



# **SATHYABAMA**

## **INSTITUTE OF SCIENCE AND TECHNOLOGY**

( DEEMED TO BE UNIVERSITY )

Accredited with "A" grade by NAAC  
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu, India.



# **NATIONAL SYMPOSIUM ON THE APPLICATION OF GENOMICS AND PROTEOMICS IN AQUACULTURE, FISHERIES, & MARINE BIOLOGY (omicsAFM 2018)**

**Date: 20<sup>th</sup> & 21<sup>st</sup> June 2018**

**Venue: COL. DR. JEPPIAAR RESEARCH PARK  
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY**



**Extended date for Abstract Submission**

**12<sup>th</sup> June 2018**

**Sponsored by**



सत्यमेव जयते

**DEPARTMENT OF BIOTECHNOLOGY  
MINISTRY OF SCIENCE & TECHNOLOGY  
GOVERNMENT OF INDIA**

**Organized by**



**CENTRE FOR OCEAN RESEARCH**  
(DST-FIST Sponsored Centre)  
Col. Dr. Jeppiaar Research Park  
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 29 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. The launch of "SATHYABAMASAT" and accolades received in world platforms is a specimen. National Institutional Ranking Framework, Ministry of Human Resource Development, Government of India has ranked SATHYABAMA at 37<sup>th</sup> position in Engineering category, 45<sup>th</sup> position in University category and this has been possible due to the untiring efforts of staff, students and management with positive academic ambience.

### 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 omicsAFM 2018

Centre for Ocean Research is organizing a National Symposium on the "Application of Genomics and Proteomics in Aquaculture, Fisheries and Marine Biology - 2018" (omicsAFM 2018). The National Symposium will be a platform to emphasize the importance of Genomics and Proteomics tools in the augmentation of Aquaculture, Fisheries and Marine Biology. Genomics and Proteomics are two of the newest biological disciplines and growing at a very fast rate. Genomics and Proteomics have assumed greatest importance in recent years in the development of Aquaculture, Fisheries and Marine Biology. The science of biotechnology has endowed us with new tools and tremendous power to create novel genes and genotypes of aquatic plants and animals in particularly with economically important aquaculture and fisheries species. The application of Genomics and Proteomics in the aquaculture and fisheries sector is a relatively recent practice. Nevertheless it is a promising area to augment the marine biological resources and enhance the aquaculture production. The increased application of Genomics and Proteomics tools can certainly revolutionize aquaculture or aqua-farming besides its role in marine biodiversity conservation. This symposium will gather eminent researchers working in DNA technology, gene expressions, next generation sequencing, PCR technology, high throughput sequencing, protein expressions, translations, transcriptions, mass spectrometry and unit them to showcase their experience and exchange their knowhow through presentations, expert talks and lectures with likeminded researchers, students, scholars, facilities and industrialists.

### omicsAFM 2018 THEMES

- ✦ Marine Genomics and Proteomics
- ✦ DNA technology in Aquaculture and Fisheries
- ✦ Gene expressions in Marine Living Resources
- ✦ Marine Bioinformatics & System biology
- ✦ Application of Next Generation Sequencing
- ✦ Marine Microbiology & Algal Biotechnology
- ✦ Advances of PCR technology in Aquatic Health
- ✦ Protein expressions & Mass Spectrometry
- ✦ Marine Biotechnology & Nanobiotechnology
- ✦ Advances in Aquaculture and Fisheries
- ✦ Marine Biodiversity, Conservation and Ecology
- ✦ Sea Surface Temperature, Ocean Acidification & Climate change
- ✦ Marine Ecotoxicology and Pollution Management



### CALL FOR PAPERS

Authors are requested to submit a one page abstract (300 words only) of their original and unpublished research work on or before **25<sup>th</sup> May 2018** via email through [afm2018.omics@gmail.com](mailto:afm2018.omics@gmail.com)

Acceptance of peer reviewed abstracts will be intimated through email for the submission of full manuscript. Depending on the originality, quality, relevance and other editorial considerations, peer-reviewed research papers of the Symposium will be published in the **INDIAN JOURNAL OF GEO-MARINE SCIENCES (IJMS) ISSN: 0379-5136 (Scopus and Web of Science indexed NISCAIR journal)**. The committee will evaluate the abstracts and will decide whether the paper will be presented as oral or poster. All accepted abstracts will be included in the Symposium proceedings.

### 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 the Application of Genomics and Proteomics in Aquaculture, Fisheries and Marine Biology. Best young researchers will receive the best price and a certificate of appreciation. In addition to that best oral and poster presentations in omicsAFM 2018 will be given a best presentation award and 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 should be paid in favor of “Sathyabama Institute of Science and Technology - Research” by demand draft payable at Chennai in all national banks or it can also be paid by cash.

### ACCOMMODATION

External Accommodation can be arranged on payment basis in nearby hotels ranging from Rs.2000/- to 4000/- per day.

CATEGORY	REGISTRATION BY 15 <sup>th</sup> JUNE 2018	SPOT REGISTRATION
Students / Research Scholars	Rs. 500/-	Rs. 750/-
Scientific/ Academia/ Industrial	Rs. 1000/-	Rs. 1500/-

### 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 - D
- ✦ Dr. V. PARAMESWARAN, Scientist - D
- ✦ Dr. M. RAVI, Scientist – C

### INTERNAL ORGANISING COMMITTEE - CENTRE FOR OCEAN RESEARCH

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- Dr. M.V. Rajeswari, UGC-PDF
- Dr. C. Jayaseelan, NPDF
- Dr. Kavitha.G, NPDF
- Dr. S. Tamilselvan, NPDF
- Mrs. S. Gayathri, Technical Assistant
- Mr. L. Aranganathan, Research Scholar
- Mr. Karthih M G., Research Scholar
- Ms. Subashni Bhoopathy, Research Scholar
- Mrs. D Vinu, Research Scholar
- Mr. Baala Murugan, Research Scholar



## PATRONS

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- ✦ **Dr. T. Balasubramanian**, Former Dean & Director, CAS in Marine Biology, Annamalai University
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- ✦ **Dr. S. S. Rau**, Registrar, Sathyabama Institute of Science and Technology
- ✦ **Dr. S. Igni Sebastin Prabu**, CoE, Sathyabama Institute of Science and Technology

**Extended date for Abstract Submission - 12<sup>th</sup> June 2018**

**Intimation of Acceptance - 13<sup>th</sup> June 2018**

**Submission of Full Paper - 15<sup>th</sup> June 2018**

**Early Bird Registration - 10<sup>th</sup> June 2018**

**Last Date for Registration - 15<sup>th</sup> June 2018**

**Symposium Dates - 20<sup>th</sup> & 21<sup>st</sup> June 2018**

**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 International airport, 30 km from Central Railway station and 17 km from Tambaram Railway station. Buses : 19B from Saidapet, 21H from Broadway**



**Chair Person & Co-ordinator**

**DR. B. SHEELA RANI**

**DIRECTOR (RESEARCH)**

**COL. DR. JEPPIAAR RESEARCH PARK**

**Convener**

**Dr. D. INBAKANDAN**

**Scientist – E**

**CENTRE FOR OCEAN RESEARCH**

**Co- Convener**

**Dr. RADHIKA RAJASREE S. R.**

**Scientist – E, Head**

**CENTRE FOR OCEAN RESEARCH**

**For further details contact Convener:**

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