

Curriculum Vitae

Dr. Dushyant Kumar

Designation: Assistant Professor

Qualifications: Ph.D. (Environmental Science & Technology, IIT Roorkee),

M.Sc. (Environment Science, Ch. C. S. University Meerut)



Contact Information:

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Google scholar ID: <https://scholar.google.com/citations?user=c9cGVAAAAAJ&hl=en>

Qualifications:

B. Sc. (Biology)

Ch. C. S. University, Meerut

M. Sc. (Environment Science)

Department of Environmental Science, Ch. C. S. University
Campus, Meerut, Uttar Pradesh

Ph.D. (Environment. Sci. & Tech)

Indian Institute of Technology, Roorkee

Post-Ph.D.

Expert member of liquid waste management group at
Centre for Rural Development and Technology, Indian
Institute of Technology, Delhi (01 Sep 2020- 14 July 2022)

Current position:

- Assistant Professor, Department of Environmental Science under School of Engineering & Technology (SoET), Central University of Haryana, Mahendergarh Haryana, India (July 2022-today).

Research Interest:

- Environmental pollution & global issues, Water and wastewater treatment & reuse, Waste management, Waste to value-added products, Environmental risk assessment, Ecosystem and biodiversity conservation, EIA.

Research experience:

- Junior research fellowship granted by UGC, New Delhi India at Indian Institute of Technology, Roorkee, India.

- Senior research fellowship granted by UGC, New Delhi India at Indian Institute of Technology, Roorkee, India. Sr. project Assistant at centre for Rural Development and Technology, Indian institute of Technology, Delhi, Hauz Khas New Delhi-110016, India
- Expert member of liquid waste management group at centre for Rural Development and Technology, Indian institute of Technology, Delhi, Hauz Khas New Delhi-110016, India

Awards & Professional recognition:

- Qualified Junior Research Fellowship, National Eligibility Test in Environmental Science.
- Life member of Indian water resources Society
- Life member of The Indian Science Congress Association
- Life member of National Environmental Science Academy
- Outstanding peer review awards from many reputed journals

Research publications:

- Solanki Ashish, **Dushyant Kumar**, and Praveen Sharma (2023) "A Mini-Review on Agro Waste Mediated Technologies Used for Landfill Leachate Treatment." Journal of Water Process Engineering, (SCIE, Scopus, IF-7.0)
- **Dushyant Kumar**, Chhaya Sharma (2022) Paper Industry Wastewater Treatment by Electrocoagulation and Aspect of Sludge Management, Journal of Cleaner Production (SCIE, Scopus, IF-11.29)
- Sumit Kumar, **Dushyant Kumar**, Prashant Sharma and Anita Punia. (2022), Challenges and Opportunities in Bioprospecting for Sustainable Biofuel Production: Current Status and Future Perspectives, International Journal of Current Microbiology and Applied Sciences (NAAS: 5.38)
- **Dushyant Kumar**, Chhaya Sharma (2021) Reduction of Chlorophenol Compounds from Pulp and Paper Industry Wastewater Using Different Metal Electrodes: A Comparative Study, Research Journal of Chemistry and Environment (Scopus)
- **Dushyant Kumar**, Chhaya Sharma (2019) Reduction of Chlorophenols and Sludge Management from Paper Industry Wastewater Using Electrocoagulation, Journal of Separation Science and Technology (SCI, WoS) (IF: 2.8)
- **Dushyant Kumar**, Vivek K. Gaurav, Chhaya Sharma (2019) Eco-friendly Remediation of Pulp and Paper Industry Wastewater by Electrocoagulation and Its Recycling Potential, American Journal of Plant Science, (WoS)

- **Dushyant Kumar**, Chhaya Sharma (2019) Remediation of Pulp and Paper Industry Effluent Using Electrocoagulation Process, Journal of Water Resource and Protection (WoS)
- Vivek K. Gaurav, **Dushyant Kumar**, Chhaya Sharma (2019) Assessment of Metal Accumulation in the Vegetables and Associated Health Risks in The Upper Most Gangayamuna Doab Region, India, American Journal of Plant Science (WoS)
- **Dushyant Kumar**, Smita S. Kumar, Sandeep K. Malyan (2017) Xylanases and Their Industrial Applications: A Review, Biochemical and Cellular Archives, (Scopus)
- Qaseem Haider, **Dushyant Kumar**, Chhaya Sharma (2021) Effect of Recycling of Elemental Chlorine Free (ECF) Bleaching Effluent Through Electrocoagulation On Paper Properties, Journal of Cellulose Chemistry and Technology (Scopus)
- Bharti, Jeet Singh Jangwan, Smita Kumar, Vivek kumar, Amrish kumar, **Dushyant Kumar** (2021) A Review On the Capability of Zinc Oxide and Iron Oxides Nano-Materials as a Water Decontaminating Agent: Adsorption and Photocatalysis, Applied water Science, (Scopus)

Book chapters:

- Smita S Kumar, Ankita Rai, Renu Singh, **Dushyant Kumar**, (2020) Bio-electro-remediation Technologies in Remediation of Environmental Pollutants: Challenges and Future Prospects in: Kumar V., Saxena G., Shah Mullin., (Eds) Bioremediation for Environmental Sustainability Approaches to Tackle Pollution for Cleaner and Greener Society
- **Dushyant Kumar**, Sandeep k Malyan, Amrish Kumar, Jagdeesh Kumar (2020) Microbiological removal of heavy metals from environment/wastewater: An Eco-friendly approach in CRC press, Taylor & Francis Group part of book “Nano-biotechnology for a Green Environment

Training Programs:

- Successfully completed a 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities of Higher Education” from 20 October – 18 November, 2022
- Successfully completed online Two-Week Inter-Disciplinary Refresher Course in “Environmental Science”

Conferences/Seminars/Symposium:

- Chloro-compounds from Paper Industry Wastewater Through Electrocoagulation Treatment a paper presented in International Conference on Chemical and Biochemical Engineering [ICCBE] held at Amsterdam, Netherland on 9-10 June 2019
- Removal of COD and Color from Paper Mill Wastewater Through Electrocoagulation a paper presented at International Conference on Sustainable Technologies for Intelligent Water Management held at Water Resources Department IIT Roorkee Uttarakhand, India 16-19 Feb 2018
- Removal of COD, TOC and Color from Pulp and Paper Industry Wastewater Using Electrocoagulation a poster presented at International Conference on Strategies for Environment Protection and Management held at School of Environmental Science, JNU New Delhi, Dec 11-13, 2016
- Reduction of Pollution Load Generated by Pulp and Paper Mills Through Electrocoagulation a poster presented at International Conference on Recent Advances in Analytical Sciences held at Indian Institute of Technology, Banaras (IITBHU), 7-9 April 2016
- Remediation of COD and Color from Pulp and Paper Industry Effluent Using Electrocoagulation a poster presented at the National Symposium on Managing Agriculture in a Changing Environment, organized by Society for Conservation of Nature, held at Center for Environment Science and Climate Resilient Agriculture, ICAR-IARI, New Delhi on 1-2 Dec 2016
- Reduction of COD and Color from Pulp and Paper Industry Wastewater Using Electrocoagulation a poster presented at the National Symposium on Environmental Toxicology held at Department of Zoology CCS University Meerut, UP, on 25-26 March 2016
- Assessment of Avian Diversity of Hasitnapur Wildlife Sanctuary, Meerut, UP, India a poster presented in a UGC Sponsored National Seminar: Recent Advancement in Life Sciences: Potential Benefits & Risks, organized by Department of Zoology held t D. N. College Meerut 5-6 Feb 2011

Workshops/Webinars:

- Participate in One-Day Awareness Training Course On Cleaner Technology in Pulp And Paper Industry” held at Department of Paper Technology IIT Roorkee Saharanpur Campus, Saharanpur On 24 March 2014

- Participate in Three-Day National Workshop On Solar Energy Utilization (SUN) For Sustainable Development Held at CSIR-NEERI Nagpur, On 23-25 Nov 2015
- Participate in Two-Day Workshop On Advances in Packaging Technology On October 6-7, 2015 held at Department of Paper Technology IIT Roorkee
- Participate in The Webinar Series Rainwater Harvesting, Conducted by IIT Madras from 1-5 June, 2020
- Participate in International Webinar On Microbial Diversity: From Health to Environment Organized by Department of Botany and Microbiology H.N.B. Garhwal University Srinagar (Garhwal), Uttarakhand 27 June 2020
- Participate in International Webinar On Material Synthesis and Characterization (IWMSC-2020) Organized in Department of Department of Physics and Electronics, Dr. Ram, Manohar Lohiya Avadh University Ayodhya UP India, 11-13 June 2020
- Participate in International Webinar On Recent Innovation in Chemical Sciences (RICS-2020), Jointly Organized by Department of Chemistry AKS, (University Satna), M.P. And Govt. P.G. College Chunar (Mirzapur) U. P. India, 18-20 July 2020
- Participate in a National Webinar On Integrated Teacher Education Programme: Challenges and Possibilities” Organized by the Department of Education, Mizoram University on 2nd May 2022
- Participate in a Two Days Online International Symposium on ‘Energy Conservation & Solar Energy’ 15-16 October, 2020, Organized by School of Basic & Applied Sciences, G D Goenka University, Gurugram, Haryana (India)
- International e-Conference on topic “Sustainable Development After COVID-19: Environmental Issues and Challenges” Organized by Department of Zoology and Botany in collaboration with Department of Toxicology C. C. S University, Meerut, held on June 01-02, 2020
- Participate in a Webinar on Response of PRI and CSO of Covid 19: Good Practices and way Forward, Jointly Organized by the National Institute of Rural Development and Panchayat Raj (NIRM & PR), Bihar Gram Swaraj Yojna Society, & Government of Bihar and S. m Sehgal Foundation Gurugram, 27 May 2020
- Participated in National Webinar on “Training on Skill Development Programme for Aatmnirbhar Bharat” under ‘Azadi ka Amrut Mahotsav’ organized by Industrial Waste Management, Department of Vocational Studies & Skill Development, Central University of Haryana, Mahendragarh on 10 June 2021

- Participated in a Quiz competition “Medcinal plants and human Health”, organized by Research and Development Cell in association with the Deptment of Biochemistry, School of Interdisciplinary and Applied Sciences, Central university of Haryana, Mahendergarh, Haryana, 15 December 2022

Research Guidance:

- Three Students of Master of Environment Science Completed their Dissertation
- Four Ph.D. scholars are Doing their Research Work

Member of journal’s editorial:

- Associate Editorial Board Members of Environmental Science Archives journal
- Review Editor of Organic Pollutants and Electrochemical Environment Engineering in the Journal Frontiers in Environmental Chemistry

Other responsibilities (Academic/Administrative):

- Member- Department Admission Committee for B.Tech Admission (PPT, Electrical and CSE) SOET, CUH 2022
- Member- Departmental Admission Committee for B.Tech. Electrical, CUH from July 2023 to till date
- Coordinator of B.Tech. Electrical First Year from July 2023 to till date
- Member-Departmental Research Committee (DRC), and Research Advisory Committee (RAC), Department of Environmental Studies, CUH
- Coordinator of PhD program of Department of Environmental Studies, CUH from Oct 2022 to till date.
- Member of Unnat Bharat, Promotion of Sustainable Material, CUH-2023
- Member of NAAC Criteria (Institutional values and Best Practices), CUH 2022-2023
- Member of Green/Environment Audit Committee, CUH-2023
- Member - Department Purchase Committee 2023-24 SoET, CUH
- Question Paper Setting, Invigilation in End Term Examinations, Proctorial Duties, CUH

(Dushyant Kumar)