

# International Virtual Workshop

On

## Biofuel Production & Processing

22<sup>nd</sup> to 25<sup>th</sup> February, 2021.

### SUPPORTED BY



Scheme for Promotion of Academic and Research Collaboration

MINISTRY OF EDUCATION,  
GOVT. OF INDIA.



### HOSTED BY

MADANJEET SCHOOL OF GREEN ENERGY  
TECHNOLOGIES

Department Of Green Energy Technology,  
PONDICHERRY UNIVERSITY, INDIA.



UFRJ



### ORGANIZED BY

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### DEPARTMENT OF GREEN ENERGY TECHNOLOGY

The DGET, Pondicherry University, has been founded in the year 2010 to cater to the research and human resource in the field of new and renewable energy. The department is supported by Ministry of New and Renewable Energy for M.Tech. and Ph.D. fellowships. Currently, the department conduct two years M.Tech. Green Energy Technology course and offering Ph.D. Programme in all major renewable energy disciplines, namely, Photovoltaic, Solar Thermal, Energy Storage, Bioenergy and Energy Materials. DGET also admit international students from SAARC countries in the M.Tech. programme sponsored by South Asia Foundation.

## About the Workshop

This workshop will be a meeting point of scientific experts in the use of biomass for renewable energy production in order to give attendees the opportunity to know the cutting edge of the research activities and consider needs and solution for these themes. The scientific program of the workshop consists of several invited lectures from distinguished speakers for a variety of technologies and processes to support domestic production of biofuels, bio-based chemicals, and biopower. Four days' workshop of discussion on the current state of technology and barriers to commercialization of biological and chemical processes that convert biomass to biofuels and bioproducts.

## About SPARC

The Scheme for Promotion of Academic and Research Collaboration (SPARC) aims at improving the research ecosystem of India's Higher Educational Institutions by facilitating academic and research collaborations between Indian Institutions and the best institutions in the world from 28 selected nations to jointly solve problems of national and/or international relevance.

## Who Can Participate?

The workshop is aimed at disseminating state of the art technological trend in biofuel production and processing and associated research direction to emerging researchers, young faculty members. Postgraduates students of Science and Biotechnology who wish to pursue a carrier bioenergy discipline can also apply. Interested should send request giving information in the prescribed format.

Interested participants shall can send email request with following information:

- 1.Name.
2. Designation/ Programme of Study (for students)
3. Institution/University/Department details
- 4.Highest Qualification
5. Email Address
6. Mobile Number/Contact Number

Link to Access the conference along\_with other necessary instruction shall be sent to all accepted participants two days prior to start of the workshop.

## Advisory Committee

**Prof. Gurmeet Singh,**  
*Vice Chancellor, Pondicherry University.*

**Prof.S.Balakrishnan**  
*Director, Studies, Educational Innovation & Rural Reconstruction, PU.*

**Prof. Pratab Kumar Shetty**  
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*Dept. of Physical Chemistry, Federal University of Bahia, Brazil.*

**Dr.S.Gajalakshmi**  
*Head, Dept. of Pollution Control and Environmental Engg, PU.*

**Dr.R.Arun Prasath Co-convener**  
*Dept. of Green Energy Technology, PU.*

## SCHEDULE OF THE WORKSHOP (Indian Standard Times)

### DAY-1 : 22<sup>nd</sup> Feb. 2021

Inaugurals – 4.30 – 5.30

Talk 1 – 5.30 – 6.30

Talk 2 – 6.30 – 7.30

### DAY-2 : 23<sup>rd</sup> Feb. 2021

Talk 3 – 4.30 – 5.30

Talk 4 – 5.30 – 6.30

Talk 5 – 6.30 – 7.00

Talk 6 – 7.00 – 7.30

### DAY-3 : 24<sup>th</sup> Feb. 2021

Talk 7 – 4.30 – 5.30

Talk 8 – 5.30 – 6.30

Talk 9 – 6.30 – 7.30

### DAY-4 : 25<sup>th</sup> Feb. 2021

Talk 10 – 4.30 – 5.00

Talk 11 – 5.00 – 6.00

Talk 12 – 6.00 – 6.45

Talk 13 – 6.45 – 7.30

VALIDICTION 7.30 -8.00

# RESOURCE PERSONS, TOPICS & TALK-SCHEDULE



**Dr. Krishnaswamy Rajagopal**  
Professor Emeritus, Universidade Federal Do Rio De Janeiro, BRAZIL.

**TALK 1: Transition to Biofuel: Challenges & Prospects**  
**TALK 11: Biorefineries**



**Dr. Donato Alexandre Gomes Aranda**  
Professor, Escola de Quimica, Universidade Federal Do Rio De Janeiro, BRAZIL.

**TALK 2: Topics on catalysis & applications for biofuels.**



**Dr. N Tajuddin**  
Professor, Dept. of Microbiology, Bharathidasan University, INDIA.

**TALK 3: Screening, cultivation & optimization strategies of microalgae for biodiesel production.**



**Dr. Emerson Andreas Sales**  
Professor, Instituto de Quimica – Departamento de Fisico-Quimica, Universidade Federal da Bahia, BRAZIL.

**TALK 4: Novel methods of algal culture- large-scale biomass harvest from algal biofilm**



**Dr. B M Jaffar Ali,**  
Professor, Dept.t of Green Energy Technology, Pondicherry University, IDIA.

**TALK 5: Photocatalysis for biomass deconstruction & CO<sub>2</sub> reduction: Biofuel perspective.**



**Mr. Vignesh K.,** Research Scholar,  
Dept. of Green Energy Technology, Pondicherry University, INDIA.

**TALK 6: Application of response surface methodology in algal culture process.**



**Dr. V Sivasubramanian**  
Director, Phycospectrum Pvt. Ltd., INDIA.

**TALK 7: Algal technology for phytoremediation & effluent treatment**



**Dr. R Vinu**  
Associate Professor, Dept. of Chemical Engineering, Indian Institute of Technology Madras, INDIA.

**TALK 8: Biomass pyrolysis- novel methods of bioenergy conversion & bio-oil production.**



**Dr. S M Tauseef**  
Professor & Head, Dept of HSE & Civil Engineering, Assistant Dean (Research), School of Engineering, University of Petroleum Energy Studies, Dehradun, INDIA.

**TALK 9: Design & modelling of bioreactors using CFD**



**Dr. R Arun Prasath,**  
Asst. Professor, Dept. of Green Energy Technology, Pondicherry University, INDIA.

**TALK 10: Magnetic hybrid catalysts for transesterification.**



**Mr. Rodrigo Gomes G,** Research Scholar,  
Instituto de Quimica – Departamento de Fisico-Quimica, Universidade Federal da Bahia, BRAZIL.

**TALK 12: Case study on biorefinery approach**



**Dr. Carol Viegas,** Postdoctoral Fellow,  
Escola de Quimica, Universidade Federal Do Rio De Janeiro, BRAZIL.

**TALK 13: Microalgae biomass & its conversion to commercial products**