

Dr. Penumaka Nagababu, Scientist E, Climate Risk, Impacts & Adaptation Division, CSIR-NEERI, delivered an invited talk at the DST-SERB/ANRF-sponsored International Conference on Eco-Adaptive Research for Techno-Sustainability Harmony (IC-EARTH 2026), organized by the Department of Chemistry, S.R.R. and C.V.R. Government Degree College, Vijayawada, Andhra Pradesh.

His presentation, titled “Recent Advances in Emerging Materials for CO<sub>2</sub> Reduction and Wastewater Treatment,” focused on the applications of MOFs and COFs in CO<sub>2</sub> capture and its conversion into CH<sub>3</sub>OH, as well as their role in wastewater treatment, particularly in antibiotic degradation, highlighting ongoing research at CSIR-NEERI.

