

Organised by

## National Facility for Marine Cyanobacteria

(Sponsored by DBT, Govt. of India)

&

## Sub Distributed Bioinformatics Centre

(Sponsored by DBT, Govt. of India)

## Bharathidasan University

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Tamil Nadu



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## About NFMC



### National Facility for Marine Cyanobacteria (NFMC)

funded by the Department of Biotechnology (DBT), Ministry of Science and Technology, Govt. of India for exclusive research on microalgae & cyanobacteria. It has been upgraded to the level of a National Repository for Microalgae and Cyanobacteria (NRMC). The Repository holds about 1034 Microalgal and Cyanobacterial strains representing 814 marine mesophilic, 150 psychrophilic (Arctic & Antarctic), 20 thermophilic and 50 halophilic forms. More than 506 institutes are its beneficiaries which includes Universities and Govt. research Organisations. NFMC is also a Sub Distributed Bio Informatics Centre (Sub-DIC) exclusively for cyanobacterial insilico analysis. It has developed open source database CKB (Cyanobacterial Knowledge Base) an exclusive visualization tool for *Synechocystis* PCC 6303 - Syn Rio, Cyanopatt which can search pattern against any cyanobacterial genomic region of the query. Complete Catalog datasheet for the repository (with GPS values), the open source tools and Database are available in dedicated website ([www.nfmc.res.in](http://www.nfmc.res.in))

Visit us

[www.nfmc.res.in/www.bdu.ac.in](http://www.nfmc.res.in/www.bdu.ac.in)

Contact us

9494667678

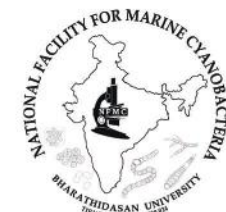
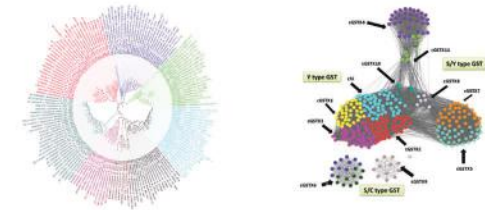


DEPARTMENT OF BIOTECHNOLOGY  
Ministry of Science & Technology



## Short Term Training Course on Advanced Research Techniques on Genomics, Proteomics & Bioinformatics

7<sup>th</sup> - 21<sup>st</sup> November 2017



**NATIONAL FACILITY FOR MARINE CYANOBACTERIA**

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## Overview

As Microbial Biotechnology is blooming up, the researchers should be through with the important macromolecular separation techniques such as Electrophoresis, 2D PAGE, and Chromatography. Learning the strategies and 'hands-on' experience in cloning techniques of theoretical and practical knowledge is imperative for the effective utilization for both research and teaching.

Microalgal and cyanobacterial synthetic biology is one of the hottest areas of research especially in the area of Bioenergy. The workshop planned for to create or impart needed expertise from basic to molecular protocols to carry out algal research as ease, without any bottlenecks. The course is also planned such a way that the participants will be provided adequate knowledge in basic bioinformatics tools which are very much essential to plan and target their research especially for cloning strategies.

## Objectives of the Workshop

- ☞ To provide high quality 'hands-on' training and expose the midlevel scientists, teachers and Research scholars to research techniques.
- ☞ To impart participants the principles from basics on different important separation techniques such as electrophoresis (2D Gel Electrophoresis), chromatography (GC & HPLC) and proteome analysis.
- ☞ To train the participants on various cloning strategies and molecular methods.
- ☞ To expose the participants in isolation and identification of cyanobacteria and microalgae from field samples.
- ☞ Field vist to marine stations at Mandapam & Rameshwaram as part of the progarmme
- ☞ To accomplish the participants to bioinformatics.

## How to apply

☞ Applications should be sent through proper channel so as to reach here before 15<sup>th</sup> Oct 2017. Superscribed as "**Application for ART on Genomics, Proteomics and Bioinformatics 2017**" on the envelope.

☞ Email applications are also accepted provided the hard copy of the same is forwarded through proper channel (*nfmcbic@yahoo.com*)

**Number of Participants will be restricted to twenty**

## Registration

Registration fee Rs .2000/-

## Who can apply

Mid-career scientists, UG & PG teachers and scholars from Institutes, Universities or Colleges

## Accommodation & Food

- ★ Accomadation will be provided in the University Guest house on sharing payment basis.
- ✱ Food will be arranged in University Hostel mess on payment basis.

## How to Reach NFMC

Tiruchirappalli is located in the heart of Tamil Nadu well connected by road, rail and airways. The University is located on Pudukottai Road, State High way (15Km) from the Tiruchirappalli Central bustand and Railway station and both are very nearby. City and mofussil buses are available from Central bustand.

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Name:.....

Designation.....

Age.....Gender(M/F).....

Area of Specialization.....

Department.....

Organization.....

Address.....

Contact No.....

Email Id.....

Phone No.....

I here by declare that the particulars submitted in this application is true to the best of knowledge

Place:

Date:

Signature of the  
Applicant

Signature of the  
Head of the Department  
\ Institution with seal