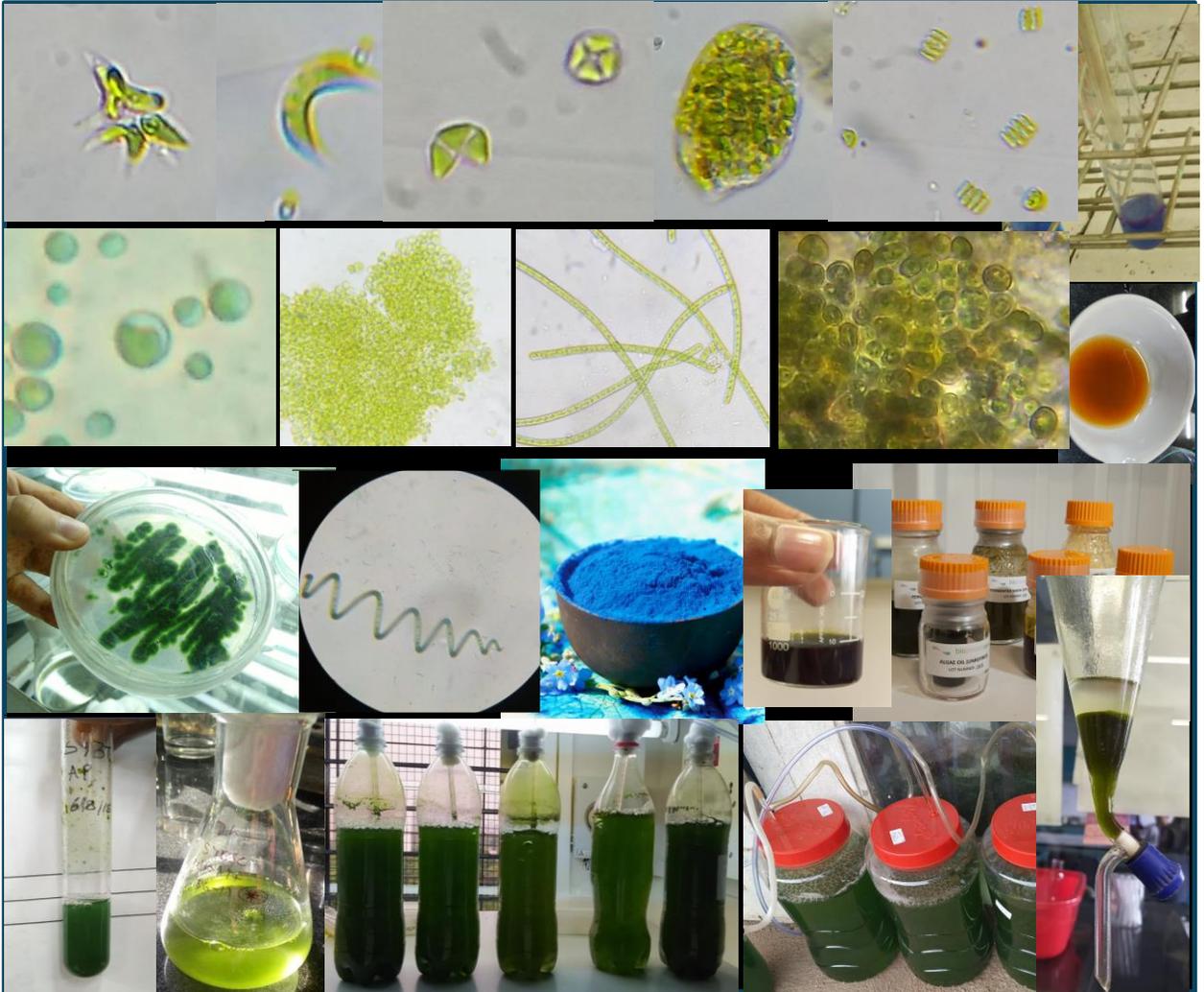


Department of Life Sciences organizes a 6-days Hands-on Workshop on “Exploring Potential of Microalgae in Biotechnology”



Organized by:
Department of Life Sciences,
S K Somaiya College,
Somaiya Vidyavihar University,
Mumbai, Maharashtra.



13th May 2024 to 18th May 2024



9:00am to 5:00pm



Somaiya Vidyavihar
University,
Mumbai, Maharashtra.

About Workshop:

In recent years, microalgae have garnered significant attention for their potential applications in various fields, ranging from biofuel production to pharmaceuticals. This hands-on workshop aims to provide participants with a comprehensive understanding of microalgal bioprospecting – the process of discovering novel species of algae with unique properties for industrial and environmental applications.

The workshop will consist of a combination of lectures, hands-on laboratory sessions, field visits and interactive discussions. Participants will have the opportunity to work with microalgal strains in the laboratory under the guidance of experienced instructors.

Workshop Objectives:

1. To familiarize participants with techniques for the isolation and identification
2. To introduce participants to the concept of analysis of microalgae for value added products and its importance in biotechnology.
3. To provide hands-on experience in culturing and maintaining microalgal strains in the laboratory.
4. To explore potential applications of microalgae in biofuel production, bioremediation, and biopharmaceuticals.

Event Plan:

The Hands-on Workshop on Microalgal Biotechnology offers a unique opportunity for participants to delve into the fascinating world of microalgae and explore their potential applications in biotechnology. By combining theoretical knowledge with practical experience, this workshop aims to equip participants with the skills and insights necessary to contribute to the growing field of microalgal bioprospecting.

Key Takeaways:

1. Understanding of the principles and techniques involved in microalgal bioprospecting.
2. Hands-on experience in culturing and maintaining microalgal strains in the laboratory.
3. Insights into the diverse applications of microalgae in biotechnology and related fields.
4. Networking opportunities with experts and peers in the field of algal biotechnology.

S K Somaiya College

Dr. Shantilal Karamsibhai Somaiya College is a constituent college of Somaiya Vidyavihar University, founded in 2019. It boasts a future-ready, sprawling campus and world-class learning infrastructure with a 360-degree career transformational set-up. The college offers students from diverse backgrounds the widest possible scope and opportunity for academic exploration, all-round growth, and a platform to display their varied skill sets and dormant talents. It provides diverse undergraduate and postgraduate programs curated and developed by a large number of eminent teachers and industry experts serving on the statutory academic bodies of the College in Commerce, Management, Humanities, Social Science, Science & Technology fields. Additionally, it offers flexibility to complement a Major with a Minor degree and develop advanced theoretical and research skills in the honours program. All of this aims at giving an extra edge to students to display their varied skill sets and talents upon embarking on a career in a competitive corporate market and nurturing qualities such as leadership, discipline, organizational capability, managing skills, social responsibility, and environmental sensitivity.

Department of Life Sciences, S K Somaiya College

The Department of Life Sciences at S K Somaiya College is a vibrant and innovative hub equipped with state-of-the-art laboratories and teaching infrastructure. The department houses competent and enthusiastic faculty committed to advancing the frontiers of applied biological sciences and nurturing the next generation of students to promote excellence in research and teaching. Our department offers a comprehensive range of academic programs designed to cater to the diverse interests and career aspirations of our students. These include B.Sc. Biotechnology (Hon), M.Sc. in Biotechnology/Industrial Biotechnology/Nutraceuticals/Chemical Biology and Drug Design, and Ph.D. in Biotechnology and Nutraceuticals. Our academic programs are crafted to provide hands-on experiences to students, ensuring their preparedness for careers in academia, industry, and research institutions. We maintain strong collaborations with leading biotechnology companies, research institutes, and government agencies.

Eminent Speakers



Dr. Manjushri Deodhar
Adjunct Professor at The
KET's V. G. Vaze College
of Arts, Science &
Commerce
(Autonomous)



Dr. Gunjan Prakash
Associate Professor at
Institute of Chemical
Technology.



Dr. Akanksha Agarwal
Founder, AgroMorph
Technosolutions Pvt.
Ltd.

**Dr. Dheeban
Chakravarthi Kannan**
Fellow at The Energy
and Resources
Institute (TERI)



Dr. Sagar Rambhiya
Chief Scientific Officer,
Bioean India Pvt. Ltd.
Specialization in
Biotechnology, algal mass
cultivation, supply chain
management.



Dr. Sukumar Bhakta
Botanical Assistant,
Botanical Survey of
India, ANRC at Ministry
of Environment and
Forest, Govt. of India



Hands-on session

1. Preparation of stocks and media
2. Field visit and sample collection
3. Microscopic identification
4. Isolation of Microalgae
5. Inoculum preparation and Setting up of Bioreactor
6. Extraction and estimation of Carotenoids.
7. Determination of Total lipids
8. Extraction and estimation of Phycocyanin
9. Extraction and estimation of Total proteins
10. Observation of Isolation and bioreactors results

Patrons

Shri Samir Somaiya

Chancellor, Somaiya Vidyavihar University

Prof V N Rajasekharan Pillai

Vice Chancellor, Somaiya Vidyavihar University

Prof S Sivaram

Dean, Somaiya Vidyavihar University, Mumbai Honorary Professor
and INSA Senior Scientist, IISER, Pune

CA Monica Lodha

Director, S K Somaiya College, Somaiya
Vidyavihar University

Event Coordinator

Dr Seema Sambrani

Associate Professor and Head,
Department of Life Sciences, Somaiya Vidyavihar University

Event Convenor

Mr Jayesh M. Bhagat

Assistant Professor, Department of Life Sciences,
Somaiya Vidyavihar University

Organizing Team

Mr Amit K. Jethwa

Assistant Professor,
Department of Life Sciences,
Somaiya Vidyavihar University

Mr Jayesh M. Bhagat

Assistant Professor,
Department of Life Sciences,
Somaiya Vidyavihar University

Registration Fees (in INR)

Registration fees is Rs. **3000/-** per participant (Registration fees does not include food, accommodation, and transportation.)

Limited Seats first come first serve basis.

for undergraduate and postgraduate students, researchers interested in exploring the potential of microalgae in biotechnology.

Last date of Registration

10th May 2024

Registration Link

[CLICK HERE TO REGISTER](#)

Bank Details

Account Name: for S K Somaiya College-Svu

Account Number: 8545049386

IFSC Code: KKBK0000658

Name of the Bank: Kotak Mahindra Bank

Branch: M G Road, Bedeshwar Building Mumbai-400077

Organized by:

Department of Life Sciences,

S K Somaiya College

Somaiya Vidyavihar University

For queries contact:

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Mr. Jayesh M. Bhagat, jayesh@somaiya.edu, 9869179969

Somaiya Vidyavihar University

Established in 2019, Somaiya Vidyavihar University, Mumbai, is a self-financed university recognized by the University Grants Commission (UGC) and sponsored by Somaiya Trust. Somaiya Vidyavihar University has established itself as a leading educational institution across the globe. It is proudly the first private university in Mumbai. Keeping up with our education standards, we have opened up an array of options for the students to choose from. The leaders of Somaiya University have designed every aspect of the University with international educational demand in mind. It is global in the reach of its ideas and universal in its service.



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