

Bio Blurb



Dr. R. Venkatesan has 33 years of experience in the field of ocean science technology and is currently working as a Scientist G & Program Director - Ocean Observation Systems, National Institute of Ocean Technology Chennai. He is responsible for planning and coordination and implementation of ocean observation systems activities of NIOT. He has successfully established tsunami buoy network for tsunami early warning in Indian waters.

He received his M. Tech Degree from Karnataka Regional Engineering College and was awarded Ph.D. degree from the Indian Institute of Science, Bangalore and continued his academic pursuit to complete courses in Marine Environmental Pollution and Management and International Business Management from IIFT New Delhi.

He led delegation to attend meetings in United Nations New York, and other UN Organizations such as UNEP Kenya, UNESCO IOC and World Meteorological organization. He travelled to more than 33 countries. He served as Regional Coordinator under UNEP for five south Asian countries India, Sri Lanka, Maldives, Pakistan & Bangladesh.

He led team to Arctic close to South Pole of earth to successfully install India's first ever Arctic Moored observatory.

He is a recipient of many distinguished awards such as

1. NRDC National Award - Societal Innovation award 2015
2. NACE NIGIS Indian Section Meritorious Award 2013
3. NDRF National Design Award Institution of Engineers 2009
4. Award of recognition of Institution of Engineers Karnataka Chapter 2008
5. MOSCOT National award - Electrochemical Society of India, IISc 2007
6. State Scientist Award- Engineering & Technology, 2006
7. Best Ph D Thesis Award : NACE Award for the year 2001- 02 by ONGC
8. Gold Medallist in School leaving Certificate 1978

His international positions include-

- ✚ Steering Committee Member (Asia/Oceania) of Global Ocean Observation System **GOOS of UNESCO IOC** Paris nominated by Government of India
- ✚ Elected to Chair ITP Data buoy Cooperation Panel of UNESCO IOC and WMO
- ✚ National Consultant on Oil spill contingency plan for SACEP -NORAD- IMO project nominated by Government of India
- ✚ Chairman of Marine materials committee of Marine Technology Society USA

National

- ✚ Chairman IEI Kanchipuram
- ✚ Chairman IEEE OES India Section
- ✚ Chairman of MTS India Section
- ✚ Vice President of NACE South India section
- ✚ Member of committee for SME by Confederation of Indian Industry

He had christened and executing a student AUV competition wherein winning student team is deputed to USA to participate in the International competition. He has guided students for Masters Degree dissertation and PhD.

He enjoys working on projects having direct relevance to the society such as real time data from moored buoys for cyclone and tsunami for coastal hazard warning and successfully executed societal programmes to support livelihood of coastal fishermen. He also organized Coastal cleanup campaign in India as a part of International coastal cleanup day.

He is working on many collaborative projects both national and international level with leading Universities in USA on a collaborative project to study monsoons in the Bay of Bengal. He has a special interest on Biomimics and his team has developed a Robofish mimicking fish to swim in waters and has worked on Bio adhesive of marine organisms.

He is a member of NIOT IIT Madras Cell; Member of Board of Research in AMET University; member of DST - Innovative and entrepreneurship development Cell of Sai Ram Institute of Technology, Member of board in ASAN Institute of Technology.

In his long career he has the opportunity to execute many innovative projects and to mention a few Construction of OTEC Platform, Installation of deep sea Fish Aggregation devices, Establishment of marine sciences research facility and national data buoy programme and also worked with Industry on Biofouling in Thermal power plants and sailed on board the Ships/boats on research cruises and also evolved and executed projects for UNDP/EU/IMO UNEP on Blue Flag beach certification in South Asia, coral reef management, Marine data collection and management and for IMO on training on MARPOL/HNS conventions.

He has to his credit 70 papers published in journals and 135 papers in conferences/seminars and has delivered many invited lectures in conferences. He has co authored two books on marine and industrial fouling by Springer Germany and Polymers in a marine environment by ISmithers UK.

He has academic interest and is also teaching Ocean Law and ocean observational techniques at Indian Institute of Technology Madras, IIT Bhubaneswar and IIT Kharagpur as an Adjunct Professor.

He is working on diversified field and wishes to continue his endeavor to look at newer avenues and prefers to work in team.