

Evaluative Report of the Department

1. Name of the Department : **Mahila Mahavidyalaya**
2. Year of establishment : **1929**
3. Is the Department part of a School/Faculty of the university?
College of the University
4. Names of programmes offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., D.Sc., D.Litt., etc.): **UG, PG and Ph.D.**
5. Interdisciplinary programmes and departments involved: **NIL**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. :
NIL
7. Details of programmes discontinued, if any, with reasons : **NIL**
8. Examination System: Annual/Semester/Trimester/Choice Based Credit System: **Semester System**
9. Participation of the department in the courses offered by other departments:
NIL
10. Number of teaching posts sanctioned, filled and actual (Professors/ Associate Professors/ Asst. Professors/ others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	1	1+23 (Under CAS)	23 CAS
Associate Professors	14	8+17 (Under CAS)	17 CAS
Asst. Professors	104	45	
Others			

1. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

ARTS

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
AIHC & Archaeology					
Dr. Meena Lal	M.A., Ph.D.	Professor	Epigraphy & Purana	29 years (approx.)	Ph.D.(Awarded)-02 Ph.D. (in progress) -04
Dr. Patience Philips	M.A., Ph.D.	Assistant Professor	Archaeology	05 years	Ph.D. (in progress)-02
Bengali					
Dr. Soma Dutta	Ph.D.	Assistant Professor	Hindi Sant in Connection with Rabindranath Tagore	07 years	Ph.D. (in progress)-02
Ms. Shukla Basu	M.A.	Assistant Professor	Rabindra Kabya	43 years	Nil
English					
Dr. S. Singh	Ph.D.	Professor Emeritus	Fiction (British American Indian) Cultural Literary Studies Theory, Feminist Studies	45 years	07
Dr. M. Sodhi	Ph.D.	Professor & Principal	Indian Autobiography and Literary Theory	41 years	07
Dr. N. R. Mahanta	Ph.D.	Assistant Professor	Indian Writings in English	08 years	02
Dr. S. Bandopadhey	Ph.D.	Assistant Professor	American Literary Theory	08 years	Nil
Dr. Archana	Ph.D.	Assistant Professor	Indian Writing in English	06 years	Nil
Hindi					
Dr. Pushpa Agrawal	D.Litt- P.G. Diploma in French and Linguistics	Professor	Kavyashashtra, Bhashavigyan, Alochana, Nai Kavita	35 years	06
Dr. Chandra Kala Tripathi	Ph.D.	Professor	Adhunik, Samkalin Sahitya aur Alochana, Stri Vimarsh Natak Ebn Rangmanch	34 years	08
Dr. Suman Jain	Ph.D., B.J.	Associate Professor	Chayavodottar Kavita, Sant Sahitya, Loke Sahitya	21 years	06

Ms. Urvashi Gahlaut	M.Phil	Assistant Professor	Loke Sahitya	05 years	Nil
History of Arts					
Dr. Abha Mishra Pathak	Ph.D.	Assistant Professor	Sculpture	08 years	04
Philosophy					
Dr. Urmila Chaturvedi	M.A., Ph.D.	Professor	Advatvedant, Sankhya, Yoga, Indian Philosophy, Contemporary Indian Philosophy and Philosophy of Religion	38 years	09
Dr. Jyotsana Srivastava	M.A., Ph.D.	Associate Professor	Socio-political philosophy, Ethics, Logic, Indian & Western Philosophy, Contemporary Philosophy	23 years	05
Dr. Jai Singh	M.A., Ph.D.	Assistant Professor	Philosophy of Culture, Socio-political Philosophy, Logic, Indian & Western Philosophy, Contemporary Philosophy of Religion	05 years	02
Physical Education					
Dr. Archana Singh	Ph.D.	Associate Professor	Sports Psychology	15 years	01
Sanskrit					
Dr. Vibha Rani Dubey	M.A., Ph.D.	Professor	Sanskrit Poetics Sahitya	28 years	08
Dr. Mitali Deb	M.A., Ph.D.	Assistant Professor	Veda	08 years	05
Urdu					
Dr. Rifat Jamal	M.A., Ph.D.	Professor	Maulvi Zakaullah Hayat aur Karnamaey	37 years	07

SOCIAL SCIENCE

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Economics					
Dr. Inu Mehta	Ph.D.	Professor	Public Finance, International Eco.	30 years	03
Dr. P. Ravindranath	Ph.D.	Assistant Professor	Women's Studies & Public Finance	24 years	02
History					
Ms. Sarswati	M.A.	Assistant Professor	Modern History	9 years	-
Political Science					
Dr. Seema Das	Ph.D.	Assistant Professor	Indian Government and Politics, Comparative Politics	7 years	02
Psychology					
Dr. Sandhya Singh Kaushik	Ph.D.	Professor	Clinical Psychology Behaviour	38 years	06
Dr. Anjana Mukhopadhyay	Ph.D.	Professor	Clinical Psychology	33 years	06
Dr. Ranjana Mitra	Ph.D.	Professor	Organizational	33 years	06
Dr. Nishat Afroz	Ph.D.	Assistant Professor	Organizational	10 years	02
Sociology					
Dr. Shashi Rani Agrawal	Ph.D.	Professor	Medical Sociology	36 years	06
Dr. Rita Singh	Ph.D.	Professor	Women's Studies, Gandhi Studies	25 years	03 Awarded 07 Enrolled
Dr. Pratima Gond	Ph.D.	Assistant Professor	Problems of Dalit Women	2 years	04
Education					
Dr. Geeta Rai	Ph.D.	Professor	Edu. Administration, Language Testing	39 years	04
Dr. D. R. Sexena	Ph.D.	Professor	Edu. Psychology, Guidance and Councelling	37 years	04
Visual Arts					
Dr. Saroj Rani	Ph.D.	Associate Professor	Pahari Miniature, Print, Making (Etching)	24 years	03
Performing Arts					
Dr. Richa	D. Mus.	Assistant Professor	Hindustani Classical & Semi Classical	26 years	03
Dr. Layleena Bhatt	M.A.	Assistant Professor	Bharat Natyam	33 years	-
Dr. Mangla Kapoor	D. Mus.	Assistant Professor	Hindustani Classical, Semi Classical & Light Music	26 years	02

SCIENCE

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Bioinformatics					
Rajeev Mishra	M.Sc , PGD, Ph.D. (ongoing)	Assistant Professor	Bioinformatics	7 years	01
Dr. Swati	M.Sc., Ph.D. (Physics)	Associate Professor	Atomic Collision, Bioinformatics	7 years	04
Botany					
Dr. M. Bala Tyagi	MSc, PhD (BHU)	Professor	Phycology	34	02
Dr. Pratima Kapur	MSc ,PhD (BHU)	Assistant Professor	Ecology	34	01
Dr. Kavindra Nath Tiwari	MSc, PhD (BHU)	Associate Professor	Plant Biotechnology & Natural Products	19	06
Dr. Nishi Kumari	MSc, PhD (BHU)	Assistant Professor	Plant Morphogenesis	08	04
Dr. Neelam Atri	MSc ,PhD (BHU)	Assistant Professor	Phycology	07	03
Dr. Richa Raghuwanshi	MSc, PhD (BHU)	Assistant Professor	Microbiology Biotechnology	07	04
Chemistry					
Dr. S. Sengupta	Ph.D	Associate Prof	Organic Chemistry	33	----
Dr. K. Kundu	Ph.D	Associate Prof	Organic Chemistry	34	01
Dr. M. Arora	Ph.D	Associate Prof	Inorganic Chemistry	36	----
Dr. C. Pandey	Ph.D	Associate Prof	Organic Chemistry	30	----
Dr. M. Singh	Ph.D	Associate Prof	Analytical Chemistry	12	02+01 (Nov. 2012 registration)
Dr. P. Lahiri	Ph.D	Assistant Prof	Organic Chemistry	13	----
Dr. S. Pratap	Ph.D	Assistant Prof	Organic Chemistry	10	01
Dr. D. Katiyar	Ph.D	Assistant Prof	Organic Chemistry	07	01+01 (Nov. 2012 registration)
Dr. S. Pokhariya	Ph.D	Assistant Prof	Organic Chemistry	07	01 (Nov. 2012 registration)
Dr. S. Saha	Ph.D	Assistant Prof	Organic Chemistry	05	03
Computer Science					
Dr. Rakhi Garg	M.Sc, Ph.D (Computer Science)	Assistant Prof	Data Mining and Parallel Computing	05	Nil
Dr. Ratneshwar	Ph.D (Computer Engineering)	Assistant Prof	Software Engineering	05	02

Geography					
Dr. Usha Singh	M.A., Ph.D	Professor	Geomorphology, Hydrology	34	Awarded 4 Enrolled 3
Dr. Arun Kumar	M.A., M.Phil, Ph.D	Associate Prof.	Urban Geography, Population and participatory planning	19	Enrolled 4
Dr. B. K. Choudhary	M.A., M.Phil, Ph.D	Assistant Prof	Urban and regional development, Health, Political Ecology	08	Enrolled 3
Dr. Seema Tiwari	M.A., Ph.D	Assistant Prof	Agriculture and population	05	Enrolled 2
Home Science					
Prof. (Mrs.) Indira Bishnoi	M.Sc., Ph.D.	Professor	Home Science Extension Education	30 years	Awarded 6 Enrolled 7
Prof. (Mrs.) Archana Chakravorty	M.Sc., Ph.D.	Professor	Food & Nutrition	33 years	Awarded 3 Submitted 2 Enrolled 7
Prof. (Mrs.) Kalpna Gupta	M.Sc., Ph.D.	Professor & Head	Child Development	29 year 10 months	Awarded 3 Submitted 1 Enrolled 7
Dr.(Mrs.) Mukta Singh	M.Sc., Ph.D.	Assistant Professor	Food & Nutrition	8 yeses	Submitted 4 Enrolled 2
Dr.(Mrs.) Puspa Kumari	M.Sc., Ph.D.	Assistant Professor	Agril. Extension & Communication	4 years	Enrolled 3
Mathematics					
Prof. Rehana Quraishi	M.Sc, PhD	Professor	Relativity	40 Years	Nil
Prof. Kalpana	M.Sc, PhD	Professor	Differential Geometry	30 Years	One
Mr. Pankaj	M.Sc, NET, PhD (submitted)	Assistant Professor	Operation Research	07 Years	Nil
Dr. Pravati Sahoo	M.Sc., PhD	Assistant Professor	Complex Functional Analysis	10 Years	One
Physics					
Dr. Swati	Ph.D	Associated Professor	Atomic Collision, Bioinformatics	32 years	05
Dr. Usha Saxena	Ph.D	Associate Professor	Crystallography and solid state Physics	28years	01
Dr. Neelam Srivastava	Ph.D.	Associated Professor	Material Science	17 years	Submitted 1 Enrolled 2
Dr. A.K. Ganguli	Ph.D.	Assistant Professor	Astrophysics Particle Physics	06 years	02
Dr. Sanjay Kumar Srivastava	Ph.D.	Assistant Professor	Photonics and optoelectronics, Nanomaterials	09 Years	03
Dr. H. Mishra	Ph.D.	Assistant Professor	Fluorescence Spectroscopy	05 years	03

Statistics					
Dr. S. Tripathi	M.Sc., Ph.D.	Professor	Demography, Econometrics	35 year	Nil
Dr. U. Srivastava	M.Sc., Ph.D.	Assoc. Professor	Demography	34 year	Two
Zoology					
Dr. Swarnlata	M.Sc. Ph.D	Associate Prof.	Cell Biology	36 year	03 ongoing
Dr. Poonam Singh	M.Sc. Ph.D	Associate Prof.	Mammalian Endocrinology	21 year	04 ongoing
Dr. Sunita Singh	M.Sc. Ph.D	Assistant Prof.	Cytogenetics and Molecular Genetics, Clinical Genetics	11 year	04 ongoing
Dr. Karuna Singh	M.Sc. Ph.D	Assistant Prof.	Animal Mycology and Insect Immunology	10 year	03 ongoing
Dr. Rashmi Singh	M.Sc. Ph.D	Assistant Prof.	Immunology	08 year	02 ongoing
Dr. Radha Chaube	M.Sc. Ph.D	Assistant Prof.	Molecular Reproductive Neuroendocrinology	06 year	04 ongoing 02 DST-JRF
Mrs. Geeta J. Gautam	M.Sc.	Assistant Prof.	Endocrinology	05 year	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors
Emeritus Professor:- 01 (Prof. Sushila Singh)

List of Visiting Faculty

S. No.	Name	Designation	Address
1.	Prof. Alok Bhattacharya	Professor	Jawaharlal Neharu University New Delhi
2.	Prof. R. Ramaswamy	Vice-Chancellor	Hyderabad University, Hyderabad
3.	Prof. Sarnam Singh	Professor	IIRS, Dehradun
4.	Dr. D. Chaudhury	Associate Professor	Jawaharlal Neharu University New Delhi
5.	Dr. A. Lynn	Associate Professor	Jawaharlal Neharu University New Delhi
6.	Dr. Arun Jagannath	Associate Professor	University of Delhi, Delhi
7.	Prof. C. Gopi Mohan	Assistant Professor	NIPER, Mohali

8.	Prof. S. K. Basu	Professor	Banaras Hindu University Varanasi
9.	Dr. S. Karthikeyan	Associate Professor	Banaras Hindu University Varanasi
10.	Dr. Sanjeev Kumar	Assistant Professor	Banaras Hindu University Varanasi
11.	Prof. D. Bhattacharyya	Professor	SINP, Kolkata
12.	Dr. Pichai Asokan	Technical Training Expert	I.I.T. Mumbai

13. Percentage of classes taken by temporary faculty – programme-wise information
N.A.

14. Programme-wise Student Teacher Ratio

UG: 1:17

PG: 1: 20

Ph.D.: As per rule

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

	Sanctioned	Filled	Vacant
Technical			
Lab Staff	39	36	3
Professional Staff	15	13	2
Non-Teaching			
Ministerial	10	8	2
Group 'D'	11	11	Nil

16. Research thrust areas as recognized by major funding agencies

Sanskrit:- Literature & Poetics Stream Vedas & Philosophy Stream

Urdu:- Literature, Poetic, Novels, Drama, etc.

Philosophy:- On philosophy of M. M. Malviya

Bioinformatics, Chemical Sciences, Life Sciences, Physical Sciences, Earth Sciences, Home Science, Computer Sciences

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S.No.	Project Title	Funding Agency	Duration	Budget (in lacs)	Name of PI/Co-I
Science					
1.	Role of Curcumin on Airway Hyperresponsiveness: Molecular mechanism and Therapeutic Potential	UGC, New Delhi	2011-2014	6.86	Dr. Rashmi Singh (PI)
2.	Energetic low melting ionic salts & metal complexes. Design, Synthesis and structural studies of Nitrogen rich heterocycles for Application as HEDHS.	DRDO, New Delhi	2012-2014	24.7	Dr. S S Sunkari (CO-I)
3.	Lipopolysaccharides from Airborne pathogens contribute to Lung Inflammation: Study on Immunomodulation	DST, New Delhi	2012-2015	24.96	Dr. Rashmi Singh (PI)
4.	Catfish ovarian vasotocin and vasotocin receptor genes: molecular cloning, characterization and expression, and role in spawning activity	DST, New Delhi	2010-2013	37.03	Dr. Radha Chaube (Co-I)
5.	Urban water supply and sanitation	UGC, New Delhi	2010-2013	10.6	Dr. A. K. Singh (PI)
6.	Modulation of the cytochrome P450 aromatase gene expression in the catfish <i>Heteropneustes fossilis</i> : Involvement of Endocrine disrupting chemical	DST, New Delhi	2012-2015	22.90	Dr. Radha Chaube (PI)
7.	Effects of Pentachlorophenol on the reproductive status of catfish <i>Heteropneustes fossilis</i> .	UGC, New Delhi	2011-2014	9.518	Dr. Radha Chaube (Co-I)
8.	Germplasm conservation of <i>Couroupita guianensis</i> and <i>Spondias mangifera</i> through tissue culture	UGC, New Delhi	2012-2015	15.078	Dr. Nishi Kumari (PI)
9.	Synthesis of novel Zwitterionic Polymers and study of their Optoelectronic, Electrochemical characteristics &	UGC, New Delhi	2012-2015	8.05	Dr. Meenakshi Singh (PI)

	application for sensor development				
10.	A novel study of Nanolayered tunable optical filter based on photonic band gap materials with various application	UGC, New Delhi	2012-2015	3.925	Dr. Sanjay Kumar Srivastava (PI)
11.	Study of Fluorescence Resonance Energy Transfer between Dye and Nano-article Doped Conjugated Conducting Polymers and its Application	UGC, New Delhi	2012-2015	11.60	Dr. Hridyesh Misra (PI)
12.	Mycosporine like amino acids (MAAs) Synthesis and protein turnover during UV-B stress in Cyanobacteria	DST, New Delhi	2010-2013	29.0	Prof. M B Tyagi (Co-I)
13.	Design characterization and synthesis of antilarial compounds	UGC (Minor), New Delhi	2010-2012	1.2	Dr. Diksha Katiyar (PI)
14.	Vegetation carbon pool assessment	Department of Space, IIRS	2010-2011	2.4	Dr. Pratima Kapur (PI)
15.	Micro propagation of a tropical tree <i>Sterculia alata</i>	UGC (Minor), New Delhi	2007-2009	.60	Dr. Nishi Kumari (PI)
16.	Design, Synthesis and structural Elucidation of some Supramolecular complexes formed by some N and O donor ligands	DST, New Delhi	2007-2010	16.39	Dr. S. S. Sunkari (PI)
17.	Development of Zwitterionic Polymer electrolyte for electrochemical application	DST, New Delhi	2008-11	20.50	Dr. N. Srivastava (PI)
Arts and Social Sciences					
18.	Sanskrit sahitya me striyoka samaj bhagita addhyayan vartman paripreksha me uski prasangikta	UGC, New Delhi	2012-2015	10.00	Dr. Mitali Deb (PI)
19.	Need of Parent Education in the selected slum areas of Varanasi city of Uttar Pradesh	UGC, New Delhi	2010-2012	5.84	Prof. Kalpna Gupta (PI)

9.	Impact of organized corporate retail sector upon employment, output and consumption	UGC, New Delhi	2009-2011	4.99	Dr. Nidhi Sharma (PI)
21.	Modern Sati: A Study of Burning out of Women Employees in Call Centres	UGC, New Delhi	2009-2011	3.82	Dr. Shweta Prasad (PI)
22.	Cereal System initiative for South Asia	World Bank, Bill and Melinda Gates Foundation and U.S. Aid	2009-2011	12.28	Dr. Shweta Prasad (PI for Eastern U.P. hub)
23.	A cultural study of Kalachuri inscription	ICHR, New Delhi	2008-2010	0.60	Prof. Meena Lal (PI)
24.	A Comparative Study of Varta Kathas for women in Uttar Pradesh and West Bengal	UGC, New Delhi	2007-2010	3.53	Dr. Namrata Rathore Mohanta (PI)
25.	Environmental, professionalism ethics and teacher education programme in Bihar, Madhya Pradesh and Uttar Pradesh	UGC, New Delhi	2006-2009	5.60	Dr. Deepa Rani Saxena (PI)

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration

- i. Cloning and characterization of AVT, Isotocin and Mesotocin genes and AVT receptor genes in catfish brain and ovary. The work is supported by a DST project and Dr. Radha Chaube, Asst. Prof., Zoology Section, MMV, BHU is Co-PI and collaborator in this programme. (grant received: 37.03 lacs)
- ii. Effects of pentachlorophenol (PCP) on the reproductive status of the catfish *Heteropneustes fossilis*. The work is supported by UGC and Dr. Sunanda Dubey, U.P. College, Varanasi is the PI and collaborator in this programme (As Co-PI; grant received: 9.518).

b) International collaboration

International collaborative Project approved

- iii. Catecholestrogens in fish reproductive endocrinology. Multi-institutional collaboration with Prof. K.P.Joy, Department of Zoology, BHU, Varanasi, Dr. Moses Inbaraj, Department of Zoology, MCC, Chennai, Dr. Radha Chaube, Asst. Prof., Zoology Section, MMV, BHU, Prof. A. Fostier, Dr. Y. Guiguen and Dr. J. Bobe (INRA, SCRIBE, Campus de Beaulieu, 35042 Rennes Cedex, France).

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S.No.	Funding Agencies	Grant Received (in lakhs)
1.	DST-FIST (2003-2008)	44.0
2.	DST-PURSE (2009-continued)	14.72
3.	DBT-STAR College	43.4

20. Research facility / centre with : **N.A.**

- state recognition
- national recognition
- international recognition

21. Special research laboratories sponsored by / created by industry or corporate bodies : **N.A.**

22. Publications:

Number of papers published in peer reviewed journals (national / international) : **460**

Monographs : **04**

Chapters in Books : **71**

Edited Books : **13**

Books with ISBN with details of publishers: **11**

- Physical Education - 01, ISBN - 978-81-7831-278-1, Manak Publication
- Hindi - 02, ISBN - 978-93-816-98-08-2, Anvikshiki, ISBN - 978-93-5000-173 B, Anvikshiki
- Sanskrit - 01
- Urdu - 01
- **Botany:** 01-Biodiversity and Sustainable Development; ISBN : 978-81-905131-0-4; Prasanna Prakashan, Bhopal, MP(Editor Dr KN Tiwari & Dr Swarn Lata)

- **Chemistry:** 02-Fundamentals of Nuclear and Radiation Chemistry, Kala Prakashan, Varanasi-221009 [2009; ISBN: 978-93-80467-13-9]
- Paryavaran aur Rrasayanvigyan – Ek Anusheelan, Kala Prakashan, Varanasi-221009 [2010; ISBN: 978-93-80467-66-5]
- **Geography:** 01-Germany: VDM Verlag, 2008, ISBN 978-3-639-01306-1
- **Home Science:** 01-Gender Analysis in Dairy Farming Practices among Van Gujjars in India, LAMBERT (Academic Publishing), ISBN-98-3-659-11485-4
- **Zoology-02-(9th ISRPF Symposium Proceedings).** (Published by Indian Society for Education and Environment (ISEE) Suppl. Vol: 4 Issue: S8, ISSN: 0974-6846. Chennai). Biodiversity and Sustainable Development, Prasanna Prakashan, Bhopal, 2011. (Eds. Tiwari KN and Lata S) ISBN: 9788190513104.

Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **68**

Citation Index – range / average : **1 to 45**

SNIP : **0.087-9.36**

SJR: **0.079-5.087**

Impact Factor – range / average : **0.77-9.676**

h-index: **1 to 10**

23. Details of patents and income generated: **N.A.**
24. Areas of consultancy and income generated : **N.A.**
25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: **03**
 - **IIIT Hyderabad**
 - **Institute of Fluorescence, Maryland USA**
 - **Visited Lab of Prof. A. Fostier's at INRA, Rennes, France, July 9-10, 2010 for initiating future collaborative project**

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (please specify) : 05

National committees

Chemistry: Reviewer of the manuscript for Journal of Hazardous materials, J. of Fluorescence, J. of Spectrochim Acta -Dr. Meenakshi Singh, J. of Medicinal Chemistry Research-Dr. Diksha Katiyar

NSS, BHU- Dr. Diksha Katiyar, Dr. Sandeep Pokaharia

Home Science: Member, Asian Journal of Home Science-Prof. Indira Bishnoi and Prof. Archana Chakaravaty

Physics Dr. Avijit K. Ganguly Referee for **Pramana, J. of Astrophysics**

Zoology: Life member of Society for Biotechnologists (India), Life member of Indian Society of Cell Biology (Regd., India), Life member of Indian Academy of Neurosciences (IAN), Life member Society for Reproductive Biology and Comparative Endocrinology, Life Member of Indian JSPS Alumni Association - Dr. Radha Chaube

Life member Society for Reproductive Biology and Comparative Endocrinology- Ms. Geeta J.Gautam

Reviewer of the manuscript for Journal-Fish Physiology and Biochemistry, Protoplasma, Pharmacologia, Journal of Endocrinology, Ecotoxicology and Environmental safety - Dr.Radha Chaube

National Journal of Life Sciences, Indian Journal of Scientific Research - Dr.Sunita Singh
Reviewed manuscript for "Journal of Diabetes" in 2012, Wiley Publications- Dr. Sunita Singh

a) International committees

Mathematics-Member Tensor's A Journal Published from Japan-Prof. Rehana Quraishi

Zoology: Member of International Brain Research Organization, France-Dr. Radha Chaube

c)Editorial Board

Botany:- 01 (Dr KN Tiwari; Journals: Biological Forum, Biozone, Journal on New Biological Report)

Chemistry-Dr. Meenakshi Singh [*Editorial board member of ISST Journal of Applied Chemistry (ISSN:0976-7355)*]

Mathematics-Progress of Mathematics Journal Published from BHU, Varanasi-Prof. Kalpana

Zoology- Dr Radha Chaube- Member of Editorial Board for Journal of Pharmacologia, UK (International)

Co-editor of 9th ISRPF Symposium Proceedings. (Published by Indian Society for Education and Environment (ISEE) Suppl. Vol: 4 Issue: S8, ISSN: 0974-6846. Chennai)- Dr. Radha Chaube

Member of Editorial Board of the Book: Molecular and Physiological Aspects of Toxicology, 2009; ISBN: 81-85403-09-2-Dr. Radha Chaube

Co-Editor of the Book: In proceedings of 9th International Symposium on Reproductive Physiology of Fish. Cochin, India August 9-14, 2011. Published by Indian Society for Education and Environment (ISEE) Suppl. Vol:4 Issue: S8; ISSN: 0974-6846-Dr. Radha Chaube

Member of Editorial Board for Journal of Pharmacologia, UK-Dr. Radha Chaube

27. Faculty recharging strategies (UGC, ASC, Refresher / orientation programs, workshops, training programs and similar programs).

Academic Staff Development Programmes	Number of faculty
Refresher courses	23
HRD programmes	02
Orientation programmes	15
Staff training conducted by the university	12
Staff training conducted by other institutions	07
Summer / Winter schools, workshops, etc.	17

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects : 100%
- percentage of students doing projects in collaboration with other universities / industry / institute : 100%

29. Awards / recognitions received at the national and international level by

- Faculty**
 - Dr. Radha Chaube** received Indo -Australian early career S&T Visiting Fellowship Programme 2012-2013 by Indian National Science Academy (INSA), New Delhi and Australian Academy of Sciences, Canberra.
 - Dr. Radha Chaube** selected as a guide for one faculty and oneresearch scholar for conducting Summer Research Programme by IISC-INSA-NASI organization.
 - Best poster presentation award at National Symposia On Zoological Sciences "Recent Challenges and Its Applications in Medical Research", 3rd- 4th February 2012, Organized by Department of Zoology Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)- Ms Geeta J. Gautam, AK Pandey and Radha Chaube

- Doctoral / post doctoral fellows : Nil
- **Students**
 - Home Science-Poster prize awarded to Km. Sukanya Chakarvarty
 - **Zoology-Satyendra Singh** and Swarn Lata-1st prize on poster presentation at National Symposia of National Symposium on “ Recent Palestrae in Photosciences” Organized by Department of Zoology , Banaras Hindu University, Varanasi
 - **Jyoti Rani** and Karuna Singh- Best poster presentation in International conference on Mycology and Plant Pathology : Biotechnological Approach- ICMPBA-2012 held at Department of Botany, BHU, 26th - 29th Feb, 2012 “Isolation of non pathogenic strain of ballistosporous yeast *Sporobolomyces salmonicolor* from house mouse *Mus musculus* (Rodentia: Muridae)
 - AS Yadava, **N. Kankan**, S Awasthi, S.Lata and VMS Srivastava- Best poster presentation in National Symposium on “ Environmental Threat to Human Health in 21st Century at MMV, BHU, 16th -17th Jan, 2009.
 - Philosophy: 01, Dr. Vijay Shree Smiriti Yuva Puraskar, 2011
 - Sanskrit: 04, Akhil Bhartiya Vyas Mahotsav, 2010-2011

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Sl. No.	Title of the Academic Programme	Name of the Funding Agency	Period of the Programmes	National/ International	Name of the Organizing Committee
1.	Methods of Chromosomal Banding (Academic Meets)	-		National	Star College Scheme of DBT, Govt. of India, & BHU
2.	Women and Heart Problems (Academic Meets) by Dr. P.R. Sinha, renowned Cardiologists, Director V B S Heart Institute, Varanasi	-	20 October 2012	National	Academic Forum
3.	Role of Home Science in Development of Community and Nation	BHU	02-03 November 2012	National	Home Science, MMV

	Allama Iqbal: Shakhsyat aur Karname	National Level for Promotion of Urdu Language, New Delhi	10 November 2012	National	Urdu, MMV
5.	The State of the Nation by Sri H. K. Dua Senior Journalist & Political Commentator and Member of Parliament, Rajya Sabha, New Delhi	-	07 February 2013	National	Academic Forum ✓
6.	Contemporary Urban Systems: Challenges and Opportunities	Action Aid India, ICSSR, Kalkatta Anthropological Survey of India	11-13 February 2013	National	Geography, MMV
7.	Science in Witness Box by (Academic Meets) by Hon'ble Vice- Chancellor, Padmashri Dr Lalji Singh, BHU	-	12 March 2013	National	Academic Forum
8.	Interface between Natural Sciences and Biosciences (Academic Meets)	-	25-26 March 2013	National	Star College Scheme of DBT, Govt. of India, & BHU
9.	National Symposium of Environmental Threat to Human Health in 21th Century	MoF, UGC, CSIR, BHU	January 16- 17,2009		MoF, UGC, CSIR, BHU
10.	National conference on Experimental tools for materials science research: state of art	DST, BRNS, CSIR	December 3- 4, 2010		DST, BRNS,CSIR)
11.	National Seminar on Global Challenges: Literature, Culture, Society and Environment,	UGC, CSIR	March 19-20, 2010		UGC, CSIR

12.	Determination of electronic structure of molecules : using Gaussian Application	Star College Scheme of DBT, Govt. of India	March 25-26 2011		Star College Scheme of DBT, Govt. of India
13.	Workshop on Python, Scientific Language of Programming, conducted by Dr. P. Asokan and the FOSSEE project team from IIT-Bombay		May 2-3, 2011		
14.	Hands Training in "Techniques in Biology"	Star College Scheme of DBT, Govt. of India	2011		Star College Scheme of DBT, Govt. of India
15.	Hands Training on "Histological methods"	Star College Scheme of DBT, Govt. of India	2011		Star College Scheme of DBT, Govt. of India
16.	Hands Training on "Biopolymers"	Star College Scheme of DBT, Govt. of India	February 26, 2011		Star College Scheme of DBT, Govt. of India
17.	Training workshop on "Interface between Natural Sciences and Biosciences"		March 25 - 26, 2012		

31. Code of ethics for research followed by the departments

N.A.

32. Student profile programme-wise:

Name of the Programme (refer to Question no. 4)	Applications received	Selected		Pass Percentage	
		Male	Female	Male	Female
UG	2880	-	960	-	90%
PG	100	-	33	-	99%
Ph.D.	45	03	19	100%	100%

33. Diversity of students

Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG	-	80%	14%	1%
PG	35%	86%	14%	Nil
Ph.D.	15%	90%	9.9%	0.1%

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Civil Services	:	02
Defense Services	:	Nil
NET	:	40
SET	:	Nil
GAT	:	03
JRF	:	28
SRF	:	05

35. Student progression

Student progression	Percentage against enrolled
UG to PG	70%
PG to M.Phil.	Nil
PG to Ph.D.	40%
Ph.D. to Post-Doctoral	Nil
Employed <input type="checkbox"/> Campus selection <input type="checkbox"/> Other than campus recruitment	25%
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	58%
from other universities within the State	25%
from universities from other States from	15%
universities outside the country	2%

37. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. and D.Litt. during the assessment period

Ph.D. : 03

38. Present details of departmental infrastructural facilities with regard to

a) Library : **Yes**

b) Internet facilities for staff and students : **Yes**

c) Total number of class rooms : **15**

d) Class rooms with ICT facility : **03**

e) Students' laboratories : **17**

f) Research laboratories : **08**

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

Doctoral : 25

Ph.D. : 71

Research Associates : 06

b) from other institutions/universities

Doctoral : 18

Ph.D. : 19

Research Associates : Nil

40. Number of post graduate students getting financial assistance from the university.:
02

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

N.A.

42. Does the department obtain feedback from
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

Implemented at University level

- students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?
 - alumni and employers on the programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10)
- 1) Prof. Geeta Watal, Prof of Chemistry, Allahabad Univ, Allahabad
 - 2) Dr. Shanta Banerjee
 - 3) Dr. Manju Sharma
 - 4) Prof Manju Agarwal (Head, Depts. Mathe. Lucknow University)
 - 5) Mrs. Renu Kapoor (Rtd IAS officer)
 - 6) Mr. Indira Tiwari (NPL,Scientist , New Delhi)
 - 7) Prof . T.V. Uma (Professor -USA)
 - 8) Prof . Agnesh Fernaclis (Professor ,USA)
 - 9) Prof. Indrani Chakravarty, Ex. V. C. of Indira Sangeet Vishvavidyalaya, Khairagarh, M.P.

44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- **Botany**-Arranged invited Lecture by resources persons belongs BHU and other
 - Institutions, Provided Hands on Training on almost all aspects of Plant Sciences
 - **Bioinformatics** - Two workshops a year organized on Perl programming and Python programming
 - **Chemistry**-Special lecture on Biopolymers by Prof. P.K.Dutta, Department of Chemistry, MLNR, Allahabad, Special lecture on Mass by Dr. S.Nallapeta, Bruker Daltonics India Pvt Ltd,Banagalore, Special lecture on Modified PVC by Prof. Neera Misra, Coordinator, School of Biomedical Engineering, IIT, BHU

- 14 September Hindi Divash
 - Seminars
 - Special Lectures
 - Platinum Jubilee Lecture
 - Rojgar Pakhvara ?
45. List the teaching methods adopted by the faculty for different programmes.
Black board teaching , Power point Presentation, Field study, Chalk & Board, Over Head Projector, Power Point presentation, Experimental skills in laboratories, Dissertations at UG & PG level, Field visits, Chemical plants visit, Audio-visual mode, manual
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
Help is taken from other departments and IIT, BHU. (Bioinformatics)
By evaluationg progress and results of the students performance
47. Highlight the participation of students and faculty in extension activities.
Every year study tours, visit to other departments and visits made by external senior faculty members are organised by department.
48. Give details of “beyond syllabus scholarly activities” of the department.
Organization of sports, Cultural events, Quiz and industrial visit, hands on training, projects by students, dissertations, visit to chemical industries
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
N.A.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
- Discuss old mythology and cultural aspects with contemporary social aspects
 - Lectures on Environmental Ethics

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths -

- Good academic and administrative atmosphere; reasonably good students.
- Competent faculty members, amicable academic culture and environment for quality education, unlimited availability of teachers concerned to attend and meet students on demand.
- Multidisciplinary courses are conducted and involvement of faculty members in various interdisciplinary courses which are run by other departments
- Exposure to students through UG and PG projects

Weaknesses -

- Low strength of faculty members compared vis-avis with increased students on roll, lack of latest audio-visual aids as per the demand of latest educational technologies.

Opportunities -

- Ample opportunities are there for exposure and increasing knowledge base through seminars, conferences, workshops and other visits under different programmes.
- Interdisciplinary lectures can be arranged, Sanskrit is most computer friendly language.
- Students are exposed to various teaching skills, projects, visits, assignments, seminars, workshop and other activities for building up of their career.

Challenges-

- To make the student disciplined and academically strong in view of the revised syllabus; To create interest of the subject in their studies; To maintain the quality of the education in spite of infrastructural and other deficiency.
- Decreasing popularity, to strengthen the language in daily use i.e. speaking, to develop comprehensive knowledge.

52. Future plans of the department.

At present MMV imparts education to more than 2000 students in 36 subjects in six faculties - Arts, Science, Social Sciences, Performing Arts, Visual Arts and Education. No other unit of the University has this multi-discipline structure which is in consonance with the present day need of education to compete at the

national and international levels. Faculty of MMV have distinguished themselves in their various disciplines.

The College proposes to transform itself into an Institute with the main objectives of making the existing academic programme diverse and broad based with greater employment opportunities. The strengths and competence of various faculty members in different faculties and departments of MMV and BHU will be utilized for evolving new teaching and research programmes focussed on interdisciplinary initiatives.

With the availability of diverse, multidisciplinary learning opportunities, the students would be exposed to diverse fields of academics.

M. S. S. S.
24 June 2013
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