

ANNAMALAI UNIVERSITY



(Accredited with "A" Grade by NAAC)

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

**INTERNATIONAL SEMINAR
on
Coastal and Marine Biodiversity
and Conservation (ISCMBC-2018)**

Sponsored by
**University Grants Commission
Centre with Potential for Excellence in Particular
Areas (CPEPA)
New Delhi**

March 15 & 16, 2018

Venue:
**Centre of Advanced Study in Marine Biology
Parangipettai**



Convener
Prof. A. Shanmugam
Dean, Faculty of Marine Sciences

Co-Convener
Prof. N. Veerappan
Director, CAS in Marine Biology

ABOUT THE PROGRAMME

Biodiversity is the central tenet of nature and its key defining feature. Man is also part of the immense biodiversity of the world hosts. For his very survival and continuance in this earth, biodiversity forms the basis. The role of hydrological and biogeochemical cycles is immensely important to him. He depends on biodiversity for meeting all his requirements (food, clothing, fuel, medicine, livelihood, housing, recreation etc.). The long-term benefits which result from carbon sequestration have far reaching consequences to him. Yet many marine habitats which are the repositories of biodiversity are threatened due to habitat destruction, overfishing, pollution, introduction and invasion of species, ozone depletion, climate change besides scores of others. A growing body of research demonstrates that the maintenance of marine biodiversity and its habitats is paramount to sustained growth and development of countries. However, there is no rigorous, standardized and coordinated approach to monitor the biodiversity in a way that produces a coherent picture of status and trends in the earth's biodiversity in particular that of the oceans which have 90% of the Earth's habitable volume. Preserving the health of the ecosystems has also assumed enormous significance. Conservation of threatened ecosystems and species poses many challenges. Efforts to recover vulnerable species have met with bottle necks due to lack of information on life-history of such species and technology. Need to develop bio-security measures has increased. The economic evaluation of the whole marine environment besides each and every one of its components has become a must. There is also considerable debate on the efficiency of methods of valuation. Management issues and cross-border problems and disputes have been defying solution. The purpose of this seminar is to discuss the issues in protecting the biodiversity and conservation of resources.

ABOUT THE UNIVERSITY

In the early 1920s Rajah Sir S.R.M. Annamalai Chettiar founded Sri Minakshi College, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College at Chidambaram. In 1928, Rajah Sir S.R.M. Annamalai Chettiar agreed with the local Government to handover the above said institution for establishing a University. Thus, on 01.01.1929 Annamalai University was established as per Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929).

One of the most significant developments is the enactment of the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), which has come into force from September 25, 2013. Annamalai University is accredited with "A" Grade by NAAC in 2014. "The NIRF-2017" by the Ministry of Human Resource Development (MHRD) has ranked the University as 20th in Tamil Nadu and 92nd in India in the Overall category. In the University category ranking is 14th in Tamil Nadu and 56th in India. In the Pharmacy category the ranking is 2nd in Tamil Nadu and 13th in India. "The Times Higher Education World University Ranking – 2018" has ranked Annamalai University in 801–1000 for Overall category and 401–500 for Life Sciences category.

"The CWTS Leiden Ranking 2017", on scientific impact of Universities and on Universities' involvement in scientific collaboration & scientific performance, has ranked the University at 14th based on the number of publications and 3rd based on the proportion of publications that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited. "The Nielsen – India Today Ranking" (2017) has ranked Annamalai University 11th among the top 30 Universities in India. Among the top 100 institutions for Higher Education in India the "Scimago Institutional Ranking" has ranked Annamalai University as 4th in Tamil Nadu and 20th in India.

Annamalai University is one of the largest unitary, teaching and residential Universities in Southern Asia comprising of 10 Faculties and 49 departments of study. This University has played a pivotal role in providing access to higher education for thousands of youth cutting across the social spectrum, especially from economically and socially disadvantaged classes. In this respect, this University's service to the nation is tremendous.

ABOUT THE CENTRE

The Centre of Advanced Study (CAS) in Marine Biology is a reputed marine institute in India which is actively engaged in teaching, research and extension activities with an ideal location and easy access to different biotopes such as estuaries, mangroves, backwaters and coastal waters. It has made rapid strides in various facets of marine science. Research contributions through the years to marine science pertaining to the tropical environment by this Centre resulted in the establishment of exchange programmes with research institutions of the United Kingdom, and the United States of America besides various other countries. The major thrust areas identified for the Centre by the experts of the UGC are Biological Oceanography, Physical and Chemical 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 an Environmental Information System (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 programme of DST in 2000. The Department of Biotechnology has approved our Centre and funded to start a Post Graduate course on Marine Biotechnology in 2002. The Ministry of Science and Technology has declared our Centre as the Centre of Excellence in 2004. Now, our Centre has been recognized by University Grants Commission as Centre of Excellence in Marine Biodiversity. Our Centre has been elevated to a level of Faculty of Marine Sciences from 2010 onwards.

Themes of the meet

- i. Marine and coastal biodiversity
- ii. Marine resources and their economic evaluation
- iii. Marine pollution
- iv. Marine conservation and management strategies
- v. Bio-prospecting

- vi. Alien/Invasive species
- vii. Climate change

Who can participate in the Seminar?

Those who are currently involved in marine biodiversity studies, including the academics and civil society groups (Faculty Members, Teachers, Scientists, Research Scholars, Professionals, Policy makers and Administrators from India and Abroad).

Submission of Abstracts

Extended abstracts having introduction of the topic, area of study, methods followed, key results and conclusion along with keywords limited to 300 words and typed using MS Word-Time New Roman with Font size 12 have to be sent to the Organizing Secretary through email on or before the last date mentioned below. The theme under which it has to be listed for presentation and discussion has to be indicated.

Poster Presentation

Posters for display should be 2' x 3' in glossy sheet.

Best Paper presentation / Best Poster Presentation award per theme

Best papers under oral and poster presentation (in each thematic area) will be selected for the award.

Registration fee

Delegates are requested to send their registration fee in the form of Demand Draft obtained from any Nationalized Bank, drawn in favour of "The Registrar, Annamalai University" payable at Annamalai Nagar.

Scientists and Faculty: Rs. 1000/-
Research scholars and Students: Rs. 500/-
International participants: US\$ 100

Accommodation

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

**Last date for submission of
Abstract:
February 20, 2018**

ADDRESS FOR COMMUNICATION

Convener, ISCMBC-2018

Faculty of Marine Sciences
Annamalai University
Parangipettai- 608502, Tamil Nadu, India
Email: iscmabc2018@gmail.com
Mobile: +91 9443043597, +91 9944423750

Organizing Committee

Patron

Prof. Dr. S. MANIAN

Vice-Chancellor, Annamalai University

Chairman

Prof. Dr. K. ARUMUGAM

Registrar (i/c), Annamalai University

Convener

Prof. A. Shanmugam

Dean

Faculty of Marine Sciences

Annamalai University

Co-Convener

Prof. N. Veerappan

Director

CAS in Marine Biology, Faculty of Marine

Sciences, Annamalai University

Organizing Secretaries

Prof. M. Srinivasan

Prof. P.S. Lyla

Prof. M. Natarajan

Co-Organizing Secretaries

Dr. P. Sampathkumar, Associate Professor

Dr. P. Anantharaman, Associate Professor

Dr. M. Kalaiselvam, Associate Professor

Dr. S. Jayalakshmi, Associate Professor

Dr. P. Soundarapandian, Associate Professor

Dr. S.T. Somasundaram, Associate Professor

Executive Secretaries

Dr. G. Ananthan, Asst. Professor

Dr. K. Sivakumar, Asst. Professor

Dr. T. Ramanathan, Asst. Professor

Dr. P. Murugesan, Asst. Professor

Dr. A. Saravanakumar, Asst. Professor

Dr. M. Arumugam, Asst. Professor

Dr. A. Gopalakrishnan, Asst. Professor

Dr. S. Ravichandran, Asst. Professor

Advisory Committee

National

Prof. L. Kannan, Former Vice-Chancellor, Thiruvallur Univ.

Prof. S. Ajmal Khan, CAS in Marine Biology

Prof. T. Balasubramanian, Former Dean & Director, FMS

Prof. K. Kathiresan, Former Dean & Director, FMS

Prof. B.K. Sahu, Former V.C., Berhampur University

Dr. S. Ramachandran, Former V.C., Univ. of Madras

Dr. A.K. Kumaraguru, Former V.C., M.S. University

Dr. S. Felix, V.C., TNFU

Dr. Nizar Ahmad Mir, Joint Secretary, UGC

Dr. B. Meena Kumari, Chairman, NBA, Chennai

Dr. Suman Govil, Additional Secretary, DBT

Dr. Anandhi Subramanian, S.E. Advisor, MoEF&CC

Dr. J.R. Bhatt, Advisor, MoEF&CC

Dr. A. Mukhopadhyay, Advisor, DST, New Delhi

Dr. B.R. Subramanian, Former Advisor, MoES

Dr. E. Vivekanandan, Former Head, Dem. Fish. Div., CMFRI

Dr. K. Padmakumar, Former Pro V.C., KUFOS, Kochi

Dr. V. Sundararaj, Former Dean, FCRI, Tuticorin

Dr. R. Santhanam, Former Dean, FCRI, Tuticorin

Dr. P. Kesavanath, Former Dean, College of Fish., Mangalore

Dr. A.N. Balchand, Dean, Faculty of Marine Sciences, CUSAT

Dr. A. Shekhar Kovale, Former Dean, Fish. College, Ratnagiri

Dr. A. Biju Kumar, Dean, Faculty of Sciences, Kerala Univ.

Dr. R. Ramesh, Director, NCSCM, Chennai

Dr. M.V. Ramana Murthy, Director, ICMAM, Chennai

Mr. V.P. Dhandapani, Director of Fisheries, Chennai

Dr. M. Sudhakar, Director, CMLRE

Dr. K. Venkatraman, Former Director, ZSI, Kolkatta

Dr. C. Raghunathan, Joint Director, ZSI, Kolkatta

Dr. G. Gopakumar, Former Principal Scientist, CMFRI

Dr. G.A. Thivakaran, Chief Principal Scientist, GUIDE, Gujarat

Dr. Rajani Kanta Mishra, Scientist-E, NCAOR, Goa

Prof. V. Arul, Head, Dept. of Biotech. Pondicherry University

Prof. R. Mohan Raju, Head, Pondicherry Univ., Port Blair

Dr. K.K. Joshi, Head, Biodiversity Division, CMFRI, Kochi

Prof. A. Yogamoorthy, Pondicherry University

Prof. N. Munuswamy, Dept. of Zoology, University of Madras

Dr. Anil Kumar, Scientist-D, NRC, Dehradun

Prof. M.S. Chakravarthi, Andhra University

International

Prof. Shin-ichi Uye, Japan

Prof. Hans-Uwe Dahms, Kaohsiung Medical University, Taiwan

Prof. Appadoo Chandani, Univ. of Mauritius, Mauritius

Prof. A.N. Subramanian, Ehime University, Japan

Dr. K.P. Sivakumaran, Scientist, Australia