Faculty Details Proforma for DU Web-site

Photograph

1	**Title**	**First Name**	**Middle Name**	**Last Name**
	Dr.	Deepak		Rawat
2	**Designation**	Assistant Professor		
3	**Permanent**	Permanent		
	Temporary/ Ad-hoc (Please specify)			
	Work Experience (Years of experience)	4 years 9 months		
4	**Address:**	Department of Environmental Studies, Janki Devi Memorial College (University of Delhi) Sir Ganga Ram Hospital Marg, New Delhi-110060		
5	**Phone No: Office**			
	College Email	deepakrawat@jdm.du.ac.in		
6	**Educational Qualifications (Highest Degree)**	Ph.D. in Environmental Sciences		
7	**Orientation/ Refresher/ FDP/ any other**	**Refresher/ Orientation courses** ● Completed refresher course organized by Centre of Assessment for Excellence (COAE) on '*ISO 21001:2018 Internal Auditing'* on October 12, 2023. ● Obtained 'A+' grade in a two-week Refresher Course in '*Managing Online Classes & Co- creating MOOCS 27.0*' from 06 – 20 June, 2023 organized by Teaching Learning Centre, Ramanujan College, University of Delhi. ● Obtained 'A' grade in a 2-Week UGC-Human Resource Development Centre, University of Delhi sponsored refresher course organized by Centre for		
	Participation in Workshops			

		Professional Development in Higher Education (CPDHE) on the subject '*Environmental Studies and Disaster Management*' from November 21-December 30, 2022. **Faculty Development Program (FDP)/ Faculty Induction Program (FIP)** ● Obtained A+ grade in a one-week national Faculty Development Program (FDP) on '*Hydroponics and Aeroponics Farming'* organized by University of Delhi and Chaudhary Charan Singh Hisar Agricultural University (CCSHAU), Hisar under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education from 4 – 10 September, 2023. ● Obtained A grade in a one-month national Faculty Induction Program (FIP) organized by Janki Devi Memorial College, University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education from 23 June – 22 July, 2023. ● Faculty Development Program (FDP) on '*Student-Centric Pedagogic Methods'* organized by Janki Devi Memorial College, Delhi University in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi from January 27 - February 2, 2021. **Workshops** ● Participated in a workshop organized by Centre of Assessment for Excellence (COAE) on '*Risk Management in Educational Organizations'* on October 13, 2023. ● Presentation in India-UK Workshop on '*Knowledge Transfer on the Sustainability of Innovative Wastewater Treatment Technologies to India: Circular Economy Concepts & Graphene Related*

		Technologies' at Department of Environmental Studies, University of Delhi in March, 2019. ● Participation in the India-UK Workshop on '*Knowledge Transfer on Sustainability of Innovative Wastewater Treatment Technologies to India*' at Kongunadu Arts & Science College, Tamil Nadu in April, 2018.
8	**Administrative Assignments**	
	Department (in the last two years)	● Member: Discipline Committee ● Member: Environment Audit Committee ● Member: Internal Audit Committee ● Member: Time Table Committee (AEC) ● Add-on Course Coordinator: (1) Sustainable fashion and Wildlife conservation, (2) Understanding Allergies
	College (in the last two years)	● Nodal Officer, Swachhta Action Plan Institution, Mahatma Gandhi National Centre for Rural Education (MGNCRE), Ministry of Education, Government of India ● Nodal Officer, Student Champions for Wildlife and Protected Areas" programme, Wildlife Institute of India ● Coordinator, Nadi ko Jano Campaign, Research For Resurgence Foundation ● Member: Accreditation Support Group ● Member: ISO Internal Audit Team ● Member: AVANI Environment Club ● Member: Incubation Program (Faculty Coordinator of Project Anupam)
	University (In the entire tenure)	● Member: Syllabus Revision Sub-Committee at Department Level for B.Sc. (H) Environmental Science ● Member: Syllabus Revision Sub-Committee at Department Level for AEC-EVS in UGCF-2022
9	**Areas of Interest / Specialization**	Environmental Sciences; Environmental Microbiology; Bioremediation; Sustainable Fashion; Sustainable Development
10	**Subjects Taught (in the last three years)**	AECC Environmental Studies AEC Environmental Sciences: Theory into practice **Course Taught** B.A. Hons. English, B.A. Hons. Political Science,

		B.A. Hons. History, B.A. Hons. Economics, B.A. Hons. Sociology, B.A. Hons. Philosophy, B.Com Program, B.Com Hons., B.A. Program.
11	**Research Guidance**	Successfully mentored 20+ postgraduate and undergraduate students for competition of dissertation thesis and project work at the University of Delhi.
12	**Publications Profile**	
	Authored Books (Single/ Co-authored)	---
	Edited Books (Single/ Co-edited)	---
	Chapter in book (Single/ Co-edited) **(Please specify whether National or International)**	1. Parker, Brenda, **Deepak Rawat**, Shneel Malik, Anaëlle Vilatte, Marcos Cruz. "A Design Manifesto for Bioremediation: 10 Principles for the Creation of Sustainable Systems for Environmental Benefit." In AR#0 Bioremediation, edited by Jan Boelen, Charlotte Dumoncel d'Argence, Maggie Oran, Justinien Tribillion, Paul Vachon, Johanna Weggelar, #0, 8-10. Paris: Atelier Luma, 2022. **{Co-authored, International}** 2. Poria, Pankaj, Harveen Kaur, **Deepak Rawat**, and Vandana Mishra. "Textile Dye-Environment-Human Interactions: Emerging Risks to Environmental Health." In Environment Health and Society, edited by Barun Kumar Mishra, Chander Shekar Singh, and Varsha Gupta, 1st ed., 245. New Delhi: Academic Publications Pvt. Ltd., 2021. **{Co-authored, National}** 3. Malhotra, Sarthak, Ruchi Mishra, Swagata Karmakar, **Deepak Rawat**, Saurabh Sharma, Savita Singh, Pankaj Kumar, Sirawung Raiping, and Vandana Mishra. "Environmental Factors Shaping Plant-Microbe Associations: Their Significance to Improve Plant Health and Vegetation Restoration in Degraded Lands." In Introduction to Challenges and Strategies to Improve Crop Productivity in Changing Environment, edited by Mohammad Wahid

		Ansari, Savindra Kumar, Babeeta C. Kaula, and Ratnum K. Wattal, 1st ed. New Delhi: Enriched Publications Pvt. Ltd., 2018. **{Co-authored, National}**
	Article in Peer-reviewed Journal (Single/ Co-edited) (Please specify whether National or International, UGC Listed)	1. **Deepak Rawat,** Udita Sharma, Archana Yadav, Pankaj Poria, Furqan Farooqi, Balaram Pani, Paromita Mukherjee, Mrinalini Singh, Radhey Shyam Sharma, Vandana Mishra. "A bottom-up approach to select microbes from textile wastewater for detoxification of aromatic amine and azo dye in a single stage." ***Journal of Water Process Engineering*** 53 (July 1, 2023): 103668. **{International peer reviewed, UGC Listed, SCOPUS indexed}** 2. **Rawat, Deepak**, Udita Sharma, Pankaj Poria, Arran Finlan, Brenda Parker, Radhey Shyam Sharma, and Vandana Mishra. "Iron-Dependent Mutualism between Chlorella Sorokiniana and Ralstonia Pickettii Forms the Basis for a Sustainable Bioremediation System." ***ISME Communications*** 2 (September 15, 2022): 83. **{International peer reviewed}** **3. Rawat, Deepak**, Pankaj Poria, Vandana Mishra, Brenda Parker, and Radhey Shyam Sharma. "Algal-bacterial mutualism: A sustainable approach for the bioremediation of textile wastewater." ***The Phycologist*** 103 (December 1, 2022): 9-14. **{International}** **4. Rawat, Deepak**, Radhey Shyam Sharma, Swagata Karmakar, Lakhbeer Singh Arora, and Vandana Mishra. "Ecotoxic Potential of a Presumably Non-Toxic Azo Dye." ***Ecotoxicology and Environmental Safety*** 148 (February 2018): 528–37. **{International peer reviewed, UGC Listed, SCOPUS indexed}** **5. Rawat, Deepak**, Vandana Mishra, and Radhey Shyam Sharma. "Detoxification of Azo Dyes in the Context of Environmental Processes." ***Chemosphere*** 155 (July 2016): 591–605. **{International peer reviewed, UGC Listed, SCOPUS indexed}**

		6. Paromita Mukherjee, Radhey Shyam Sharma, **Deepak Rawat**, Udita Sharma, Swagata Karmakar, Archana Yadav, Vandana Mishra. "Microbial communities drive flux of acid orange 7 and crystal violet dyes in water-sediment system." ***Journal of Environmental Management*** 351 (February 1, 2024): 119699. **{International peer reviewed, UGC Listed, SCOPUS indexed}** 7. Vandana Mishra, Nikhil Mudgal, **Deepak Rawat**, Pankaj Poria, Paromita Mukherjee, Udita Sharma, Poonam Kumria, Balaram Pani, Mrinalini Singh, Archana Yadav, Furqan Farooqi, Radhey Shyam Sharma. "Integrating microalgae into textile wastewater treatment processes: Advancements and opportunities." ***Journal of Water Process Engineering*** 55 (October 1, 2023): 104128. **{International peer reviewed, UGC Listed, SCOPUS indexed}** **8.** Sharma, Udita, **Deepak Rawat**, Paromita Mukherjee, Furqan Farooqi, Vandana Mishra, and Radhey Shyam Sharma. "Ecological life strategies of microbes in response to antibiotics as a driving factor in soils." ***Science of The Total Environment*** (September 13, 2022): 158791. **{Co-authored**, **International peer reviewed, UGC Listed, SCOPUS indexed}** **9.** Kaur, Harveen, **Deepak Rawat**, Pankaj Poria, Udita Sharma, Yann Gibert, Abdul Samath Ethayathulla, Ludovic F Dumée, Radhey Shyam Sharma, and Vandana Mishra. "Ecotoxic Effects of Microplastics and Contaminated Microplastics – Emerging Evidence and Perspective." ***Science of The Total Environment*** 841 (June 9, 2022): 156593. **{Co-authored**, **International peer reviewed, UGC Listed, SCOPUS indexed}** **10.** Yadav, Archana, Pankaj Kumar, **Deepak Rawat**, Shafali Garg, Paromita Mukherjee, Furqan Farooqi, Anurag Roy, Senthilarasu Sundaram, Radhey Shyam Sharma, and Vandana Mishra. "Microbial Fuel Cells for Mineralization and Decolorization of Azo Dyes: Recent Advances in Design and Materials." ***Science of The Total***

		Environment 826 (February 21, 2022): 154038. **{Co-authored**, **International peer reviewed, UGC Listed, SCOPUS indexed}** **11.** Mishra, Vandana, Udita Sharma, **Deepak Rawat**, David Benson, Mrinalini Singh, and Radhey Shyam Sharma. "Fast-Changing Life-Styles and Ecotoxicity of Hair Dyes Drive the Emergence of Hidden Toxicants Threatening Environmental Sustainability in Asia." ***Environmental Research*** 184 (February 1, 2020): 109253. **{Co-authored**, **International peer reviewed, UGC Listed, SCOPUS indexed}**
	Conference Proceedings (or any other form of published content)	----
	Creative Writing	----
	Translation	----
13	**Conference Participation (in the last three years) [Please specify whether National or International]**	
	Papers Presented	**International Conferences** ● Oral Presentation in international India-UK Workshop on "*Knowledge Transfer on the Sustainability of Innovative Wastewater Treatment Technologies to India: Circular Economy Concepts & Graphene Related Technologies*", at Department of Environmental Studies, University of Delhi – March 2019 **National Conferences** ● Received first prize in oral presentation in National Conference on "Emerging Challenges of Environmental Health, Society and Policies", at Rajdhani College, University of Delhi – February 2019
	Sessions Chaired	Chaired a session on Environmentalism: Sustainability and Traditional Practices in an 'International conference on Indian Knowledge Systems and their Relevance in Contemporary Times' organised in April 2024.

	Discussant or any other	● Speaker at the European Chlorella Conference 2021 organized by European Algae Biomass Association (EABA) – September 14-15, 2021 ● Speaker at the Algal Biomass Summit 2022 organized by Algae Biomass Organization – October 3-28, 2022		
14	**ICT enabled teaching-learning**			
	Development of e-content (Please specify if it is e-lesson, e-quizzes, e-lectures; also mention the Institution for which the same has been prepared)	● Development of e-content for Environmental Sciences course. ● Organized e-quizzes ● Developed module for add-on course "Fast Fashion Module: Multidisciplinary Aspect of Environmental Sustainability–Towards Sustainable Fashion and Wildlife Conservation"		
	Development of MOOCs	__		
15	**Contribution to development of Syllabi**	● Member: Syllabus Revision Sub-Committee at Department Level for B.Sc. (H) Environmental Science ● Member: Syllabus Revision Sub-Committee at Department Level for AEC-EVS in UGCF-2022		
16	**Research Projects**	Major Grants	Research Collaboration	UGC Funded Research Project
		1. Project Lead in a British Phycological Society, UK funded project on "Algal-bacterial mutualism for wastewater treatment." – June to December, 2021 (2.5 Lakhs) 2. Co-PI in a project on "Environmental fate of textile dye based on its partitioning in sediment-water phases" under Faculty Research Programme of Institute of Eminence, University of Delhi – October, 2021 to October, 2022 (3 Lakhs)	Department of Environmental Studies, UoD and University College London, UK Department of Environmental Studies, UoD	----

		3. Co-PI in a project on "Environmental prevalence and emerging environmental threats from aromatic amines developed in wastewater from textile industry" under Faculty Research Programme of the Institute of Eminence, University of Delhi – Since October, 2022 (5 Lakhs)	Department of Environmental Studies, UoD	
17	**Awards and Distinctions**	● Received the Best Nodal Officer Award in March 2025 from the National Edutrust of India. ● Received the Green Educator Award on September 5th, 2024, from the National Edutrust of India. ● Received appreciation Letter to Promoting Practices for Sustainable Campus from National EduTrust of India ● Awarded PhD from University of Delhi in February 2021 ● Felicitated on March 10, 2024, by the Division of Pediatric Allergy, Sir Ganga Ram Hospital, Delhi, and International Asthma Services, Colorado, USA, for contribution as a faculty to the successful completion of the Diploma in Pediatric Allergy & Asthma program from Dr Neeraj Gupta, Sir Ganga Ram Hospital. ● ISO 21001:2018 certified Internal Auditor as per International Standard for "Management Systems for Educational Organisations" – EOMS. ● COVID-19 Phycological Research Recovery Award 2021 by the British Phycological Society, UK. ● Newton-Bhabha Ph.D. Placement Award 2017-18 funded by British Council (India), Newton Fund (UK), and Department of Biotechnology (India). ● Junior Research Fellowship 2013 (UGC) in Environmental Sciences funded by the Ministry of Human Resource Development, India. ● National Eligibility Test for Assistant Professorship in Environmental Sciences by Ministry of Human Resource Development, India	
18	**Association With Professional Bodies**	● Signed a framework agreement to perform external expert duties with the National Research, Development and Innovation Office (NKFIH), Budapest, Hungary, in July 2025.		

		● Ordinary Member: British Psychological Society, London, UK ● Full member: Microbiology Society, London, UK
19	**Other Activities**	● C2 Proficient (88/100) as per Common European Framework of Reference (CEFR) in EF SET English proficiency test. ● Modular Training for the Bioprocess Industries (MBI) certification in Bioprocess Facility Design at University College London, UK – June 2018 ● Participated in India-UK Workshop on "Knowledge Transfer on Sustainability of Innovative Wastewater Treatment Technologies to India", at Kongunadu Arts & Science College, Tamil Nadu – April 2018