

**Dr. K.M.Santosh**

**Area of Specialization: Ocean Remote Sensing**

<b>Educational Qualification</b>
M. Sc. Oceanography ; Ph.D. in Bio-Science
Thesis title: "Studies on chlorophyll and production in relation to fisheries off- Mangalore region of the Arabian Sea by using both in-situ and satellite data" - Mangalore University

<b>Contact</b>
Department of Physical Oceanography, School of Marine Sciences, Cochin University of Science and Technology Cochin - 682016, Kerala, India.  Phone : (off) 0484 2363207(mob) 8089311057; 9447156552 Email : dr.santoshkannur@gmail.com

<b>Employment History</b>	
<b>Name of the Institute</b>	<b>DESIGNATION</b>
Cochin University Of Sci.ence & Technology , Cochin-16 India	Assistant Professor
Dept. of Meteorology Arba Minch University, Ethiopia	Associate Professor- A UNDP assignment.
Center for Environment and Water, Research Institute King Fahd University of Petroleum & Minerals, Ministry of Higher Education, Saudi Arabia.	Remote Sensing Specialist
Marine Satellite Information Service, Central Marine Fisheries Research Institute, Govt. of India, Cochin -682016, India.	Project Scientist
National Remote Sensing Agency,Dept. Of Space, ISRO, Hyderabad	Project Scientist
Department of Fishery Environment and Ecology, College of Fisheries, Mangalore, 575002, India.	Senior Research Fellow

<b>Subjects Taught</b>
Oceanography (Ocean Dynamics, General Oceanography, Dynamic & Physical Oceanographic Computations) Satellite Oceanography, Remote sensing and GIS Satellite Meteorology & Weather Radar, Application of Remote sensing technology to Marine Fisheries.

### Participation in Research Projects ( Since 1991)

1991-1996: Ocean Related Remote Sensing Programme - Sponsored by Department of Ocean Development, Gov. of India.

1999-2002: Studies on Sediment Movement and silting in the Approach Channel Areas of Certain Important Ports Situated in Dakshina Kannada Coast using Satellite Remote Sensing Methods – Sponsored by Indian Space Research Organization (ISRO).

2002-2003: Ecological monitoring in the Arabian Sea off Mangalore receiving treated effluents from M.C.F. Ltd. - Sponsored by M.C.F. Ltd.

2003-2004: Oceanographic Survey in support of the Marine and Coastal Damage Assessment – Sponsored by United Nations Compensation Committee (UNCC).

### Academic assignments and responsibilities

Member of P.G. Curriculum Standardization Committee, Arbaminch University, Ethiopia.

Member of Examination Review Committee, Arbaminch University, Ethiopia.

Examiner and advisor for P.G. student's research programme, Arba Minch University & Cochin University, India.

Reviewer of Indian Journal of Marine Sciences in the Ocean Remote sensing area.

Question paper Setter for University.

Faculty in the area of Remote Sensing & GIS for the National level training programme on "Climate Change & Spatial Technology" organized by Council of Scientific and Industrial Research, Gov. of India, New Delhi.

### Publications

Thirteen research publications in the area of specialization in various journals and proceedings.

#### **Co-Editor and one of the author's of the books entitled**

- 1) Climate Change and Himalayan Informatics (ISBN: 978-81-7233, publishers: Scientific Publishers (India), Publishing Year: 2013.)
- 2) Climate Change and Himalayan ecosystem – indicator, bio and water resources (ISBN : 978- 81-7233, publishers: Scientific Publishers (India), Publishing Year: 2013 )
- 3) Climate Change and Himalaya (ISBN : 978- 81-7233, publishers: Scientific Publishers (India), Publishing Year: 2013 )
- 4) Geospatial Technologies and Climate Change ( ISBN 978-3-319-01688-7, **Springer**; Publishing Year: 2014)

<b>Participation in Conferences, Workshops , Training Programs , Sea cruises etc.</b>
Attended ten national workshops and five International conferences (Important are listed below)
Attended a training programme on Integrated Coastal Zone Management sponsored by Indian Council of Agriculture Research, Gov. of India.
Attended a training programme on computerization of data and it's management using the relational data base management system (INGRES) and other related software's in National Institute of Oceanography, Goa.
Attended a training programme on ROMS Organized by Ocean Society of India jointly with CORAL, IIT, Kharagpur.
Attended India-EU workshop – Monsoon and Ocean variability, Climate change and Sea level variations from 11-13 Nov. 2013, Kochi, India.
Attended brain storming workshop on Mud Banks of Kerala organized by NIO, in Cochin during 20-21 January, 2014.
Gave invited lecture on climate change in the International conference on climate change & Himalaya held during 28-31 <sup>st</sup> 2013 in New Delhi, India.
Participated 9 cruises which includes Arabian Sea, Bay of Bengal & Arabian Gulf. Operated CTD, ADCP & Radiometer on board.
Given training on application of Remote Sensing & GIS to Agriculture for Agriculture Officers of Central Zone, Kerala.