Dr. Dipanjali Majumdar, Scientist E, CSIR–NEERI Kolkata Regional Centre, delivered an invited lecture on "Environmental Contamination as Low-Visibility Chemical Threats: Implications for CBRNE Preparedness" at International Conference on CBRNE Related Threat to National Security and Safety (ICCTNSS-2026) on 13 March 2026.

Her talk highlighted the need to recognize environmental contamination as a chemical threat and a potential national security concern, both intentional and unintentional. She emphasized on pollutants such as persistent organic pollutants (POPs), including risks arising from their legacy stockpiles and contaminated sites. She discussed the importance of grading chemical threats based on persistence, toxicity, bioaccumulation, and mobility, enabling better prioritization and risk management.

She further underscored the need to integrate environmental monitoring with CBRNE (Chemical, Biological, Radiological, Nuclear, and Explosive) surveillance systems for early detection of low-visibility risks. The lecture also highlighted the role of advanced analytical tools and data-driven approaches in strengthening environmental security.