

Dr. R. S. Kankara

**Scientist-F & Group Head, CP&SM Group
National Centre for Coastal Research (NCCR)
Ministry of Earth Sciences, Government of India**



EDUCATIONAL QUALIFICATIONS

Ph.D. (Coastal Zone Management), Anna University, Chennai 2006

Certificate in Computing (CIC), IGNOU, New Delhi 1996

B.Ed. (Education), Agra University, AGRA, 1991

M. Phil. (Mathematics), specialization in Fluid Dynamics, Agra University, AGRA, 1990

M.Sc. (Mathematics), specialization in Hydro Dynamics, Agra University, AGRA, 1989

EMPLOYMENT RECORDS

1. Scientist F (National Centre for Coastal Research, Chennai), 2013 - till date
2. Scientist E (National Centre for Coastal Research, Chennai), 2008 - 2013
3. Scientist D (National Centre for Coastal Research, Chennai), 2003 - 2008
4. Scientist C (National Centre for Coastal Research, Chennai), 1999 - 2003
5. Research Assistant, (CWPRS, Pune, M/o Water Resources), Mah. 1993 - 1999

MAJOR PROGRAMS & ACHIEVEMENTS

1. Coastal Processes, Sediment transport and Shoreline vulnerability mapping for Indian coast (2013 onwards)
2. National Focal Point for implementing IMO-SACEP-NORAD project for "Enhancing regional co-operation mechanisms on marine oil pollution preparedness & response in SACEP region" (2014-2017)
3. Oil Spill trajectory Modelling and sensitivity mapping for selected locations along Indian coast (2008-2012)
4. Shoreline management studies at selected locations along, Odisha, Kerala and Karnataka coast (2003-2012)
5. Development of Storm Surge inundation modelling system for Andhra coast (2008-2012)
6. Tsunami modelling and vulnerability mapping for Indian coast using CARTOSAT data for 5 potential sources: (2009-2012)

7. Tsunami modelling and vulnerability assessment for Makran source: (2005-2008)
 8. Tidal inlet management for Mangalore coast and Shoreline management Paradip / Gahirmatha /Rushilulya along Odisha coast (2003-2007)
 9. Development of model ICMAM plans for Gulf of Kachchh, Goa and Chennai to address the conflicting issues (2000-2003)
 10. Pre-feasibility modelling study on hydrodynamic, sediment transport and water quality impact assessment for Kalpasar project (Gulf of Cambay) [1998-99]
 11. Hydrodynamic & salinity modelling to improve the salinity in Chilka Lake [1994-98]
 12. Modelling studies for all weather port at Alwadi, Tarapur and fish landing centre at Ponnani (Maharashtra) [1996-97]
 13. Hydrodynamic and sediment transport model studies for RO RO/LO LO jetties, intake channel and cooling water system at Sikka, Motikhvadi and Sikka, Jamnagar, Gujarat [1995-97]
 14. Field investigations and numerical modelling studies for shoreline development for Ennore Port (Tamilnadu) fish landing centers at Sarjekot (Maharashtra) and port development at Dabhol (Maharashtra) [1993-1994]
- ✓ Development of a coastal change system to provide required information related to coastal development, impact assessment of extreme events and climate change (SLR) on the shoreline and its management aspects
 - ✓ Developed Shoreline change maps for entire Indian coast in 1:25000 Scales using 26 years data). The digital Atlas was released [2018]
 - ✓ Contributed significantly in updating "Oil spill contingency plan for SACEP regional oil and chemical pollution" for SACEP [2016]
 - ✓ Prepared a report on "Coastal erosion along Indian coast" for MoEF for a Policy decision on moratorium of port development & New Port Policy [2009]
www.moef.nic.in/sites/default/files/Coastline_OM.pdf
 - ✓ Development of Oil Spill trajectory model to support Coast Guard in accidental oil spill management and implemented at INCOIS [2006]
<http://pib.nic.in/newsite/erecontent.aspx?relid=21938>

PUBLICATIONS

- 30+ publications in national and international referred journals.
- 40+ publications in national and International proceedings.
- 20+ Technical reports
- 50+ Delivered talk /lectures in workshops / symposiums/ training courses, and
- 10+ Training courses conducted on various aspects of coastal management