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<b>Dr. G. Subramanian</b> Former Professor and Director, National Facility for Marine Cyanobacteria (NFMC), Bharathidasan University
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<b>Dr. S.P. Adhikary</b> Visva-Bharati, Santiniketan, West Bengal
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<b>Dr. K. Kathiresan</b> Annamalai University, Parangipettai
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<b>Dr. Guillaume Blanc</b> Mediterranean Institute of Oceanography, France



### REGISTRATION LINK

<https://forms.gle/JebbLcmDWWNXKutN7>



**ANRF-SERB Sponsored**

# NATIONAL WORKSHOP ON MICROALGAL GENOMICS AND PHYCOSPHERE ENGINEERING (NWMP - 2026)

**March 10 - 12, 2026**



*Organized by*

**National Repository for Microalgae and Cyanobacteria - Freshwater (NRMC-F)**  
**Bharathidasan University**  
**Tiruchirappalli - 620 024**



*Supported by*

**Anusandhan National Research Foundation (ANRF)**  
**Science & Engineering Research Board (SERB), New Delhi**

## About the University

Bharathidasan University was established in February 1982 and was named after the great revolutionary Tamil Poet, Bharathidasan (1891-1964). The motto of the University is "We will create a brave new world". The University endeavors to be true to such a vision by creating a brave new world of academic innovation for social change in the region. The university is accredited with A<sup>+</sup> Grade by NAAC in the Third Cycle & 36<sup>th</sup> Rank among the Indian Universities in NIRF 2025.

## About the NRMC-F

National Repository for Microalgae and Cyanobacteria - Freshwater (NRMC-F) is established by Dr. N. Thajuddin, Former Principal Investigator during 2015 with the sponsorship of Department of Biotechnology, Ministry of Science and Technology, Govt. of India, New Delhi. NRMC-F has been approved for Affiliate Membership in World Federation for Culture Collections (WFCC), Germany. The repository has also been registered in World Data Centre for Microorganisms (WDCM) with the following code WDCM 1307. The repository would carry out an extensive survey of the freshwater bodies including those in coastal areas of South India to explore the spatial and temporal diversity of freshwater microalgae and cyanobacteria and their relation to abiotic ecological factors. Along with this the diverse biotechnological applications of microalgae and cyanobacteria towards production of bioproducts and bioactive compounds.

## About the Workshop

This National Workshop on Microbial Genomics and Phycosphere Engineering provides a comprehensive platform to master the techniques of microalgal genomics and phycosphere engineering. Through a blend of theory and hands-on sessions, learn to isolate, identify, and genetically characterize microalgae. Discover how to engineer algal-bacterial interactions to optimize growth, improve harvestability, and develop sustainable solutions for clean energy and environmental cleanup.

### Participants will gain insights into:

- Isolation of microalgae, DNA extraction, PCR, sequencing and genome assembly.
- Genome annotation, metabolic pathway mapping (KEGG) and CRISPR gene editing analysis.
- Learn to analyze and manipulate the algal microbiome using 16S rRNA and metagenomics for enhanced performance.
- Microalgae and bacteria interactions- signaling molecules that manipulate the behavior of the algae or other microbes within the phycosphere.
- Complex functional interactions within the microbial community and identify targets for manipulation in phycosphere.
- Large scale cultivation of microalgae using open pond systems.

## REGISTRATION FEES

For Research Scholars / Students - Rs. 1000/-  
For Faculties / Scientists - Rs. 1500/-

## Terms

Registration fees should be sent either (1) in the form of DD or (2) through e-banking on the following bank account through any Nationalized Bank or (3) using Visa/Master's card in favour of "PRINCIPAL INVESTIGATOR NRMC-F, BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI - 620 024" along with duly filled registration form, followed by email of the copy of remittance.

Name	: Principal Investigator NRMCF
Bank Name	: State Bank of India
Branch	: Bharathidasan University
Account No	: 42996775891
IFSC Code	: SBIN0007014

The number of participants of this programme is limited to 50. Accommodations will be arranged for the participants on payment basis. However, lunch and refreshment will be provided to all registered participants during programme. Registration is on first come first serve basis. Due to limited seats, early registration by 25<sup>th</sup> February 2026 is recommended to ensure your participation.

## Important Date

Last date for submission of applications 01.03.2026  
Intimation to selected participants 05.03.2026

Contact us on : nwmp2026@gmail.com  
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