



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade "A" by NAAC

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu, India.



NATIONAL SYMPOSIUM ON MARINE MICRO PLASTIC POLLUTION IN INDIAN SEAS: FATE, IMPACT & STRATEGIC SOLUTIONS (MMPFIS-2019)

Date : 12th & 13th June, 2019

Venue: Col. Dr. Jeppiaar Research Park

SPONSORED BY



SCIENCE AND ENGINEERING RESEARCH BOARD
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COL. DR. JEPPIAAR RESEARCH PARK
CENTRE FOR OCEAN RESEARCH
(DST-FIST Sponsored Centre)
(MoES-ESTC on Marine Biotechnological Studies)
Sathyabama Institute of Science and Technology
Chennai - 600 119, Tamil Nadu, India.



About Sathyabama Institute of Science and Technology

Sathyabama Institute of Science and Technology formerly known as Sathyabama Engineering College was established in 1987 by Col. Dr. Jeppiaar. It is a premier institute imparting knowledge in the areas of engineering, science, technology and education. The institution's progress and contribution to the field of technical education for over two decades resulted in granting Deemed University status on 16th July, 2001. The Institute has been awarded as Category "A" by Ministry of Human Resources Development (MHRD), Government of India and accredited by NAAC with Grade "A" in 2017, certified with DNV-GL ISO 9001 standard and offering exemplary education during last 31 years. Sathyabama Institute of Science and Technology (Deemed to be University) offer 27 UG programmes level and 41 PG programmes in all disciplines. The Institute holds great promise to expand the applications of space technology, benefiting the common man and enriching the quality of life in association with Indian Space Research Organization (ISRO). We have written a special page in the history of space research on 22nd June, 2016 with the launch of "SATHYABAMASAT" in association with ISRO. Untiring efforts staff, students and management and positive academic ambience prevailed in the campus had made University to be ranked as top 50 university by National Institutional Ranking Framework, Ministry of Human Resource Development, Government of India.

About Centre for Ocean Research

Centre for Ocean Research (COR) is one of the premier research and innovation centre managed by Sathyabama Institute of Science and Technology to focus on Marine Science Research and Technology. Centre has been established in 2007 as a joint initiative of National Institute of Ocean Technology (NIOT) Chennai and Sathyabama Institute of Science and Technology to encourage targeted sectors of Ocean Research. To its credit COR was supported by DST-FIST. COR plays a key role in marine research and development through trainings/workshops and transfer of technology. Centre has successfully completed many nationally and internationally funded research projects, while some are still ongoing and few are initiated which are sponsored by various Agencies and research organizations like Department of Biotechnology (DBT), Department of Science and Technology (DST), Bharatiya Nabikiya Vidyut Nigam Ltd. (DAE-BHAVINI), Ministry of Steel, Board of Research Nuclear Sciences (DAE-BRNS), University Grants Commission (UGC), International Foundation of Science (IFS, Sweden), Atomic Energy Regulatory Board (AERB), Indian Council of Agricultural Research (ICAR) and Ministry of Earth Sciences (MoES). Centre gathers and disseminates the knowledge to public in the major areas of Mariculture, Marine Technology and Engineering, Marine Ecology, Marine Nanotechnology, Marine Biotechnology, and Marine Education & Extension.

About "MMPFIS 2018"

Marine Micro-sized plastic debris, often referred to as "Microplastics" (<5mm), have become a growing global concern. Microplastics may originate from weathered remnants of larger plastic pieces (secondary MPs) and manufactured micro-sized plastic products (primary MPs), such as plastic nurdles, micro beads in cosmetics and cleaning agents, industrial shot-blasting abrasives and synthetic fibers. Although Micro plastics in marine environment have been reported in literatures since the 1970s, many questions remain unanswered. While plastics continue to pose immense threat to the earth and marine life in particular, the emergence of micro plastics takes the danger a step further polluting Indian seas and threatening the life of marine animals. Centre for Ocean Research is organizing this National symposium on Marine microplastic pollution in Indian seas: Fate, Impact and Strategic solutions to emphasize the importance of studying, Occurrence and fate of microplastics in the marine environment, Interaction of microplastics with biological and chemical contaminants, Influences of microplastics on the marine biota, Assessment on the interaction of microplastics with biological and chemical contaminants, Citizen science and possible solutions / remediation measures for marine microplastics.

MMPFIS 2019 THEMES

- ✚ Microplastic and aquatic biota
- ✚ Microplastic toxicity
- ✚ Marine pollution & health effects
- ✚ Microbial Interaction with plastics
- ✚ Chemistry of plastics
- ✚ Human Impact on Environment
- ✚ Environment chemistry & Toxicology
- ✚ Assessment of bio and chemical contaminants
- ✚ Pollution control Technologies and health devices
- ✚ Carbon foot print
- ✚ Restoration Ecology
- ✚ Remediation measure of marine pollutants



CALL FOR PAPERS

Participants are invited to submit the full papers (MS-word, 12 Font, Times New Roman with 1.5 spacing) by e-mail: corsymposium2019@gmail.com by 15th May, 2019. Submitted abstracts will be reviewed by the scientific committee and will be intimated/requested for full paper submission. All the selected abstracts will be published in symposium proceedings with ISBN number .

Depending on the originality, quality, relevance and other editorial considerations, selected peer-reviewed research papers of the Symposium will be published in the **Scopus and Web of Science indexed NISCAIR journal**.

YOUNG RESEARCHER AND PRESENTATION AWARDS

The Young Research Award is an initiative with the intention of supporting young researchers (students) to forecast their best work with Marine Pollution Assessment. Best young researchers will receive a certificate of appreciation.

WHO CAN PARTICIPATE?

Research Scholars, Scientists, Lecturers, Faculties, Students and Scholars from Engineering or Science background working in R&D Institutes/Universities/Colleges/Industries who are working in the themes mentioned above can participate

GUIDELINES FOR POSTER PRESENTATION

Poster size: 3 ft width and 3 ft height (90 cm width X 90 cm height)

MODE OF PAYMENT

The registration fee can be paid in favor of “**Sathyabama Institute of Science and Technology -Research**” by demand draft payable at Chennai with drawn from any national banks or it can also be paid by cash.

ACCOMMODATION

Hostel & External Accommodation can be arranged on payment basis i

CATEGORY	REGISTRATION BY 15 th May 2019	SPOT REGISTRATION
Students / Research Scholars	Rs. 500/-	Rs. 750/-
Faculty/ Industry	Rs. 750/-	Rs. 1000/-

TECHNICAL COMMITTEE - CENTRE FOR OCEAN RESEARCH

- ✚ Dr. T. S. SESHADRI, TBI-Coordinator
- ✚ Dr. L. STANLEY ABRAHAM, Scientist - E
- ✚ Dr. V. GANESH KUMAR, Scientist - E
- ✚ Dr. K. GOVINDARAJU, Scientist - E
- ✚ Dr. V. PARAMESWARAN, Scientist - D
- ✚ Dr. M. RAVI, Scientist – C

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 Mrs. S. Gayathri, Technical Assistant
 Mr. Karthih M G., Research Scholar
 Ms. Subashni Bhoopathy, Research Scholar
 Mr. Baala Murugan, Research Scholar
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SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

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- ✚ **Dr. R. Venkatesan**, Scientist G & Program Director - Ocean Observation Systems, ESSO-NIOT
- ✚ **Dr. G.Dharani**, Scientist F & Head Marine Biotechnology Division , ESSO-NIOT

Last date for Abstract Submission – 31st April 2019

Intimation of Acceptance 10th May 2019

Submission of Full Paper - 15th May 2019

Early Bird Registration - 15th May 2019

Last Date for Registration – 30th May 2019

Symposium Dates - 12th & 13th June 2019

How to Reach Sathyabama Institute of Science and Technology?

Sathyabama is located on the Rajiv Gandhi road (Old Mahabalipuram Road, IT highway) of Chennai city, which is 20 km away from the Inter-national airport, 30 km from Central Railway station and 17 km from Tambaram Railway station. Buses : 19B from Saidapet, 102 from Broadway 570 Koyambedu



Organizing Secretary

DR. B. SHEELA RANI
DIRECTOR (RESEARCH)

Convener

Dr. RADHIKA RAJASREE S.R.
Scientist – F & Head
CENTRE FOR OCEAN RESEARCH

Co- Conveners

Dr.D.INBAKANDAN **Dr.L.STANLEY ABRAHAM**
Scientist – E **Scientist-E**
CENTRE FOR OCEAN RESEARCH

For further details contact Convener:

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