

Dr. Uma Sankar Panda

Scientist-E

National Centre for Coastal Research (NCCR)

Ministry of Earth Sciences, Government of India



EDUCATIONAL QUALIFICATIONS

- **PhD, Marine Sciences** (Oceanography), awarded from Berhampur University, Odisha, India (2009). Thesis “Modelling Water Quality and Spatial Information system on Chilika Lagoon”.
- **M.Phil., Marine Sciences** (Physical Oceanography), awarded from Berhampur University, Odisha, India (2006). Thesis “Study of Tropical Cyclones along Orissa coast using Mesoscale model”.
- **M. Sc. Marine Sciences** (Physical Oceanography) (1999) from Berhampur University, Orissa (First Position)
- **B.Sc. Physics** (Hons) (1997) from Berhampur University, Orissa

EMPLOYMENT RECORDS

- **Scientist ‘E’**, NCCR, Ministry of Earth Sciences, India July, 2017- Till date
- **Scientist ‘D’**, ICMAM-PD, Ministry of Earth Sciences, India July, 2013- June 2017
- **Scientist ‘C’**, ICMAM-PD, Ministry of Earth Sciences, India June, 2009- June, 2013
- **Senior Research Fellow**, CSIR- India at Berhampur University, April 2006- Dec., 2008
- **Junior Research Fellow**, DST, Berhampur University, July 2003-March 2006
- **Junior Research Fellow**, DOD, Berhampur University, Mar 2001-Jun 2003

PROFESSIONAL EXPERIENCE AND SKILLS

- Software exposure: OS (Windows/Linux), Numerical Models (DHI Mike 21&3, WASP 7x, CEDAS, ROMS-CROCO and Delf3D), Matlab, STATISTICA, Surfer, OriginPro and Ferret
- Ship Board Experience: Participated and conducted in several oceanographic surveys in coastal Ocean and Estuaries.
- Oceanographic deployments of wave rider buoy, ADV, current meter, tide gauge; data retrieval and utilization for scientific analysis. Collection and utilization of field data on shoreline, beach profile, littoral environmental observations (LEO), bathymetry survey and sediments.

RESEARCH AREAS

- Biogeochemical modelling in estuarine and coastal waters.
- Nearshore hydrodynamics and sediment transport studies.
- Coastal geomorphology and shoreline change studies.
- Inlet dynamics of coastal lagoons and estuaries.
- Impact assessments of marine outfalls and dispersion.

AWARDS AND SCHOLARSHIPS

- Ministry of Earth Sciences Award 2014: Certificate of Merit for Outstanding contribution in the field of Ocean Sciences
- Senior Research Fellowship, CSIR, India (2006-2008)
- Junior Research Fellowship, Department of Ocean Development, India (2003-2005)
- Junior Research Fellowship, Department of Science and Technology, India (2001-2003)
- Jawahar Navodaya Vidyalaya Fellowship (1987-1994)

PUBLICATIONS

- 17 publications in national and international referred journals.
- 20 publications in national and International proceedings.
- 10 Technical reports
- 10 invited talk
- 38 presentation in conference/symposia
- 12 Masters Dissertation/Thesis Guidance