

REGISTRATION FEE:

Students and research Scholars :Rs 500
 Academicians :Rs 1000
 Professionals from Industry :Rs 1500

Participants are requested to send their details through e-mail on or before 20th September, 2019. Confirmation will be sent to the selected participants through e-mail. Only the selected participants are requested to register with registration fee in the form of Demand Draft drawn in favor of "The Principal, SVCE, Sriperumbudur Tk" payable at Indian Bank, Sriperumbudur. Filled in registration form along with DD should be sent to the below mentioned address on or before 25th September, 2019. The number of participants is limited to 40 and the selection will be based on the early birds.

BONAFIDE CERTIFICATE

(For Students only)

Mr./Ms. _____ is permitted to attend "National Workshop On Mass Cultivation of Microalgae for Production of Biofuel and Biorefineries" from October 3-4, 2019 at Sri Venkateswara College of Engineering (Autonomous), Sriperumbudur Tk, Tamilnadu - 602 117.

Date: _____ Signature
 (Designation & Seal)

MAILING ADDRESS

Dr.A.Senthil Nagappan
 Organizing secretary,
 Department of Biotechnology
 Sri Venkateswara College of Engineering
 (Autonomous), Pennalur
 Sriperumbudur Tk - 602 117
 Tel :+91-44-27152000 Ext 576
 Mobile: +91-8015068195
 E-mail: svcmicroalgae@gmail.com

**National Workshop on "Mass
 Cultivation of Microalgae for
 Production of Biofuel and
 Biorefineries"**

October 3-4, 2019

REGISTRATION FORM

1. Name:
2. Designation:
3. Age:
4. Participant Category:
Student/faculty/Industry
5. Name of the institution with Postal
address:
6. Mobile No.
7. Registration fee:
DD no. and date:

Declaration

I agree to abide by the rules and regulations of the training programme.

Place:

Date:

Signature

(Copy of this form can be used for registration)

**SRI VENKATESWARA COLLEGE
 OF ENGINEERING
 (Autonomous)**

Affiliated to Anna University, Chennai
 An 9001:2015 certified institution
 Accredited by NBA, New Delhi.

**National Workshop on "Mass
 Cultivation of Microalgae for
 Production of Biofuel and
 Biorefineries"**

October 3-4, 2019

**CONVENERS**

Prof. M. Sivanandham
 Prof. E. Nakkeeran

ORGANIZING SECRETARY

Dr. A. Senthil Nagappan

COORDINATORS

Ms. V.Sumitha
 Dr. D. Nilavunesan

Organized by

Department of Biotechnology
 Sri Venkateswara College of Engineering
 (Autonomous), Sriperumbudur Tk -602 117
 Tamilnadu, India
<http://www.svce.ac.in>

ABOUT THE INSTITUTION

Sri Venkateswara College of Engineering (SVCE), one of the premier technical Autonomous Institution in Tamilnadu, was established in 1985. The College is situated on the Chennai – Bangaluru National Highway (NH4) about 37 km south-west of Chennai. The college offers 10 UG programmes and 10 PG programmes. The National Board of Accreditation and National Assessment and Accreditation Council accredited many of the eligible programmes, and SVCE is an ISO 9001:2015 certified institution.

DEPARTMENT OF BIOTECHNOLOGY

Sri Venkateswara College of Engineering noted the recent growth in Modern Industrial Biotechnology. In order to support the growth in biotechnology, SVCE started the Department of Biotechnology in 2005 under the guidance of our Chairman Dr. A.C. Muthiah, a well known Industrialist who understands the strength of Industrial Biotechnology. The Department offers B.Tech and M.Tech Biotechnology programmes approved by AICTE. It is also approved as a Research Center in Biotechnology for MS (by Research) and Ph.D. programs by Anna University, Chennai. The Department has well established laboratory facilities namely Genetic Engineering, Bioprocess, Research Labs, Animal house and Computational System Biotechnology Lab. The Department received Research Grants (1.7 Crore) from various funding agencies such as SERB, ICMR, AICTE, CTS and also several grants for organizing Short Term Training courses, Workshops, Faculty Development Programmes from various funding agencies such as DBT, SERB, ICMR, CSIR and EDII.

SVCE has State of the art research facilities such as Research Lab, Animal House, Plant and Animal Tissue Culture Lab, Genetic Engineering Lab, carryout research in various fields. Advanced Bioprocess and Downstream Processing Lab to

Students are encouraged to take up Entrepreneurship through Entrepreneurship Development Cell under SVCE-EPIC Scheme.

PROGRAMME OBJECTIVE

The world economy depends on energy. In this context, India is energy deficient and importing 72% of its total energy requirement. Alternate fuels can fill India's energy gap. Particularly, microalgae are being researched as the leading source for next-generation biofuels.

The objective of the workshop is to transmit the facts and information about open pond mass cultivation, in-situ pond monitoring, optimization of outdoor growth, and microalgal biofuel and associated bio-products. Further, hands-on experience will be provided in media preparation for outdoor mass cultivation of microalgae, inoculation, cultivation, monitoring contamination, harvesting, purification and biochemical analysis of biofuel and value-added products. Through this programme, the participants will be also able to interact with experts from industry and academic institution and thereby enhancing their skills in the above fields.

EMINENT SPEAKERS

1. **Dr. Senthil Chinnasamy**
Chief Technology Officer at Biotechnology Division of ABAN group
Chennai
2. **Dr. Ashwin Kumar**
Senior Research Scientist at Intas Pharmaceuticals Ltd. (Biopharma Division)
Ahmedabad

COURSE CONTENT & SCHEDULE

The workshop consists of series of hands-on-sessions on microalgal biofuel and biorefineries. The content is as follows:

- Microalgae isolation, identification and characterization through microscopic examination
- Phototrophic, heterotrophic and mixotrophic cultivation of microalgae
- Open pond mass cultivation in outdoors
- Harvesting of microalgae
- Analysis of bioproducts including Omega 3 fatty acid, Carotenoids, Biodiesel, etc

This workshop would also include informative lectures on microalgae industrial production and bioproducts by eminent speakers.

VENUE AND DURATION

This Workshop is organized at Sri Venkateswara College of Engineering (Autonomous), Pennalur, Sriperumbudur, Tamilnadu, India, during October 3-4, 2019.

TRANSPORTATION & ACCOMMODATION

The participants can avail the SVCE bus facility to attend this workshop. For route details, please refer www.svce.ac.in. Accommodation has to be taken care by the participants itself.

DATES TO REMEMBER

Last date for e-mail registration : 25.09. 2019
Last date for registration with DD : 30.09. 2019
For further clarifications please e-mail to

svcemicroalgae@gmail.com

Attendance for Masscultivation of microalgae workshop

Sl. No.	Name	3/10/2019	4/10/2019
1	G Sowndarya	/	/
2	J Yogasri	/	/
3	P logeswari	/	/
4	Sathish Kumar	/	/
5	Ashwini s	/	/
6	Dhithya V	A	/
7	Madhumitha K R	/	/
8	Sowmiya V	/	/
9	Jananisri A	/	A
10	Dinesh M U	/	/
11	Dhanushiya N	/	/
12	Brindhaa R	/	/
13	Loganayaki S	/	A
14	Nandhini ishwarya S	/	/
15	Pavithra J	/	/
16	Karthikeyan R	/	/
17	Kalainesan	/	/

A. [unclear]



Prof. E. NAKKEERAN, M. Tech., Ph.D.
Professor & Head
Department of Biotechnology
Sri Venkateswara College of Engineering
Sripurambudur T.S. - 602 117, Tamil Nadu, INDIA

DEPARTMENT OF BIOTECHNOLOGY

**REPORT ON “MASS CULTIVATION OF MICRO ALGAE FOR PRODUCTION OF
BIOFUEL AND BIOREFINERIES”**

3rd and 4th October 2019

The Department of Biotechnology, Sri Venkateswara College of Engineering conducted the National workshop on "Mass cultivation of micro algae for production of biofuel and biorefineries" on 3rd and 4th October 2019. The inaugural function commenced with a prayer song at 9.20 am. The welcome address was delivered by Prof. Nakkeeran E followed by the patron address by Prof. S. Ganesh Vaidyanathan, our honourable principal. Prof. M. Sivanandham, our respected Secretary, SVEHT then enlightened us with his words of wisdom. Dr. Senthil Nagappan A introduced and welcomed our Chief Guest, Dr. Subramanian V, Director, Phycospectrum Consultants Pvt. Ltd. who then lighted the Kuthuvilakku and gave a very inspiring talk.

After lunch break, series of hands-on sessions on micro fuel biofuel and biorefineries was conducted. The topics covered were:

- 1 Microalgae isolation, identification and characterization through microscopic examination.
2. Phototropic, heterotrophic and mixotrophic cultivation of microalgae.
3. Open pond mass cultivation in outdoors.

On day 2, the hands-on workshop was continued on the following topics:

1. Harvesting of microalgae.
2. Analysis of bioproducts using omega 3 fatty acid, Carotenoids, Biodiesel, etc.

This was then followed by a guest lecture by Mr. Senthil Rajan, Manager, United Alacrity Pvt.Ltd and the valedictory function was commemorated by chief guest. The event came to an end with the Certificate Distribution and Vote of Thanks.

Photos captured during the event



Dr. V. Sivasubramanian, Director, Phycospectrum Consultants PVT LTD and Director, Phycolinc Technologies LTD, Chennai delivered guest lecture in National Workshop On "Mass Cultivation of Microalgae for Production of Biofuel and Biorefineries"

Prepared by

Dr. A. Senthil Nagappan, AP/BIO

Approved by

Prof. E. Nakkeeran, HoD BIO

Prof. E. NAKKEERAN, M. Tech., Ph.D.
Professor & Head
Department of Biotechnology
Sri Venkateswara College of Engineering
Sriperumbudur Tk - 602 117, Tamilnadu, INDIA