

Dr. Sharadia Dey

Dr. Dey is an alumnus of the University of Calcutta and the University of Burdwan and she has joined her alma mater, St. Xavier's College (Autonomous), Kolkata as an Assistant Professor in the Department of Environmental Science in the year 2017. She had been an Assistant Professor prior to this at the Bengal Institute of Technology & Management, Santiniketan. Dr. Dey has also been a Postdoctoral Fellow in University of KwaZulu – Natal, Scottsville, South Africa from 2016 to 2017.

Dr. Dey is a Co-Project Investigator for an Indo-Poland joint project titled 'Estimation of the potential impact on human health of cyanobacteria and microalgae and their toxins in the bioaerosols of the coastal zone: A comparative assessment between India and Poland' sanctioned by the Ministry of Science and Technology, Government of India. She is also working in the capacity of Scientific and Technical Partner for a Project titled 'Local Air Quality Management Plan (LAMP) in Kolkata' approved by the Environmental Defence Fund. She has been a recipient of the Best paper presentation Award at the 2nd World Clean Environment Summit in Science City, Kolkata (2018) organized by International Benevolent Research Foundation (IBRF), Kolkata and World Environment Foundation.

She has co-authored a paper titled 'Entropy approach of hydromagnetic Williamson nanofluid flow with Joule heating' in the *International Journal of Ambient Energy* (2023). Another paper she has co-authored has been published in *Nanoscience & Nanotechnology-Asia 2023*, titled 'Impacts of Nanofluids and Nanomaterials on Environment and Human Health: A Review'. She has also co-authored her recent book chapter 'Satellite-Based Estimation of Ambient Particulate Matters (PM_{2.5}) Over a Metropolitan City in Eastern India' in the 2022 book *Mathematics in Computational Science and Engineering*. Her research interests include Air quality and meteorology.