

Short Bio: Dr. Shailendra Kumar Yadav

Dr. Shailendra Kumar Yadav is an Assistant Professor in the Department of Environmental Science, School of Earth and Environmental Sciences at Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow, India. His research focuses on urban air pollution, traffic emissions, sustainable transportation, water and wastewater treatment, environmental impact assessment, and smart city waste management.

Dr. Yadav completed his Ph.D. in Environmental Engineering from Delhi Technological University (DTU), New Delhi. His doctoral research examined the formation, growth, and characterization of ultrafine particles in urban traffic microenvironments of Delhi, with particular emphasis on new particle formation, emission sources, and the impacts of environmental policies such as the odd–even traffic scheme and firecracker restrictions. His work contributes to improving the understanding of nanoparticle pollution and its implications for urban air quality management.

He has also served as a Postdoctoral Research Consultant (Senior Research Associate) with the Clean Air Catalyst Programme at the World Resources Institute (WRI), Washington, DC, where he contributed to initiatives aimed at improving urban air quality and promoting sustainable transportation strategies. Earlier in his career, he worked as an Assistant Professor at Park College of Technology, Coimbatore, and as an Environmental Engineer at Environmental Systems Consultancy & Ambient Lab Solutions Pvt. Ltd., Chennai.

Dr. Yadav holds an M.Tech in Environmental Engineering and Management from Pondicherry University and an M.Sc. in Environmental Science from Chhatrapati Shahu Ji Maharaj University, Kanpur. He has qualified UGC-NET in Environmental Science and has received the Rajiv Gandhi National Fellowship from the University Grants Commission.

He has authored several peer-reviewed research articles in international journals and contributed book chapters on topics such as ultrafine particles, urban air pollution, and smart waste management. His academic contributions have been recognized through several awards, including the Research Excellence Award from Delhi Technological University, along with accolades at international conferences and scientific events.