

Biodata Dr. Meenakshi Nandal

DR. MEENAKSHI NANDAL

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Father Name: Maj. H. K. Sahu

Date of Birth: 9th September 1975

Phone number: 91-9416380668



Department: Environmental Sciences, M.D. University, Rohtak- 124001 (Haryana)

Teaching Experience: 14 years (approx.)

Educational Qualifications

Degree	Year of Passing	University/Institute
Ph.D	2003	M.D.University, Rohtak
PG	1998	M.D.University, Rohtak
UG	1996	M.D.Univeristy, Rohtak

Career Profile

Designation	Institution Served	Duration	
		From	To
Contractual	M.D.University	2004	2007
Assistant Professor	M.D.University	2008	Till date

Research Guidance	Duration		
	From		Status
Ph.D Scholar			

Ph.D (Completed)	1	2012	Studies on the effect of salt tolerant microbes on germination, growth and yield of Indian mustard under salt stress	Completed
		2014	The efficacy of microbial inoculation on MSW composting process	Completed
(registered)	3	2017	Performance evaluation of UASB for treatment of municipal waste water	Ongoing
		2017	Potency of fungal consortia on Rice straw degradation	Ongoing
		2018	Chemometric quantification of groundwater and soil quality and health risk assessment in some districts of Rajasthan	Ongoing
Dissertation (M.Sc)		12	Salinity stress, Physiochemical analysis Soil & Solid waste, groundwater analysis, Agrowaste composting etc.	

Research project

S. No.	Title & type of projects (sponsored/consultancies) (Major/Minor)	Carried out/ongoing	Funding agency	Period	Grant/ Amount Mobilized (Rs in Lakh)
1.	Resistance of environmental stress in tropical drosophilids : analysis of multi trade associated across seasons and geographical regions	Completed	UGC	1.5.09 to 1.05.12	11,77300.00
2.	Major project on "Spatial Distribution of Uranium in Ground & Drinking water in Bikaner and Nagaur Districts of Rajasthan".	Ongoing	Board of Research in Nuclear Sciences (BRNS)	2 years	27,51,800/-

a) Research papers published in refereed journals

- Mansi Rastogi, Meenakshi Nandal, Sheetal Barapatre, Savita (2018). Spectroscopic evaluation of Temperature affecting humification and maturity of MSW composting. International Journal of Research in Advent Technology, Vol.6, No.5
- Mansi Rastogi and Meenakshi Nandal (2017). Effect of Industrial Effluents on Mineral Uptake of Two Rabi crops (*Triticum aestivum* and *Raphanus sativus*), Nature Environment and Pollution Technology. Vol. 16(2) : xx-xx
- Mansi Rastogi, Rajesh Kumar Lohchab and Meenakshi Nandal (2016). Efficacy of leachate recirculation on municipal solid waste stabilization in a bioreactor. Annals of Agri-Bio Research, 21 (2): 124-129.
- Meenakshi Nandal, Pragya Mahajan, Rajni Hooda (2016). Effect of PGPR on catalase activity of Indian mustard under saline stress Int. J. of Pharmacy and Analytical Research Vol-5(1) 01-09.
- Nandal Meenakshi, Solanki Pooja, Rastogi Mansi and Hooda Rajni (2015). Bioremediation: A sustainable tool for environmental management of oily sludge. Nature environment and pollution technology Vol.14 (1)
- Nandal Meenakshi, Hooda Rajni and Geeta Dhania (2014). Tea Wastes as a Sorbent for Removal of Heavy Metals from wastewater. International Journal of Current Engineering and Technology. Vol.4 (1) 243-247.
- Rastogi Mansi, Hooda Rajni and Nandal Meenakshi (2014). Review on anaerobic treatment of municipal solid waste with leachate recirculation. International journal of plant animal and environmental sciences. Vol.4 (4), 110-117.
- Nandal Meenakshi and Hooda Rajni (2013). Salt tolerance and physiological response of plants to salinity: A Review. International Journal of scientific engg and research,(10) 44-67.
- Nandal Meenakshi and Hooda Rajni (2013). Plant Growth Promoting Rhizobacteria. A Review Article. International Journal of Current Research.5 (12) 3863-3871.
- Yadav JP, Meenakshi (2007) Impact of Om Surgical Effluent on germination seedling growth and yield of selected crops. J Ecotoxicol Environ Monit 17(2) : 151-8.

Book Chapters

- Rastogi Mansi and Meenakshi Nandal (ed. 1) (2017). Uranium Radionuclides Contamination in Environment, their Ecotoxicological Effects, Health Hazards and Bioremediation, Environmental Pollutants and their Bioremediation Approaches, Chapter 4, 103-126, CRC Press, ISBN: 978-1-351-70059-7.
- Rastogi Mansi and Meenakshi Nandal (2018). Composting and emerging technology for solid waste management in India, Handbook of Research on microbial tolls for environment waste management, Chapter 6, 1052126, IGI Global. doi:10.4018/978-1-1225-3540-9.ch006.
- Rastogi Mansi and Meenakshi Nandal (2018). Bioremediation of industrial for environment safety-Volume II: Biological agents and methods for industrial waste management, 780, Springer Singapore, ISSN 978-981-13-3426-9.

Participation and Papers presented in Conferences/Seminars/Workshop/Symposia etc.

- Presented poster “Potential Effect Of Amended Compost On The Growth Of Tomato Plants” in 12th National Symposium o Environment organized by Discipline of Earth Sciences, IIT Gandhinagar and BARC Mumbai on 13-15th Dec, 2018.
- Presented poster “EFFECT OF AGROWASTE COMPOST ON THE GROWTH OF SOLANUM LYCOPERSICUM PLANTS” in International conference on Microbes for Biotechnological Innovations organized by Dept. of Microbiology and AMI-Rohtak on 7th Dec, 2018
- Attended one day workshop sponsored by NAAC (IQAC) at MDU, Rohtak on 30th Nov, 2018.
- Attended and presented poster in International conference on Sustainable agriculture, energy, environment and technology in organized by ESM cell in collaboration with SSARM, M.D.U Rohtak on 24-25th Feb, 2018.
- Attended and presented poster on Composting: A Sustainable tool for waste management in India” in National Seminar on Environmental Changes and Sustainable Development: Issues and Challenges at S.M. college, UP on 14-15th December 2017.
- Attended one day National Conference-cum-Workshop on Emerging Infectious Diseases at Centre for Biotechnology, MDU, Rohtak on 29th November, 2017.
- Attended and presented poster on “Effects of various amendments of compost on biochemical activity of Wheat” in International conference on Microbes for Health and Wealth at Dept. of Microbiology, MDU on 14th November, 2017.
- Attended and presented poster in National Seminar on “Climate change and Agriculture: Impact and Adaptation Strategies in Haryana” organized by Department of Economics, M.D.U, Rohtak on 6-7 February, 2017.
- Attended and presented poster on Excavating cumulative effect of salinity and temperature on enzymatic activity of germinating mung bean (*Vigna radiata*)” in International Conference on Biodiversity: Current Scenario and Future Strategies , St. Bede’s College on October 6-8, 2016
- Attended and presented poster in National Conference on “Therapeutic Potential of Natural Product: Current Innovations & Future Trends” organized by Department of Genetics, M.D.U, Rohtak on 17 September, 2016.
- Attended and presented poster on “ Evaluation of steel industry on growth parameters of two crop plants *Triticum aestivum* and *Sorghum vulgare*” in 2nd International conference NCBMBCC at St. John’s College, Agra (U.P) on 27-29 Feb, 2016
- Attended and presented poster in a National seminar on “Green roofs” in Deptt. Of Environmental Sciences, M.D.U, Rohtak on 16 September, 2015.
- Act as a Chairperson in National Conference on “Therapeutic Potential of Natural Product: Current Innovations & Future Trends” Organized by Department of Genetics, M.D.U, Rohtak on 19th March, 2015.
- Attended Workshop on “Youth Red Cross ” monitoring by department of environmental sciences M.D.U, Rohtak on 25-26th sep 2013
- Attended a National seminar on “Molecular Pathology of Human Genetics Diseases” by department of Zoology M.D.U, Rohtak on 23rd August, 2014
- Attended and presented paper in a National seminar cum workshop on “New dimensions in eco management” in MCM, DAV college, Chandigarh on 25th feb 2014

- Presented poster in a National seminar on “Next generation sciences vision 2020” by department of Zoology M.D.U Rohtak on 8th march 2014.
- Attended and presented poster in a National work shop on “Genomics in crop improvement” by CBT M.D.U, Rohtak ON 27-28th feb 2014
- National Workshop on “Techniques in monitoring environmental pollution” by department of environmental sciences M.D.U, Rohtak on 25-26th sep 2013.
- Presented poster in International conference by AMI on 17th Nov-20th Nov 2013 by department of Microbiology M.D.U, Rohtak.
- Participated and presented paper on “Biofuels: An Alternate to natural resource Management” in one day International conference on the topic “Geoinformatics for biodiversity and climate change” by Deptt. of Geography, M.D.U, Rohtak on 14-16 March, 2013.
- Participated and presented paper on” Influence of surgical effluent on growth and germination of *Triticum aestivum*” in one day National conference on the topic “Challenges in combating diseases cause to cure” by Deptt. of Zoology M.D.U, Rohtak on 23 March, 2012.
- Participated and presented paper on “Toxicity of Industrial effluent on *sorghum vulgare* crop” in National conference on Multidisciplinary Approach in Frontier areas of Environmental Sciences and Engineering” in G.J.U.S & T, Hisar on 4-5 March, 2011.
- Participated and presented paper on “Heavy metal toxicity: industrial effluent effect on germination, seedling growth and yield of *Triticum aestivum*” in Two day National conference on “Biodiversity: Challenges and opportunities” organized by deptt. of Botany M.D.U, Rohtak on 18-19 Feb, 2011
- Meenakshi, Yadav JP (2010) Effect of R.R.Metal on seeds germination, seedling growth of Raddish and Jowar. in National Conference on Environmental Degradation: Effects, Challenges and Remedies held in Jan Nayak Ch. Lal Memorial College of Engineering, Sirsa from 25-27 February, 2010.
- Meenakshi, Yadav JP (2010) Effect of R.R.Metal on seeds germination, seedling growth and yield of Bhindi in National Seminar Computing life: Raw to Refined 197-201:2010. Department of Zoology M D U Rohtak.
- Meenakshi, Yadav JP (2010) Effect of R.R. Metal on seeds germination, seedling growth and yield of Wheat in National Seminar Environmental Challenges: Sustainable 339-344:2010. Department of Environmental Sc., M D U Rohtak
- Participated and presented paper on “Toxicity effect of Mannu Steel Factory effluent on seed germination and seedling growth of wheat” in National conference on Environmental & Health Issue : In a changing climatic scenario organized by Deptt. of Environmental Sciences, M.D.U., Rohtak held on Oct 14-15, 2010.

Life membership

- Life member of the “The Society for Science of Climate Change and sustainable Environment”(SSCE)
- Life member of Association of Microbiologists of India

- Life membership of Indian Society of Genetics, Biotechnology, Research & Development, Agra
- Life membership of Indian Science Congress, Rohtak chapter