

Future Focus

To integrate climate change science to the development process we must ensure transdisciplinary research for long-term monitoring and management to conserve and sustainably use the marine biodiversity resources. The following activities have been planned for the coming years:

- Systematics, ecology and biology tropical freshwater and marine shrimps Western Ghats, Gulf of Mannar (GOM) and Lakshadweep.
- To understand the ecological interactions between seagrass, macroalgae, fish assemblage and coral recruitment at GOM.
- Integrating AI and ML in ecological modeling and predicting the process and vulnerability of future climate change in the marine and coastal ecosystem.
- Exploring the Vector Borne Diseases along the coastal TN and Urban Lake management for Chennai.

Funding Sources



Contact Us

Dr. S. Prakash

Dr. Amit Kumar

Associate Professor(s)

Sathyabama Institute of Science and Technology

Chennai – 600119, Tamil Nadu, India

Email: training.ccs@gmail.com

Website: www.centreforclimatechangestudies.com

X : @SathyabamaS

CENTRE FOR CLIMATE CHANGE STUDIES



Information Brochure



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Jeppiaar Nagar, Rajiv Gandhi Salai,

Chennai-600119

www.sathyabama.ac.in

&

SATHYABAMA MARINE RESEARCH STATION

Rameswaram

Centre for Climate Change Studies

Vision and Mission

To steer the climate change science towards innovation and adaptation research and training to protect the tropical marine ecosystem.

To build human capacity to address the impact of climate change on marine ecosystem through teaching, developing innovative technologies, action-oriented research, and through community participation. Providing expert advice for national and regional policy formulation and implementation.

About us

The Centre for Climate Change Studies (CCCS) at Sathyabama Institute of Science & technology was established in the year 2011 in International Research Centre (IRC) with the primary mandate of investigating the impact of predicted climate change on marine organisms associated to various ecosystems like Coral reefs, Seagrass meadows, Seaweeds, Intertidal zones and Mangrove ecosystems etc.

Ongoing Research Activities

To strengthen our vision and mission statements the following research activities have been undertaken:

1. Implications of climate change on natural life history traits of tropical caridean shrimps.
2. Contribution of seaweed towards sustainable future by playing a role in climate change mitigation and adaptation.
3. Systematics and diversity of marine fishes and invertebrates in Gulf of Mannar Biosphere Reserve, Tamil Nadu and Lakshadweep.
4. Diversity and assessment of sharks and rays along the Indian Coast.
5. Chasing corallimorpharian infestation in the corals of Lakshadweep.
6. Understanding seagrass interactions and breeding in respond to climate change in the Dugong Conservation Reserve, Palk Bay.

The centre is also instrumental in spreading awareness about conservation of marine ecosystem to schools and teachers through the citizen science program.

Centre is also managing Sathyabama Marine Research Station (SMRS) at Rameswaram

Centre's Outdoor Activities



Shark and ray awareness and conservation at Blue Flag Beach



SCUBA diving at Lakshadweep



Field courses for researchers and conservationists



Long-term monitoring of biogeochemistry in Covelong coast



Extension and outreach to school and college students

Our Team

Dr. S. Prakash, M.Sc, Ph.D - Associate Professor & Head

Dr. Amit Kumar, M.Sc, Ph.D - Associate Professor

Ms. K. Kunjulakshmi, M.Sc. - Scientific Assistant

Ms. M. S. Silpa, M.Sc. - Scientific Assistant

Our Collaboration

The centre for climate change studies is actively collaborating with various national and international research centers such as the Stazione Zoologica Anton Dohrn, Italy; Antwerp University, Belgium; Clemson University, USA; ICAR-NBFGR, India; Zoological Survey of India, Kolkata, IISER – Kolkata, several NGOs working in marine conservation.

Industrial partners:

Amazing Biotech Ltd.

Glass Tank Sciences Pvt Ltd.

HALOCOLOR