



Dr. Aneesh Lotlikar



Dr. Aneesh Lotlikar obtained his Master's degree in Marine Sciences in 2002 from Goa University. He joined Indian National Centre for Ocean Information Services (INCOIS) in June 2007. He was awarded with the Ph.D. degree in 2009 from Department of Marine Sciences, Goa University. His research areas include marine optics and ocean colour remote sensing. At INCOIS, he significantly contributed towards operational and research aspects using satellite remote sensing.

Currently, he is Scientist-D & In-charge of Ocean Colour Applications. He played a key role in executing Satellite Coastal and Oceanographic Research (SATCORE) programme during XI and XII-five year plan. As a part of the programme, Dr. Lotlikar has established and managed eleven time-series stations in Indian coastal waters since 2009. The voluminous data from these stations were utilized for validation and improvement of bio-optical algorithms, defining bands for ISRO's future ocean colour mission, OCM-3, validation of bio-geo-chemical model and process studies.

Dr. Lotlikar has also established an Automatic Data Processing Chain for near-real time processing and dissemination of ocean colour satellite data products to Indian Ocean rim countries. The data products are used operationally, at INCOIS, for demarcating Potential Fishing Zone. In addition, Dr. Lotlikar is generating value added products for detection of high biomass algal blooms in Indian Ocean.

Dr. Lotlikar has established an analytical laboratory at INCOIS for analysis of optical and water quality parameters. The laboratory is equipped with the sophisticated instruments such as High Performance Liquid Chromatography (HPLC), spectrophotometer, particle size analyzer, fluorometer, etc. His research has been published in several national (17) and international (31) journals of repute.

Dr. Lotlikar is member of sub-committee for Oceanographic Applications and Research constituted for coordination of joint activities between MoES and ISRO. He is also a part of internationally linked research programmes such as Indian Ocean - Global Ocean Observation System (IO-GOOS), Chlorophyll Global Integration Network (ChloroGIN), Ocean Mixing, Monsoon (OMM) and Bay of Bengal Boundary Layer Experiment (BOBBLE) and NOAA-MoEs collaboration to develop predictive capability of harmful algal bloom in the Indian seas.

Dr. Aneesh Lotlikar is awarded the Certificate of Merit for his outstanding contributions in the field of Ocean Science and Technology.