B.S. Bhadoria & Kanchan Sakya

1. Presented a poster presentation in LUSCON - 2014 held in BBAU Lucknow during 27-28 March 2014.
2. Attended a paper in international conference ICCAM-2014 held in ITM University, Gurgaon during 2-4, June 2014.

C.4 Lectures Delivered	Nil
C.5 Journal Editorship/Memberships	Nil
C.6 Research Projects/Consultancy/Coordination	Nil
C.7 Membership in Various Government and Other Bodies	Nil
C.8 Awards	Nil
C.9 Session Chaired at Seminars/Conferences/Workshops	Nil
C.9.1 Attended Seminars/Conferences/Workshops	Nil
C.10 Ph.D. Submitted	Nil
C.11 Event Organized	
1. Organized an International Conference on Matematical Modeling and Numerical Simulation during July 01-03, 2013	
C.12 Refresh Cource Attended	Nil

III. DEPARTMENT OF APPLIED STATISTICS

Brief introduction of the department

The department was established in 2010 to teach Post Graduation (P. G.) classes under the department of Applied Mathematics & Statistics. The department of Applied Statistics as an independent department came into existence in March, 2012 vide Letter No. 2862/BBAU/12 under the leadership of Dr. Surinder Kumar. The department has grown rapidly since its establishment. The department has started M. Phil. programme in Statistics from the academic session 2014-15.

Objective:

In the present era of globalization, privatization & liberalization both the public and private sector organization are phasing and increasingly complex and challenging environment. Under such condition, their survival and growth depend on the capacity to gather, analyze, disseminate, implement, evaluate policy and making decisions. This thrust need P.G., M. Phil. and Ph. D programmes to provide students of high caliber for the various governmental and private agencies to use statistical techniques in every aspect of logistic and statistical approach.

Infrastructure facilities of the department:

The department is providing high class teaching and research facilities to its students. Although, the department is running short of faculty members, infrastructure and building. Presently, the department has only two faculty members (one associate professor & one assistant professors).

Infrastructure required Urgently:

S. No		Quantity required
1	Faculty room	02
2	Lecture theaters/ class room	02
3	Research Scholars room	01
4	Departmental Study / Library room	01

Vision

To contribute to India and the World through excellence in statistical education and research; to serve as a valuable resource for industry and society; and remain a source of pride for all Indians.

Mission

To generate new knowledge by engaging in cutting-edge research and to promote academic growth by offering state-of-the-art postgraduate and doctoral programmes.

To identify, based on an informed perception of Indian, regional and global needs, areas of specialization upon which the department can concentrate.

To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.

To develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

Values

- Academic integrity and accountability.
- Respect and tolerance for the views of every individual.
- Attention to issues of national relevance as well as of global concern.
- Appreciation of intellectual excellence and creativity.
- An unfettered spirit of exploration, rationality and enterprise.

Faculty Detail:

Sr. No.	Name	Designation	Qualification	Area of Specialization
1	Dr. Surinder Kumar	Associate Professor & Coordinator	Ph.D (Statistics)	Sequential Testing, Multivariate Techniques, Reliability
3	Dr. Shashi Bhushan	Assistant Professor	Ph.D (Statistics), CSIR NET/JRF (Mathematical Sciences)	Sampling, Econometrics, Life Testing

Department Level Academic Activities:-

Seminar, Lectures and other activities (in figure) during the year.

Seminar/conference participated by faculty		Seminar/conference/Lectures organized by Department		Research Paper presented by faculty		Research Paper published by faculty		Book published by faculty
National	International	National	International	National	International	National	International	
6	4	0	0	7	4	06	04	NIL

Academic Activities of the faculty:-

- Award /honors/fellowship achieved-NIL
- Books/edited books/monograph(s)-with details of title, publisher, place of publication, year etc.- NIL
- Book(s) chapter-with details of title, editors name, publisher, place of publication, year etc.-NIL
- Article/paper in journals [only published and accepted articles/papers]-12
- Book review published-with all details-NIL
- Articles in newspaper-NIL
- Lectures delivered-NIL
- Research projects/ consultancy (completed/ ongoing/ sanctioned/submitted)-NIL
- Membership in various government and other bodies (out of BBAU)-06
- Paper presented in seminars/conferences/workshops etc-10
- Session chaired at seminars/conferences/workshops etc-03
- Ph.D (awarded), name of candidates, title, name of supervisor- Nil

IV. DEPARTMENT OF APPLIED PHYSICS

Introduction

The Department of Applied Physics in the university was set up in the year 2010; this was started with the guest faculty and the coordinator in-charge. In this year overwhelming response was found from the students, the entrance exam was qualified by 61 students. However, due to limitation of the physical infrastructure many students were not enrolled in spite of good response from various states of the country. Department of Applied Physics is trying to attract a few International students for their research activities, after the issuance of guidelines from university for international students. Presently 22 students are pursuing Ph.D. in the field of condensed matter physics, radiation physics,

nanoscience and biophysics. 30 students are enrolled in M.Sc.-III semester while 34 students are enrolled in M.Sc.-I semester students and IPR. Our students are qualifying competitive exams and securing admissions to reputed institutions like IITs, IISc. Seven students have qualified UGC-NET exam and 08 students have qualified GATE exam in the department within such a short time of its inception. A good laboratory is going to be equipped in the department for the M.Sc. students. Indian Environmental Radiation Monitoring network (IERMON) has been installed with the help of BARC in the month of October 2011. We are putting our best efforts to make these activities at par excellence in co-ordination with the Atomic Energy Regulatory Board (AERB) and other institutes of National Importance. Low

Background Counting System for radioactivity analysis such as ^{226}Ra , ^{232}Th , ^{40}K will be installed soon for the practical activities of the students, a range of radioactive sources made available for the students of M.Sc. and research scholars. Four faculty members have UGC and DST sponsored major research projects. Faculties are working with the nano/material science research, sensors, molecular modeling, theoretical physics and applied optics. The department has launched M. Tech. self-finance course in Nano-optoelectronics from session 2013-14 to impart higher education in technology as well.

Research activities and facilities:

- Material Science
- Thin/thick film Sensors
- Nanoscience & Nanotechnology
- Theoretical modelling using ab initio method
- Nuclear Structure
- Neutrino Physics
- Astroparticle Physics
- Material Science
- Nanoscience
- Ultrasonics
- Applied Optics

Lab Facilities

- Keithley Electrometer
- Impedance Analyzer
- High Temperature Furnace 02
- Photoresist Spinner
- Oven 02
- Stirrer 03
- Ultra Sonic Baths
- Laser experiments etc.
- Double distilled water assembly
- Digital pH meter
- Conductivity meter
- Optical Power Meter
- He-Ne Laser
- Optical Fiber

- Vibration Free Optical Table
- Chemical Vapor Deposition Unit
- UV spectrophotometer
- Automatic Programmable Furnace
- Tubular Furnace
- Rotary Evaporator
- Fume Hood
- Particle Size Analyzer (under process)
- Other equipments for M.Sc. & M. Tech. Lab

Objectives of The Department

The objectives of the Department are:-

- To undertake study of the basic physical sciences imparting in-depth knowledge in basic theory while addressing their applications;
- To impart knowledge to students helping them grow in positive direction and identifying slow learners;
- Academic programmes are designed to help prepare students for research facilities; and
- To work on innovative ideas and flourish the research activities of international repute.

Infrastructural Facilities

- The Department is running M.Sc. and M.Tech course in two class rooms, 2 lab rooms, 1 smart class room, 1 computational lab and 5 teachers' room in the Administration Building along with Coordinator's room and department office.
- Computers have been provided to all the teachers with internet facility.
- Two (02) LCD projector, Interactive Board and Laptop are available for students' classes.
- Xerox Machine along with required peripherals is also available in the Department.
- Eighteen computers have been installed for computational lab.

Vision

The vision of the Department is to expand its course module and research programs in the

near future. It aims at setting up Centers of Excellence in Nanoscience & Nanotechnology, Biophysics, Nuclear Science, Materials Science and Optoelectronics to promote the research, documentation, extension, and consultancy services. Quality Research and facilitating learning to students. To work in a multidisciplinary environment and to show enthusiasm for teamwork and to perform original research and development activities and to convert the findings from these activities to scientific publication, patent and technology. Being aware of social, environmental and global impacts of Physics on materials, devices and human beings; innovations to be incorporated with ethical responsibilities.

Academic Profile (Teaching & Research)

Department has two Associate Professor and three Assistant Professors at present. Faculty Members are drawn from the disciplines of nuclear physics, nano material sciences, molecular modelling and applied optics thus enriching the inter-disciplinary applied physics curriculum and research.

Profile of Faculty Members

Name	Designation	Qualification	Experience	Specialization
Dr. B.C. Yadav	Associate Professor & Coordinator / Head	Ph.D.	Teaching - 18years Research – 12 yrs	a) Material Science b) Thin/thick film Sensors c) Nanoscience & Nanotechnology
Dr. Devesh Kumar	Associate Professor	Ph.D.	Teaching - 04years Research – 12 yrs	Theoretical modelling using ab initio method
Dr. Ramesh Chandra	Assistant Professor	Ph.D.	Teaching - 03years Research – 07 yrs	a) Nuclear Structure b) Neutrino Physics c) Astroparticle physics
Dr. Anil Kumar Yadav	Assistant Professor	Ph.D.	Teaching - more than 03years Research – 05 yrs	a) Material Science b) Nanoscience c) Ultrasonics d) Theoretical modeling
Mr. Devendra Singh	Assistant Professor	Ph.D. Pursuing	Teaching – 03 yrs	a) Applied Optics b) Theoretical modelling

AWARDS

- Dr. B.C. Yadav:** Awarded for publishing papers in high IF Journal by BBAU, Rs. 2.00 lac incentive grant, 10th June 2014
- Dr. Devesh Kumar:** Awarded for publishing papers in high IF Journal by BBAU, Rs. 2.00 lac incentive grant, 10th June 2014
- Dr. Ramesh Chandra:** Awarded for publishing papers in high IF Journal by

BBAU, Rs. 2.00 lac incentive grant, 10th June 2014

Abroad Visit by Faculty members

- B.C. Yadav**, Institute of Problems on Chemical Physics Chernogoloka, Moscow Region, Russia. 25th July 2014 - 07th August 2014 DST and RFBR Indo- Russian Project
- B.C. Yadav**, International Symposium on Advanced Polymeric Materials, Date: 13th-16th May 2014, Kuala Lumpur, Malaysia.
- Devendra Singh**, Institute of Problems on Chemical Physics Chernogoloka, Moscow Region, Russia. 25th July 2014 - 07th August 2014 DST and RFBR Indo-Russian Project

Department Level Academic Activities

- Harmony week during November 2013.
- Hindi Pakhwara celebration and essay event on this event.

Special Lectures Delivered by

- Dr. Y.K. Mishra, Assistant Professor, University of Kiel, Germany
- Dr. G.C. Dubey, Retd. Scientist 'G', Solid State Physics Laboratory, Lucknow Road, Delhi, India
- Dr. Prabhat K. Dwivedi, Nanoscience Center, IIT Kanpur, U.P., India
- Dr. Manmeet Kaur, Technical Physics

Division, Bhabha Atomic Research Center (BARC), Mumbai, M.H., India.

- Prof. V. Tabhane, Pune University, Pune,
- Dr. Amritanshu Shukla, Rajiv Gandhi Institute of Petroleum Technology, Raebareli, India

Seminar/Workshop

- International Conference on Nanoscience & Nanotechnology during 18-19 November 2013.
- International Symposium on Advances in Materials Characterization (ISAMC-2014), July 14, 2014.
- Debate on C.V. Raman's Birthday on 7th November 2014.
- Department organizes an Interactive Session based seminar on weekly basis where every student is required to present on the topic related to curricula.
- Department organized a Debate n national Science Day on 28th February.

Membership in Various Government and Other Bodies

1. Dr. B.C. Yadav

- Indian Science Congress Association (ISCA)
- Optical Society of India (OSI)
- Materials Research Society of India (MRSI)

2. Dr. Devesh Kumar

- The World Association of Theoretical and Computational Chemists (WATOC)
- Society of Biological Inorganic Chemistry (SBIC)
- Indian Biophysics Society (IBS)

3. Dr. A.K. Yadav

- Ultrasonics society of India
- Materials Research society of India

Articles/Papers In Books/Journal(S) (Only Published And Accepted Articles/Papers)

Seminar, Lectures and others activities:

Seminar/Conference participated by faculty		Seminar/Conference /Lectures organized by department		Research Papers Presented by faculty		Research paper published by faculty		Book published by faculty
National	International	National	International	National	International	Journal	Proceeding	
12	5	-	02	7	3	18	9	-

Research Projects/Consultancy:

Title	Duration	Cost (Lac)	Funding agency
"Synthesis of semiconductor metal oxide CO ₂ gas sensors" (No. SR/FTP/PS-21/2009) (PI- B. C. Yadav)	2010 – 2014	22,14,000	DST FAST TRACK Scheme
"Preparation and properties of nano sized spinal gas sensors" (No. 2013/34/27/BRNS/2693) (PI – B. C. Yadav) (Co-PI Dr. A.K. Yadav)	2013 – 2016	24,74,750	BRNS, DAE
"Synthesis and characterization of thin and thick film nano composites" (No. INT/RUS/RFBR/P-148) (PI – B. C. Yadav)	2013 – 2016	26,84,500	DST (Indo-Russian)
"Molecular property diagnostic suite Chemoinformatics portal" (No.) (PI – Devesh Kumar)	2013 - 2014	5,00,000	CSIR-OSDD
"Calculation of reliable nuclear transition matrix elements of neutrinoless double beta decay" (No. SERB/F/5139/2013-14) (PI – Ramesh Chandra)	2013-2016	10,80,000	SERB(DST)

Dr. B. C. Yadav

1. Synthesis, characterization, magnetic properties and gas sensing applications of $Zn_xCu_{1-x}Fe_2O_4$ (0.0d''xd''0.8) nanocomposites, Archana Singh, Satyendra Singh, B.D. Joshi, Anuj Shukla, B.C. Yadav and Poonam Tandon, *Materials Science & Semiconductor Processing*, DOI: 10.1016/j.mssp. 2014.08.029, ISSN-Electronic: 13698001, Published: 11/01/2014, Vol: 27, 934-950.
2. Structural analysis of nanostructured iron antimonate by experimental and quantum chemical simulation and its LPG sensing, Satyendra Singh, Vineet Gupta, B.C. Yadav, Poonam Tandon, Akhilesh Kumar Singh, *Sensors and Actuators B: Chemical*, 195 (2014) 373-381.
3. Humidity Sensor Based on $NiFe_2O_4-Fe_2O_3$ Nanocomposite, Richa Srivastava, B.C. Yadav, *Journal of Science and Technology Research*, Vol. 3, No. 2, Dec 2013 (43-45).
4. Fabrication of self-assembled hierarchical flowerlike zinc stannate thin film and its application as liquefied petroleum gas sensor, Satyendra Singh, Archana Singh, Meher Wan, R.R. Yadav, Poonam Tandon, S.S.A. Rasool, B.C. Yadav, *Sensors and Actuators B* 205 (2014) 102-110.
5. Nanocatalyst (Pt, Ag and CuO) Doped SnO_2 Thin Film Based Sensors for Low Temperature Detection of NO_2 Gas, Rakesh Kumar Sonker, Anjali Sharma, Monika Tomar, B. C. Yadav and Vinay Gupta, *Adv. Sci. Lett.* 20, 1374-1377 (2014).
6. Humidity Sensing Investigations on Nanostructured Antimony-Substituted Tin Oxide Nanoparticles, Rama Singh, Satyendra Singh, Richa Srivastava, Akhilesh Mishra, and **B. C. Yadav**, *Adv. Sci. Lett.* 20, 887-894 (2014).
7. Synthesis and Characterization of Copper Doped Tin Oxide for Humidity Sensing Applications, Rama Singh and **B. C. Yadav**, *Adv. Sci. Lett.* 20, 895-902 (2014).
8. Low Temperature Operated NO_2 Gas Sensor Based on SnO_2-ZnO Nano-composite Thin Film, Rakesh Kumar Sonker, Anjali Sharma, Monika Tomar, Vinay Gupta, and **B. C. Yadav**, *Adv. Sci. Lett.* 20, 911-916 (2014).
9. Nanostructured Zinc Ferrite as Electrical and Optoelectronic Humidity Sensors, Richa Srivastava, Nidhi Verma, and **B. C. Yadav**, *Adv. Sci. Lett.* 20, 917-922 (2014).
10. Synthesis of Copper Titanate Nanocomposite via Sol-Gel Method and Its Application as Liquefied Petroleum Gas Sensor, Nidhi Verma and **B. C. Yadav**, *Adv. Sci. Lett.* 20, 933-938 (2014).
11. Synthesis and Characterization of Nanostructured Cobalt Zincate and Its Application as LPG Sensor, Anuradha Yadav and B. C. Yadav, *Adv. Sci. Lett.* 20, 939-945 (2014).
12. Chemical Route Deposited SnO_2 , SnO_2-Pt and SnO_2-Pd Thin Films for LPG Detection, Rakesh Kumar Sonker and B. C. Yadav, *Adv. Sci. Lett.* 20, 1023-1027 (2014).
13. Polymer Matrix Nanocomposite Gas Sensing Materials, D. A. Pomogailo, S. Singh, M. Singh, B. C. Yadav, P. Tandon, S. I. Pomogailo, G. I. Dzhardimalieva, and K. A. Kydralieva, ISSN 0020_1685, *Inorganic Materials*, 2014, Vol. 50, No. 3, pp. 296-305.
14. Nanostructured Zinc Ferrite thick film as room temperature liquefied petroleum gas sensor, Richa Srivastava, B.C. Yadav, Nidhi Verma Satyendra Singh, *Journal of Experimental Nanoscience* 02/2014; Vol. 0, No.0, 1-15, <http://dx.doi.org/10.1080/17458080.2013.880001>
15. Synthesis and characterization of $CuO-SnO_2$ nanocomposite and its application as liquefied petroleum gas sensor, Satyendra Singh, Nidhi Verma, Archana Singh, B.C. Yadav, *Materials Science in Semiconductor Processing*, 18C (2014), pp.88-96, DOI information: 10.1016/j.mssp. 2013.11.002
16. Synthesis, characterization and liquefied petroleum gas sensing of cobalt acetylenedi carboxylate and its polymer, Satyendra Singh, Archana Singh, B.C. Yadav, Poonam Tandon, Anuj Shukla, Vitaly A. Shershnev, Gulzhian I. Dzhardimalieva, Nina D. Golubeva, Anatolii D. Pomogailo, *Sensors and Actuators B: Chemical* Volume 192, 1 March 2014, Pages 503-511.
17. Fabrication of iron titanium oxide thin film and its application as opto-electronic

- humidity and liquefied petroleum gas sensors, Nidhi Verma, Satyendra Singh, B.C. Yadav, *Optics and Laser Technology*, 57 (2014) 181-188.
18. Microstructural, optical and electrical investigations of Sb-SnO₂ thin films deposited by spray pyrolysis, Sushant Gupta, **B.C. Yadav**, P.K. Dwivedi and B. Das, *Materials Research Bulletin*, 48 (2013), pp. 3315-3322 (ISSN: 0025-5408, Elsevier, U.S.A.).
 19. Nanostructured cobalt oxide and cobalt titanate thin films as optical humidity sensor: a new approach, **B.C. Yadav**, R.C. Yadav, Satyendra Singh, P.K. Dwivedi, Hojin Ryu and Sukmin Kang, *Optics and Laser Technology*, 49 (2013) 68-74.
 20. Fabrication of nanobeads structured perovskite type neodymium iron oxide film: its structural, optical, electrical and LPG sensing investigations, Satyendra Singh, Archana Singh, **B.C. Yadav** and Prabhat K. Dwivedi, *Sensors & Actuators: B. Chemical*, 177 (2013) 730-739, DOI:10.1016/j.snb.2012.11.096.
 21. A review on synthesis, fabrication and properties of nanostructured pure and doped tin oxide films, B.C. Yadav, Raksha Dixit and Satyendra Singh, *International Journal of Scientific and Innovative Research* 2014; 2(1): 41-57, P-ISSN 2347-2189, E-ISSN 2347-4971
 22. Nanocomposite material for packaging of electronic goods, S Sikarwar, SB Yadav, AK Yadav, B.C. Yadav, *International Journal of Scientific and Innovative Research* 2013; 1(2):93-108, P-ISSN 2347-2189, E-ISSN 2347-4971.

Dr. Devesh Kumar

1. Quantum Mechanics/Molecular Mechanics Study on the Oxygen Binding and Substrate Hydroxylation Step in AlkB Repair Enzymes. M. G. Quesne, R. Latifi, L. E. Gonzalez-Ovalle, **Devesh Kumar**, and S. P. de Visser, *Chem. Eur. J.* 2013, 19, 435 - 446.
2. Mechanistic insight into halide oxidation by non-heme iron complexes. Haloperoxidase versus halogenase activity. Anil Kumar Vardhaman, Prasenjit Barman, Suresh Kumar, C. V. Sastri **Devesh Kumar**, and Sam P. de Visser, *Chem. Commun.* 2013, 49, 10926-10928.

3. Comparison of the Reactivity of Nonheme Iron(IV)-Oxo versus Iron(IV)-Imido Complexes: Which is the Better Oxidant? Anil Kumar Vardhaman, Prasenjit Barman, Suresh Kumar, C. V. Sastri **Devesh Kumar**,* and Sam P. de Visser, *Angew. Chem. Int. Ed.* 2013, 52,12288-12292.
4. "ynthesis and Ligand Non-Innocence of Thiolate-Ligated (N₄S) Iron(II) and Nickel(II) Bis(imino)pyridine Complexes. L. R. Widger, Y. Jiang, M. Siegler, **Devesh Kumar**, R. Latifi, S. P. de Visser,* , G. N. L. Jameson and D. P. Goldberg, *InorgChem* 2013, 52, 10467-10480.
5. " Inversion of Enantioselectivity of a Mononuclear Non-Heme Iron(II)-dependent Hydroxylase by Tuning the Interplay of Metal-Center Geometry and Protein Structure. Sarah M. Pratter, Cornelia Konstantinovics, C. L. M. DiGiuro, E. Leitner, **Devesh Kumar**, S. P. de Visser, G. Grogan, and G. D. Straganz*, *Angew. Chem. Int. Ed.* 2013, 52,9677-9681.
6. Rationalization of the Barrier Height for p Z-styrene Epoxidation by Iron(IV)-Oxo Porphyrin Cation Radicals with Variable Axial Ligands. **Devesh Kumar**,* Reza Latifi,* Suresh Kumar, Elena V. Rybak-Akimova, Mala A. Sainna, and Sam P. de Visser*, *Inorg. Chem.* 2013, 52, 7968-7979.
7. Generation of a High-Valent Iron Imido Corrolazine Complex and NR Group Transfer Reactivity. Pannee Leeladee, Guy Jameson, Maxime Siegler, **Devesh Kumar**, Sam de Visser and David P. Goldberg, **Inorg. Chem.** 2013, 52, 4668-4682.

Dr. Ramesh Chandra

1. Uncertainties in nuclear transition matrix elements for b⁺b⁺ and eb⁺ modes of neutrinoless positron double- β decay within the projected Hartree-Fock-Bogoliubov model P. K. Rath, **R. Chandra**, K. Chaturvedi, P. Lohani, P. K. Raina, and J. G. Hirsche *Phys. Rev. C* 87, 014301 (2013).

Dr. A.K. Yadav

1. "Temperature Dependent Elastic and Ultrasonic Properties of Iron Aluminide" **A. K. Yadav**, Devraj Singh, Sudhanshu Tripathi, Vyoma Bhalla, R. R. Yadav *Universal Journal of Materials Science* 1 (2013) 56-62.

2. "Nanocomposite Material For Packaging of Electronic Goods" S. Sikarwar, S.B. Yadav, **A.K. Yadav**, B.C Yadav International Journal of Scientific and Innovative Research 1(2013) 93-108.
3. An Investigation on the Effect of Nanostructuring on the Mechanical and Ultrasonic Properties of Si/Si_xGe_{1-x} Superlattice Nanowires" **A. K. Yadav**, R. R. Yadav Advance Science Letters, Adv. Sci. Lett. 20, 1107-1111 (2014)

Paper Published In Seminars/Conference/Proceedings

Dr. B.C. Yadav

1. Toxicological Investigations on Bacteria through ZnO Nanoparticles, Upasana Yadav, **B.C. Yadav**, Qamar Rahman, Proceeding of LUCKNOW SCIENCE CONGRESS (LUSCON-2013) 20-21, March, 2013, Babasaheb Bhimrao Ambedkar University, Lucknow-26025, U.P., India.
2. Zinc Oxide and Tin Oxide nanocrystalline composites for low temperature operated NO₂ Gas, Rakesh Kumar Sonker, Anjali Sharma, Monika Tomar, **B.C. Yadav**, Vinay Gupta, Proceeding of LUCKNOW SCIENCE CONGRESS (LUSCON-2013) 20-21, March, 2013, Babasaheb Bhimrao Ambedkar University, Lucknow-26025, U.P., India. (**IInd Best Poster Award**)
3. Antimicrobial effect of titanium oxide nanoparticles, Upasana Yadav, **B.C. Yadav**, International Conference on Chemistry and Materials: Prospects and perspectives (ICMPP-2012), Dec. 14-16, 2012, Babasaheb Bhimrao Ambedkar University, Lucknow-26025, U.P., India.

Dr. A.K. Yadav

1. Temperature Dependent Elastic and Ultrasonic Properties of Iron Aluminide" **A. K. Yadav**, Devraj Singh, Sudhanshu Tripathi, Vyoma Bhalla, R. R. Yadav Universal Journal of Materials Science 1 (2013) 56-62
2. Nanocomposite Material For Packaging of Electronic Goods" S. Sikarwar, S.B. Yadav, **A.K. Yadav**, B.C Yadav International Journal of Scientific and Innovative Research 1(2013) 93-108.
3. **An Investigation on the Effect of**

Nanostructuring on the Mechanical and Ultrasonic Properties of Si/Si_xGe_{1-x} Superlattice Nanowires" A. K. Yadav, **R. R. Yadav** Advance Science Letters, Adv. Sci. Lett. 20, 1107-1111 (2014)

4. **An Investigation on the Effect of Nanostructuring on the Mechanical and Ultrasonic Properties of Si/Si_xGe_{1-x} Superlattice Nanowires** A. K. Yadav[#], **R.R.YADAV**, **P. K. Yadawa**, **Devraj Singh**

International Conference on Nanoscience and Nanotechnology (ICNN-2013) held during 18-20 Nov. 2013 at Department of Applied Physics, BBAU Lucknow, India

5. Fabrication and Characterisation of Jute fiber based Bio-Composite Sonu Maurya, **A.K.Yadav*** and J.P. Yadav, International Conference on Nanoscience and Nanotechnology (ICNN-2013) held during 18-20 Nov. 2013 at Department of Applied Physics, BBAU Lucknow, India
6. Study on the Strength Improvement of Natural Fiber Reinforced Composites Arvind Rawat, **A.K. Yadav***, Devendra Singh, R. Chandra, Devesh Kumar, B.C.Yadav and R.R. Yadav International Conference on Nanoscience and Nanotechnology (ICNN-2013) held during 18-20 Nov. 2013 at Department of Applied Physics, BBAU Lucknow, India
7. Biocomposites for the Construction Materials and Structure Munendra Pal, **A. K. Yadav*** International Conference on Nanoscience and Nanotechnology, (ICNN-2013) held during 18-20 Nov. 2013 at Department of Applied Physics, BBAU Lucknow, India.
8. Effect of Ball Size And Its Material:A Study On The Polymer Nano Composite Rajkamal Shastri, **A. K. Yadav***, Devesh Kumar and Kamlesh Pandey² International Conference on Nanoscience and Nanotechnology (ICNN-2013) held during 18-20 Nov. 2013 at Department of Applied Physics, BBAU Lucknow, India
9. Raman Effect: A tool for Studying Nano materials S.P. Goutam, **A. K. Yadav***, B.C.Yadav

International Conference on Nanoscience and Nanotechnology (ICNN-2013) held during 18-20 Nov. 2013 at Department of

- Applied Physics, BBAU Lucknow, India
10. Synthesis and Characterization of Advanced Functional Material Surya Pratap. Goutam, **Anil Kumar Yadav***, 2nd Lucknow Science Congress, held during 27-28 March. 2014 at BBAU Lucknow, India
 11. Ab Initio Study of GaN Cluste Rajkamal Shastri, **A. K. Yadav*** and Devesh Kumar 2nd Lucknow Science Congress, held during 27-28 March. 2014 at BBAU Lucknow, India

Devendra Singh

1. International Conference on Nanoscience and Nanotechnology, topic "**Nanodiamonds in Interstellar Medium: a DFT approach**", held at BBAU Lucknow (18th-20th November, 2013)
2. National Conference on Application of High Pressure Techniques & Novel Materials in the Frontiers of Science, held at National Centre of Experimental Mineralogy and Petrology, University of Allahabad (25th -26th October, 2013)
3. 2nd Lucknow Science Congress on topic "**Improvising van der Waals equation of state**", held at BBAU Lucknow (27th -28th March, 2014)

Attended seminars/conference/workshops etc.

Dr. B.C. Yadav

- International Symposium on Advanced Polymeric Materials, Date: 13th-16th May 2014, Kuala Lumpur, Malaysia.
- International Conference on Nanoscience & Nanotechnology during 18-19 November 2013.
- One day workshop on Enhancing Communication Skills of Students in Higher Education: Role of Libraries, 22nd May, 2013, Babasaheb Bhimrao Ambedkar University, lucknow-226025, U.P., India.
- International Conference on Advancements of Science & Technology: Health and Social Issues, Feb. 18-19, 2014, Babasaheb Bhimrao Ambedkar University, Lucknow-26025, U.P., India.
- The 101st Session of Indian Science Congress, University of Jammu, Jammu during 3-7 Feb. 2014.

- National Conference on synthesis characterization and application of advanced nanomaterials (NCSCAAN 2014) to be held from 17th Jan to 19th Jan, 2014 at Hindustan College of Science and Technology, Farah (**Mathura**) U. P., India.
- National Conference on Materials Science: Trends & Future-2014 (NCMS-2014)" during 10, 11 January 2014, Bharatiya Mahavidyalaya, Amravati, M.H., India
- Advance Technologies Committee - Technical Program Discussion Meeting (ATC- TPDM), July 8-10, 2013, BARC, **Mumbai**, India.
- Seminar on "Environment, Education & Society" 05th June, 2013, Babasaheb Bhimrao Ambedkar University, **Lucknow**-26025, U.P., India

Dr. Ramesh Chandra

1. Nuclear matrix elements calculation of neutrinoless positron double beta decay including induced currents in National Conference on Double Beta Decay and Neutrinos held at IIT Ropar, Punjab and Panjab University, Chandigarh, India, April 20-21, 2013.

Dr. A.K. Yadav

1. 03 day International conference on Nano science and nanotechnology ICNN-2013 at Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow

Devendra Singh

1. National Conference on *Application of High Pressure Techniques & Novel Materials in the Frontiers of Science*, held at National Centre of Experimental Mineralogy and Petrology, University of Allahabad (25th -26th October, 2013)

Member Editorial Board/Guest Editor

I. National Journals : B.C. Yadav, Member Editor, Lucknow Journal of Science, **Print ISSN:** 0974-8121, **Online ISSN:** 0974-813X, **Publisher:** Lucknow University Teacher's Academic Publication Society.

II. International Journals

1. B.C. Yadav, Member Editor, American Journal of Optics and Photonics, Science Publishing Group, USA.

2. B.C. Yadav, Member Editor, International Journal of Scientific and Innovative Research, India.
3. Devesh Kumar, Editor, International Journal of Scientific and Innovative Research of Computational Biology and Bioinformatics Research.
4. Devesh Kumar, Associate Editor, International Research Journals of Biochemistry and Bioinformatics (IRJBB)
Devesh Kumar, Assistant Editor, Nanoscale Research Letters

Administrative Assignments

1. B.C. Yadav, Chairperson of School Board of School for Physical Sciences, Babasaheb Bhimrao Ambedkar University, Lucknow.
2. B.C. Yadav, Chairperson of Board of Post Graduate Studies, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
3. B.C. Yadav, Chairperson of Departmental Research Committee, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
4. B.C. Yadav, Coordinator of Admission Committee, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
5. B.C. Yadav, Member of Board of Studies, Dr. R.M.L. Awadh University, Faizabad.
6. B.C. Yadav, Chairman of Convocation Committee-2013 (Arrangements), Babasaheb Bhimrao Ambedkar University, Lucknow.
7. Devesh Kumar, Member of Board of Post Graduate Studies, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
8. Devesh Kumar, Member of Admission Committee, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
9. Devesh Kumar, Member, IQAC, Department of Applied Physics, School for Physical Sciences of Babasaheb Bhimrao Ambedkar University, Lucknow.
10. Ramesh Chandra, Member of School Board of School for Physical Sciences, Babasaheb

- Bhimrao Ambedkar University, Lucknow.
11. Ramesh Chandra, Member of Board of Post Graduate Studies, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
12. Ramesh Chandra, Member of Admission Committee, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
13. A.K. Yadav, Member of Board of Post Graduate Studies, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
14. A.K. Yadav, Member of Departmental Research Committee, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
15. A.K. Yadav, Member of Admission Committee, Department of Applied Physics, Babasaheb Bhimrao Ambedkar University, Lucknow.
16. A.K. Yadav, Member of Convocation Committee-2013 (Decoration), Babasaheb Bhimrao Ambedkar University, Lucknow.
17. A.K. Yadav, Member of Central Placement Cell, Babasaheb Bhimrao Ambedkar University, Lucknow.
18. Devendra Singh, Member, IQAC, Department of Applied Physics, School for Physical Sciences of Babasaheb Bhimrao Ambedkar University, Lucknow.
19. Devendra Singh, Member, Workshop Committee of University, Babasaheb Bhimrao Ambedkar University, Lucknow.
20. Devendra Singh, Co-coordinator, newly created School of Engineering & Technology at Babasaheb Bhimrao Ambedkar University, Lucknow.

Academic Achievements Of Students

- Two students got opportunity to pursue their project work at IIT Kanpur, three students MNNIT Allahabad, one student at DMSRDE Kanpur and four students at Indian Institute for National Centre of Experimental Mineralogy and Petrology, Allahabad.
- Two students qualified CSIR-UGC-JRF exam (one from M. Sc. IV sem and one from

M. Sc. I sem), one student has passed UGC-NET exam for Lectureship in 2012. Also two M. Sc. passed out candidates have cleared NET-LS.

- M. Tech. students are completing their project work at reputed institutions like RRCAT Indore, JNU Delhi,

UNIVERSITY CENTRAL LIBRARY

The foundation for the library services of Babasaheb Bhimrao Ambedkar University, Lucknow was laid in January 1998. Keeping with the vision and mission of the University, the library has been established "to promote knowledge and application through its effective dissemination of knowledge and information". The library acts as a learning resource centre of the University to supplement educational and information needs of the faculty and students. It also provides information services and facilities to meet the requirements of teaching, training and research programmes. The library services are also open to University staff and visitors.

Location

The library has shifted in its newly constructed four floor building on 15th September, 2013 which is situated in the central place of the University. The new Library building consist of an area of 7000sq. mtr. Including its basement. The Library has a capacity to seat more than 500 users at a time.

Opening Hours

The library remains open on each working day from 8:00 am to 8:00 pm for its readers. However, on Saturday it opens from 9:30 am to 5:00 pm.

Library Profile

Total Number of books as on 31-03-2014: 31993
 Book Purchase during the year: 3778
 Twelve (14) News Papers and Eleven (11) Magazines obtained through hawker.
 During the year members were enrolled: 551
 In the academic year around 18565 books were issued
 Visitors were registered for consultation: 36087
 Computer System with Internet connection-05
 Overdue charges: Rs. 15545.00

Membership for the year 2013-14

Serial No.	Type of Membership	Male	Female	Total
1	Faculty	64	22	86
2	P.G. Students	750	665	1415
3	U.G. Students	80	22	102
4	Ph. D Students	148	102	250
5	Non-Teaching	23	3	26
Total Membership				1879

Online Facilities

The Library subscribed to 11 major databases in various areas of Sciences, Social Sciences, Arts and Humanities, Engineering and Law and provides electronic access to 8101 full text e-journals through UGC-INFONET Digital Library Consortium, Ahmadabad.

Library Services

Library provides several services to its user community given as under

- Reprography or Xeroxing:** Library provides Xerox facilities in the library premises on a nominal cost of Rs.0.50/ page.
- Document Delivery Services (DDS):** Library provided printed copy of articles which is requested by the users under DDS. In the year 2013-14, 145 articles have been delivered to users.
- Email Alert:** Library using an email i.e. *centrallibrary.bbau@gmail.com* to provide alert services such as article and reservation, etc. to the users.
- New Arrival:** Library opened a section for display of the new arrival books.
- Hindi Prakosth:** Library also extended its services in the form of 'Hindi Prakosth' by which use of Hindi collection of books encouraged.

Library Staff

1. Prof. K. L. Mahawar, In-charge Librarian, MLISc., Ph. D. in LIS.
2. O. P. Saini, Assistant Librarian (M.A. M.Lib. & Inf. Sc., M. Phil, UGC-NET/JRF)
3. Nilesh Kumar, Professional Assistant (B.Sc. M.Lib. & Inf. Sc., UGC-NET)

4. Rina Kumari, Library Assistant (M.A. M.Lib. & Inf. Sc.)
5. Satvinder Kaur, Library Attendant (M.A. M.Lib. & Inf. Sc.)

Publication

Articles Published

Prof. K.L. Mahawar (In charge Librarian)

- **Mahawar, K. L.** and Narayan, Yogesh Chandra(2013): Evaluation of Museum Resources in State Museum Lucknow: A Case Study, International Journal of Humanities and Social Science Invention, E-ISSN: 2319-7722. P-ISSN: 2319-7714, p. 23-25

O. P. Saini (Assistant Librarian)

- Singh, Malkeet and **O. P. Saini.** (2013). Social Networking Sites: Their use and Application in Libraries. Paper presented and published Proceeding of the National Conference on 'Development of Digital Libraries in IPR Regime' held during June, 08-09-2013 Organized by Madhu Limaye Library, Dr. RML National Law University, Lucknow.

Book Published

- **Saini, O. P.** (2013). Institutional Repository in Academia of Northern India. Saarbrucken, Germany: LAMBERT Academic Publishing. ISBN-978-3-659-37681-8 p.192.

UNIVERSITY PLACEMENT CELL

General overview of the Central Placement Cell: The most significant resource of any civilized society is its trained and skilled manpower. In the contemporary competitive world, education is not just a mode of transmitting knowledge but equipping the students with the contemporary professional skills and ability to take up the global challenges for contributing the society to a greater extent as well as fulfilling their career aspirations. The University Central Placement Cell was constituted in the Academic Session 2007-08. Since its inception, the Cell is helping the students to identify the organizations for training and placement. Further, Campus Interviews are organized to provide opportunity to the students to showcase their talent and to facilitate them to

be placed in various organizations across India and Abroad. The Placement Cell is dedicated to support the students in their pursuit to get jobs in the esteemed organizations. In addition to this specialized lecture, workshops and job fairs are organized to provide students different platforms to attain their respective heights.

Constitution of the Central Placement Cell:

Chairman: Professor (Dr.) R.C. Sobti, Hon'ble Vice Chancellor, BBAU

Convener: Dr. Sunita Chandra, Registrar, BBAU

Coordinator: Dr. Mahendra Kumar Padhy, Central Placement Cell, BBAU

Members of the Central Placement Cell: One nomination faculty member from each department.

Objectives: The main objective of the placement cell is to strive to help and guide students deserve placements through state-of-the-art technology, innovation, leadership and partnerships. Supreme emphasis is laid on providing the most modern and sophisticated learning environment coupled with Indian heritage and value systems. The teaching methodology is contemporary which keeps the students and the staff abreast with the ever-changing scenario in the educational arena along with a fine blend of traditional Indian ethics and value systems, Tradition gives us ethics and values systems. Tradition gives us ethics and values and modernity gives us opportunity to apply those values to move ahead and make our mark. The academic and cultural activity at BBAU provides a platform where all students come together and explore the individual and group talents and resources. The faculty and management possess a high degree of integrity and knowledge that churns the students into efficient and effective human beings. The University provides guidance and support for graduating students to build their future through its constituent units. Particularly the Postgraduate institutes of the University are organized to assist passing out students in seeking employment opportunities. The industry too recognizes that the University students have appropriate inputs to make them better professionals to make a career in the industries. The University through its constituents also has continual interaction with reputed national and multinational companies that visit the campuses for recruiting the graduating students.

Fundamental Functions of the Central Placement Cell

The Central Placement Cell functions with full time academic and professional staffs. The functions of the Cell are as follows:

To guide and help students to find a work placement that best suits their career goals. This involves training the students in all Steps for a Work Placement.

- To have close liaison with the industry for placement of the students,
- To help students preparing their CVs & Covering Letters.
- To organize the entrepreneurship workshops,
- Training students in Aptitude Tests and Interview Techniques,
- Also involving in constant Job Search, finding Work Placement Opportunities and giving the students General Advice and Guidance.
- Gathering information about the Companies that required the skilled people.
- Identifying potential placement opportunities.
- To establish Contacts with corporate bodies.
- To collect feedback from the companies coming for placement,
- Arranging Industrial Visits for project work for all courses.
- The Cell provides the infrastructural facilities to conduct group discussions, tests, and interviews besides catering other logistics.
- The training and placement cell facilitates the process of placement of students passing out from the university.

Activities and Achievements

S. No.	Event	Name of the Company	No. of students appeared for the test	No. of students selected
1	Organized one placement exhibition consisting of twelve companies under the umbrella of Institute of Transgene Life Sciences, May, 2014.	Institute of Transgene Science. (Twelve companies appx.)	52	04
2	Organized one Campus Placement Meet, June, 2014	Institute of Transgene Sciences. (Twelve companies appx.)	35	12

Activities and Achievements during Academic Year 2014-15 (May, 2014 onwards)

Future Plans:

Action Plan of the Central Placement Cell for the academic year 2013-14

Following activities are planned to activate the functioning of the Central Placement Cell.

- a. The Central Placement Cell is planning to organize one placement and industrial training workshop by the end of November, 2014
- b. Campus placement meet is likely to be organized for the students of BBAU by the mid of January, 2015
- c. The placement cell is also planning to organize a number of industrial orientation programmes for the students of BBAU.

RESIDENTIAL COACHING ACADEMY

About the School/ Academy

RESIDENTIAL COACHING ACADEMY (RCA) has been sponsored by the University Grants Commission, New Delhi to nourish the requirement of the aspirants for various competitive exams belonging to SC/ST's/ Minorities and Women with Residential facilities, during their coaching period. The competitive exams include Union Public Service Commission, RRB, SSC and Banking exams.

The Candidates are selected based on National Level Entrance Test followed by a personal interview. RCA is having separate building with a state-of-the-art facilities and exclusive library and computer lab. It is going to have an exclusive infrastructure with audio visual class rooms, seminar hall, centralized computer facilities, library. The coaching classes are conducted by highly qualified professionals in the

field of competitive exams. It is also having a separate hostel for Boys with a capacity of 100 beds. The hostel building for girls is yet to be sanctioned by UGC. Till then girls are provided with transit accommodation within the University campus.

University Grants Commission sanctioned only 5 Residential Coaching Academy (RCA) in the country in the year 2009, BBAU, Lucknow is one among them. BBAU is the first among all five Universities to complete construction of building for Residential Coaching Academy (RCA) and same has been dedicated to the students.

Evolution of the Academy (one page write up)

- Soon after the UGC sanctioned the project, University initiated the coaching programme with its first batch of 95 civil service aspirants on March 2010 for a period of 3 months. Students were enrolled through a National Level Entrance Examination Test.
- Since then coaching is going on regularly for different programmes.

Programmer's Departments, New initiatives, if any:-

In the year 2012-2013 we introduced SSC, RRB and Banking coaching classes in addition to the regular civil services coaching program.

Summary table (School-wise Departments)

Sl. No.	COACHING PROGRAMS	No. of Student Enrolled					
		Mar-May 2010	Feb-May 2011	Aug-Nov 2012	Feb-May 2012	Oct.' 12- Mar.' 13	2013-14
1.	Union Public Service Commission/UPPSC (Prelims)	95	73	-	43	69	34
2.	Union Public Service Commission/UPPSC (Mains)	-	-	19	-	-	-
3.	Uttar Pradesh Public Service Commission (Judicial)	-	-	09	-	-	-
4.	Banking, SSC & RRB	-	-	-	-	36	51
Total		95	73	28	43	105	85
Grand Total							429

About the Departments Academy offers coaching classes to the aspirants of various competitive exams belonging to SC/ST's / Minorities and Women with residential facilities during their coaching period.

Brief introduction of the Departments

The candidates are selected based on

national Level Entrance Test. RCA is having separate building with a state-of-the-art facilities and exclusive library and computer laboratory. It is going to have an exclusive infrastructure with audio-visual class rooms, seminar hall, centralized computer facilities, library with good study material etc. The coaching classes are conducted by highly qualified professionals in the field of competitive exams.

Evolution, Objective of the Department, infrastructural facilities in the department and vision etc.

BBAU is the first among all five Universities to complete construction and have functional buildings for RCA, main/administrative building and Boys' Hostel. Furnishing of these buildings is under process and its at various stages. Procurement of books for the exclusive library and computers for computer lab is in the final stage. The motto is to provide quality coaching program to the aspirants belonging to SC/ST's / Minorities and Women category. So far, 429 candidates took coaching for various programs and 12 candidates have cleared various competitive examinations.

- To improve the academic skills and linguistic proficiency of the students in various subjects.
- To raise their level of comprehension of basic subjects to provide a stronger foundation for further academic work.

- To strengthen their knowledge, skills and attitude in such subjects, where quantitative and qualitative techniques and laboratory activities are involved, so that, the necessary guidance and training provided under the programme may enable the students to come up to the level necessary for pursuing higher studies efficiently and

to reduce their failure and drop out rate.

- To provide career guidance and psychological counselling for capacity building to those who are in need of such counselling.

A. Faculty Details

Sl. No.	Name	Designation	Qualification	Area of specialization
1.	Prof. R. B. Ram	Director (I/C)	M.Sc. (Ag.), Ph. D. (Horticulture) B.H.U	All Branches of Horticulture, especially Fruit Science (Pomology) in Agricultural Sciences
2.	Dr. Yuvana Satya Priya	Assistant Professor	Ph. D. (Biology)	Animal Behavior/ Biodiversity & Conservation Biology
3.	Dr. A. Mahadeva	Assistant Professor	Ph. D. (Sericulture)	Plant Molecular Biology

A. Department Level Academic Activities

B.1. Seminar, Lectures and other activities (in figure) during the year

	Seminar/Conference participated by faculty		Seminar/Conference/Lectures organized by department		Research presented by faculty		Research paper published by faculty		Book published by faculty
	National	International	National	International	National	International	National	International	
RBR	06	01	-	-	-	-	14	02	-
YSP	-	-	-	-	-	-	-	02	-
AMD	-	-	-	-	-	-	-	02	-

B. Academic Activities of the Faculty

- Award/ Honors/ Fellowship achieved.
- Book / Edited Books / Monograph (s) with details of title, publisher, place of publication, year etc.
- Articles / paper in journal(s) [only published and accepted articles/Papers].

C.1. Research Publication by Prof. R. B. Ram

1. Kumar, A; **Ram, R. B.**; Meena, M.L.; Raj, U. and Anand, A. K. (2014). Effect of biofertilizers on morphological characteristics in Aonla grafted plants. *Environment & Ecology*. 32(4a): 1502-1505.
2. Chandra, R.; **Ram, R. B.**; Prakash, J.; Nath, D.; Kumar, S. and Kumar, M. (2014). Effect of foliar application of micro-nutrients on growth and yield components of Tomato (*Lycopersicon esculentum* Mill.). *Trends in Biosciences*. 7 (3): 461-464.
3. Ranjeet; **Ram, R.B.**; Prakash, J. and Meena, M.L. (2014). Growth, flowering, fruiting, yield and quality of tomato (*Lycopersicon*

esculentum Mill.) as influenced by plant bio-regulators.

4. Singh, D. K.; **Ram, R. B.** and L. P. Yadava. (2013). Preharvest treatment of Ca, K, and B reduces softening of tissue in 'Dashehari' Mango. *International Journal of Fruit Science*. 13(3): 299-311.

5. Sharma, G.; **Ram, R. B.**; Sharma, K.L. and M. L. Meena. (2013). Effect of organics and inorganics on soil nutrient status, nutrient uptake and yield in tea plantations of North

- western Himalayas. *International Journal of Tea Science*. 9(1): 11-19.

6. Babu, M.; Dwivedi, D. H.; Yogita; **Ram, R.B.** and M. L. Meena. (2013). Bioaccumulation and distribution of heavy metals in water chestnut (*Trapa natans* var. *bispinosa* Roxb.) in the Lucknow Region. *African Journal of Agricultural Research*. 8(2): 2765 - 2768.
7. Meena M. L.; **Ram, R. B.**; Dwivedi, D. H. and Bharti, Navaldey. (2013). Estimation of biological divergence in cabbage (*Brassica oleracea* var. *capitata* L.). *Progressive Horticulture*. 45 (2):351-354.
8. Mani, S.; Meena, M.L.; Kumar, V. and **R.B. Ram**. (2013). Impact of INM on growth and yield of Phalsa. *Environment and Ecology*. 31 (2B). 898 - 903.
9. Lata, R; Dwivedi, D. H.; **Ram, R.B.** and M. L. Meena. (2013). Influence of microbial, organic and inorganic sources of nutrients on growth parameters of strawberry. *Hortflora Research Spectrum*. 2(2): 135 - 138.

10. Sharma, G.; **Ram, R. B.**; Yogita; Mena, M. L. and Lata, Rubee. (2013). Efficacy of nutrient uptake and nutrient status of tea through organic and inorganic fertilizers under agro-ecosystem in North-West Himalayas. *Indian Journal of Agroforestry*. 15(1): 30-35.
11. Sharma, G; **Ram, R. B.**; Sharma, K.L. and M. L. Meena. (2013). Integrated nutrient management in tea through organic farming for sustainability of tea productivity and high quality under hill and mountain agro - ecosystem. *Plant Horti Tech Magazine*. December - January: 42 - 47.
12. Dwivedi, D. H.; Lata, R.; **Ram, R. B.** and Babu, M. (2012). Effect of bio-fertilizer and organic manures on yield and quality of 'Red fleshed' Guava. *Acta Horticulture*. 933:239-244.
13. Kumar, D.; **Ram, R.B.**; Kumar, S.; Maji, S. and Kumar, M. (2013). Variability and physico-chemical studies in snap melon (*Cucumis melo* var. *momordica*). *The Asian Journal of Horticulture*. 8(2): 751-75.
14. Lata, R; Dwivedi, D. H.; **Ram, R.B.**; Meena, M. L. and Babu, M. (2013). Impact of Integrated Nutrient Management on growth parameters of strawberry cv. Chandler under sub-tropical conditions of Lucknow. *International Journal of Advanced Biological Research*. 3(3): 418 - 421.

C.2. Research Publication by Dr. Yuvana Satya Priya

1. Effect of different mulberry varieties and seasons on the growth and economic traits of bivoltine silkworm (*Bombyx mori*). *Journal of Entomology* 10(3): 147-155. 2013.
2. Scanning electron microscopy study of guard hair of three Indian pteropodid bats. *Mammalia* 78(4).2014.

C.3. Research Publication by Dr. A. Mahadeva

1. Development and characterization of microsatellite markers for *Morus* spp. and assessment of their transferability to other closely related species. *BMC Plant Biology*. 13:194. doi:10.1186/1471-2229-13-194 (**Impact Factor 4.35**)
2. *In vitro* screening and identification of

putative sun flower (*Helianthus annuus* L.) transformants expressing ENAC1 gene by salt stress method. *Trends in Biosciences*. 6 (1):108-111. (Print ISSN 0974-8 Online: ISSN 0976-2485)

SPECIAL CELL FOR THE WELFARE OF SCHEDULED CASTES AND SCHEDULED TRIBES

The SC/ST Cell is to ensure that adequate representation is given to SC/ST candidates in the matter of appointments of the teaching and non-teaching posts and admissions in various courses of studies and also to ensure effective implementation of the reservation policies; maintenance of employee and students records and programmes of University Grants Commission, Government of India in favor of Scheduled Castes and Scheduled Tribes in the University.

FORMATION OF SC/ST CELL

It is a constitutional obligation that reservation for Scheduled Caste and Scheduled Tribes as embodied in the Constitution of India and SC&ST Cell has to frame suitable policies in this regard from time to time for the upliftment of these Communities. With a view to meet this objective in the year 2002, the University Grants Commission has given sanction for setting up of SC/ST Cell at Babasaheb Bhimrao Ambedkar University, Lucknow. The Cell is to provide assistance to the SC/ST students in the matter of admissions and appointments of teaching and non-teaching posts, and the Cell has to take the responsibility in the improvement of overall performance of the students in the competitive examinations so as to bring them up to the mark as compared to other Communities.

OBJECTIVES OF THE CELL

The SC/ST Cell is constituted as a measure/ tool for strengthening the implementation machinery for planning, evaluation and monitoring of the policies of Government of India in the field of Higher Education and also the programmes of the University Grants Commission with the objective to improve the life conditions of Scheduled Castes and Scheduled Tribes candidates and to bring them up to the mark as compared to other communities. The Cell is monitoring the implementation of guidelines of University Grants Commission from time to time

based on the policies of the Government of India and the University Act with regard to the reservation of seats for Scheduled Caste and Scheduled Tribes in respect of admissions in various courses, accommodation in Hostels and appointments to Teaching and Non-Teaching posts are strictly adhered to. It is also instrumental in providing information on fellowships and other incentives being provided to the candidates belonging to Scheduled Castes and Scheduled Tribes which have been notified by the University Grants Commission from time and again. The Cell is also compiling and furnishing the statistical data and other information timely, which the University Grants Commission, MHRD or other national and international organizations may seek, pertaining to the welfare of Scheduled Castes and Scheduled Tribes and allied matters.

ACTIVITIES OF THE CELL

The staff of the Cell is actively engaged in coordinating and solving the problems in the matter of admissions in the University, utilization and timely disbursement of scholarships, accommodation in hostels, conduct of remedial coaching and other measures with a view to ensure that the education system succeeds in bringing the Scheduled Castes and Scheduled Tribes up to the mark. The Cell is also instrumental in monitoring the implementation of reservations in admissions as well as appointments as per Govt. of India/ MHRD/UGC directives. To ensure the prescribed percentage of reservation, the Vice-Chancellor is kind enough to nominate SC/ST nominees in all Selection Committees for selecting Teaching and Non-Teaching Staff and other Committees wherever the interest of SC/ST students and employees are involved. As and when and wherever SC/STs problems arise the staff of the Cell is taking proactive role in solving the issues. As per the guidelines of University Grants Commission, an Advisory Committee is constituted for ensuring effective implementation of the programmes relating to the welfare of SC/ST communities under the Chairmanship of the Vice-Chancellor. The tenure of the Committee is of two years and terms of reference is as prescribed by the UGC.

STATISTICAL INFORMATION WITH RESPECT TO SC/ST STUDENTS AND EMPLOYEES

After the establishment of the SC/ST Cell, the Cell is maintaining, compiling and furnishing

the statistical information regarding implementation of the reservation for SC/ST students admitted in various U.G. and P.G. Courses, appointments to the teaching and non-teaching posts and any other facilities being provided to SC/STs. Details of student enrollment and teaching & non-teaching staff may be seen at **Annexure - I**.

ADMISSION:

The University is providing 50% reservation for SC/ST candidates in the ratio of 2:1 in admissions in various courses viz. PG and Ph. D. Moreover, 10% marks relaxation in eligibility criterion for admissions in PG Courses and 5% marks relaxation in Ph. D. courses is also being provided. Separate merit list were drawn up for the candidates in reserved category in each of the courses and admission of SC/ST candidates were made against seats reserved for them as per the prescribed reservation provisions.

FACILITIES PROVIDED:

There are various welfare schemes and other facilities which are being provided to the students of Scheduled Castes and Scheduled Tribes under the overall supervision of SC/ST Cell.1. The Cell is dealing with all kinds of scholarships/fee reimbursement of Govt of India/UGC of all category students viz. SC/ST/OBC/Minority/GEN. The Cell is scrutinising the scholarship forms and eligible students are being recommended for release of scholarship. Due to the effort of the Cell scholarship are being released on time and students are benefited.2. SC/ST / PH students are exempted for payment of tuition fee. 3. Under the UGC sponsored Remedial Coaching Programme (RCP), the SC/ST/OBC/Minority students are given free coaching for UGC/CSIR/ICAR NET and Computer Training, Spoken & Communication skill development etc. 4. Financial assistance is being provided to SC/ST students at Post Graduate level for preparation of dissertation. 5. Financial assistance is being provided to SC/ST Students at Post Graduate level for Study tour. 6. Financial assistance is being provided to the SC/ST research scholars for preparation of Ph.D. thesis. 7. Separate Gold Medal is being provided to the topper among SC/ST students at PG level in each department to encourage the students of these categories. 8. Students, faculty, staff belonging to marginalized group can approach the Cell for redressal of any grievance(s) regarding academic, administrative

or social problems. The Cell makes efforts and takes necessary action to solve their problems as much as possible within.

ACHIEVEMENTS:

1. In the year 2013-14, total 761 students have been recommended for various scholarship and almost all of them have received the scholarship as per their eligibility
2. At present 74 Ph.D. scholars are receiving RGNF from UGC
3. On the basis of the proposal prepared and submitted by the SC/ST Cell, the UGC has given sanction of a Residential Coaching Academy (RCA) for conducting coaching of various competitive examinations along with few teaching and non-teaching staff including one Academic Building for RCA and one 100 bedded Hostel for RCA. Total amount sanctioned by the UGC is Rs. 10.57 Crore.
4. The SC/ST Cell prepared and submitted two proposals to the Ministry of Social Justice and Empowerment, Govt. of India under Babu Jagjivan Ram Chatravash Yojna

for grants-in-aid for construction of two separate hostels for SC/ST boys and girls. Accordingly, the ministry has sanctioned Rs. 4.00 crore for construction of two hostels in the University campus.

5. Various representations regarding grievances of students, faculty and staff have been sorted out by the SC/ST Cell.
6. Establishment of Personality Development Center for SC/ST students.

FUTURE PLAN:

- To provide travel grant to Ph.D. scholars for presenting research papers in national/international seminars/conferences held abroad or anywhere in India.
- To create a separate Book Bank in the Central Library especially for SC/ST students.
- To reimburse the mess bills of needy/poor SC/ST students in the University hostels.
- To provide free boarding facility for all the students including SC/ST who comes under Below Poverty Line (BPL)

Student Enrollment: Year wise student enrollment in Post Graduate courses/ Research courses (2013-14)

Level of Courses	Number of Students (Enrolled)			
	Total students enrolled	Out of Total Students, Number of students belonging to SC/ST		
		SC	ST	Handicapped
(a) Under and Post Graduate Courses	2201	1004	58	24
Percentage	100%	45.61%	2.63%	1.09%
(b) Ph. D.	430	241	25	6
Percentage	100%	56.04%	5.81%	1.39%
Total	2631	1245	83	30
Percentage	100%	47.32%	3.15%	1.14%

Teaching Staff: Level-wise/ Category-wise Teaching Staff (2013-14)

Level of Post	Sanctioned Strength	Number of Filled in Posts	Out of Total Filled posts, No. of posts filled by SC/ST			Vacant Posts
			SC	ST	Total SC+ST	
Asstt. Professor	94	55**	05	04	09	39
	Percentage	58.51%	9.09%	7.27%	16.36%	41.48%
Asso. Professor	47	33*	04	-	04	14
	Percentage	70.21%	12.12%	-	12.12%	29.78%
Professor	25	12	01	-	01	13
	Percentage	48.00%	8.33%	-	8.33%	52%
Total	166	100	10	04	14	66

* 4 Associate Professors have been promoted to Professor under CAS

**1 Assistant Professor has been promoted to Associate Professor under CAS

Non -Teaching Staff: Level-wise/ Category-wise Non-Teaching Staff in University: 2013-14

Level of Post	Sanctioned Strength	Total Filled Posts	Out of Total Filled posts col(3) Number of posts filled by SC/ST		Vacant Posts
			SC	ST	
Group A	28	12	3	-	16
	<i>Percentage</i>	<i>42.85%</i>	<i>25.00%</i>	<i>-</i>	<i>57.14%</i>
Group B	43	19	1	-	24
	<i>Percentage</i>	<i>44.18%</i>	<i>5.26%</i>	<i>-</i>	<i>55.81%</i>
Group C	92	56	19	1	36
	<i>Percentage</i>	<i>60.86%</i>	<i>33.92%</i>	<i>1.78%</i>	<i>28.26%</i>
Total	163	87	23	1	76

CENTRAL MONITORING RECORD KEEPING UNIT

The Central Monitoring Record Keeping Unit (CMRKU) of Babasaheb Bhimrao Ambedkar University (B.B.A.U) came into existence on the recommendation of CAG audit wing June, 2012 vide letter No. 806/BBAU/12 dated 27/06/2012.

Earlier, the University felt the requirement of a central unit that can monitor and keep record of funded projects running in the university. The Unit also works for keeping records of status/strength of employee and their status. It provides a central data of faculty and students available in the University.

The unit regularly update with the latest data regarding funded projects of University. The Research-Cum-Statistical officer (R.S.O.) is looking after the charge of CMRK Unit. Accordingly, R.S.O. is responsible for forwarding, execution, monitoring of sponsored projects, sending expenditure and Utilization Certificates, submission of Report to the funding agencies and audit of projects as office-in charge of CMRK Unit.

Staff Detail:

1. Shri O.P. Saini, Assistant Librarian, Incharge R.S.O./CMRKU
2. Assistant (Outsourcing)

UNIVERSITY COMPUTER CENTRE

The BBAU University has a full flagged Computer Centre for growth and development of teaching, research and other related activities in addition to the work relating the

administration, finance, examination and admission of the University. This is a highly punctual centre and catering the Computer related requirements of the students, staffs and faculties. This Centre having high speed internet connectivity via National Knowledge Network and it is the hub for which LAN connectivity is available through entire university namely Administration block, School of Environmental Science, School of Ambedkar Studies, Girl's Hostel, Type 'A' Rearing House, residence, VC Camp office. At present, 65 numbers of dual core based PCs and a server are connected in a LAN environment. Computer Centre provides computational facilities to all the users in the University, students, staff and faculty for all Departments, Schools and Centre in the campus. At present there are over 2000 networks access points are available. Computer Centre provides electronic mail, VPN, DNS, FTP and other services. Computer Centre is also managing seven Servers which are being used by (1) Finance/ Account (2) Academic / Exam (3) Computer Centre (4) NKN (5) Network (6) Web interactive teaching in all departments with the support of computer centre. Computer centre also provides various advanced and special purpose software for all the campus users. Beside creating an IT umbrella over entire campus this exclusively engaged in procurement of computers of the other peripherals as per demand of University. Computer centre is also performing the duties of carrying out of various training programs and recruitment exams with full dedication. At present Computer Centre having only one Computer Programmer and Lan Assistant (UDC) on permanent basis.

UNIVERSITY WORKS DEPARTMENT FOR CAMPUS DEVELOPMENT

Composition of the building committee for the financial year 2013-14

Achievements Made During 2013-14

(i) The building for School for Legal Studies taken over by the University from U.P.Samaj Kalyan Nirman Nigam.

(ii) 1200 capacity auditorium building was made functional in all respect with the installation of A.C. Plant, sound system, chairs etc.

(iii) The works with an estimated cost of Rs. 11 lacs were undertaken by the University Works Department directly.

(iv) The various construction works to cost more than Rs. 60 crores were awarded to C.P.W.D. during 12th plan.

S.No.	Name/Designation of the members	Status
1.	Vice-Chancellor, BBAU	Chairman
2.	Prof. R.G. Sonkawade, Dean School for Physical Sciences, BBAU/Member Planning Board.	Member
3.	Superintending Engineer, Lucknow Central Circle, Central Public Works Department, Lucknow.	-do-
4.	Superintending Engineer, Lucknow Central Electrical Circle, Central Public Works Department, Lucknow.	-do-
5.	Er. S.S. Lal, former Engineer-in-Chief, U.P.P.W.D. Lucknow.	-do-
6.	Er. Vidya Sagar Singh, former Chief Engineer, U.P.P.W.D Lucknow.	-do-
7.	Chief Town Planner or his representative, Lucknow Development Authority, Lucknow.	-do-
8.	Chief Architect or his representative, U.P. Public Works Department, Uttar Pradesh, Lucknow.	-do-
9.	Prof. Sunita Mishra, Dean, School for Home Science/Member Planning Board BBAU.	-do-
10.	Finance Officer, Babasaheb Bhimrao Ambedkar University, Lucknow.	-do-
11.	Executive Engineer, Babasaheb Bhimrao Ambedkar University, Lucknow.	-do-
12.	Registrar, Babasaheb Bhimrao Ambedkar University, Lucknow.	Member-Secretary

Status of ongoing construction works in the University campus during financial year 2013-14

Construction work approved during 11th plan

S. No.	Name of Agency/ Name of work	Allocated fund during 11 th plan in lakhs	Fund released during 2013-14 in Rs.	Advance adjusted	Status as on 31-03-14% complete
1.	Central Public Works Department				
(i)	Phase-I of SBBT building	1000	Nil	Nil	100%
(ii)	Phase-I of 2 Nos. Boys' hostel of 272 capacity each	1400	Nil	Nil	100%
(iii)	64 bedded Girls' hostel	275.744	Nil	Nil	100%
2.	UP Rajkiya Nirman Nigam Ltd.				
(i)	University Auditorium of 1200 capacity	1500	13,98,77,477.00	3,80,51,030.00	100%
(ii)	Central Library	2000	11,38,80,618.00	2,03,32,199.00	90%
(iii)	Statue Shifting	158	Nil	Nil	100%
3.	U.P. Samaj Kalyan Nirman Nigam				
(i)	RCA Building	700	10,56,034.00	3,16,810	100%.
(ii)	SLS Building	800	1,38,82,971.00	76,90,826.00	100%

(iii)	Basic Facilities for Women	50	Nil	Nil	100%
(iv)	100 capacity SC Boys' hostel funded by Ministry of Social Justice & Empowerment	215.77	11,65,574.00	Nil	100%
(v)	100 capacity SC Girls' hostel funded by Ministry of Social Justice & Empowerment	209.08	5,41,700.00	Nil	100%
(vi)	Extension of Rearing house building	35.57	1,04,114.00	Nil	100%
(vii)	Exterior finish of SAS and Guest house building	10.84	Nil	Nil	100%
4.	Construction & Design Services, UP Jal Nigam				
(i)	Overhead Tank and related works	800	Nil	Nil	100%
(ii)	Road related works	1200	78,54,725.00	19,63,681.00	100%
5.	Civil Construction Wing, All India Radio				
(a)	Health Centre	200	13,56,000.00	Nil	100%
	Total	10280	27,97,19,213.00	6,83,54,546.00	

Status of Financial & Physical Progress of works awarded to C.P.W.D. during 12th plan

S. No.	Name of Project regarding construction (Excluding minor repairs)	Approved allocation	Total Funds released upto the financial years 2013-14	Physical progress (In term of percentage of work completed) upto financial year 2013-14
1	2	3	4	5
1	Improvement and rehabilitation of road from gate no. 1 to 3 in the University	272.00	187.75	100%
2	Construction of Multipurpose hall (Examination Hall)	139.72	46.57	80%
3	Construction of shops	44.80	14.93	65%
4	S.B.B.T. Phase-II (Department of Education cum Plant Science block)	1319.35	500.00	0%
5	Ambedkar Bhawan	3888.17	1296.06	--
6	Repair and renovation of Girls' hostel	240.84	80.28	15%
7	Renovation of Council Hall	81.00	27.00	0%
8	Path way for Multipurpose hall (Examination Hall) and shops	32.97	--	--
9	Horticulture activities			
(i)	Development of park inside the vacant space between two girls' hostel	7.65		
(ii)	Development of road from main gate to V.C. residence	18.36		
(iii)	Jungle clearance in University campus (specific area only)	5.67		
(iv)	Development of lawn in front of Boys hostel	9.63		
(v)	Jungle clearance in front of pahse-1 of SBBT building and ploughing of field.	9.89		
		51.20	8.67	35%
	Total	6,070.05	2,161.26	

Works undertaken directly by the Engineering Department of the University

Works costing approx. Rs. 74.35 lacs were taken up directly by the Engineering Department of the University during the financial year 2013-14.

Miscellaneous works

1. Civil and electrical maintenance works were undertaken by the Engineering department of the University from time to time depending upon the requirement.
2. The water supply of the campus was maintained through own tube wells and similarly, the electric supply of the campus was maintained through 11/0.4 KV sub-station in the campus.
3. Allotment of residential accommodation available in the University campus was looked after by University Works Department along with space allocation in various faculty buildings.
4. Proposal worth Rs. 250 crores were prepared and sent to U.G.C. for consideration.
5. Matter is being pursued with local administration to get the refund of Rs. one crore paid by the State Government in Feb.1994 for acquisition of 226.45 acres of additional land as the land is presently not available.

All these achievements were made with very limited staff strength in the Engineering department.

DEAN STUDENTS' WELFARE

Prof. M. Y. Khan, DSW

Dean Students' Welfare, section is for the welfare of the students. At present Dean Students' Welfare offers 06 (Six) hostels to accommodate on campus out-station candidates. The well staged hostels are equipped with a mess, well equipped recreation room, reading room and opportunity for curricular and co-curricular activities with a warden in each hostel at the helm of affairs. The girl's hostels have a matron round the clock. The vibrant hostels, thus, provide a comfortable ambience to the inmates for their scholastic pursuits.

1. ASHOKA BOYS HOSTEL (VISHAKHA 'A')

Hostel Warden: Dr. Ranjeet Choudhary

The hostel is a modern and refreshing building, built with the explicit purpose of offering a stimulating and enriching experience where inmates can learn to 'learn for life'. The caring and understanding support staff including assistants, housekeepers, gardener and maintenance staff, warden, and of course the Dean Students Welfare pay special attention to the hostel inmates.

Objectives

Life in a hostel means a whole panorama of experiences that span from making 'friends for life', to gaining the confidence to face life independently. That is why we have laid a lot of emphasis in creating a warm, welcoming, invigorating and home-like atmosphere in our hostel. The hostel is a home away from home, where the inmates develop the 'confidence to be independent', be it friendships, food, belongings, rooms, joys, sorrows, challenges or any of the uncountable experiences of growing-up together.

The hostel is committed to develop thinking of global citizenship amongst the inmates. Through its various endeavors it encourages inmates to think beyond local, regional and divisive lines.

Facilities

The hostel has four storied building with lush Green, serene, Pollution-free premises. Rooms are airy and spacious with good natural light and a balcony, catering the needs of inmates on double occupancy basis. The rooms are equipped with beds, study tables, ward robes, lights, and fans. The hostel has staffs that make sure that everything runs smoothly and look after the welfare of the inmates. The notice board is provided in the hostel visiting lounge to apprise the inmates for any notice forwarded to them. The overall charge of students' discipline and hostel administration vests in the Warden, DSW and the Proctor, The accommodation is being provided by the Dean Students Welfare office on the University entrance merit basis of the students.

The hostel has a dining hall with a sitting capacity of sixty students. The mess has privatized. Joining the mess is compulsory in the

hostel. The mess provides good and healthy food to the inmates in order to maintain the culture of the university the mess menu is changes every month keeping on view of the requirements of different inmates from diverse backgrounds.

Other facilities are:

1. Water geysers,
2. Water Cooler with Water RO,
3. LED T.V. with HD set top box,
4. Indoor games room,
5. Badminton Court,
6. Gymnasium,
7. Wi- Fi, and
8. Medical facility available
9. On demand Ambulance facility

Hostel Office

In order to facilitate the administration and other day ot day affairs, the hostel has office with support staff including LDC, one office assistant, four housekeepers, one gardener, one attendant and security guard 24X7.

2. SIDDHARTHA BOYS HOSTEL

Hostel Warden: Dr. V. M. Ravi Kumar

The hostel is a modern building built with the financial help of the Ministry of Social Welfare (SC). It houses hundred students with most of the basic facilities such as good water, sanitation, garden, rooms, and equipments. It has been catering to the needs of the poorest section of Indian society. The philosophy of the hostel is 'became an agent of socio-economic transformation of society'.

Objectives

Hostel plays a critical role in shaping the academic and person life of students. Keeping this fact into consideration, the hostel focus on the following three objectives:

- Providing congenial atmosphere for wholesome life of students.
- Providing basic facilities that are critical for students' stay in the campus.
- Imparting human values of love, compassion and positive action.

Facilities

The hostel has spacious building with lush green, serene, pollution-free premises. A total of fifty rooms avliable for students occupancy. Rooms are airy and spacious with good natural light, catering the needs of inmates on double occupancy basis. The rooms are equipped with beds, study tables, ward robes, lights, and fans. The hostel has staffs that make sure that everything runs smoothly and look after the welfare of the inmates. The notice board is provided to apprise the inmates for any notice forwarded to them. The overall charge of student's discipline and hostel administration vests in the Warden, DSW and the Proctor. The accommodation is being provided by the Dean Students Welfare office on the University entrance merit basis of the students.

The hostel has a dining hall with a sitting capacity of fifty students. This hostel has coopertive mess managed by studetns by the way of forming differetn committees. Joining the mess is compulsory in the hostel. Every attempt has been and would be made to provide healthy food to make sure the physical and mental health of students.

Other facilities are:

10. Water geysers,
11. Water Cooler with Water Purifier,
12. LED T.V. with HD set top box,
13. Indoor games room,
14. Badminton Court,
15. Gymnasium,
16. Wi- Fi connectivity
17. Basic Medical facilities
18. On demand Ambulance facility
19. Inverter facility for electricity backup.

Hostel Office

The hostel office staff consisting of support staff including LDC, one office assistant cum attendant , two housekeepers, one gardener, and security guard.

3. KANISHKA BOYS HOSTEL

Hostel Warden: - Dr. B.N. Dubey

Objective:-

Kanishka Boys Hostel is a new hostel functioning since 2012. The hostel is committed

to change the mindset of the inmates and orient them towards ethos of 'cultural relativism' by means of inculcation of rational thinking and logical understanding beyond local, regional and fragmented lines. To develop universal thinking and scientific temper the hostel administration has been determined and dedicated for providing healthy living and global thinking to the inmates.

Facilities: - Kanishka Boys hostel has provided following facilities in the year 2013-2014

Dining Hall- Furniture to accommodate sixty students at a time and insect killer machine has been provided. The mess contract was reviewed mess has been given to M/S NA Caterers who has providing good and healthy food to the students at a very reasonable rate.

Potable Water- Three water coolers fitted with filter machines have been installed to provide safe potable water to the inmates.

Common Hall- Common hall is there but 42 inch LED HD TV and a beautiful sofa with centre table have been given.

Games and sports- There are in-door and out-door games facilities in the hostel which include table tennis, badminton, Chess, Carom, ludo, Volley ball, Foot Ball etc.

Gymnasium- A well equipped gym with running machine has been provided in 2013.

Reading Room- A spacious hall with reading facilities is being provided to the inmates.

Internet- Hostel is a place with WI-FI facilities. It has been there since last one year and the system has been working well.

Plantation drive- The plantation drives get conducted on regular basis and as a result we have more than 400 plants since last one year.

4. YASHODHARA GIRLS HOSTEL

Hostel Warden - Dr. Jyoti Pandey

- Solar panel for hot water.
- Well furnished guest rooms.
- Student's visitors cum reading room.
- Well furnished room with comfortable and functional furniture.
- Full furnished and spacious dining hall.
- Nutritious and hygienic meals.

- Water coolers equipped with Aquaguard for pure water.
- National dailies and magazines in Hindi and English are subscribed.
- Proper storage facility in the rooms.
- Full furnished and well equipped Gymnasium.
- Health care and ambulance facilities.
- Bus facility which shuttles between the hostel and departments.
- Well constructed parking facility.
- LED T.V with Tata sky is available
- Badminton Court facility.
- Full time matron.
- Internet facility.
- Garden.
- Ncc Office.

Event organized at Yashodhara Girls Hostel

- A hostel night was organized in collaboration with Sanghmitra girl's hostel.

Hostel Office

- In order to facilitate the administration and other day to day affairs, the hostel has office with supporting staff including One office assistant, One attendant, Three housekeepers, One gardener, and security guard.

5. SANGHMITRA GIRLS HOSTEL

Hostel Warden - Dr. U. V. Kiran

Hostels in academic institutions are the epicenters of the dynamics of the campus life. Sanghmitra Girls Hostel spread over vast area and surrounded by green cover, encompassing gardens has been providing fuel and force to the life and motion of University's liberal democratic academic culture. Situated next to the Vice Chancellor's Residence, the Hostel is a four storied building having 84 rooms with balcony and good ventilation. It is a spacious, well furnished hostel enclosing lawns with rose beds and hedges. The Hostel provides residential facilities to bonafide postgraduate and Ph.D female students of the University. Mess facility is available in the hostel. Mess is privatized but run

under the supervision of hostel administration. Nutritious and hygienic meals are provided to the inmates. Five Commercial Aqua Guards cum Purifiers are installed on each floor and dining hall to provide purified RO water to the inmates.

The guiding principle of the University has been to uphold democratic and egalitarian values and strive towards intellectual excellence. Therefore, the main objective of Sanghmitra Girls Hostel is to ensure that the inmates are able to devote adequate time to their studies and research as well as to develop a climate congenial to co-curricular and extra-curricular activities of inmates. All hostel inmates are expected to maintain the spirit of camaraderie and dignity. The Hostel Office located within the Hostel premises, is integral part of the Hostel. There are several employees to look after the daily chores in the hostel. The health services are made available to the residents by the University Health Centre located inside the University Campus. A Fully furnished Air conditioned common rooms, equipped with recreational and indoor game facilities such as Carroms, Chess, Table Tennis, Chess board, etc adds to the vibrancy of the hostel, encouraging the inmates to actively engage in co-curricular activities.

Facilities At A Glance

- Well furnished rooms with comfortable and functional furniture.
- Fully furnished and spacious dining hall.
- Nutritious and hygienic meals.
- Purified drinking water.
- Each wing is provided with Geysers to provide hot water.
- Well furnished guest rooms.
- Student's visitors cum reading room.
- National dailies and magazines in Hindi and English are subscribed.
- Proper storage facility in the rooms.
- Fully furnished and well equipped Gymnasium.
- Health care and ambulance facilities.
- Bus facility which shuttles between the hostel and departments.
- Well constructed parking facility.
- LED T.V. facility.

- Well constructed Badminton Court facility.
- Full time matron.
- Wi Fi Connectivity facility.
- Well maintained garden.

Event organised at Sanghmitra Girls Hostel

- A hostel night was organised on 31-10-13 with a theme of Diwali Night to encourage the co-curricular talent among the students.
- Students have visited the slums besides the campus, distributed sweets and clothes to the children.

Hostel Office

- In order to facilitate the administration and other day to day affairs, the hostel has office with support staff including One office assistant, One attendant, Three housekeepers, One gardener, and security guard.

6. CHITRALEKHA GIRLS HOSTEL

Hostel Warden - Dr. Deepa Raj

Chitralekha Girls Hostel came in to existence (i.e. handed over to the University) on 14-5-2013. The hostel was started from January, 2014. Presently the hostel accommodates 94 inmates.

Regular sports both indoor and outdoor, messing facilities, entertainment etc.

Facilities At A Glance

- Well furnished rooms with comfortable and functional furniture.
- Fully furnished and spacious dining hall.
- Nutritious and hygienic meals.
- Purified drinking water.
- Each wing is provided with Geysers to provide hot water.
- Well furnished guest rooms.
- Student's visitors cum reading room.
- National dailies and magazines in Hindi and English are subscribed.
- Proper storage facility in the rooms.

- Fully furnished and well equipped Gymnasium.
- Health care and ambulance facilities.
- Bus facility which shuttles between the hostel and departments.
- Well constructed parking facility.
- LED T.V. facility.
- Well constructed Badminton Court facility.
- Full time matron.
- Wi Fi Connectivity facility.
- Well maintained garden.

INFORMATION GUIDANCE AND BUREAU

The university Information and Guidance Bureau came into existence since Aug 2007. The main aim of the bureau is to guide students regarding their future careers and guide them to select the suitable profession of their interest. The bureau is to disseminate information for various courses & studies, syllabus etc for higher studies in India and abroad. Further it is also to render vocational guidance to the students individually or in group and to collect and disseminate the occupational information, Training facilities, financial assistance available competitive examination including counseling for job-aspirants etc. It helps students in many ways:

- To assist application in securing admission to various courses of studies offered by the University in India and abroad.
- To give information and guidance to the University alumni.
- To give information on various courses of studies syllabus etc. for higher studies in India and abroad.
- To assist in individual problems pertaining to education and Vocation under various Guidance programme.
- To collect and disseminate occupational information regarding occupations, Scholarship, fellowships and financial assistance available in India and abroad.
- To render Vocational Guidance to students individual and in group by maintaining Information Guidance Room (Library) in the Bureau.

- To give information on competitive examinations conducted by the various public service commission and authorities.
- To provide information about specific occupations, career planning, conducting a job search etc.
- TO assist students in the development of skills necessary for decision making, Problem solving, Team building, Career and Life Planning.

Coordinator
Dr. Shilpi Verma
Deptt. Of Library & Information Science
Co-ordination

Activities during the year 2013-14

1. Lot of current information is provided to the students through notice boards and counseling sessions.
2. Students are informed about qualifying the NET-JRF, minimum eligibility and how to fill the form.
3. Currently I&GB is dispensing latest information on various notice boards installed at various locations at admin. Block regarding various examinations, higher education in India and abroad and scholarship etc.
4. Counseling of the individual students at I. & G.B. office.
5. Counseling regarding various schemes of Govt. of India for P.G & Ph.D. students and educations loan procedure from various banks.
6. Daily Newspaper and Employment News and several other relevant Magazine are also available at I.&G.B office.
7. Various dental checkup camps have been organized by I.G.B for students & faculty of BBAU.
8. Helping students to organize knowledge about themselves by identifying skills, interests and aptitudes.
9. Providing information about further course prerequisite, financial aid, academic planning, and entrance exams etc.

Workshop Organized

1. Workshop on "Scaling Higher Education: Many Facets" on 16.4.2013 at BBAU, Lucknow jointly organized by Information & Guidance Bureau & University Placement Cell.
2. Workshop on "Enhancing Communication Skills of Students in Higher Education: Role of Libraries" is being organized on 25.5.2013 jointly by Information & Guidance Bureau & University Placement Cell & DLIS.
3. Workshop on "National Seminar, ICT in Higher Education: Need of the hour" is being organized on 20.01.2014 jointly by Information & Guidance Bureau & DLIS.

Future Plans:

Information is at the core of career guidance and education; indeed, it tends to prevail over other guidance function. From the prevail over other guidance function. From the point of view of the students, information should lead to improved knowledge about the self, about the job market, about education and training opportunities. So I&GB of the university is striving for these objectives. Various other guidance and Motivational talks will be organized in coming future.

UNIVERSITY SCIENCE INSTRUMENTATION CENTRE (USIC)

The University established Science Instrumentation Centre which is housed in the ground floor of the School for Environmental Science building. Three precision equipments, viz., **Fourier Transform Infra-Red Spectrometer (FTIR)** of Thermo-Scientific (Nicole 6700); **Fast Performance Liquid Chromatograph (FPLC)** of GE-Healthcare Bio-Science (AKTA 10); and **Scanning Electron Microscope of JEOL (JSM 6490 LV)**.

The FTIR has been supplemented with an accessory called Attenuated Total Reflectance (ATR) to enhance the use and application of the instrument in way that with this facility any form of material, i.e., filmy/papery; liquid, including liquids of flammable nature may be studied; rather that its limited use of getting spectra of the solids on the powdered form through making pellet by mixing the same with the KBr under a hydraulic press.



Fig. 1: Fourier Transform Infra-Red Spectrometer (FTIR)

The FPLC (main AKTA 10) has been provided with other accessories which include Sephadex G75, Sephacryl S - 200, Deae Sepharose Fast FL, CM Sepharose fast flow short & long column holders, AKTA user kit etc. to make the facility of broader usage.

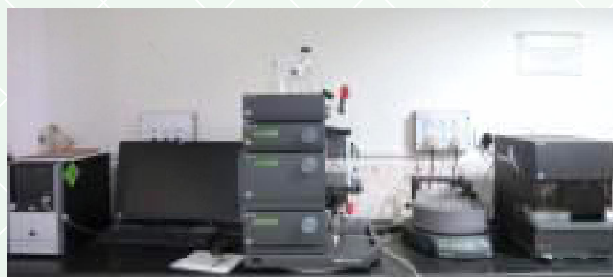


Fig. 2: Fast Performance Liquid Chromatograph (FPLC)

The SEM (JSM 6490) is the instrument which may use both under low & high vacuums depending on the nature of the specimens. Low vacuum with low kV (energy) provides the user the longer duration for scanning the material, the organic specimens, before it is charged. The instrument has been coupled with an optional accessory, viz., EDS 133, EV Dry Detector (INCAx-act) of OXFORD instruments, UK, which has enhanced the application range in a manner that any metal associated with the biological material or in isolation or in the form of alloy



Fig. 3: Scanning Electron Microscope of JEOL (JSM 6490 LV)

may be identified and also quantified. The SEM facility has also been supported with the two important preparatory units, viz., Sputter Coater of JEOL, Japan (JFC 1600, Auto Fine Coater) and Critical Point Dryer (CPD) Emitech K 850 of Quorum Technology of UK.

Usage of Instruments:

The sophisticated instruments are being used exhaustively by the research scholars and faculty members of the University. The details of the analysis are given below:

S. No.	Name of the Instrument	No. of Samples Analyzed (till August 2014)
1.	Scanning Electron Microscope	1984
2.	Fourier Transform Infrared Spectroscopy (FTIR)	2072
3.	Fast Performance Liquid Chromatography (FPLC)	48 (Beneficiaries)

Profile:

The USIC of the University has a Director & One Coordinator an Advisory Committee consisting of all the Professors of the Science Stream Departments are also working.

For contact:

- Prof. D. P. Singh, Dept. of Environmental Science.**
Director, USIC
Mobile: 9415575735
Email: dpsingh_lko@yahoo.com
- Dr. Sangeeta Saxena, DBT**
Coordinator, USIC
Mobile: 9450645342
Email: dr_sangeeta_saxena@yahoo.com
Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh

UNIVERSITY GARDENING & BEAUTIFICATION SECTION

For the creating of ecological balance, reducing global warming and increasing the green and pleasant environment for the teaching and research. Gardening & Beautification Section

(GBS) has been established in the University having a complete infrastructure along with Executive Committee.

The Gardening & Beautification Section (G.B.S.) has developed the University campus in such a way that creates a conducive & pleasant atmosphere in the campus which in stimulate the students and teachers to feel fresh. The section is also involved to achieve bio- aesthetic planning of the campus. The progress is towards it by way planting of ornamental trees, shrubs, climbers and avenue trees.

A. Profile:-

The Gardening & Beautification Section (GBS) of university has a Chairman, Coordinator, and Horticulture Inspector.

- Chairman: - Prof. Rana Pratap Singh
- Coordinator: - Shri V.K. Tripathi
- Horticulture Inspector:- Dr. S. K. Dixit
- Executive Committee:-
 - Prof. R.P. Singh - Chairman/ Advisor
 - Shri V.K. Tripathi - Coordinator/Member
 - Dr Deepa H. Dwivedi - Member
 - Dr M. L. Meena - Member
 - Dr Sutanu Maji - Member
 - Dr. S. K. Dixit - Convenor
- Office Assistant (Outsourcing) - 01
- Driver (Out sourcing) - 02
- Head Mali/Field Supervisor (Out sourcing) - 02
- Workman (Out sourcing) - 42
- Equipment/Items -

The section has good infrastructure consisting of followings items:

- Tractor 02
- Trolley 01
- Tankar 01
- Harrow 01
- Cultivator 01
- Levelor 02
- Electronic lawn mower 01

B. Activities and Achievement:-

1. Section organized 1st Fruit, Vegetable and Flower Exhibition in the University campus.
2. Development of Carpet bed with name of BBAU (both side of main gate) in University campus.
3. Development of Lawn in front of Central Library building.
4. Development of Bougainvillea Garden in the University campus near Administrative Building.
5. Development of Rose Garden in the University campus near Guest house.
6. Development of Lawn in SBBT building.
7. Developed a beautiful lawn/ garden in the University Guest house.
8. Developed a colourful rose garden in front of V.C. Office.
9. Developed a small nursery for filling the basic requirement of University Campus.
10. Avenue plantation done on main road, University boundary wall, near V.C. residence, Administrative block, sport complex, main road and sub road for said purpose.
11. Developed a green belt in main arterial road.
12. Maintained lawns at various places like old gate, guest house, V.C. Residence, in front of V.C. Office and Building of SES. SAS, SBBT, Central Library.
13. Developed many seasonal flowers beds to beautify University Campus through various seasonal flowers.
14. Developed Kitchen garden in the Heath Centre building.
15. Start plantation drive to keep the University green.

C. Future Plan:-

1. To develop a lawn in Sport ground.
2. To production of Organic manure in the University Campus.
3. To develop three fountains like Main gate of the University, in front of Central Library and Rose Garden.

4. To develop a Rock/ Xerophytic garden between Auditorium building to Chitrlekha Hostel of the University Campus.
5. To develop an herbal garden which may be helpful in imparting Ayurvedic (Indigenous medicine) knowledge amongst students.
6. To develop water ponds in the University Campus for the recharging of soil and increasing the ground water level.
7. To maintain the lawn / garden through annual contract maintenance.
8. To develop the lawns / garden in newly constructed school buildings.
9. To establish a full fledged Nursery at University.
10. To develop a lawn/ garden in front of Boys Hostel.
11. To develop a Rose garden in front of V.C. Office.

NATIONAL CADET CORPS

National Cadet Corps is a Tri-Services Organization, comprising the Army, Navy and Air Force, engaged in grooming the youth of the country into disciplined and patriotic citizens. Training in NCC instills qualities like nationalism, patriotism, discipline, team spirit, spirit-de-corps, leadership and self-confidence and promotes overall personality development. NCC gives a tremendous opportunity to one and all for betterment, irrespective of caste, creed, religion or economic status. Based on the aims of NCC, the organization has laid down training syllabi for the cadets. The syllabi for the Senior Division cadets cover a period of three years. The NCC (Girls) wing of the BabaSaheb Bhimrao Ambedkar University started on 12 August, 2010. The NCC (Girls) wing of the BabaSaheb Bhimrao Ambedkar University with the strength of company is attached to the 20 UP Girls BATTALION NCC of the army. Commanding and Adm officers of 20 UP Girls BN are Lt. Col. P.K. Bhatia and Captain Preeti respectively. At present, total strength of enrolled cadets are 50. All NCC activities, in the University campus, are conducted under the supervision of Lt. Raj Shree, Asst. Professor, DIT. During this year, cadets have attended a number of camps such as Combine Annual Training Camp (CATC), Annual Training Camp and Army Attachment Camp. Our NCC

Plantation Programme done by Section



cadets have become the role model for other students by participating in social activities like health check-up camp, blood donation camp, tree plantation camp, anti-leprosy drive, Cancer Awareness Programmes and other NSS activities. In 2013-14 academic session, cadets attended two Combine Annual Training Camp (CATC) and one Annual Training Camp. These camps were held at Madhyamik Vidyalaya, R. A. Bazar, Topekhana, Lucknow. During the camps cadets learnt about first aid, shooting, map reading, personal hygiene etc.. The University NCC Cadets participated in 15 August, 2013 Parade held at University Campus. On 26 January 2014, all the cadets gave Guard of Honour as a mark of respect to H'ble vice-chancellor, Prof. R. C. Sobati. On the day, cadets planted approx. 100 trees in the University Campus. On 27th January, 2014, NCC Girls Wing, BBAU, LKO & 20 UP Girls BN, NCC,

LKO organized **Poster competition on the topic "National Integration and communal Harmony"**. 30 students of various schools of Lucknow, took part in the competition. The Programme was inaugurated by Dr. Sunita Chandra, Registrar of the University. The Chief Guest was Prof. M. Y. Khan, DSW of the University. Prof. Priti Saxena, Dr. Manish Verma, Dr. Sudarshan Verma, Dr. Preeti Misra were judges for that event. NCC Wing of university organized Plantation in the university campus time to time. The Cadet of the NCC also educated others to clean the campus make it plastic free and tobacco free. A Community program has been organized by NCC Girls wing of the university in adjacent village of the campus on 14 April 2014. The Cadet has given information a cleanliness health and hygiene to the villages. They also educated the villagers to educate their children.

Vice-Chancellor Secretariat

Sl. No.	Name of Congress/Conference/Seminar/Symposium/Workshop	Date
2013		
1.	A National Seminar organized by Ambedkar Studies Centre, BBAU message	8 th - 9 th April
2.	International Seminar on Transcending Caste : Dr. B.R. Ambedkar and Social Democracy	14 th - 15 th April
3.	One day workshop on the admission processes on US higher education	16 th April
4.	International Seminar on "Human Rights, Law, Justice and Governance"	26-27 April
5.	87 th Annual Meeting of the Association of Indian Universities held at DDU Gorakhpur University On "Enhancing Innovation & Productivity through Collaborations: Harnessing Potential of Universities"	3 rd - 5 th May
6.	4 th Convocation of the University	10 th May
7.	One day Workshop on Enhancing Communication Skills of Students in Higher Education. Role of Libraries	22 nd May
8.	Department of Environmental Science, BBAU, Lucknow organized One day Seminar on the theme entitled "Environment, Education and Society" on 5th June to celebrate the World Environment Day	5 th June
9.	A three-day International Conference on Mathematical Modeling and Numerical Simulation organized by the Department of Applied Mathematics, BBAU	1 st to 3 rd July
10.	Pre-Symposium of Indian Social Science Congress on "Building an ecologically sustainable society"	16 th August
11.	Brainstorming Workshop on Science, Technology and Innovation (STI) Policy 2013	13 th Sept.
12.	ACU Centenary Conference at London On "University Innovation Cycle: Role of Universities in promoting Innovation for Inclusive Growth"	16-18 Oct.
13.	Plenary Lecture during 2 nd ISTE Regional Convention at Dr. B R Ambedkar National Institute of Technology at Jalandhar	October 30,
14.	Deliver Valedictory Address on training programme on Capacity Building for Faculty Members in Social Sciences at GIDS, Lucknow	October 31

15.	Regional Science Congress at BADAL, Punjab	November 09
16.	Chief Guest in the Inaugural Function of a Training Programme on “Bioinformatics approaches in Genomics, Transcriptomics and Proteomics”, NBFGR, Lucknow	November 12
17.	North Zone Youth Festival, BBAU, Lucknow	November 15-19
18.	International Conference on Nanoscience & Nanotechnology Dept. of Physics, BBAU, Lucknow on “Nanoscience & Nanotechnology”	November 18
19.	ISCA Kanpur Chapter-Regional Science Congress at Kanpur	November 23-24
20.	International Conference on Advances in Biotechnology and Bioinformatics 2013, PUNE	November 25-27
21.	NAAC Accreditation of Sindhu Mahavidyalaya, Kaka Tilokchand Marg, Panchpaoli, Nagpur-440017	November 26-28
22.	Meeting of Srilankan Association for the Advancement of Science, Srilanka Visit	December 2-5
23.	Valedictory Function at UGC-Academic Staff College, BHU, Varanasi	December 09
24.	North Zone Vice Chancellors’ Meet, BBAU, Lucknow On “Futuristic and Inclusive Education: Need of the Country”	December 12-13
25.	Conference of Vice-Chancellors-RUSA at Hotel Meridien, New Delhi	December 18
26.	Diamond Jubilee Celebration-UGC, New Delhi	December 28
27.	INSA Meeting at BBAU, Lucknow	December 27
28.	Regional Science Congress Chapter, Manipur	December 30
		2014
29.	Chief Guest and deliver Convocation Address at ACCMAN Institute of Management, Greater Noida	January 11
30.	101 st Session of Indian Science Congress Association at University of Jammu, Jammu (Presidential Address)	February 3-7, 2014
31.	AAAS Annual Meeting, Chicago	Feb. 13-17
32.	88 th Annual Meeting of the AIU at KIIT University, Bhubaneswar	Feb. 25-27
33.	Science Day Lecture at BBAU, Lucknow	Feb. 28
34.	Science Day Lecture at CSIR-CIMAP On “Developing India as a Knowledge Society: Prospects and Constraints”	Feb. 28
35.	Chief Guest, Inaugural Session of the national Workshop-Gurukula Kangri Vishwavidyalaya, Haridwar on Biodiversity: CONTEMPORARY ISSUES	March 03
36.	2 nd Lucknow Social Science Congress at BBAU, Lucknow	March 6-7
37.	Workshop on Disaster Management Auditorium, River Bank Colony, Lucknow	March 08
38.	National Seminar on Differently-Abled Person In India: Reality & Challenges, CSSEIP, BBAU, Lucknow	March 10
39.	Two-day National Workshop on “Innovations and Technology Transfer to Industries: Role of Universities” at DES, BBAU, Lucknow	March 10-11
40.	Annual Sports Meet	March 12-13
41.	International Conference on “Faunal Biodiversity and their Conservational Strategies” Chief Guest and Deliver Key Note Address at Malviya Hall of Lucknow University	March 22
42.	A two-day International Seminar on “Global Politics and Governance in 21 st Century: Emerging Trends and Global Concerns” by Dept. of Pol. Sc., BBAU	March 22-23
43.	Second Lucknow Science Congress, BBAU, Lucknow	March 27-28
44.	ICPR Workshop on “Is Dalit Self Sociological or Philosophical” at Academic Centre, Gomti Nagar, Lucknow	March 27 03:00 p.m.
45.	National Conference on Information Security Challenges, NCISC-2014	March 28 10:00 a.m.
46.	Conference on IPA, Bodhgaya, Patna	March 29
47.	National Workshop for Women on use of post harvest management techniques in horticultural crops at DAPS, BBAU	31 st March to 1 st April

OUTSTANDING ACHIEVEMENTS OF ESTABLISHMENT SECTION

The following special assignments done/ achievements were made in the establishment / recruitment/right to information/central dispatch/legal cells during year 2012-2013.

1. Streamlined the self appraisal reports (sar) of teaching staff.
2. Streamlined the annual performance appraisal reports (apar) of non- teaching staff.
3. Decentralization of works of central dak dispatch cell.
4. Internal dak dispatch through electronic mode i.e., by e-mails.
5. Timely reply of rti matters and representations in personal hearings before the central information commission.
6. Disposed of several legal cases pending in the high court, lucknow bench, lucknow including rlc matters.
7. Maintenance of service record of teaching and non teaching staff of the university in the newly designed and printed format of service books.
8. Published university white paper containing the position of the university as per its official records.
9. Preparation of reply to show cause notice issued to bbau by mhrd.
10. Preparation of agenda items of various statutory meetings ie. Planning board and board of management in new format and issuing of minutes of these meetings.
11. Maintenance of records of annual increments granted to teaching and non-teaching staff.
12. Correspondence with planning commission/mhrd/ ugc related to parliamentary questions, furnishing of statistical data, budget proposal etc.
13. Processing for making timely payments to contractual staff through their bank accounts and issue of identity cards to them through manpower providing agency.
14. Submission of matters of promotions/macps of non-teaching staff and career advancement scheme of teaching staff.
15. Modification of recruitment & promotion rules of non teaching staff including media center.
16. Cag audit replies/confidential & disciplinary matters.

17. Forwarding of replies to notice issued by national commission for scheduled caste (ncsc), new delhi.
18. Leave sanctioning power decentralized to respective controlling officers.
19. Circulation of entry procedures in gpf & cpf schemes of bbau.
20. Materialized payments of lump sum medical allowance to pensioners.
21. Arrangements of republic day function, independence day, parinirvan day of bharatratna dr. Babasaheb bhimrao ambedkar.
22. Uploading all the important notifications / orders / circulars / memorandums etc, on website of bbau with a view to maintain transparency.
23. Constitution of committees to dispose of various administrative matters with the approval of the competent authority.

OUTSTANDING ACHIEVEMENTS OF FINANCE SECTION

1. Finance Section has started new era in sharing information on Website (Annual Accounts Budget, All circulars, complete GFR manual uploaded, work distribution etc.), this can very well be viewed on our website www.bbau.ac.in. This has proved to be of immense help to the stakeholders.
2. Pay Package for salary employees got implemented, Pay Slip of the employee now contains all the vital inputs of the employee for example photograph, various outstanding advances, leave balance, TDS, Address, PAN number, Phone number etc. This is well received by the employees as its an important tool of empowering the stakeholders. In fact Pay slip has become very effective tool of communication in reaching to each and employee of this university.
3. Pension disbursement has also started on the last date of the month first time religiously which used to have delays earlier. Pension package implemented.
4. Talley accounting package implemented. This has enabled the university to have the details of the data after finalization of the monthly accounts immediately and the decision taken has become quite swift.
5. Annual Accounts is prepared on double entry system as well as on the basis of accrual accounting concept as per MHRD/ UGC guidelines.

6. New Pension Scheme has been implemented fully in 2011 itself and all the legacy data as well as the money sent to NSDL and Trustee Bank respectively. This work was pending since 01/01/2004. Now each month the data is uploaded online with the NSDL (the CRA) and the money sent to the trustee bank online through RTGS only. (We are the First among all Central Universities to do this).
7. CPF / GPF accounting streamlined & made online in the doft form. Balance sheets issued on time.
8. BBAU Intra LAN facility also started where many HR data is uploaded like the employee details, salary details, Form - 16 etc.
9. All records of the Finance Section i.e. Voucher, Files, Annual Account, F.C. Minutes are properly bound kept in the rack in proper manner.
10. SMS alert of salary and other payments has been introduced through Finance Branch.
11. Introduced rational investment decisions & streamlined the investment of the University in a professional manner depending upon the interest rate fluctuation by the Banks. For the first time the Investment committee has been constituted, which looks into the prospects of better investment opportunities.
12. Started first time the process of preparation of Fixed Asset Registrar (Finance Branch has already prepared the same). The C&AG audit has adversely commented on the same.
13. Recently C7AG Audit also carried out the 5 years Review Audit of this university. So the audit review also got successfully conducted.
14. Most of Research Scholarship work taken from Academic Section & streamlined. The delays on the payment front removed and a system has been put in place which has streamlined the process.
15. Settlement of chronic Audit Para.
16. Each project of the university being given a separate account & separate ledger so that accounting is streamlined.

Financial Statement

ABSTRACT OF THE FINANCIAL STATEMENT (1ST APRIL 2012 TO 31ST MARCH 2013)

S. No.	Particulars	Amount	Amount	Amount	Amount
1.	Total Receipts side of Receipts & payment Account		1]287]995]213-74		1]326]196]328-36
	a) Grants Received During the year	404]005]069-00		667]603]719-00	
	b) Earmarked Fund			61]638]937-00	
	c) Interest Received	32]526]400-00		22]040]116-00	
	d) Investment	&		-	
	e) Other Income	28]785]546-77		16]425]063-00	
	f) Any Other Receipts	40]837]353-31		15]519]173-00	
	g) Opening Balance in Cash & at Bank	781]840]844-66		542]969]320-36	
2.	Total Payments side of Receipts & Payment Account		1]287]995]213-74		1]326]196]328-36
	a) Expenses of Non Plan Account	177]558]949-70		135]492]378-00	
	b) Exmarked of Plan Account	308]088]166-91		225]892]502-00	
	c) Earmarked Fund	----		80]137]392-00	
	d) Investment	10]600]262-00		&&&&&&&&	
	e) Other Payment	410]618]235-66		102]833]211-70	
	f) Closing balance in Cash & at Bank	381]129]599-47		781]840]844-66	
3.	Income Plan		70]035]740-00		495]426]534-00
	a) Grants / Subsidies	51]555]408-00		479]623]732-00	
	b) Intrest Earned	48]480]332-00		15]802]802-00	
4.	Expenditure Plan		268]327]710-00		87]526]995-00
	a) Establishment Expenses	73]212]931-00		67]333]241-00	
	b) Adminidtrative Expenses	19]740]937-00		2]831]853-00	
	c) Academic Expenses	30]801]627]00		16]432]204]00	
	d) Repairs & maintenance	144]572]215-00		929]697-00	
5.	Income - Non Plan		238]771]285-77		154]138]907-00
	a) Grants / Subsidies	216]122]000-00		142]042]134-00	
	b) Fees / Subscription	7]716]485-71		7]527]052-00	
	c) Interest Earned	2]652]228-00		978]113-00	
	d) Other Income	12]280]572-06		3]591]608-00	
6.	Expenditure - Non Plan		181]452]440-70		128]637]953-00
	a) Establishment Expenses	95]186]387-00		90]604]113-00	
	b) Administrative Expenses	38]884]801-70		19]355]706-00	
	c) Academic Expenses	19]241]091-00		6]145]254-00	
	d) Repairs & maintenance	28]140]161-00		12]532]880-00	
7.	Depreciation On Fixed Assets		35]733]070-36		28]348]160-00
8.	Profit / (Loss) Earned During The Year		176]706]194-29		405]469]144-00
	Non Plan Account Profit				
	Plan Account Profit				
9.	Fixed Assets & Capital		1]294]433]275-25		1]051]727]702-00
10.	Investment		-		-
11.	Current Liabilities & Provisions		623]899]405-66		1]024]535]450-00
12.	Earmarked Fund		106]991]248-00		115]923]731-00
13.	Current Liabilities & Provisions		109]945]374-19		82]247]168-00
14.	Capital Fund		1]701]396]057-75		1]878]102]253-00