Preethi Sekar
Scientist-C
National Centre for Coastal Research (NCCR)
Ministry of Earth Sciences, Government of India

KEY EXPERTISE

- Developing Shoreline and Inlet Management Plans
- Numerical Modelling of Coastal Processes
- Field measurements for morphology and nearshore coastal processes
- Analysis, Design and implementation of marine structures

EDUCATIONAL QUALIFICATIONS

- **M. Tech.** (2016), IIT Hyderabad, Telangana.
- **B. E.** (2012), Jerusalem College of Engineering, Tamil Nadu

EMPLOYMENT RECORDS

- **Junior Research Fellow**, CSIR-Structural Engineering Research Centre, 2012
- **Project Scientist**, National Institute of Ocean Technology, Ministry of Earth Sciences, 2016-2021
- **Project Scientist**, National Center for Coastal Research, Ministry of Earth Sciences, 2021-2023

MAJOR ACHIEVEMENTS

- Development of Shoreline Management Plans for Puducherry, Tamil Nadu and Andhra Pradesh.
- Numerical modelling of nearshore processes to develop hybrid solution for restoration of beach along Puducherry.
- Numerical modelling for developing coastal protection and inlet management strategies along Andhra Pradesh and Kerala coast
- Field data collection, monitoring of the coast to understand coastal processes to determine suitable management schemes
- Hydrodynamic studies to analyze flow characteristics during the closure of coastal dyke, Kalpasar, Gujarat
- Design and implementation of two coastal observatories in Gulf of Kutch and Khambhat.
- Establishment of desalination plants in Lakshadweep Islands for 6 islands.
- Completed more than 10 consultancy projects.

MEMBERSHIPS

Professional Associations:
➢ Life Member, Ocean Society of India

PUBLICATIONS

➢ 04 National and International Journals
➢ 07 National and International Conferences
➢ 20+ Technical reports