

## Advisory Committee Members

### School of Marine Sciences

#### Department of Marine Science

**Dr. N. MANOHARAN**, Professor and Head

**Dr. R. ARTHUR JAMES**, Professor & Chair

**Dr. R. RAJARAM**, Professor

**Dr. V. YOGANANDAN**, Associate Professor

#### Department of Marine Biotechnology

**Dr. K. ANBARASU**, Professor

**Dr. A. INDHUMATHI**, Guest Faculty

**Dr. R. PRADEEPA**, Guest Faculty

**Dr. K. SENTHIL KUMAR**, Guest Faculty

### School of Environmental Sciences

#### Department of Environmental Biotechnology

**Dr. M. GOVINDARAJU**, Professor

**Dr. T. SIVASUDHA**, Professor

**Dr. S. ACHIRAMAN**, Professor

**Dr. M. VASANTHY**, Professor

**Dr. S. UMAMAHESWARI**, Assistant Professor

#### Department of Environmental Management

**Dr. R. MOHANRAJ**, Professor

**Dr. N. D. SHRINITHIVIAHSHINI**,  
Associate Professor

## Chief Patrons

**Tmt. E. SUNDARAVALLI, I.A.S.,**  
Convenor, VC Committee, BDU

**Dr. V. RAJESH KANNAN**  
Member, VC Committee, BDU

**Dr. R. SAKTHI KRISHNAN**  
Member, VC Committee, BDU

**Thiru. A.R. RAHUL NADH, IAS.,**  
Director- DoECC, Govt. of Tami Nadu

## Patrons

**Dr. R. KALIDASAN**  
Registrar i/c, Bharathidasan University, Trichy-24

**Thiru. VIVEKKUMAR PRASANTH YADAV, I.F.S.,**  
Assistant Mission Director- DoECC,  
Govt. of Tami Nadu

## Organizing Committee

**Dr. S. RAJAKUMAR**  
Associate Professor & Head, Department of Marine  
Biotechnology, Bharathidasan University, Trichy-24

**Dr. P. SANTHANAM**  
Professor, Department of Marine Science,  
Bharathidasan University, Trichy-24

**Dr. M. PRASHANTHI DEVI**  
Professor & Head, Department of Environmental  
Science and Management, Bharathidasan University,  
Trichy-24

**Dr. K. THAMARAISELVI**  
Professor & Head, Department of Environmental  
Biotechnology, Chair-School of Environmental  
Sciences, Bharathidasan University, Trichy-24

**Contact :** 9600342290, 9894223482

## National Level Workshop on

# Empowering Sustainable Climate Champions : Actions for a Greener Tomorrow

Blue Climate Sustainability Towards A Resilient Future



**20<sup>th</sup> March 2025**

**Jointly Organized by**  
**School of Marine Sciences &**  
**School of Environmental Sciences**  
**Bharathidasan University**  
**Tiruchirappalli- 620 024.**  
**&**  
**Department of Environment and**  
**Climate Change**  
**Govt. of Tamil Nadu, Chennai-600 035.**

## About Bharathidasan University

Bharathidasan University located in Tiruchirappalli, Tamil Nadu came into existence in 1982, and got its name after the great revolutionary Tamil Poet, Bharathidasan (1891-1964). The University motto is "We will create a brave new world" that has been framed from Bharathidasan's poetic words "புதியதோர் உலகம் செய்வோம்". The University endeavours to be true to such a vision by creating in the region a brave new world of academic innovation for social change. The University has 4 Faculties, 16 Schools, 37 Departments and 29 Specialized Research Centres. Around 151 programmes are being offered to cater the needs of the students from different parts of the country and even from abroad. The University has been adjudged as one of the most reputed Universities in the country and is accredited with 'A+' Grade by the National Assessment and the Accreditation Council (NAAC). The institution continues to make rapid changes in various fields of higher education and research.



## The School of Marine Sciences

The School of Marine Sciences encompasses the Department of Marine Science, Department of Marine Biotechnology and the National Facility for Marine Cyanobacteria

### The School of Environmental Sciences

The school harbors the Department of Environmental Biotechnology and the Department of Environmental Science and Management. The Centre for Climate Change Research (CCCR) is also present to carryout academic and R&D activities on climate related issues.

### Department of Environment and Climate Change

The Directorate of Environment created in 1995 and it is entrusted with the co-ordination of major projects like pollution abatement in Cauvery, Vaigai and Tamiraparani rivers and in the waterways of Chennai City. Besides the National Lake Conservation Programme, Coastal Zone Management and all other significant environment protection efforts except those dealt by the Tamil Nadu Pollution Control Board are the main responsibility of this Directorate.

### Functions of the Department

Creating Environment awareness in schools and colleges through Non-Government Organizations (NGOs), Eco-clubs and National Green Corp (NGC), Eco-restoration activities, Climate Change Adaptation and Mitigation initiatives, Implementing the provisions of the CRZ Notifications, Coastal Zone Management, Preparation of Environmental Management.

## About the Workshop

The ocean provides essential resources such as food, medicine, minerals, and energy. It supports employment, national economies, transportation, and national security. Additionally, the ocean offers ecosystem services that enhance planetary health, including coastal protection and carbon storage. The ocean influences climate regulation, well-being, and economic advancement. It produces half of the oxygen required, absorbs significant carbon dioxide, and captures excess heat from emissions. The ocean serves as a crucial carbon sink and mitigates climate change impacts. It plays a key role in curbing greenhouse gas emissions and stabilizing climate conditions.

However, rising emissions are harming ocean health, leading to warming and acidification that disrupts marine and terrestrial life. Oceanic habitats like seagrasses and mangroves sequester carbon at higher rates than terrestrial forests. Mangroves are particularly valuable in combating climate change due to their carbon storage capabilities. Approximately 680 million individuals reside in low-lying coastal areas, facing significant climate change risks. Vulnerable communities in these regions are disproportionately affected by extreme weather events. Strategies must be implemented to preserve ocean resources and mitigate climate change impacts. This workshop aims to unite experts to discuss climate change causes, effects, and control strategies.