



TEQIP –II Sponsored  
Two Days National Workshop on

“ALGAL TECHNOLOGY AND ITS  
APPLICATIONS”

Registration form

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National Institute of Technology Calicut (NITC) is one of the premier technical institutions in India. NIT Calicut has a beautiful campus on the Calicut-Mukkam state highway, 22 km from Calicut City and 45 km from Calicut International Airport. The institute offers 10 undergraduate and 30 postgraduate programmes apart from Ph. D programmes under different Departments and Schools. The institute has excellent infrastructure in computing, information technology, laboratories and library including the hi-tech Nalanda digital library and round the clock internet access at 20 Mbps.



ADDRESS FOR CORRESPONDENCE

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Two Days National Workshop  
on

ALGAL TECHNOLOGY  
AND ITS  
APPLICATIONS

March 17-18, 2017

Coordinators

Dr. A. Shaija

Dr. V. Sivasubramanian

Dr. Suchithra T. V

Organized by

Department of Mechanical Engineering

Department of Chemical Engineering

School of Biotechnology

NATIONAL INSTITUTE OF  
TECHNOLOGY CALICUT  
NIT CALICUT (PO), CALICUT-673 601  
KERALA

## INTRODUCTION

**Algae** are a diverse group of macro or micro photosynthetic organisms that inhabit freshwater and marine environments. Algae biomass has the potential to contribute to outstanding progresses towards a sustainable environment with low impact on economy. Recent research had brought to light multiple uses of algae for tackling global environmental issues. Algae has been studied to be an efficient feedstock for biodiesel production, has uses in pharmaceutical industry, health-care products, is a source of food, is capable of electricity generation and waste water treatment, etc. The workshop will cover all important aspects of algal research, including its biology, algal biomass production, bioproducts from algae, cultivation, harvesting, extraction, bioreactors, feedstock conversion into fuels ,etc.



## CONTENTS

- **Fundamentals of Algal technology**
- **Algae cultivation methods**
- **CO<sub>2</sub> sequestration by Algae**
- **Biofuel production from Algae**
- **Down stream processing of Algal products**
- **Characterization and utilization of Algae biofuels**
- **Waste water treatment using Algal biosorption**
- **Electricity generation from Algae**
- **Algal pigments**
- **Algal probiotics**

### WHO SHOULD ATTEND?

This is an interdisciplinary programme. We would like to encourage everyone who are interested in microalgae biotechnology, especially teachers with specialization in any engineering or science stream having interest in algae are eligible to apply. The candidates with specialization in Mechanical/ Chemical/ Biotechnology shall be given preference. Research scholars and PG/UG students can also apply.

### ACCOMMODATION

The participants can be provided accommodation within NITC campus on payment of additional charges subject to availability.

## IMPORTANT DATES

Last date of receipt of fully filled application:  
8/03/2017

Intimation of selection: 10/03/2017

### REGISTRATION FEE

Academicians from Institutes	: Rs.1000
Research scholars	: Rs.500
UG/PG students	: Rs.300
Industry Personnel	: Rs.2000

The registration fee shall be paid through a crossed demand draft drawn in favour of “THE DIRECTOR NITC”, payable at SBI, NITC Branch Chathamangalam, and has to be sent along with the registration form.

### HOW TO APPLY

Application in the attached format along with the demand draft towards registration fee should reach the Coordinator on or before 8/03/2017. The registration form can also be downloaded from the institute website ([www.nitc.ac.in](http://www.nitc.ac.in))

### SELECTION

Selection will be on first come first served basis. Total number of participants for the workshop is limited to 50. Candidates selected will be intimated on 10/03/2017 through e-mail. All further communications also will be through e-mail only. On the spot registrations are also allowed.