Dr. P. V. Nidheesh, Scientist-F, CSIR-NEERI participated in the International Conference on Next-Generation Materials: Sustainable Energy & Circular Resource through Membrane Technologies (ICNGM 2026), organized by the Department of Chemical Engineering, National Institute of Technology (NIT) Tiruchirappalli, Tamil Nadu.

He delivered a keynote address on ‘Engineered Biochar for Persulfate Activation: Mechanisms of Reactive Oxidant Generation,’ highlighting the mechanisms of reactive oxidant generation using metal-doped biochar, its potential applications in sewage treatment, and the challenges associated with treating real industrial effluents. He also chaired a technical session, contributing to scientific discussions and knowledge exchange among researchers and experts in chemical engineering, advanced materials, and sustainable environmental technologies.