Brief Profile:

Dr. Gaurav Pandey is one of the most recognized experts of Environment and Energy related issues. He is an eminent reviewer, editor, member and fellow of various international journals & bodies. He brings more than fifteen years of multifaceted experience spanning teaching, research, consultancy, faculty development, academic administration, and professional training. His academic and research training encompasses institutions like IIT Delhi, Thapar University, National Physical Laboratory (NPL), The Energy and Resource Institute (TERI) and Forest Research Institute (FRI).

Dr. Pandey is a seasoned academic leader with expertise in academic administration, research leadership, strategic planning, and policy innovation. He has implemented research-integrated teaching to foster innovation-driven academic environments with student-centric initiatives. His strong national and international network across academic, industrial, and governmental sectors secured competitive funding and enables impactful collaborations with global benchmarking. Aligned with the vision of NEP 2020, he has championed multidisciplinary education, flexible learning models, and technology-enabled pedagogy. His active involvement in Research Advisory and Curriculum Development Committees, along with his role as a NAAC and NBA panel expert, underscores his impact on curriculum reform, academic audits, and institutional quality enhancement which are translating policy into practice. His current research is the first to globally demonstrate the successful use of waste biomass - an abundant yet underutilized forest industry residue, for the eco-friendly synthesis of metal oxide nanoparticles (zinc, copper, and titanium) and their application in wood preservation. He is also actively involved in several projects related to wastewater treatment, landfill design, emission estimation, and source apportionment of spatial aerosols and particulate matter.

Dr. Gaurav Pandey has supervised >20 awarded master dissertations and has authored numerous widely cited publications, including peer-reviewed research articles, book chapters, and science communications featured and showcased across academic and public platforms, earning him multiple honors for his scientific contributions. He was awarded the prestigious Diamond Jubilee Research Intern Award (2011) by CSIR, Ministry of Science & Technology, Government of India. He has also been recognized with the Young Scientist Award (2022) by USSTC-UCOST-DIST, Government of Uttarakhand. Earlier in his career, he received the Regional (2003) and District (2002) Child Scientist Awards from the National Children's Science Congress under DST, Government of India.