

Satya Kiran Raju Alluri

Scientist-D

National Centre for Coastal Research (NCCR)

Ministry of Earth Sciences, Government of India



KEY EXPERTISE

- Oceanographic Field Data Collection and Analysis
- Modelling of Coastal Process and Offshore Hydrodynamics
- Developing Shoreline and Inlet Management Plans
- Coastal Flood Modelling
- Design and Demonstration of Coastal and Offshore Structures
- Design and Implementation of Desalination Projects
- Environmental Impact Assessment Studies

EDUCATIONAL QUALIFICATIONS

- **M. Tech.** (Civil Engineering) (2010) from Indian Institute of Technology Kanpur, U.P.
- **B.E.** (Civil Engineering) (2008) from S.R.K.R Engineering College, A.P.

EMPLOYMENT RECORDS

- **Scientist 'D'**, National Center for Coastal Research, Ministry of Earth Sciences, March, 2020 - Till date.
- **Scientist 'D'**, National Institute of Ocean Technology, Ministry of Earth Sciences, January, 2019 - March, 2020
- **Scientist 'C'**, National Institute of Ocean Technology, Ministry of Earth Sciences, January, 2015 - December, 2018
- **Scientist 'B'**, National Institute of Ocean Technology, Ministry of Earth Sciences, Apr, 2012 - December, 2014
- **Engineer**, Tata Consulting Engineers Limited, January, 2011 – March, 2012

MAJOR ACHIEVEMENTS

- Design, development and implementation of hybrid solution for restoration of beach along Puducherry City.
- Design and implementation of two coastal observatories in Gulf of Kutch and Gulf of Khambhat.
- Establishment of desalination plants in Lakshadweep Islands for 6 islands.

- Numerical modelling for Chennai Flood Warning System (C-FLOWS).
- Numerical modelling for Integrated Flood Warning System, Mumbai.
- Development of shoreline management plans for Puducherry, Goa and Kerala.
- Development of Inlet Management plans for Pulicat Lake.
- Feasibility studies for development of offshore wind at Tamil Nadu and Gujarat, India.
- Preparation of DPR for Offshore Numerical tank.
- Contribution to development of standards for hydrodynamic loads on Sea-links and Offshore bridges for Indian Road Congress.
- Developed coastal protection schemes for more than 10 vulnerable stretches along the Indian coast
- Completed more than 25 consultancy projects.

MEMBERSHIPS

Professional Associations:

- Associate Member, American Society for Civil Engineers
- Associate Member, Institution of Engineers
- LifeMember, Ocean Society of India
- Life Member, The Indian Society for Hydraulics, India.

Committees:

- Member, Standing Expert committee, Lakshadweep Coastal Zone Management Authority.
- Member, Bureau of Indian Standard, on Cyclone Resistant Structures Sectional Committee, (CED-57).
- Member, Technical Committee for Wind Mast, National Institute of Wind Energy.

PUBLICATIONS

- 02Text Book Chapters
- 08National and International Journals
- 15 National and International Conferences
- 25+ Technical reports.