

Algal biomass and bio-products characterization coupled with wastewater treatment



ONE MONTH TRAINING AND SKILL INTERNSHIP



(Under the scheme VRITIKA by SERB, Govt. of India)

Organized by

BSBE, Indian Institute of Technology Indore

Duration: 1st-30th June 2023



Vritika (Training & Skill Internship)

This program aims to provide opportunities to promising PG students from universities and colleges to get exposure and hands-on research skill development experience. These internships will primarily be facilitated by organizations / institutions / laboratories of national importance such as IITs, IISc, IISERs, NITs, CSIR, ICAR etc.

Course Details

In this duration the selected candidates will get hands on training on the culturing techniques of different algal species, the characterization of algal biomass using several sophisticated instruments. The course will revolve around acquainting participants with advanced analytical instruments such as GC-MS.

Who Can Apply?

PG and PhD students from academic and research institutions in India. The participants have to be physically present at IIT Indore.

Important Dates

Last date of Application: 20th May, 2023

List of selected candidates will be announced on: 21st May 2023

For further updates please visit:

<https://sites.google.com/view/aetsiiti>



Programme Overview

The internship program intends to provide the opportunity to promising research scholars with insight into algal biotechnology and monitoring of wastewater. The aim of this program is to explore the various aspects of algae including their identification, types, cultivation, and maintenance of cultures in research laboratories. The program also deliberates to highlight the instrumentation techniques for the characterization of high-value products derived from algae. This includes metabolite characterization using GC-MS, isolation of DNA for the molecular characterization. In this program the participants will receive a hands-on training on metabolic profiling of different microalgal species which will help to identify the metabolic pathways that are involved in production of value-added products.

About IIT Indore

Indian Institute of Technology Indore (IIT Indore) is a prestigious institution in the state of Madhya Pradesh. The Department of Biosciences and Biomedical Engineering (BSBE) at IIT Indore applies scientific and engineering approaches to advance fundamental understanding and applications in biology and biomedical engineering.

Course Faculty



Dr. Kiran Bala
Associate Professor, BSBE
IIT Indore

Important Details

- Five enthusiastic candidates (3 PG & 2 PhD) will be selected
- The candidates have to abide by the rules and regulations of the institute during their stay
- Participants who complete the course have to submit a report in order to obtain their certificates
- Food & accommodation will be taken care of by the organizers
- No Registration fees
- Travel allowance (TA) will be reimbursed as per the GOI norms.

How to Apply

Applicants can fill the google form available by clicking on the below link or may proceed by scanning the following QR Code:

<https://forms.gle/kGWK7iXnxz6ELq7t6>

