



Training programme on

Remote sensing of Ocean Colour

Date : 18-22 March 2024

Venue : Department of Chemical Oceanography, CUSAT

Organised by
**Department of Chemical Oceanography,
School of Marine Sciences
Cochin University of Science and Technology (CUSAT),
Cochin 682016, India**
&
Ocean Society of India (Cochin Chapter)



The Kerala State Higher Education Council
കേരള സംസ്ഥാന ഉന്നതവിദ്യാഭ്യാസ കൗൺസിൽ



Overview:

The program aims to equip young researchers with both theoretical knowledge and practical skills in the field of ocean color remote sensing. Through a combination of theoretical lectures and hands-on sessions, participants will gain a comprehensive understanding of the principles underlying ocean color remote sensing and learn how to effectively utilize related tools. Additionally, the program will familiarize students with various Indian Ocean color sensors, as well as provide guidance on accessing and utilizing ocean color data for diverse applications.

About the Department of Chemical Oceanography

The Department of Chemical Oceanography boasts a wealth of expertise in hydrochemical analysis spanning over five decades. The department comprises highly qualified and experienced scientific personnel, supported by state-of-the-art analytical facilities. Among our extensive array of equipment are LCHRMS, GCMSMS, UV-VIS Spectrometers, ICP-AES, AAS, GCFID, HPLC, GCMS, LCMS, FTIR, Electrophoresis, High-Speed Centrifuge, Rotary Evaporator, and more. With a dedicated focus on studying various facets of ocean processes and pollution, our department actively investigates the sources and fate of marine emerging pollutants. The Department conducts MSc. Hydrochemistry and PhD programmes. The Department welcomes collaborative tie ups, chemical analysis, consultation works and short term specialised instrumentation training programmes.

Course Content

- Introduction to Ocean Colour
- Fundamentals of Ocean Bio-optics and Ocean Colour Remote Sensing
- Phytoplankton Functional Types
- Remote Sensing of Water Quality and Public Health
- Climate Change and Ocean Colour
- Indian Ocean Colour Sensors
- Data Access and Availability
- SeaDAS, SNAP
- Ocean Colour Cal-Val : Bio-Argo
- Bhuvan Portal / Bhoonidhi use applications

Keynote Speaker

Dr. Prakash Chauhan, Director, NRSC-ISRO

Invited speakers/Faculty

Dr. Nagamani P V, Scientist-SG, NRSC-ISRO

Dr. Aneesh Lotliker, Scientist-F, ESSO- INCOIS

Dr. G. Srinivasa Rao, Dy. Director, ECSA, NRSC-ISRO

Dr. Mohammed Suhail, NRSC-ISRO

Dr. Abhinav Gummalla, NRSC-ISRO

Dr. Thumu Devi Varapasada Rao, NRSC-ISRO

Dr. Jayaram Chiranjivi, Scientist-SF, NRSC-ISRO

Dr. Rajdeep Roy, Scientist-SF, NRSC-ISRO

Dr. Shaju S S, Assistant Professor, CUSAT

Dr. Nandini Menon, Scientist, NERCI, Kochi

Dr. Ranith R, Scientist, NERCI, Kochi

Who can apply?

Researchers, teachers, technicians and early career scientists who would be able to bring their own laptops for the training programme.

Application Process:

Please fill in the application form given below:

<https://forms.gle/ocnbEgyY6cVLzzMp6>

The applications will be scrutinised and 25 applicants will be selected for the training.

Course Dates: March 18- 22, 2024

Course Fee: Rs. 2000/- (Non-refundable)

Payment mode: Online

Deadlines:

Last date for the online application: March 12, 2024

Intimation of selection: March 15, 2024

Fee waiver:

Application fee will be waived for a limited number of students, based on the quality of applications and availability of funds.



Organising Committee

Patron: Prof. (Dr.) P. G. Sankaran, Hon'ble Vice-Chancellor, CUSAT

Chairman:

Dr. Shubha Sathyendranath, Brain Gain Scholar, CUSAT

Co-ordinator:

Dr. Shaju S. S., Head, Dept. of Chemical Oceanography

Joint co-ordinators:

Dr. Habeeb Rahman K., Asst. Professor, Dept. of Chemical Oceanography

Dr. Jorphin Joseph, Asst. Professor, Dept. of Chemical Oceanography

Practical Training co-ordinators:

Dr. Ranith R, Scientist, NERCI, Kochi

Dr. Abhinav Gummalla, Scientist, NRSC-ISRO

Contact Details:

Head,

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