

CURRICULUM- VITAE



Dr. Vivek Kumar Pandey

Lecturer

Department of Environmental Science,
V.B.S. Purvanchal University, Jaunpur (U.P.) India

Mob No. +919415893594, 6394337310

Email drvivekpandey4@gmail.com

TEACHING EXPERIENCE

10 years teaching experience in the environmental science, VBS Purvanchal University Jaunpur

EDUCATIONAL QUALIFICATION

Ph.D. in Biotechnology

- **Year of Award – 2008** from V.B.S. Purvanchal University Jaunpur,
- **Supervisor: Prof. M. P. Singh, Ex Head Department of Biotechnology.**
- **M.Sc. in Biotechnology**
 - M. Sc. - 2001, from V.B.S. Purvanchal University Jaunpur, U.P with 1st Division.
 - M.Sc. Dissertation work from N. D. University of Agri. & Technology Kumarganj Faizabad U.P. INDIA
 - **Supervisor: Prof. D. K. Chakrabarti** Department of Horticulture Division. NDUAT Kumarganj Faizabad .

Bachelor of Science –in 1999 from V.B.S. Purvanchal University Jaunpur, with 1st marks.

SPECIALISATION: Environmental Biotechnology

AREA OF INTEREST: Bioremediation & Fermentation technology

COMPUTER EXPOSURE

Knowledge of -MS Office, Windows, Excel, Internet

RESEARCH AND WORKING EXPERIENCE

- Three years research experience as project fellow UGC Major Research project New Delhi “Lignocellulosic wastes degradation by white rot fungi and Enzymes activities. Since 1st August 2003 - 31st July 2006.
- One year research experience Project on “*Fusarium moniliforme* induced ripening of banana fruits” Biotechnological approach from 1st May 2001 to April 2002 NDUAT Kumarganj Faizabad U.P.
- One month Training on NRCM Solan Himanchal Pradesh-India (2006)
- 12 students Supervised in M.Sc. course Dissertation work.

PROFESSIONAL QUALIFICATION

Diploma in food science 1996- Ist-72.7% Govt. Food Science Institute, Kotdwara, Pauri Garhwal (U.P.)

AWARD AND HONOUR

- N.C.C. B Certificate
- Krisi mandi samiti scholarship in B.Sc.

- 1st May 2001 to 30th April 2002 in training, in **N. D. University of Agriculture & Technology, Kumarganj Faizabad** (UP).
- 1st August 2003 To 30th June 2006 as project fellow in Biotech department **V.B.S. Purvanchal university Jaunpur** (UP)
- 5th June 2006 to 05th July 2006 **NRCM Solan, Himanchal Pradesh, INDIA**
- 27th March.2008 to 24th April 2008 Skill development programme for Biotechnology **MSME Govt. of India.**
- 1st April 2012 to 27th April 2012 **Refresher course** in Environmental Science from academic staff college **Jawaharlal Nehru University (JNU)** New Delhi India
- **4th January to 31st January 2014 Orientation programme** from academic staff college **Allahabad University (AU)** Allahabad U.P. India
- **19th Feb To 24th Feb 2018 Training programme** on academic leadership from centre of academic leadership and education management under the scheme of Pandit Madan Mohan Malviya National mission on teachers and teaching.

Membership of Professional/ Academic bodies, Societies etc. give details:

1. Mushroom Society of India NRCM Chambaghat, Solan
2. Member of Scientific Advisory Committee: National conference on Biotech World 2010 organized by department of Biotechnology Dayanand Academy of Management Studies Kanpur; 20th Feb. 2010
3. The UP association for science and technology life membership No. 277/296
4. The Academy of environmental biology (Life Membership No. - 639)
5. Member of organizing committee: national conference on frontiers in biological sciences organized by faculty of sciences, VBS Purvanchal University Jaunpur 4-5 Dec 2011
6. Member of organizing committee: national conference on Biotechnology and Human welfare: New vistas organized by Department of Biotechnology, VBS Purvanchal University Jaunpur 4-5 Dec 2011
7. ACS of B. Ed entrance examination in university campus
8. ACS of semester examination in university campus
9. Observer in the annual examination of university affiliated college in 2015, 2016, 2017
10. Observer in the inter collegiate athletics game male and female from 14.11.2017 to 17.11.2017

PUBLICATIONS

1. **Research Articles** Pandey, AK, Vishwakarma, SK, Srivastava, AK, **Pandey, VK** and Singh, MP, (2014) production of lignolytic enzyme by white rot fungi on lignocellulosic wastes using novel pretreatment *Cell. Mol. Biol.* 60(5): 41-45.
2. **Pandey, VK**, Singh, MP, 2014 Biodegradation of wheat straw by *Pleurotus ostreatus* . *Cell. Mol. Biol.* 60(5):29-34
3. Pandey, AK, Vishwakarma, SK, Srivastava, AK, **Pandey, VK** and Singh, MP, (2014) Production of lignolytic enzyme by white rot fungi on lignocellulosic wastes using novel pretreatment *Cell. Mol. Biol.* 60(5): 41-45.
4. Srivastava, AK, Vishwakarma, SK, , **Pandey, VK** and Singh, MP, (2014) direct red decolorization and lignolytic enzymes production by improved strain of *Pleurotus* using basidiospore derived monokaryons *Cell. Mol. Biol.* 60(5): 15-21
5. **Pandey, VK**, Singh, MP, Srivastava, AK, Vishwakarma, SK and Takshak, S (2012) Biodegradation of Sugarcane bagasse by *Pleurotus citrinopileatus*. *Cell. Mol. Biol.* 58(1): 8-14.
6. Vishwakarma, SK, Singh, MP, Srivastava, AK and **Pandey, VK** (2012) AZO dye (Direct Blue 14) Decolorization by Immobilized extracellular enzymes of *Pleurotus* Species *Cell. Mol. Biol.* 58(1): 21-25.
7. Singh, MP, Pandey, AK, Vishwakarma, SK, Srivastava, AK and **Pandey, VK** (2012) Extracellular xylanase production by *Pleurotus* species on lignocellulosic wastes under *in vivo* condition using novel pretreatment *Cell. Mol. Biol.* 58(1), 170-173.
8. Singh, M.P., **Pandey, V.K.**, Srivastava, A.K. and Vishwakarma, S.K. 2011. Biodegradation of brassica haulms by white rot fungus *Pleurotus eryngii*. *Cell. Mol. Biol.* 57(1): 47-55.

9. Singh, M.P., Srivastava, A.K., Vishwakarma, S.K., Singh, V.K and **Pandey, V.K.** 2011. Mushroom Biotechnology. In: *Recent Trend in Biotechnology Vol. I*, M. P. Singh, A. Agrawal and B. Sharma (eds.), Nova Science Publishers, New York (USA), pp 77-85.
10. Singh, M.P., **Pandey, V.K.**, Srivastava, A.K., and Vishwakarma, S. 2011. Enzyme technology and mycoremediation by white rot fungi. In: *Recent Trend in Biotechnology Vol. 2*, M. P. Singh, A. Agrawal and B. Sharma (eds.), Nova Science Publishers, New York (USA), pp.157-163.
11. Singh MP, **Pandey VK**, Pandey AK, Srivastava AK, Vishwakarma NK and Singh VK. (2008) Production of xylanase by white rot fungi on wheat straw. *Asian J Microbiol Biotechnol Environ Sci.* **10** (4): 859-862.
12. Singh MP, Srivastava AK, Vishwakarma SK, **Pandey VK**, Pandey AK and Singh SK. (2007) Extracellular enzyme activity by *Pleurotus* species on vegetable wastes. **Mush. Res.** **16**, 93-97.
13. Singh MP, Srivastava AK, Vishwakarma SK, **Pandey VK**, Pandey AK and Singh SK. (2007) Extracellular enzyme profiles by white rot fungi on lignocellulosic wastes. **Poll. Res.** **26**: 445-448.
14. Singh MP, Srivastava AK, Vishwakarma SK, **Pandey VK**, Pandey AK and Sidhu DS. (2007) Influence of temperature and pH during radial growth of *Pleurotus* species on different lignocellulosic wastes. **Mount. Res.** **2**:13-18.
15. Singh MP, **Pandey VK**, Pandey AK and Singh SK. (2006) Effect of temperature and pH on mycelial growth of oyster mushroom (*Pleurotus* species). **Mount. Res.** **1**:15-20.
16. **Pandey VK**, Chakrabarti DK and Pandey Alok. (2006) Fusarium Moniliforme-Enzyme induced ripening of Banana fruits. **Journal of Food Science and Technol.** **43**:46-48.

Popular Articles

- Population Explosion and Environmental Degradation: A Global Challenge. Souvenir. National Science Day (NSD) Celebration, VBS Purvanchal University, Jaunpur. Feb. 2011.
- “Role of sciences in developing countries. Souvenir” National Science Day (NSD) 2018, VBS Purvanchal University, Jaunpur.

Book Chapters

1. Article in “Recent trends in Biotechnology” Volume 1 Edited by M. P. Singh, Anju Agrawal and Bechan Sharma; to be published by **Nova Publication, Inc., N.Y., USA.**
2. Article in “Recent trends in Biotechnology” Volume 2 Edited by M. P. Singh, Anju Agrawal and Bechan Sharma; to be published by **Nova Publication, Inc., N.Y., USA.**

Abstract/Poster in National/ International conference / Seminar: 2006 onward

- International Conference “Biodegradation of wheat straw by white rot fungus *Pleurotus ostreatus* held on 21,22,23 Feb 2014 at school of Environmental Science BBAU Lucknow, Environmental Technology & Sustainable Development .
- National Conference “Effect of pioneer plants on saline soil” Monitoring of water quality contaminated by pesticides and associated health impact held on 25-26 February 2012 at RSKDPG College Jaunpur, UP.
- International Conference on counselling and community psychology held on 17-19 December 2011 at VBS Purvanchal University Jaunpur, UP.
- Workshop on assessment and accreditation in colleges: How to make quality management system works. held on 13 December 2011 at VBS Purvanchal University Jaunpur, UP.
- National Conference “Xylanase activity of *Pleurotus* species on lignocellulosic substrates” frontiers in Biological sciences held on 4-5 December 2011 at VBS Purvanchal University Jaunpur, UP.
- National Conference “Electronic wastes: alarming pollution status at Jaunpur (UP) India” frontiers in Biological sciences held on 4-5 December 2011 at VBS Purvanchal University Jaunpur, UP.
- National Conference “Plastic wastes menace to the environmental health” frontiers in Biological sciences held on 4-5 December 2011 at VBS Purvanchal University Jaunpur, UP.

- National Conference “Status of Biomedical wastes generation at Jaunpur City” frontiers in Biological sciences held on 4-5 December 2011 at VBS Purvanchal University Jaunpur, UP.
- National Conference “degradation of lignocellulosic wastes by white rot fungi (*Pleurotus*)” Recent advances in Fungal biotechnology held on 22-23 Sept 2011 at Forest Research Institute Deharadun, UK.
- National Conference “PGPRs acts as Eco-friendly agent for agriculture” Environmental Problems in India and Challenges to Plant Biologists held on Feb 4 – 5, 2011 at UP College, Varanasi.
- National Conference “Extracellular laccase profile by white rot fungi on sugarcane bagasse” Climate Change and Its Impact on Biological Communities held on Feb 12 – 13, 2011 at Dr. RML Avadh University Faizabad.
- National seminar “Biological efficiency of *Pleurotus* species grown on different lignocellulosic wastes” held on 1-3 October 2010 at National Institute of technology Rourkela.
- National Conference “Azo dye degradation by white rot fungi” Emerging Trends in Biochemistry held on 30 January 2010 by University of Allahabad UP.
- National conference “Role of Mushroom production in Indian Women Entrepreneurship” on Biotech world held on 20 Feb. 2010 at Dayanand Academy of Management Studies, Kanpur
- 5th World Congress of Cellular and Molecular Biology “Bioremediation Potential of White Rot Fungi (*Pleurotus* spp.) to Mitigate Heavy Metal Concentration” held on November 02-06, 2009 at Indore, India.
- National seminar on Contribution of the Vedic Environmental Ethics in conservation of Biodiversity held on 13- 14 December, 2008 at Department of Philosophy, T.D.College, Jaunpur.
- International conference “Biodegradation of brassica haulms by white rot fungus *Pleurotus eryngii*” held on 10-11 feb 2007, on Mushroom biology and Biotechnology organized by The mushroom society of India & National research centre for mushroom Solan H.P. In NRCM Solan H.P.
- National seminar “Solid wastes Biodegradation by white rot fungus *Pleurotus citrinopileatus*” In AICTE sponsored Seminar, on Integrated solid waste management held on dated 27-28 April 2006 Organized by Department of civil engineering & Pariyar centre for environment and energy management, Vallam, Thanjavur, Tamilnadu.
- National Seminar “Improvement of rural economy through mushroom cultivation” on 22-23 April 2006 On Important of Rural economy through mushroom cultivation, organized by Veer Bahadur Singh Purvanchal University Jaunpur UP.
- Workshop on patent awareness organized by Biological science & Business management 31 Feb 2004 V.B.S. Purvanchal university Jaunpur.

PERSONAL PROFILE

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| FATHER’S NAME | Dr. KRIPA SHANKER PANDEY |
| DATE OF BIRTH | 4 th January 1977 |
| PERMANENT ADDRESS | 1389/24-A, Vivekanand Nagar, Near Shastri Nagar Police Station - Sultanpur |
| NATIONALITY | INDIAN |

VIVEK KUMAR PANDEY