

CURRIULUM-VITAE

PERSONAL DETAIL:

Name : Dr. Rajesh Sharma

Designation : Professor

Dean, Faculty of Science

Heads, Department of Biotechnology, Department of Microbiology

Department of Biochemistry & Department of Environmental Science

Father's Name : Late Sri Nandu Ram Vishwakarma.

Mother's Name : Late Smt. Raj Kumari Devi

Date of Birth : 04/06/1970(June 4th Nineteen Seventy)

Sex : Male

Marital Status : Married

Spouse Name : Mrs. Suman Vishwakarma

Nationality : Indian

Category : O.B.C. (Other Backward Classes)

Mailing Address : Department of Biotechnology,
Faculty of Science,
V.B.S. Purvanchal University,
Jaunpur PIN-222003, (U.P.), INDIA.

Permanent Address : H.No.-SH.3/40,K-F, Sita Dham Colony,
Navalpur, Shivpur, Varanasi,
PIN- 221003, (U.P.), INDIA

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Google Scholar: <https://scholar.google.com/citations?user=FaCAMIUAAAJ>

ACADEMIC QUALIFICATIONS (Graduation Onwards):

Name of Exam.	Year	Board/University	Subjects	Marks Obtained	% of Marks	Division
B.Sc	1991	VBS Purvanchal University, Jaunpur	<i>Chemistry, Zoology</i>	1177/1800	65.3%	1 st
M. Sc	1996	Banaras Hindu University, Varanasi	<i>Biotechnology</i>	1126/1800	62.6%	1 st
CSIR-UGC (JRF-NET)	Dec., 1995	Exam. Conducted by Ministry of HRD, GOI	<i>Life Sciences</i>	Availed Rs. 400/- per month Scholarship during course supported by DBT, Ministry of Science. & Tech., GOI		
Ph.D.	2010	MGCG University, Chitrakoot, MP	<i>Botany</i> <i>Registration Date: 30.03.2007</i> <i>Submission date: 27.03.2010</i> <i>Award Date : 18.09:2010</i>	Roll No.39135 Certificate No. 2-21/95()/E.U. Date of issue:26.06.1996 Thesis entitled " <i>Studies on Production of Alkaline Protease by Free and Immobilized cells</i> ".		

RESEARCH EXPERIENCE

Name of Employer/University/college/Institution	Post held/Designation with pay	From	To	Experience
Coordinator, School of Biochemical Engineering, IIT (BHU) Varanasi	Junior Research Fellow 2500/-pm fixed	01.09.1996	30.09.1998	03yrs.
Coordinator, School of Biochemical Engineering, IIT (BHU) Varanasi	Senior Research Fellow 5600/-pm fixed	31.09.1998	31.12.1999	>01yrs

FULL-TIME TEACHING EXPERIENCE WITH PAY SCALE & DESIGNATION

S N	Name of the Employer /Status of University	Post Held	Period of Employment		Basic Pay as Per 7 th CPC	Nature of Duties
			From	To		
1	Vice –Chancellor V.B.S Purvanchal University (State Govt. University)	Professor	03.01.2017	Till Date	37400-67000 (10000) [Matrix Level 14]	Teaching +Research +Administration
2.	Vice –Chancellor V.B.S Purvanchal University (State Govt. University)	Associate Professor	03.01.2014	02.01.2017	37400-67000 (9000)	Teaching +Research +Administration
3.	Vice –Chancellor V.B.S Purvanchal University (State Govt. University)	Associate Professor (Selection Grade)	03.01.2009	02.01.2014	15600-39100 (8000)	Teaching +Research +Administration
4.	Vice –Chancellor V.B.S Purvanchal University (State Govt. University)	Asstt. Prof. (Sr.Scale)	03.01.2006	02.01.2009	15600-39100 (7000)	Teaching +Research +Administration
5.	Vice –Chancellor V.B.S Purvanchal University (State Govt. University)	Asstt. Prof. (Lecturer)	03.01.2000	02.01.2006	15600-39100 (6000)	Teaching+ Research

LIST OF PUBLICATIONS

A. RESEARCH PAPERS

1. P Singh & R Sharma (2002). *Pleurotus florida* Eger - An Effective Biodegrader of Steam Sterilized Lignocelluloses Wastes. *Poll. Res.* 21 (1):63-67. ISSN: 0257-8050.
2. R Sharma & R Singh (2010). Alkaline Protease Production by Natural Isolate the *Bacillus sp.* *Poll. Res* 29 (1): 47-52. ISSN: 0257-8050.
3. CS Singh, R Sharma, Y Patel & VK Singh (2011). Management of Agricultural Solid Waste by Locally Isolated *Pleurotus* Species, A White Rot Fungi. *Asian J. Microbiol. Biotechnol. Env. Sc.* 13(3):561-564. ISSN: 0972-3005.

4. CS Singh, VK Singh, SP Tiwari & **R Sharma** (2011). Lignolytic Activity and Lignocellulosic Degradation Profiles by Natural Isolates of *Pleurotus flabilatus* During Mushroom Cultivation on Rice Straw .*Asian J Exp. Biol. Sci* 2(1):158-161. ISSN: 0975-5845.
5. P Singh, P Gupta, R Singh, & **R Sharma** (2012). Activity and Stability of Immobilized Alpha- Amylase Produced by *Bacillus acidocaldarius*. *Int. J. Pharma Life Sci.* 3(12):2247-2253. ISSN:0976-7126.
6. R Srivastava, BM Tripathi, RK Singh, P Srivastava, P Kumari , M Srivastava, AK Srivastava, S Kumar, PL Kashyap, **R Sharma**, & SP Tiwari (2013). Profiling of plant Growth Promoting Bacteria Associated with Jaunpuri Giant Radish Rhizosphere. *Int. J . Agri. Env. Biotech* 6(2):187-93. ISSN: 0974-1712.
7. R Singh, RK Singh, RK Rai, **R Sharma** & SP Tiwari (2013). Improvement of *Trichoderma spp.* Strain for Integrated Control of Soil Born Plant Pathogens. *Int. J. Agri. Env. Biotech.* 6(3):487-496.ISSN: 0976-1712.
8. P Sinha, RK Singh, R Srivastava, R Srivastava, **R Sharma** & SP Tiwari (2013). Characterization of a Soil Born Protease Producing Bacterium. *Trends in Life Sciences.*1 (14):12-23. ISSN: 2319-4731.
9. P Singh, **R Sharma** & R Singh (2017). Maximum α - Amylase Production by Molecular and Biochemical Characterized Soil Microorganism. *J. Biotechnol. Biomater.* 7(3):2-6. ISSN: 2255-952X.

B. CONFERENCE PROCEEDINGS

1. R Srivastava,S Patel, S Sonam,**R Sharma**& SP Tiwari (2012). Diversity of *Azotobacterin* Radish Grown Field of Jaunpur. In Proceeding of National Conference on Impact of Global Warming and Climatic Changing on Diversity: The Challenges of Conservation of Flora and Fauna organized by Department of Zoology, RHSPG College, Sigra mau, Jaunpur. Feb 20-21,2012. ISSN: 0974-4908.
2. CS Singh, SP Tiwari, VK Singh, R Srivastava & **R Sharma** (2012). Biodiversity of *Pleurotus spp.* In Uttar Pradesh. In: Proceeding of National Conference Impact of Global Warming and Climatic Changing on Diversity: the Challenges of Conservation of Flora and Fauna “organized by Department of Zoology, RHSPG College, Sigra mau, Jaunpur. Feb 20-21, 2012.ISSN: 0974-4908.
3. R Srivastava, S Sonam, P Singh, P Srivastava, CS Singh, **R Sharma** & SP Tiwari. (2014). Plant Growth Promoting Rhizobacteria: Plant Probiotics, BIOLOGIX 112-118.ISBN: 81-88919-15-2.

4. S Sonam, SP Tiwari and **R Sharma** (2019). Assessment of Plant Growth Promoting activity of bacteria isolated from rhizospheric region of Carrot (*Daccus carota*). In: Proceeding of the International conference on Ultrasonics and Material Sciences for Advanced Technology, Narosa Publishers, New Delhi, 189-194. ISBN: 978-81-8487-703-8.
5. P Srivastava, SP Tiwari and **R Sharma** (2019). Optimization of surface sterilization process for isolation and cultivation of bacterial endophytes form *Allium sativum*. In: Proceeding of the International conference on Ultrasonics and Material Sciences for Advanced Technology, Narosa Publishers, New Delhi, 183-188. ISBN: 978-81-8487-703-8.

C. REVIEW ARTICLES:

1. J Verma, DR Modi, **R Sharma** & S Saxena (2011). Vital Role of Alkaline Protease in Bio- Industries: A Review *Plant Archives*11 (2):1083-1092 ISSN: 0972-5210.
2. R Singh, P Singh & **R Sharma** (2014). Microorganisms a tool of Bioremediation for Cleaning Environmental: A Review. In: Proceeding of the *International Academic of Ecology and Environmental Science*, 4(1)1-6.
3. SP Tiwari, R Srivastava, CS Singh, K Shukla, P Singh, NL Singh & **R Sharma**. (2015). Amylases: An Overview with Special Reference to Alpha Amylase. *Global J. Bioscience*, 4(1):1886-1901ISSN: 2320-1355.

D. CONTRIBUTED BOOK CHAPTERS

1. **R Sharma** & R Singh (2009). Immobilization Technology: The Actual Trend in Biotechnology, In: Recent Trends in Biotechnology volume 1. (Eds. Mp Singh, A Agrwal & B Sharma). Nova Science Publishers Inc. New York USA. pp. 137-146ISBN:978-1-60876-148-7. (International)
2. R Srivastava, A Mishra, P Srivastava, **R Sharma** & SP Tiwari (2011) Botulinum Toxin: Production and Application. In Microbial Toxin and Toxigenic Microbes, (Eds. SK Singh &VD Pandey), Studium Press LLC, Houston, Texas, USA pp. 25-40. ISBN:1-933699-73-6(International).
3. **R Sharma**,Tripathi BM, Pandey R, Singh RK, Mishra A & Tiwari SP (2012). Microbial Detection in Drinking Water. In:Recent Advances in Microbiology Volume 1 (Eds., SP Tiwari, R Sharma & RK Singh). Nova Science Publishers. Inc. New York, USA, pp. 321-330. ISBN:978-1-61470632-8.(International)
4. Singh RK, Singh P, **R Sharma** & Mohapatra TM (2012).Non Ribosomal Peptide Synthesis in Microbes, In: Recent Advances in Microbiology Volume 2. (Eds. SP Tiwari, R Sharma & RK Singh). Nova Science Publisher, Inc. New York,. USA. pp. 183-194 ISBN:978-1-61470-632-8.(International)

5. **R Sharma**, R Pandey & SP Tiwari (2013). Antimicrobial Activities of Plants. In: Recent Advances in Microbiology Volume 2 (Eds. SP Tiwari, R Sharma & R Gaur) Nova Science Publishers Inc. New York, USA. pp. 165-178 ISBN: 978-1-62808-633-1 (International)
6. R Srivastava, CS Singh & **R Sharma** (2013). RNA Silencing and Viral Counter Defense: A Host Parasite Interaction. In: Recent Advances in Microbiology Volume 2. (Eds SP Tiwari, R Sharma & R Gaur). Nova Science Publishers, Inc. New York, USA. pp. 179-186 ISBN: 978-1-62808-633-1(International)
7. **R Sharma**, R Srivastava, K Shukla & SP Tiwari (2017). Environment Control of Biotechnology Industries. In: Principles and Applications of Environmental Biotechnology for a Sustainable Future. (Ed. Ram Lakhan Singh), Springer Science Business Media, Singapore, pp. 365-390 ISBN:978-981-101866-4. (International)
8. **R Sharma**, Rishi Srivastava, RK Singh & SP Tiwari (2018). From Leeuwenhoek to Craig Venter. In: Recent Advances in Microbiology Volume 3 (Eds. NC Gautam, SP Tiwari & Rajesh Sharma), Nova Science Publishers, Inc. New York, USA. pp. 1-40 ISBN: 978-1-53614-057-6, (International).
9. P Singh, SP Tiwari, Md. M Mehdi & **R Sharma** (2021). Role of Bacterial Infection (*H. pylori*) in Colon Carcinogenesis and Therapeutic Approaches. In: Colon Cancer Diagnosis and Therapy, Vol. 2 (Eds. NK Vishwakarma, GP Nagaraju & D Shukla). Springer Nature, Switzerland AG 2021, pp 109-142, ISBN: 978-3-030-64667-7; ISBN (e-book): 978-3-030-64668-4. (International).

E. BOOKS-EDITED

1. SP Tiwari, **Rajesh Sharma** & Rahul Kunwar Singh (2012). Recent *Advances in Microbiology* Vol-1. Nova Science Publishers, Inc. New York, USA. ISBN:978-1-61470-632-8.(International).
2. SP Tiwari, **Rajesh Sharma** & Rajeev Gaur (2013). *Recent Advances in Microbiology*.Vol-2. Nova Science Publishers, Inc. New York. USA. ISBN: 978-1-62808-633-1. (International).
3. NC Gautam, SP Tiwari & **Rajesh Sharma** (2018). *Recent Advances in Microbiology*Vol-3.Nova Science Publishers,Inc.New York, USA. ISBN:978-1-53614- 057-6. (International).

F. ONGOING /COMPLETED RESEARCH PROJECT

1. **CO-Principal Investigator** in Major Research Project Entitled “Selection and Improvement of *Pleurotus* sp. for the production of Oyster Mushroom” funded by University Grants Commission, New Delhi of Rupees 6,74,000/- from 01.07.2003 to 30.06.2006, Grant No.F-3 /39.Outcome – Improved strain of oyster mushroom with

improved nutritional value, texture and aroma. (COMPLETED)

2. **Principal Investigator** in Minor Research Project entitled ‘Exploration of Bacterial Communities in Universities Surroundings for the Production of Alkaline Protease’ funded by University Grants Commission (VBS University unassigned grants), New Delhi of Rupees 90,000/- (University Unassigned Grant, VBS Purvanchal University, Jaunpur) from 05.03.2016 to 04 .03.2017. Outcome High Yielding Strain of *Bacillus licheniformis* isolated and characterized. (Un-availed).
3. **Mentor** in DST funded Women Scientist- project (DST-WOS-A) entitled “Evaluation of Antimicrobial Activity and Plant Growth Promoting Trait of Bacterial Endophytes from *Allium sativum*.”Rs. 19, 13000/- File No. SR/WOS-A/LS-11/2018. From Feb 5th 2019 to Feb 4th 2022. (ON- Going).

G. RESEARCH GUIDANCE:

M. Sc. Dissertation: Supervised annually on an average 5-6 Students.

Ph. D Awarded: -01, Mr. Pushpendra Kumar Singh, Thesis entitled “Studies on α Amylase Production by Free and Immobilized Cells”.

Date of Reg.:29/03/2012; Date of Submission: 25/07/2014

Date of Award:05/01/2015

Ph.D. Registered -04

- i. Ms. Pratima Srivastava, Thesis entitled “Isolation, Characterization and Evaluation of antimicrobial activity of endophytes from *Allium sativum*.” Date of Registration: 12/01/2017
- ii. Ms. Shweta Sonam Srivastava, Thesis entitled “Regulation of Carotenoid Production in Carrot Through Plant Growth Promoting Rhizobacteria (PGPR)” Date of Registration: 12/06/2017
- iii. Ms. Divya Malviya, Thesis entitled “Studies on Isolation, Characterization and Optimization of Physico-Chemical Parameters for Alginate Production by Bacterial Isolates.” Date of Registration:12/04/2018
- iv. Ms. Prachi Pandey, Thesis entitled “Studies on Isolation, Characterization and Optimization of Physico–Chemical Parameters for Cellulase Production by Bacterial Isolates”. Date of Registration:20/04/2018
- v. Patil Namrata Devidas, Thesis entitled “Development of Superior Halotype Based Near Isogenic Lines (NILs) for High Grain Zinc in Rice Through Speed Breeding.” Date of Registration: 27/03/2023.

H. ORIENTATION /REFERESHER COURSES

1. **Orientation Programme** (OP-68)at UGC Academic Staff College, Himanchal Pradesh University, Summer Hill, Shimla, from 12/04/2004 to 08/05/2004(03 weeks).
2. **Refresher Course** (RC) in Environmental Awareness at UGC Academic Staff College, Himanchal Pradesh University, Summer Hill, Shimla, from 24/04/2006 to 13/05/2006(03 weeks).
3. **Refresher Course** (RC) in “Life Science” at UGC Academic Staff College, Banaras Hindu University, Varanasi, from 12/05/2010 to 01/06/2010(03 weeks).
4. **Refresher Course** (RC) in Environmental Science and Technology (Interdisciplinary) at UGC Academic Staff College, Banaras Hindu University, Varanasi, from 27/10/2010 to 16/11/2010 (03 weeks).

I. PAPER PRESENTED IN SEMINAR/SYMPOSIUM/CONFERENCE (ORAL/POSTER)

1. Immobilization of *Bacillus coagulans* for Alkaline Protease Production. In:38th Annual Meeting of the Association of Microbiologist of India, Conference on Microbes in Sustainable Development organized by Delhi Unit 2ndof AMI and University of Delhi, South Campus, Jamia Millia Islamia, NII, JNU, IARI and IIT Delhi, December 12-14, 1997. (National).
2. Energy Crisis: A Hope from Biotechnology. In National Seminar on Environmental Conservation and Degradation organized by Kutir PG College, Chakkey, Jaunpur, December, 17-18, 2004. (National).
3. Shaping the Rural Indian People: The Impact of Government Policies. In NGO Conference and National Seminar on Rural Development Organized by Department of Applied Psychology, VBS Purvanchal University, Jaunpur, December 22-23, 2004. (National).
4. Rural Development: Agriculture is the key to Alleviating Rural Poverty. In: National Seminar on Rural Marketing: Issues and Challenges in WTO Era “organized by Department of Business Economics, VBS Purvanchal University, Jaunpur. September 23-24, 2005. (National).
5. Lignin Biotransformation: Management of Agro-industrial Residues. In: National Seminar on Integrated Crop and Environment Management: Trend & Perspective in Developing Areas organized by FIST –DST Department of Botany& Department of Biotechnology, MM Town PG College, Ballia, October, 15-17, 2005. (Young Scientist Lecture). (National).
6. Alkaline Protease Production by Natural Isolates of *Bacillus* sp. in Free and Immobilized System. In: International Conference on Emerging Trends in Biotechnology organized

by School of Biotechnology, Institute of Technology, BHU, Indian Institute of Vegetable Research (IIVR), Varanasi, December, 4-6, 2009(International).

7. Microbial Evaluation of Water Bodies from Jaunpur. Symposium on Physiological Research organized by Centre of advanced Study in Botany BHU, Varanasi, February 25-27, 2010, (International).
8. Role of Community Radio in AIDS awareness. In: International Meet on Collaboration with American University and International Conference on Counseling and Community Psychology organized by Department of Applied Psychology, VBS Purvanchal University Jaunpur, December 17-19, 2011.(International).
9. Psychedelic Mushroom. In: International Meet on Collaboration with American Universities and International Conference on Counseling and Community Psychology organized by Department of Applied Psychology, VBS Purvanchal University Jaunpur, December, 17-19, 2001.(International).
10. Biodiversity of *Pleurotus* Species in Eastern Uttar Pradesh. In: National Conference on Impact of Global Warming and Climate Change on Biodiversity: The Challenges of Conservation of Flora and Fauna organized by Deptt of Zoology, RHS PG College, Singrauli, Jaunpur, February, 21-22, 2012.(National).
11. Physico-chemical Evaluation of Drinking Water of PU. In: National Seminar on Monitoring of Water Quality Contaminated by Pesticides and Associated Health Impacts organized by Department of Chemistry, RSKDPG College, Jaunpur, February, 25-26, 2012. (National).
12. Science Education: Opportunities and Challenges. In: National Seminar on Right to Education organized by Faculty of Education, RSKDPG College, Jaunpur, March 01, 2012. (National).
13. Biocatalysts: A potential Tool in Diagnostics. In 1st International Conference on New Horizons in Pharmaceutical and Biomedical Science (NHPBMS-2013) jointly organized by Sheetal Life Science (P)Ltd and Society of Environment, Health and Biotechnology, January, 12-13, 2013.(International).
14. Microbial Evaluation of Milk Products of District Jaunpur. In: Symposium on Biotechnology and Stress Biology of Algae and Cyanobacteria organized by CAS in Botany, Banaras Hindu University, Varanasi, February 24-26, 2014.(National).
15. An Assessment of Seasonal Variation in Microbial and Physicochemical Water Quality of Rivers of District Jaunpur. In: National Seminar on Recent Trends in Microbiology organized by Department of Industrial Microbiology, Deen Dayal Upadhyay University, Gorakhpur, March, 15, 2014. (National).

16. Biodiversity of *Pleurotus* spp. in Uttar Pradesh. In: National Seminar on Climate Change and Environmental Threat to Public Health and Sustainable Agriculture organized by Sunbeam College for Women, Varanasi, August, 30-31, 2014. (National).
17. Role of Universities Teachers in Higher Education. In: National Seminar on Problem of Higher Education, Academic Management and Role of Teachers Association organized by District Degree College Teachers Association, Jaunpur, February 16-17, 2015. (National).
18. Decolorization of Congo Dye by Natural Isolate of *Pleurotus flabilatus* RCS-17. In: National Conference on Biotechnology and Human Welfare: New Vistas organized by Deptt. of Biotechnology, VBS Purvanchal University, Jaunpur, March 21-22, 2015. (National).

M. INVITED LECTURES

1. Prospective of Higher Plant Products in Sustainable Development of India Agriculture and Pharma Industries. In: Young Scientist Training Programme on Scientific Evaluation and Validation of Herbal Drugs organized by Deen Dayal Research Institute, Ayurveda Sadan, Arogyadham, Chitrakoot, Satna, March 3-4, 2012. (National).
2. Plant Cell Reactor Technology: An Emerging Trend in Biotechnology. In: National Seminar on Environmental Risk and Transgenic Plant organized by MGCG University, Chitrakoot, Satna, February 28, 2013. (National).
3. An Overview In: International Symposium on Innovation in Education, Environmental and Health Research organized by Society for Education Development & Environmental Research, Varanasi, February, 23-24, 2015. (International).
4. History, Structure and function of DNA. In: Two Days Workshop on Extraction and Analysis of Nucleotide by Using Various Methods jointly organized by Department of Biotechnology, Kutir PG College, Chakkey, Jaunpur and CytoGene Research & Development, Lucknow, March, 2-3, 2015. (National).
5. KL_a Value: A Key to Success in Bioprocessing. In: National Conference on Microbes in Extreme Environment jointly organized by Deptt of Botany and Microbiology, HNB Garhwal University in Collaboration with AMI Unit, Srinagar, Uttara Khand, October, 30-31, 2015. (National).
6. Industrial Biotechnology: A Small Toolkit to Mitigate Climate Change. In: National Conference on Climate Change: Challenges to Plant Biologist (CCPB, 2016) Sponsored by DBT-STAR College Scheme, DBT, New Delhi and organized by Department of Botany, UP College (Autonomous), Varanasi, March, 27, 2016. (National).

7. Fermentation Technology: An Overview In: 07 Days works shop on Techniques in Molecular Biology organized by Department of Biotechnology, Md. Hassan PG College, Jaunpur, January,09, 2017. (National).
8. Introduction to Bioprocessing: The Actual Trend in Biotechnology. In: DBT (SERB) sponsored National Conference on Role of Modern Biological Sciences for Enhancing Farmer's Economy & Welfare of the Society organized by Faculty of Science Ranvir Rananjay PG College, Amethi in Association with ICAR-KVK Sitapur,2nd, November, 12-13, 2018. (National).

N. SESSION CHAIRED /CO-CHAIRED /RAPPORTEUR

1. Convenor, Technical Session, National Seminar on WTO and Entrepreneurship Development organized by Department of Business Economics, VBS Purvanchal University, Jaunpur February, 07-08, 2005.
2. Chaired Technical Session, National Seminar on Rural Marketing: Issues and Challenging in WTO Era organized by Department of Business Economics. VBS Purvanchal University, Jaunpur, September, 23-24, 2005.
3. Chaired 2nd Technical Session, National Seminar on Rural Marketing: Issues and Challenging in WTO Era organized by Department of Business Economics. VBS Purvanchal University, Jaunpur, September, 23-24, 2005.
4. Chairperson International Symposium on Innovations in Education, Environmental & Health Research organized by Society for Educational Development & Environmental Research (SEDER),Varanasi, February, 23-24, 2015.
5. Co-Chairperson, National Conference on Indian University Education System organized by VBS Purvanchal University, Jaunpur, October, 28-30, 2017.
6. Chairperson, National Workshop on Recent Molecular Advances and DNA Fingerprinting jointly organized by Department of Botany and Biotechnology, Kutir PG College, Chakkey, Jaunpur, March, 18-20, 2017.
7. Chairperson, International Webinar on Microbial Diversity: From Health to Environment jointly organized by Department of Botany and Microbiology, HNB Gaerhwal University, Srinagar, Garhwal in Association with Microbiologist of India (AMI) Srinagar, Garhwal Unit, June, 17, 2020.

O. LECTURES DELIVERED AT UNIVERSITY/COLLEGE LEVEL

1. 06 lectures in Department of Botany and Biotechnology, SMM Town PG College, Ballia during 2006-2011.

2. 07 lectures, School of Biotechnology, Institute of Science, Banaras Hindu University, Varanasi during March 28-April 01, 2011.
3. 03 Lecture, Department of Microbiology, RML Awadh University, Ayodhya, February, 05, 2011 May 10, 2012 and November 9, 2012.
4. 02 Lecture in Department of Botany and Biotechnology, SMM Town PG College, Ballia, March 22-23, 2021.
5. 01 Lecture in Department of Biological Sciences, Faculty of Science and Environment on Topic Role of Biotechnology in Modern Progressive World, October 25, 2021.

P. SUMMER /WINTER SCHOOL/SHORT TERM COURSES /WORKSHOPS

1. Summer School on Development and Characterization of Heterogeneous Catalyst organized by Department of Chemical Engineering & Technology, Institute of Technology, BHU, Varanasi, June 29-July 11, 1998.
2. Short Term Training Courses on Fermentation Strategies and Bioreactor Selection Organized Biochemical & Environmental Engineering Group, Indian Institute Chemical Technology (IICT), Hyderabad, April15-May 01, 1999.
3. ICSSR Sponsored National Workshop on Research Methodology and Computer Application in Psychological Research organized by Department of Applied Psychology, VBS Purvanchal University, Jaunpur, September15-16, 2003.
4. ICSSR Workshop on Research Methodology and Multivariate Analysis in Psychological Research organized by Department of Applied Psychology, VBS Purvanchal University, Jaunpur, September 28-October 04, 2005.
5. One Week Hands on Training on Basic Technique in Molecular Biology sponsored by Department of Biotechnology, Govt. of India and organized by Institutional Biotech Hub, Department of Basic Science and Humanities, College of Horticulture and Forestry, Central Agricultural University, Pasi Ghat, Arunanchal Pradesh, September 07-14, 2011.
6. Two Weeks Advance Computer Training Programme for Skill and Faculty Development under the Scheme College with Potential for Excellence and Sponsored by UGC, New Delhi and organized by Shree Baldev PG College, Baragaon, Varanasi, November 28- December 12, 2013.
7. One Week Workshop on Numerical Computation Using MATLAB organized by Department of Mathematics and Computer Science & Engineering, Faculty of Engineering & Technology, VBS Purvanchal University, Jaunpur, November 26-30,2015.

8. One week Training Programme on climate Change and Carbon Mitigation organized by Biodiversity and Climate Change Division, Indian Council of Forestry Research and Education (ICFRE), Dehradun, Sponsored by Department of Science & Technology, New Delhi under the Scheme National Programme for Training of Scientists and Technologists Working under Government Sector. February 22-26, 2016.
9. 04 Days Training Programme on Academic Leadership organized by VBS Purvanchal University, Jaunpur in Association with Center of Academic Leadership and Education Management (CALEM), Aligarh Muslim University, Aligarh Under the scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) and sponsored by Ministry of HRD, Govt. of India, January, 31-February 03, 2018.
10. 04 Days Training Programme on Academic Leadership organized by VBS Purvanchal University, Jaunpur in Association with Center of Academic Leadership and Education Management (CALEM) , Aligarh Muslim University, Aligarh Under the Scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) and Sponsored by Ministry of HRD, Govt. of India, March, 26-29, 2019.
11. One Week Training Programme on Academic Leadership organized by VBS Purvanchal University, Jaunpur in Association with Center of Academic Leadership and Education Management (CALEM), Aligarh Muslim University, Aligarh Under the scheme of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNTT) and Sponsored by Ministry of HRD ,Govt. of India, April 23-29, 2019.
12. Three Days National e-Workshop on Innovation and Intellectual Property Management in India, organized by IPR Cell, VBS Purvanchal University, Jaunpur, October 8-10, 2021.

R. SEMINAR/SYMPOSIUM/CONFERENCE/WORKSHOP ORGANIZED

1. **Co-Convener**-National Conference on Biotechnology and Human Welfare: New Vista organized by Department of Biotechnology, VBS Purvanchal University, Jaunpur, Mar 21-22, 2015.
2. **Organizing Secretary**- National Interactive Seminar on Role of CST UP in Promotion of Science & Technology and Facilitation of IPR Protection organized by VBS Purvanchal University, Jaunpur, Dec.8-9, 2016.
3. **Organizing Secretary** – National Conference on Indian University Education System organized by VBS Purvanchal University, Jaunpur October 28-30, 2017.
4. **Organizing Member**- Celebrating One Year of New Education Policy-2020 on The Theme ‘National Education Policy 2020- Equity and Inclusion’ organized by IQAC,

VBS Purvanchal University, Jaunpur, July 30, 2021.

S. MEMBER OF PROFESSIONAL BODIES

1. LIFEMEMBER, ASSOCIATION OF MICROBIOLOGIST OF INDIA. No:
AMI/LM-510(4)2013
2. LIFE MEMBER, BIOTECH RESEARCH SOCIETY OF INDIA .No:
AMI -1780

T. EXTENSION ACTIVITIES

Actively participate in Mushroom Training Program me arranged for local farmers. Organized time to time by Mushroom Training center, Deptt of Biotechnology, VBS Purvanchal University, Jaunpur.

U. SEMINAR/SYMPOSIA /CONFERENCE PARTICIPATED

1. 13th Annual Conference of The Purvanchal Academic of Sciences organized by TD PG College Jaunpur , January17-18,2004.
2. Workshop on Patent Awareness organized by Faculty of Science and Department of Business Management ,VBS Purvanchal University, Jaunpur, March 3,2004.
3. Workshop on Methodology of Assessment and Accreditation organized by Internal Quality Assurance Cell (IQAC), VBS Purvanchal University, Jaunpur January, 29,2013.
4. International Workshop on Counseling Skills in Health Profession and School organized by Department of Applied Psychology, VBS Purvanchal University, Jaunpur October, 23-26, 2013.
5. Annual Function SRIJAN organized by VBS Purvanchal University, Jaunpur April 09-11, 2014.
6. Seminar in Context to SAKSHAM under UGC Scheme: Issue on Gender Bias and Sexual Harassment on University /College Campuses, organized by VBS Purvanchal University, Jaunpur, May 13, 2014.
7. Two Days Awareness cum Treatment of Acupressure organized by VBS Purvanchal University, Jaunpur, February, 06-07, 2015.
8. HR Conclave-15 organized by Department of HRD,VBS Purvanchal University, Jaunpur, February, 20, 2015.
9. Workshop on Spoken Tutorial Based Software Training organized by VBS Purvanchal University, Jaunpur, September, 01, 2015.

10. Jury Member on Ozone Day organized by Department of Environment Science, VBS Purvanchal University, Jaunpur, September, 16, 2015.
11. Author Workshop organized by Vivekananda Central Library, VBS Purvanchal University Jaunpur in Association with Springer (India) Pvt. Ltd., October, 31, 2015.
12. Workshop on Writing Research Paper organized by Vivekananda Central Library ,VBS Purvanchal University, Jaunpur in Association with SAGE Publication (India) Pvt. Ltd, November, 30,2015.
13. Jury Member on Ozone Day Organized by Department of Environment Science, VBS Purvanchal University, Jaunpur September 16, 2016.
14. Faculty Development Programme on Goods and Service Tax (GST) organized by VBS Purvanchal University, Jaunpur in association with ICA Edu. Skills Pvt. Ltd., April 25, 2017.
15. Coordinator, Auditorium Management in National Workshop on Growth of Science &Technology in the Campus of Purvanchal University Sponsored by TEQUIP Phase-III organized by VBS Purvanchal University, Jaunpur, September, 08-10, 2017.
16. Author Workshop on How to Write and Publish Scholarly Articles organized by Vivekananda Central Library, VBS Purvanchal University, Jaunpur in Association with Springer Nature (India) Pvt. Ltd. November, 17, 2018.
17. One Day webinar on *Nai Siksha Niti Ke Pariprechhya Mein Siksha Ki Bhumika* organized by Prof. Rajendra Singh (Rajju Bhaiya) Institute of Physical Sciences for Study &Research, VBS Purvanchal University, May 31, 2021.

E-CONTENT DEVELOPMENT

10 e-Content (PPT) Developed for M.Sc Biotechnology I Year Course, Veer Bahadur Singh Purvanchal University **ID: U:0550, Uttar Pradesh Higher Education Digital Library,** <http://heecontent.upsdc.gov.in/DataContent.aspx?Flag=1miWwd%2f9IUZh6%2b2Li6zdTzLE4k%2fkDo8ceVoK2Na8LU%3d&Keyword=SlgX%2bQmgFOiTuJ9U7Kvmr69dMA70WokWXSjaRcdrsXQ%3d>

Metabolism of Lipids-2,
Metabolism of Porphyrins-1
Cell Culture-2

Metabolism of Carbohydrates-2
Metabolism of Proteins-2
Metabolism of Nucleotides-1

MAJOR ADMINISTRATIVE RESPONSIBILITIES

1. **Member**, University Court, VBS Purvanchal University, Jaunpur.
2. **Member**, Academic Council, VBS Purvanchal University, Jaunpur.
3. **Coordinator**, UGC Cell, VBS Purvanchal University, Jaunpur.
4. **Nodal Officer**, Disbursing JRF/SRF/PDF Fellowship under Various Schemes of UGC, CSIR, ICSSR, Ministry of Tribal Affairs (MoTA), etc.
5. **Nodal Officer**, All India Universities Association (AIU), VBS Purvanchal University, Jaunpur.
6. **Member**, NAAC Steering Committee-2016, VBS Purvanchal University, Jaunpur.
7. **Asstt. Coordinator**, Internal Quality Assurance Cell (IQAC), VBS Purvanchal University Jaunpur.
8. **Convenor**, Board of studies (BoS), Department of Biotechnology, Microbiology, Biochemistry and Environmental Science, VBS Purvanchal University, Jaunpur.
9. **Member**, Board of Studies, RML Avadh University, Ayodhya, (Microbiology & Biotechnology); Sri Agrasen Kanya Autonomous Colleges, Varanasi (Biotechnology) affiliated to MG Kashi Vidya Peeth, Varanasi.
10. **Member**, Central Training & Placement Cell, VBS Purvanchal University, Jaunpur.
11. **Member**, Anti –Ragging Squad Committee, VBS Purvanchal University, Jaunpur
12. **Coordinator**, Solid Waste Management and Disposal Committee, VBS Purvanchal University, Jaunpur
13. **Member**, Occupational Safety, VBS Purvanchal University, Jaunpur.
14. **Member**, Task Force Committee for effective implementation of New Education Policy (NEP-2020), VBS Purvanchal University, Jaunpur.
15. **Member**, Teachers Training Cell, for effective implementation of New Education Policy (NEP-2020), VBS Purvanchal University, Jaunpur.
16. Ph.D. Thesis Evaluator and Examiner in various Indian Universities.
17. **Question Paper Setter Evaluator** of Biotechnology, Microbiology, Biochemistry &

Environmental Science- UG &PG level (Inside and outside University)

18. Question Paper Setter Evaluator of Biotechnology, Industrial Microbiology-UG level.

19. External &Internal Practical Examiner- UG & PG level (Inside and outside the University)

20. External & Subject Expert in Various Indian Universities to Appoint Asstt., Associate Professors and Professors.

**(Dr. RAJESH SHARMA)
Professor**