

Poised to Accelerate Research & Development

Research & Development Cell constituted in 2016

To meet complex & intertwined environmental challenges using innovative and latest research technologies



Few Noteworthy R & D Studies

- Indigenous satellite based air quality monitoring
- Methodology for conducting carrying capacity Studies
- Methodology for conducting source apportionment studies
- Modelling techniques for spatial mapping and forecasting of pollutants
- Framework for imposing environmental damage compensation
- Ultrafine particles formation in transport micro environment
- Estimation of trace metals in ambient air and health impacts of fire crackers bursting
- Conversion of Nitrogen Plant to Medical Oxygen
- Co-processing of waste in cement kiln for material and energy recovery
- Compilation of MSDS for the 708+ Hazardous, Toxic and/or Flammable Chemicals
- Mobile tower installations in India & its impact on Environment

Few Noteworthy R & D Studies

- Assessment of impact of lockdown on water quality of river Ganga & Yamuna
- Assessment of Impact of lockdown on Water Quality of Major Rivers
- Assessment of impact of lockdown on air quality in the country and Delhi
- Testing Procedure for Measurement of Lead Contents in Household and Decorative Paints
- Evaluation of modeling techniques for air quality management planning
- Health effects of chronic exposure to smoke from biomass fuel burning in rural households
- Lab scale feasibility study of using Bacteriophage for reduction of enteric Pathogens in domestic sewage & Wastewater Effluent
- Setting up of Biodiversity Parks in Flood Plains of Rivers of India, including River Ganga
- Identification, Inspection and Assessment of Contaminated Sites
- Polluted River Stretches for Restoration of Water Quality -2022