Professor B. Raj Mohan, Department of Chemical Engineering, National Institute of Technology Karnataka (NITK), Surathkal visited the Climate Risk, Impacts & Adaptation Division (CRIAD), CSIR-NEERI from 11-13 March 2026 under the DST-Centre of Excellence (CoE) on Carbon Capture, Utilization and Storage (CCUS) project.

During the visit, discussions were held with the DST-CoE team of CSIR-NEERI on several ongoing research activities. These included the development of nanomaterials to reduce energy requirements during the regeneration of spent or CO_2-rich solvents, scale-up of coal fly ash (CFA) conversion to zeolite and functionalization of zeolites for CO_2 capture from humid flue gases at high temperatures, and bioprocesses for CO_2 sequestration. The potential use of ASPEN for chemical process design and development was also discussed. Dr. R. J. Krupadam, Scientist-G and Chair, CRIAD, briefed Professor Raj Mohan about the ongoing work of the DST-CoE and highlighted the targeted outcomes of the Centre's activities.

Professor Raj Mohan also delivered an invited talk on "Potential of Blue Carbon Economy for CO2 sequestration". In his talk, he explained the importance of natural CO2 sequestration, potential of Indian waters for CO2 capture, and the role of seaweeds in enhancing CO_2 sequestration.

Er. M. Karthik, Scientist-F; Dr. S.S. Waghmare, Scientist-F; Dr. P. Nagababu, Scientist-E; Dr. Shilpa Kumari, Scientist-E; Dr. G. Hippargi, Technical Officer, along with project staff and students of CRIAD attended the talk.