

CSIR-NEERI Nagpur organized a Green Skill Training Program on “Analytical Instrumentation Techniques for Measurement of Environmental Contaminants” during November 18-19, 2025 under CSIR-Integrated Skill Initiative. Dr. S. Venkata Mohan, Director, CSIR-NEERI interacted with participants and addressed issues related with environmental contaminants, importance of analytical techniques, environmental matrix, etc. Dr. Sanjeev Kumar Singh, Senior Principal Scientist & In-charge, SEAF and Course Coordinator welcomed the participants. Dr. Harshvardhan Singh, Senior Principal Scientist & In-charge, SDC highlighted Green Skill Development activities of the institute. Er. G.S. Kanade, Chief Scientist, SEAF & Dr. Kavita Gandhi, Principal Scientist, SEAF and Course Coordinator(s) briefed about course contents. Participants from rural and urban areas of Tamil Nadu, Maharashtra, Telangana, Kerala, Uttar Pradesh, Assam, Rajasthan, Gujarat, Punjab, Karnataka & Madhya Pradesh states belonging to different organizations (AIIMS, IIT, KSPCB, PPCB, etc.) took part in the program, which included technical presentations, practical demonstration of sophisticated environmental analytical instruments and visits to SEAF labs & Pesticide Residual Laboratory.

CSIR-NEERI Scientists (Dr. Sanjeev Kumar Singh, Dr. Kavita Gandhi & Er. G.S. Kanade) and Technical Officers (Er. Vilas M. Shinde, Er. Sagar Nimsadkar, Er. Satish Lokhande & Er. Sera Das) delivered talks / interacted with participants on the topics covering Environmental Contaminants, Sample Collection & Sample Preparation Techniques for Environmental Contaminants and Theory, Principles & Analytical Approach for Organic Analysis Using Gas Chromatography, Mass Spectrometry and made practical demonstrations (Sample processing for organic contaminants, analysis of organic contaminants using GC / GCMS, Trace Metal Analysis by ICP-OES, UPLC for analysis of impurities/ metabolites in complex nature, Mercury Analyzer, CHNS/ TOC Analyzer, FTIR, IC & Dioxin/ Furans Analysis on HR GCMS.

