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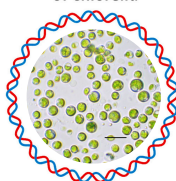
Principal Investigator
National Repository for Microalgae
and Cyanobacteria - Freshwater
(NRMF-F)
Bharathidasan University

GOOGLE FORM

<https://forms.gle/vd6z9XhVaLYgjqRg8>



Whole genome
of *Chlorella*

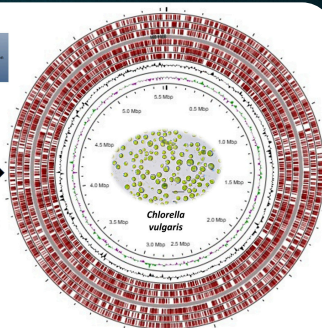


RAST Rapid Annotation using
Subsystem Technology



CRISPR-Cas9

**anti
SMASH**



Circular genome map

Book - Post

Training Programme
on

Chlorella Genomics, Cultivation, Processing
and Value-added Product
(Under Dissemination of Innovative
Technology (DIT) scheme of Tamil Nadu State
Council for Science and Technology (TNSCST)
September 1-3, 2025

REGISTRATION FORM



Category : Students, Research Scholar,
Entrepreneurs

Name

Designation

Organization

Address
.....
.....

City.....

State

Pin Mobile

E-mail

Signature



Tamil Nadu State Council for Science and
Technology (TNSCST)
and
National Repository for Microalgae
and Cyanobacteria - Freshwater
(NRMF-F)
Bharathidasan University

jointly organizes a

Training Programme
on

Chlorella Genomics, Cultivation,
Processing and Value-Added Product
(Under Dissemination of Innovative Technology
(DIT) scheme of Tamil Nadu State Council for
Science and Technology (TNSCST)

September 1-3, 2025



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⁺ Grade by NAAC in the Third Cycle & 36th Rank among the Indian Universities in NIRF 2023.

About the NRMCF

National Repository for Microalgae and Cyanobacteria – Freshwater (NRMCF) 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. NRMCF 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 Training

The training on "*Chlorella* Genomics, Cultivation, Processing and Value-Added Products" aims to teach people of Tamil Nadu about microalgae-based entrepreneurship, specifically focusing on *Chlorella*. It will cover *Chlorella* cultivation and harvesting to development of products like single-cell proteins and animal feed. The program also highlights environmental benefits like CO₂ sequestration and wastewater treatment. The goal is to promote self-employment, improve socio-economic status, and encourage sustainable practices.

The participants will be trained on the following aspects:

1. Sample collection and purification of microalgae
2. Morphological and molecular identification of *Chlorella* spp.
3. Whole genome and pan genome analysis of *Chlorella*
4. Biosynthetic gene clusters and metabolic pathway analysis using antiSMASH and KEGG
5. Mass cultivation and downstream processing of *Chlorella* in open raceway pond
6. Value added products - *Chlorella* in aquafeed

Invited speaker

Dr. N. Thajuddin
Pro Vice Chancellor
B S Abdur Rahman Crescent Institute
of Science and Technology
Vandalur, Chennai - 600 048

Eligibility Criteria

Students, Entrepreneurs and Unemployed youth.

Terms

The number of participants of this programme is limited to 25. Accommodation is to be arranged on their own. 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 20th August 2025 is recommended to ensure your participation. There is no registration fee for training programme.

GOOGLE FORM

<https://forms.gle/vd6z9XhVaLYgiqRg8>



Important Dates

Last date for submission of applications 20.08.2025
Intimation to selected participants 25.08.2025

Contact us on : nrmcf@bdu.ac.in
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