



Wednesday Talk Series

Date: Wednesday, September 10, 2025

Time: 04:00 PM-5:00 PM

Venue: Mithal Hall, Department of Earth Sciences, IIT Roorkee



HOLOCENE PALAEOENVIRONMENTAL STUDY AT CHILIKA LAGOON BASED ON SEDIMENTARY ARCHIVES

Speaker: Debajyoti De



Abstract:

Chilika Lagoon, the second-largest lagoon in the world, is a vital wetland of both ecological and economic significance. The lagoon plays a crucial role in maintaining coastal stability and supporting natural ecological processes. It was designated as a Wetland of International Importance under the Ramsar Convention in 1981. The lagoon is increasingly vulnerable to climate change and sea level rise, which pose risks of it transforming into a freshwater body. Understanding its historical dynamics is essential for predicting and mitigating future environmental changes.

Brief introduction:

Debajyoti De is an MHRD fellow of the Department of Earth Sciences, IIT Roorkee, conducting research in Palaeoclimate under the supervision of Prof. Pitambar Pati. He holds his B.Sc. degree in Geology from Asutosh College, Kolkata, and his M.Sc. degree in Applied Geology from IIT Roorkee, Roorkee. His doctoral research focuses on the Holocene Palaeoenvironmental Reconstruction around Chilika Lagoon.