



**ANNAMALAI UNIVERSITY**  
(Accredited with "A+" Grade by NAAC)



**National Conference on  
"Sequestration of Carbon dioxide and  
Mitigation of Impact of Climate Change  
on Marine Biodiversity"**

Sponsored by  
Annamalai University  
in the scheme of

Rashtriya Uchchattar Shiksha Abhiyan (RUSA 2.0)  
Ministry of Education, Government of India, New Delhi  
5<sup>th</sup> & 6<sup>th</sup> January 2023

Venue:  
Centre of Advanced Study in Marine Biology  
Parangipettai - 608 502

**REGISTRATION FORM**

Name: .....

Gender: .....

Designation: .....

Department/Institute: .....

Area of Research: .....

Address for communication: .....

Tel./Mobile No.: ..... E-mail: .....

Signature

**Registration Fee:**

Students / Research Scholars: Rs. 500/-

Faculty / Scientist: Rs. 1000/-

**Demand Draft only (DD) in favour of**

The Registrar, Annamalai University,  
Annamalainagar 608 002

**ORGANIZING COMMITTEE**

Chief Patron

Prof. RM. KATHIRESAN, Ph.D., D.Sc.,

Vice Chancellor

ANNAMALAI UNIVERSITY

Patron

Prof. K. SEETHARAMAN, Ph.D.,

REGISTRAR (i/c)

ANNAMALAI UNIVERSITY

Co-ordinators

Prof. P. ANANTHARAMAN, M.Sc., Ph.D.,

DEAN

Prof. M. KALAISELVAM, M.Sc., Ph.D.,

DIRECTOR

Organizing Team

*Dr. S. Kumaresan, Assistant Professor*

*Dr. S. Bragadeeswaran, Associate Professor*

*Dr. K. Ramamoorthy, Associate Professor*

*Dr. A. Saravanakumar, Associate Professor*

*Dr. D. Annadurai, Associate Professor*

*Dr. M. Arumugam, Associate Professor*

**PROGRAMME SCHEDULE**

*Day one : Registration: 9.00am-9.30am*

*Inauguration: 10.00am-10.30am*

*Day one & Two:*

*Technical Session: 10.00am-01.00pm*

*Lunch Break: 01.00pm-2.00pm;*

*Technical Session: 2.00pm-5.00pm*

*Day Two: Valedictory, Feedback and*

*Certificate Distribution: 4.30pm-5.00pm*

**Accommodation**

Accommodation will be arranged on prior request in the University guest house / hostel at nominal rates.

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**Contact details**

*Dr. S. Kumaresan, Assistant Professor*

**Organizing Secretary**

*Dr. S. Bragadeeswaran, Associate Professor*

**Co-organizing Secretary**

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Centre of Advanced Study in Marine Biology  
Faculty of Marine Sciences  
Annamalai University  
Parangipettai - 608 502, Tamil Nadu, India

## ABOUT OUR UNIVERSITY

In 1929, Raja Sir S.R.M. Annamalai Chettiar established the Annamalai University in agreement with the local government as per Annamalai University Act 1928 (Tamil Nadu Act. 1 of 1929). With the enactment of the Annamalai University Act 2013 (Tamil Nadu Act 20 of 2013) this University has become a state University. Annamalai University is accredited with 'A' grade by NAAC. The NIRF by the Ministry of Human Resource Development (MHRD) has ranked the university as 20<sup>th</sup> in Tamil Nadu and 92<sup>nd</sup> in India in the overall category. In the university category ranking it is 14<sup>th</sup> in Tamil Nadu and 56<sup>th</sup> in India. Annamalai University is one of the largest Universities in Southern Asia, comprising of 10 Faculties and 49 departments of various disciplines. This university has played a pivotal role in providing access to higher education to youth cutting across the social spectrum, especially from economically and socially disadvantaged classes. In this respect, this university's service to the nation is quite laudable.

## ABOUT OUR CENTRE

The Centre of Advanced Study in Marine Biology is one of the pioneering and reputed marine institutes in India which is actively engaged in teaching, research and extension activities. This centre is established in an ideal location with easy access to the different biotopes such as estuary, mangrove, backwaters and coastal waters. It has made rapid strides in various facets of marine science. Research contribution through the years to marine science pertaining to the tropical environment by this centre resulted in the establishment of exchange program with research institutions of the United Kingdom and the United States of America. The major thrust areas identified for the Centre by

the experts of the UGC in physical oceanography, chemical oceanography, biological oceanography, physiology, biochemistry, marine microbiology, pharmacology, fishery science, ecology, aquaculture and marine biotechnology. The Ministry of Environment and Forests, Government of India recognizing the expertise available here has established on Environmental Information Systems (ENVIS) centre which has database on biodiversity of mangroves estuaries corals and lagoons. The Ministry of Science and Technology, New Delhi has also identified the Centre for support under the FIST program of DST. The Department of Biotechnology has approved our Centre and funded to start a Post Graduate course on Marine Biotechnology. The Ministry of Science and Technology has declared our Centre as the Centre of Excellence. Now our Centre has been recognized by University Grants Commission as Centre of Excellence in Marine Biodiversity and by MHRD as a Centre of Excellence in Frontier areas of Science & Technology.

## BACKGROUND OF THE CONFERENCE

Climate change is predicted to have a wide range of impacts on aquatic animal populations Driving of many aquatic species to the category of endangered, threatened or extinction was mainly motivated by the devastating nature of global climatic changes. Sea level rise with the subsequent coastal erosions is one of the major influential factors in the damage of breeding habitats of so many migratory aquatic species including fishes and shellfishes.

Increased ocean acidification is a detrimental factor for the predicted decline of large number of shellfishes due to the intense decalcifying effect of increased carbonic acid effects on calcium deposition

in shell carrying animals. Another critical impact of global warming is the growing change in sex ratios among marine mammals, fishes, amphibians and aquatic birds.

This critical process might lead the aforementioned species to be endangered, threatened and/or extinct. Therefore, it is need of the hour to find out marine bio resources such as coastal vegetation and plankton which are efficient in sequestration of the carbon dioxide.

## FOCUSED THEME

- ✓ To invite the experts/resource persons to deliver lectures on the chosen topic to the participants include Scientists, Faculties, Research scholars, and Students
- ✓ To disseminate the techniques of sequestration of CO<sub>2</sub> and the significance of mitigation of impact of climate change on marine biodiversity

## NOTE - PUBLICATION

- Abstracts are entertained up to 20<sup>th</sup> December 2022, which can be sent to the given mail ID.
- In addition to invited talk, the selection of the oral and poster presentations will be notified on or before 27<sup>th</sup> December 2022 based on the review of the abstracts.
- Best three presentations (in each oral and poster) will be rewarded.
- All the abstracts will be compiled for proceedings.
- Full paper will be requested after the evaluation of merit of the abstracts for due publication in the peer reviewed journal listed by Scopus / Web of Science