

Faculty Details Proforma for DU Web-site

Photograph



	Title	First Name	Middle Name	Last Name
1	Dr.	Deepak		Rawat
2	Designation	Assistant Professor		
3	Permanent			
	Temporary/ Ad-hoc (Please specify)	Ad-hoc		
	Work Experience (Years of experience)	2 years 2 months		
4	Address:	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	<p>Refresher/ Orientation courses Obtained ‘A’ grade in a 2-Week UGC-Human Resource Development Centre, University of Delhi sponsored Refresher Course organized by Centre for Professional Development in Higher Education (CPDHE) in the subject ‘<i>Environmental Studies and Disaster Management</i>’ from November 21- December 30, 2022.</p> <p>Faculty Development Program (FDP) Faculty Development Program (FDP) on “Student-Centric Pedagogic Methods” organized by Janki Devi Memorial College, Delhi University in collaboration with Mahatma Hansraj Faculty Development</p>		
	Participation in Workshops			

		<p>Centre, Hansraj College, University of Delhi from January 27 - February 2, 2021.</p> <p>Workshops</p> <ul style="list-style-type: none"> ➤ 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)	<ul style="list-style-type: none"> ● Member: Environment Audit Committee, ● Member: Internal Audit Committee, ● Member: Time Table Committee, ● Add-on Course Coordinator: (1) Sustainable fashion and Wildlife conservation, (2) Understanding Allergies
	College (in the last two years)	<ul style="list-style-type: none"> ● Nodal Officer, Swachhhta 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 ● Co-ordinator, Nadi ko Jano Campaign, Research For Resurgence Foundation
	University (In the entire tenure)	<ul style="list-style-type: none"> ● 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

		<p>AEC Environmental Sciences: Theory into practice</p> <p>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.</p>
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)	<ol style="list-style-type: none"> 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}

		<p>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}</p>
	<p>Article in Peer-reviewed Journal (Single/ Co-edited) (Please specify whether National or International, UGC Listed)</p>	<p>1. Rawat, Deepak, Udita Sharma, Pankaj Poria, Arran Finlan, Brenda Parker, Radhey Shyam Sharma, and Vandana Mishra. “Iron-Dependent Mutualism between <i>Chlorella Sorokiniana</i> and <i>Ralstonia Pickettii</i> Forms the Basis for a Sustainable Bioremediation System.” <i>ISME Communications</i> 2 (September 15, 2022): 83. {International peer reviewed}</p> <p>2. Rawat, Deepak, Pankaj Poria, Vandana Mishra, Brenda Parker, and Radhey Shyam Sharma. “Algal-bacterial mutualism: A sustainable approach for the bioremediation of textile wastewater.” <i>The Phycologist</i> 103 (December 1, 2022): 9-14. {International}</p> <p>3. Rawat, Deepak, Radhey Shyam Sharma, Swagata Karmakar, Lakhbeer Singh Arora, and Vandana Mishra. “Ecotoxic Potential of a Presumably Non-Toxic Azo Dye.” <i>Ecotoxicology and Environmental Safety</i> 148 (February 2018): 528–37. {International peer reviewed, UGC Listed, SCOPUS indexed}</p>

		<p>4. Rawat, Deepak, Vandana Mishra, and Radhey Shyam Sharma. “Detoxification of Azo Dyes in the Context of Environmental Processes.” <i>Chemosphere</i> 155 (July 2016): 591–605. {International peer reviewed, UGC Listed, SCOPUS indexed}</p> <p>5. Sharma, Udit, 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.” <i>Science of The Total Environment</i> (September 13, 2022): 158791. {Co-authored, International peer reviewed, UGC Listed, SCOPUS indexed}</p> <p>6. Kaur, Harveen, Deepak Rawat, Pankaj Poria, Udit 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.” <i>Science of The Total Environment</i> 841 (June 9, 2022): 156593. {Co-authored, International peer reviewed, UGC Listed, SCOPUS indexed}</p> <p>7. 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.” <i>Science of The Total Environment</i> 826 (February 21, 2022): 154038. {Co-authored, International peer reviewed, UGC Listed, SCOPUS indexed}</p>
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	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]	
		<p>International Conferences</p> <ul style="list-style-type: none"> ● Oral Presentation in international India-UK Workshop on “<i>Knowledge Transfer on the Sustainability of Innovative Wastewater Treatment Technologies to India: Circular Economy Concepts & Graphene Related Technologies</i>”, at Department of Environmental Studies, University of Delhi – March 2019 <p>National Conferences</p> <ul style="list-style-type: none"> ● 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
	Papers Presented	
	Sessions Chaired	---
	Discussant or any other	<ul style="list-style-type: none"> ● Speaker at the European Chlorella Conference 2021 organised by European Algae Biomass Association (EABA) – September 14-15, 2021

		<ul style="list-style-type: none"> • Speaker at the Algal Biomass Summit 2022 organised 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)	<ul style="list-style-type: none"> • Development of e-content for Environmental Sciences course. • Organised 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	<ul style="list-style-type: none"> • 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 		
		Major Grants	Research Collaboration	UGC Funded Research Project
16	Research Projects	<ol style="list-style-type: none"> 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, 	<p>Department of Environmental Studies, UoD and University College London, UK</p> <p>Department of Environmental Studies, UoD</p>	---

		<p>2021 to October, 2022 (3 Lakhs)</p> <p>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)</p>	<p>Department of Environmental Studies, UoD</p>	
17	Awards and Distinctions	<ul style="list-style-type: none"> ● Awarded PhD from University of Delhi in February 2021 ● COVID-19 Psychological Research Recovery Award 2021 by the British Psychological 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	<ul style="list-style-type: none"> ● Ordinary Member: British Psychological Society, London, UK ● Full member: Microbiology Society, London, UK 		
19	Other Activities	<ul style="list-style-type: none"> ● 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
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