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Director & Scientist-G

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EDUCATIONAL QUALIFICATIONS

Ph.D. (Ocean Engineering) – Jan, 2008; IIT, Madras

M.Tech (Ocean Engineering) – Jan, 1997; IIT, Madras

M.Tech (Planning) – Jan, 1991; School of Planning, CEPT, Ahmadabad

B.E. (Civil Engineering) – June, 1987; Nagarjuna University, India

EMPLOYMENT

1. **Director**, National Centre for Coastal Research (NCCR), Ministry of Earth Sciences, Government of India
2. **Scientist-G & Group Head**, Ocean Structures & Island Desalination – National Institute of Ocean Technology, Ministry of Earth Sciences, 2013-till today
3. **Scientist-F**, National Institute of Ocean Technology, Ministry of Earth Sciences, 2009-2013
4. **Scientist-F**, ICMAM-Project Directorate, DOD, 2008-2009
5. **Scientist-E**, ICMAM-Project Directorate, DOD, 2003-2008
6. **Scientist-D**, ICMAM-Project Directorate, DOD, 1999-2003
7. **Senior Engineer**, Engineers India Ltd (EIL), Mangalore, 1997-1999
8. **Senior Engineer**, Visakhapatnam Port Trust (VPT), 1991-1997

MAJOR ACHIEVEMENTS

- Customization of Tsunami Model for Early Warning System at INCOIS
- Beach Restoration at Pondicherry and Kadalur Periyakuppam, Tamilnadu
- Chennai Flood Warning System (C-FLOWS)
- Establishment of Desalination Plants in Lakshadweep Islands for 8 islands
- Sealink between Portblair and Rutland for drinking water supply
- Feasibility studies Establishment of Offshore Wind in India at Tamilnadu and Gujarat
- Development of Technologies for Offshore Structural components
- Shoreline & Inlet Management plans for Coastal States: Pulicat and Chilka
- Integrated Coastal Zone Management plan for Chennai, Gulf of Kachchh and Goa
- Ecosystem Modelling for Vedharanyam, Cochin backwaters and Chilka
- No impact zone studies for Pulicat, Tamil Nadu and Coringa in Andhra Pradesh
- Completed more than 100+ consultancy projects
- Training to coastal states, research and educational institutes on Coastal Zone Management, Shoreline Management, Vulnerability mapping due to Tsunami

AWARDS

1. National Geo Science Award 2010. Outstanding contribution in the field of Disaster Management, Ministry of Mines
2. Ministry of Earth Sciences Award 2006. Outstanding contribution in the field of Coastal Processes Modelling
3. American Bureau of Shipping Award for Department Outstanding CGPA 9.80 for M.Tech in Ocean Engineering, IIT Madras.
4. Merit Certificate from Chairman, Visakhapatnam Port Trust, for outstanding contribution in execution of integrated sports and cultural complex

MEMBERSHIP OF LEARNED SOCIETIES

Societies

- **President**, Ocean Society India (OSI) (2016-2018)
- Member International Association for Hydro-Environment Engineering and Research, IAHR
- Member IEEE

Policy/Appraisal Committee

- Member; National Coastal Zone Management Authority, MoEF & CC (NCZMA)- 2015-17; Presently Officiating on behalf of MoES.
- Member; Expert Appraisal Committee of CRZ, Infrastructure & Miscellaneous and New Construction and Industrial Estates Projects, MoEF & CC (2013-2016)
- Member, "Expert Appraisal Committee - **Infra 1** Sector (Infrastructure CRZ and other miscellaneous projects), (2017- 2020) & **Infra 2** Sector: (Ports and Harbours, Airports, Building and Construction projects) (2018 & 2019-2022). MoEF & CC.
- Member, "Expert Appraisal Committee to deal with violations of EIA notification 2016 MoEF & CC (2017-2020)
- Member, Delineation of Eco Sensitive Zones around the National Parks and Wildlife Sanctuaries in Andaman and Nicobar Islands, 2016.
- Member, Pondicherry Coastal Zone Management Authority, PCZMA (2012-18,2018-2021)
- Member, Governing Council (GC), National Institute of Ocean Technology, NIOT (2017-2020)

Technical/Codal review Committee

- Member, Research Advisory Committee, CMLRE (2017-2020)
- Member, Research Advisory Committee, NCESS (2015-2017)
- Member, Ocean State Forecast Projects INCOIS.
- National Expert, Climate Resilient Coastal Protection and Management Project, CWC

- Lead Member, Committee to develop strategies for opening tidal inlet at Pulicat, CWC and PMO.
- Member Task Force for Development of Coastal Protection and Management Plan for Gujarat coast, Govt. of Gujarat
- Member, Bureau of Indian Standards, Ports, Harbours and Offshore Installation Sectional Committee (CED-47)
- Member, Bureau of Indian Standard, on Cyclone Resistant Structures Sectional Committee, (CED-57)
- Member, Indian Road Congress (IRC) committee on Specialized Bridge Structures including Sealinks (B9)
- Member, Indian Road Congress (IRC) committee on Loads and Stress (B2)
- Chairman, Technical Evaluation and Monitoring Committee for sub-structure work for mounting the LIDAR in the Gulf of Khambhat, Gujarat State
- Chairman, Technical Committee for Technology refreshment of IT infrastructure at Tsunami Warning Centre including integration and Migration of Tsunami application of software
- Chairman, "Technical Evaluation and Monitoring Committee for sub-structure work for mounting the LiDAR in the Gulf of Khambhat, Gujarat State", MNRE-NIWE.
- Chairman, "Standing Technical Committee (STC) to examine the specification of Equipment / materials, MNRE-NIWE.
- Guided/reviewed doctoral and masters students, external member for viva voce examination of doctoral and masters students at IIT, Universities

PUBLICATIONS

- 45+ publications in national and international referred journals.
- 50+ publications in national and International proceedings.
- 20+ Technical reports
- 45+ Delivered talk in workshops and International Working Groups