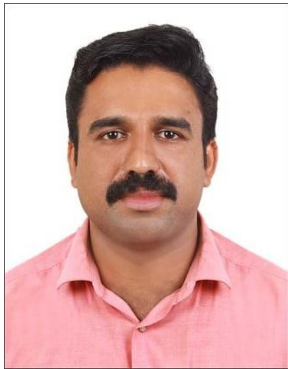


## FACULTY PROFILE



### Dr. Phiros Shah

Assistant Professor & Head (i/c),

Dept. of Oceanography,

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Ph.D (CUSAT)

Physical Oceanography

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Dr. Phiros Shah is an Assistant Professor in Physical Oceanography at the Faculty of Ocean Science and Technology, Kerala University of Fisheries and Ocean Studies (KUFOS), where he has been serving since August 2019. His academic and research journey spans over 14 years with a particular focus on coastal/shelf ocean dynamics and biophysical interactions.

Dr. Shah's research primarily investigates the effects of episodic wind events on shelf dynamics, including the upwelling and downwelling processes that influence pelagic fishery productivity. His work has involved extensive field studies and data analysis, aimed at understanding the temporal and spatial variability of these oceanographic phenomena. His expertise also extends to teaching, where he educates postgraduate students in subjects such as Geophysical Fluid Dynamics and Descriptive Physical Oceanography.

Before his tenure at KUFOS, Dr. Shah held research positions at several prestigious institutions in India, including the National Institute of Ocean Technology (NIOT), Central Marine Fisheries Research Institute (CMFRI), and Indian Institute of Science (IISc), Bengaluru. His work has been recognized with awards for best papers at international conferences, and he has been elected to academic councils at both Cochin University of Science and Technology (CUSAT) and the Kerala Institute of Hydrography and Advanced Studies (KIHAS).

Dr. Shah is currently leading multiple research projects, including those funded by the Ministry of Earth Sciences (MoES) and the Department of Science and Technology (DST). His ongoing research continues to address critical issues in oceanography, contributing valuable insights into coastal processes and marine resource management. Through his academic and research endeavors, Dr. Shah is making a substantial impact on the field of marine science.

## **Teaching:**

- ❖ Geophysical Fluid Dynamics
- ❖ Dynamical Oceanography
- ❖ Descriptive Oceanography

## **Research Areas:**

- Dynamical Oceanography
- Coastal Oceanography
- Fisheries Oceanography

## **Key Management Roles:**

- Head in-charge Dept. of Oceanography
- Course Coordinator, M.Sc. Physical Oceanography, M.Sc. Applied Geology
- Member of Academic Council, Cochin University of Science and Technology (CUSAT), India for the year 2015-2016.
- Member of Academic Council, Kerala Institute of Hydrography and Advanced Studies (KIHAS) from 2019.

## **Publications:**

- Research Gate: <https://www.researchgate.net/profile/Phiros-Shah>
- Google Scholar: <https://scholar.google.com/citations?user=5v56t0YAAAAJ&hl=en&oi=sra>

### **Awards & Achievements:**

- **Best paper award** for the paper entitled "Utilizing satellite remote sensing data and oceanographic information for Identifying cage aquaculture sites and scheduling cage management"- 5th International symposium on Cage Aquaculture in Asia, CAA5- November 2015.
- **Best paper award** for the paper entitled "Variability in thermal front formation and its impact on fisheries of the south eastern Arabian Sea" - 11th IFAF Conference 2017.
- **Member of Academic Council**, Cochin University of Science and Technology (CUSAT), India for the year 2015-2016.
- **Member of Academic Council**, Kerala Institute of Hydrography and Advanced Studies (KIHAS) from 2019.

### **Ongoing Projects:**

- Principal Investigator :- NCCR-MoES funded project entitled "**Coastal hydrodynamics and sediment transport along the Kerala coast- an Integrated approach**"
- Co- Principal Investigator:- INCOIS funded project entitled "**Observations on ocean state and pelagic fishery off Kerala coast for the validation of PFZ and satellite data**"
- Co- Principal Investigator:- DST-SERB project entitled "**Mycosporine – like amino acids from Corals and associated Dinoflagellates- Their Role in Preventing Coral Bleaching- A case study of Lakshadweep Archipelago**"

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