

## **CURRICULUM-VITAE**

Name : Dr. Rajesh Sharma.  
Father's Name/ : Sri Nandu Ram Vishwakarma.  
Spouse Name : Mrs. Suman Vishwakarma  
Date of Birth : 04/06/1970 (June 4<sup>th</sup> Nineteen Seventy)  
Sex : Male  
Marital Status : Married  
Nationality : Indian  
Category : O.B.C. (Other Backward Classes)  
Present Designation & : Asstt. Professor (Senior Scale)  
Mailing Address : Department of Biotechnology,  
Faculty of Science,  
V.B.S. Purvanchal University, Jaunpur  
PIN-222 003, (U.P.), INDIA.  
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### **ACADEMIC QUALIFICATIONS (Graduation Onwards):**

Name of Exam.	Year	Board/Univ.	Subjects	Marks Obtained	% of Marks.	Div.
<b>B. Sc.</b>	1991	VBS Purvanchal Univ., Jaunpur	<i>Chemistry, Zoology</i>	1177/1800	65.3	1 <sup>st</sup>
<b>M. Sc.</b>	1996	B.H.U., Varanasi	<i>Biotechnology</i>	1126/1800	62.6	1 <sup>st</sup>
<b>CSIR-UGC (JRF-NET)</b>	Dec., 1995		<i>Life Sciences</i>	Roll No. 39135 Certificate No.: 2-21/95(II)/E.U.II Dated: 26.06.1996		
<b>Ph. D.</b>	2010	MGCG University, Chitrakoot	<i>Botany</i> Registration Date: 30.03.2007 Submission date: 27.03.2010 Award Date: 18.09.2010	Thesis entitled ' <i>Studies on biotechnological 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	03 yrs
Coordinator, School of Biochemical Engineering, IIT(BHU) Varanasi	Senior Research Fellow 5600/- pm fixed	31.09.1998	31.12.1999	> 01 yrs

### Full-time Teaching Experience with Pay Scale & Designation

Sn	Name of Employer/Status of University	Post held	Period of Employment		Basic Salary last drawn	Nature of Duties
			From	To		
1	Vice-Chancellor VBS Purvanchal University (State Govt. University)	Asstt. Prof. (Sr. scale)	03.01.2006	Till Date	15600-39100 (7000)	Teaching + Administration + Research
2	Vice-Chancellor VBS Purvanchal University (State Govt. University)	Asstt. Prof. (Lecturer)	03.01.2000	02.01.2006	15600-39100 (6000)	Teaching + Administration + Research

### LIST OF PUBLICATIONS

#### RESEARCH PAPERS

1. M.P. Singh & **R. Sharma** (2002). *Pleurotus florida* Eger-An Effective Biodegrader of Steam Sterilized Lignocellulosic Wastes. *Poll. Res.* 21(1): 63-67. ISSN:0257-8050 (March)
2. **R. Sharma** & R. Singh (2010). Alkaline Protease Production by Natural Isolate-the *Bacillus* sp. *Poll. Res.* 29(1): 47-52. ISSN:0257-8050 (March)

3. C.S Singh; **R. Sharma**, Y Patel & V.K Singh, (2011). Management of Agricultural Solid Wastes by Locally Isolated *Pleurotus* Species, A White Rot Fungi. *Asian J. Microbiol.Biotechnol. Env. Sc.* 13 (3):561-564. **ISSN:0972-3005 (December)**
4. C.S. Singh, V.K. Singh, S.P. 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 (March)**
5. R Srivastva, BM Tripathi, RK Singh, P Srivastva, P Kumari, M Srivastav, AK Srivastava, S Kumar, PL Kashyap, **R Sharma** & SP Tiwari (2013). Profiling of Plant Growth Promoting Bacteria Associated with Jaunpuri Giant Raddish Rhizosphere. *Int. J. Agri. Env. Biotech.* **ISSN:0974-1712**
6. P Singh, P Gupta, R Singh & **R Sharma** (2012). Activity and Stability of Immobilized Alpha-Amylase Produced by *Bacillus acidocaldarius*. *Int. J. Pharm Llife Sci.* **3(12): 2247-2253. ISSN:0976-7126**
7. R Singh, RK Singh, RK Rai, **R Sharma** & SP Tiwari (2013). Improvement of *Trichoderma* Spp. Strain for Integrated Control of Soil Borne Plant Pathogens. *Int. J. Agri. Env. Biotech.* 2013, **6(3): 487-496. ISSN:0976-1712.**
8. P Sinha, RK Singh, R Srivastava, **R Sharma** & SP Tiwari (2013). Characterization of a Soil Borne Protease Producing Bacterium. *Trends in Life Sciences.* **2013, 1(4): 12-23. ISSN:2319-4731.**

### **CONFERENCE PROCEEDINGS**

1. R Srivastva, S Patel, S Sonam, **R Sharma** & SP Tiwari (2012). Diversity of Azotobacter in Radish Grown Field of Jaunpur. In Proceeding of National Conference on “Impact of Global Warming and Climatic Changes on Diversity: the Challenges of Conservation of Flora and

Fauna” organized by Department of Zoology, RHSPG College, Sigraamau, Jaunpur. **Feb 20-21, 2012. ISSN:0974-4908**

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

#### 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). Microorganism as a Tool of Bioremediation for Cleaning Environment: A Review. In: Proceeding of the International Academy of Ecology and Environmental Sciences. 4(1), 1-6. **ISSN: 2220-8860 (March)**
3. SP Tiwari, R Srivastava, CS Singh, K Shukla, RK Singh, P Singh, R Singh, NL Singh & **R Sharma**. (2015). Amylases: An Overview With Special Reference to Alpha Amylase. Global J. Biosciences.,4(1): 1886-1901 **ISSN:2320-1355**

#### 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 Agrawal

& B Sharma. Nova Science Publishers Inc., New York, USA. **ISBN: 978-1-60876-148-7. (International)**

2. R Srivastava, A Mishra, P Srivastva, **R Sharma** & SP Tiwari (2011) Botulinum Toxin : Production and Applications. In: **Microbial Toxins 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. **ISBN: 978-1-61470-632-8. (International)**
4. Singh RK, Singh P, **Sharma R** & Mohapatra TM. (2012) Non Ribosomal Peptide Synthesis in Microbes. In: **Recent Advances in Microbiology Volume 1**. Eds. SP Tiwari, R Sharma & RK Singh. Nova Science Publishers, Inc. New York, USA. **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. **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. **978-1-62808-633-1. (International)**

#### **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, **R Sharma**, Rajeev Gaur. (2013). *Recent Advances in Microbiology*. Vol-2. Nova Science Publishers, Inc. New York, USA. ISBN: 978-1-62808-633-1. (International)

### **ONGOING/COMPLETED RESEARCH PROJECT**

1. **CO-Principal Investigator** in Major Research Project entitled ‘Selection and Improvement of *Pleurotus* sp. for the Production of Oyster Mushrooms’ funded by University Grants Commission, New Delhi of Rupees 6,74,000/- from 01.07.2003 to 30.06.2006 No.: Grant No.: F-3/39. Outcome-Improved strain of oyster mushrooms 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. (ON-GOING)

### **RESEARCH GUIDANCE**

1. M. Sc. Dissertation- 15
2. M. Phill- Awarded-01
3. Ph.D. - Awarded – 01

### **ORIENTATION/REFERESHER COURSES**

1. Orientation Programme (OP-68) at UGC Academic Staff College, Himachal 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, Himachal 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).

**PAPER PRESENTED IN SEMINAR/SYMPOSIUM/CONFERENCE (ORAL/POSTER)**

1. **Immobilization of Bacillus coagulans for Alkaline Protease Production.** In: 38<sup>th</sup> annual meeting of the Association of Microbiologists of India, Conference on Microbes in Sustainable Development organized by Delhi Unit II of 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, Chakke, 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: Trends & 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 Systems.** 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.** In: International Symposium on “Phycological 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 Universities 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 Mushrooms.** 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, 2011. **(International)**
10. **Biodiversity of *Pleurotus* Species in Eastern Uttar Pradesh.** In: National Conference on Impact of Global Warming and Climate Change on Biodiversity: The Challenge of Conservation of Flora and Fauna. Organized by Deptt of Zoology, RHS PG College, Singramau, 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, February 29-March 01, 2012. **(National)**
13. **Biocatalysts: A Potential Tool in Diagnostics.** In: 1<sup>st</sup> International Conference on New Horizons in Pharmaceutical and Biomedical Sciences (NHPBMS-2013) jointly organized by Sheetal Life Sciences (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 Problems of Higher Education, Academic Management and Role of Teachers Association. Organized by District Degree College Teachers Associations, Jaunpur, February 16-17, 2015. **(National)**

18. **Decolorization of Congo Dye by Natural Isolate of *Pleurotus flabillatus* 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)**

#### **INVITED LECTURES**

1. **Prospective of higher plant products in sustainable development of Indian 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 Plants. Organized by MGCG University, Chitrakoot, Satna, February 28, 2013. **(National)**
3. **Bioprocessing: An Overview.** In: International Symposium on Innovation in Education, Environmental and Health Research. Organized by Society for Educational Development & Environmental Research, Varanasi, February 23-24, 2015. **(International)**
4. **History, Structure and functions 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<sub>a</sub> Value: A Key to Success in Bioprocessing.** In: National Conference on Microbes in Extreme Environment: Diversity and Translational Applications (MEEDTA) organized by Department 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) organized by

Department of Botany, UP College (autonomous), Sponsored by DBT-STAR College Scheme, DBT, New Delhi, Varanasi, March 27, 2016. **(National)**

### **LECTURES DELIVERED AT UNIVERSITY/COLLEGE LEVEL**

1. 06 lectures, SMM Town PG College, Ballia during 2006-2011.
2. 07 lectures, School of Biotechnology, Faculty of Science, Banaras Hindu University, Varanasi during March 28-April 01, 2011.

### **SUMMER/ WINTER SCHOOL/ SHORT TERM COURSES/WORKSHOPS**

1. Summer School on ‘Development and Characterization of Heterogeneous Catalysts’ organized by Department of Chemical Engineering & Technology, Institute of Technology, BHU, Varanasi, June 29- July 11, 1998.
2. Short Term Training Course on ‘Fermentation Strategies and Bioreactor Selection’ organized Biochemical & Environmental Engineering Group, Indian Institute Chemical Technology (IICT), Hyderabad, April 15-May 01, 1999.
3. National Workshop on “Research Methodology and Computer Application in Psychological Research” Organized by Department of Applied Psychology, VBS Purvanchal University Jaunpur, September 15-26, 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 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.

### **SEMINAR/ SYMPOSIA/CONFERENCE/WORK SHOP ORGANIZED**

1. **Co-Convener-** National conference on Biotechnology and Human Welfare: New Vistas. Organized by Department of Biotechnology, VBS Purvanchal University, Jaunpur, Mar21-22, 2015.

### **MEMBER OF PROFESSIONAL BODIES**

1. LIFE MEMBER, **ASSOCIATION OF MICROBIOLOGIST OF INDIA.**

No.: **AMI/LM-510(4)/2013**

2. LIFE MEMBER, **BIOTECH RESEARCH SOCIETY OF INDIA.**

No.: **LM-1780**

### **EXTENSION ACTIVITIES**

1. Actively participated in Mushroom Training Programme arranged for local farmers. Organized time to time by Mushroom Training center, Deptt of Biotechnology, VBS Purvanchal University, Jaunpur .

### **OTHER ACTIVITIES**

- Member, 'University Court', VBS Purvanchal University, Jaunpur.
- Member, 'Academic Council', VBS Purvanchal University, Jaunpur.
- Member, 'Board of Studies' Sri Agrasen Kanya Autonomous Colleges, Varanasi (UG) and Deptt of Biotechnology, VBS Purvanchal University, Jaunpur (PG).
- Asstt. Coordinator, Internal Quality Assurance Cell, VBS Purvanchal University, Jaunpur.
- Member, Central Training & Placement Cell, VBS Purvanchal University, Jaunpur.

- Member, NAAC Steering Committee, VBS Purvanchal University, Jaunpur
- Member Anti-ragging squad committee of the University.
- Coordinator, Solid Waste management and Disposal Committee, VBS Purvanchal University, Jaunpur
- Member, Occupational Safety, VBS Purvanchal University, Jaunpur
- Question Paper Setter & Evaluator of Biotechnology, Microbiology, and Biochemistry and Environmental Sciences-PG level (Inside and outside University)
- Question Paper Setter & Evaluator of Biotechnology, Industrial Microbiology- UG level.
- External & Internal practical examiner-UG & PG level. (Inside and outside University)

**(Dr. RAJESH SHARMA)**