



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

Deemed to be University

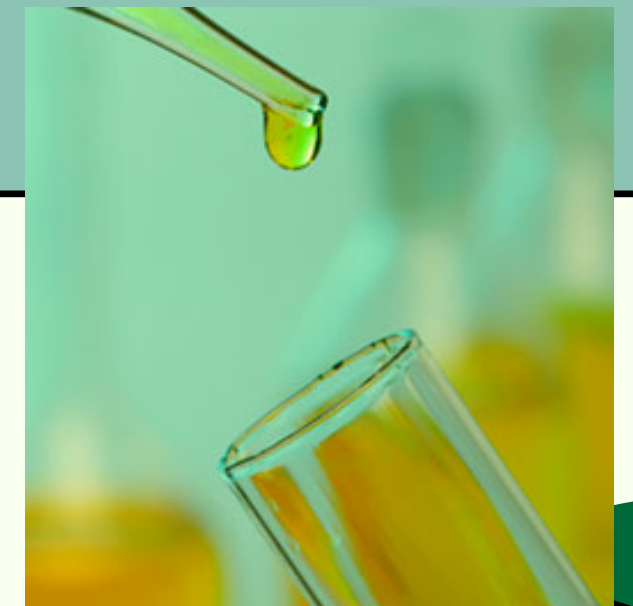


Centre for Waste Management

Centre of Excellence for Energy Research

One-day Training cum Workshop on Biomass Fermentation and Distillation for Bioethanol Production

Date: 22/02/2025



About the Centre

The centre for waste management and the centre of excellence for energy research were founded with the goal of developing new ideas and technologies to achieve a cleaner, greener and sustainable environment. Since its inception in 2011, the centre has been involved in research leading to innovative products, developing patent-liable novel ideas in waste management, publishing the experimental results in indexed/peer reviewed journals, training programme for graduate/research students, offering consultancy services with the facilities available, and engaging in several outreach activities to disseminate and demonstrate the research findings for the benefit of society.

About the Programme

The term "biomass" describes the organic material that is utilized to produce energy known as "bioenergy." The main sources of biomass are living or recently living plants, as well as biological waste from commercial and residential use. The process of energy conversion from biomass includes thermal conversion, chemical conversion, biochemical conversion and electrochemical conversion. This training program provides an opportunity to understand the various source points for the generation of biomass, its characterization by proximate analysis, extraction of lignin, hemicellulose and cellulose, fermentation and distillation. This training programme will address sustainable development goals (SDGs) 1,7,11 and 13.

Highlights:

- Hands-on training on Separation of Lignin, Cellulose and Hemi-cellulose.
- Biomass fermentation and distillation.
- Alcohol detection.
- Centre for Waste Management laboratory facilities visit.

To registration:

<https://docs.google.com/forms/d/1YhrEtPleS8hSNAXDKcy6wQo60c6-TWwKi3R8tw88ChQ/edit>

To Know about us please follow

<https://www.centreforwastemanagement.com>

<https://www.youtube.com/channel/UCxBcv3nd9oXoNqJfBVRu9wg>

Registration fee for students: Rs. 500

Faculty: Rs.750

Account number: 6500955039

IFSC Code: IDIB000S201

Bank name: Indian bank

Account name: Vice Chancellor,

Sathyabama Institute of Science and Technology

Venue

Oral session- Next-Gen lab

(Second floor)

Hands-on training - Biofuel lab

(Third floor)

International Research Centre

Patrons

Dr. Mariazeena Johnson, Chancellor

Dr. Marie Johnson, President

Mr. J. Arul Selvan, Vice President

Ms. Maria Bernadatte Tamilarasi, Vice President

Ms. Maria Catherine Jayapriya, Vice President

Dr. T. Sasipraba, Vice Chancellor

Organizing secretary

Dr. Dawn S S, Professor (Research)

Conveners

Dr. P. Priyadharsini, Assistant Professor (Research)

Dr. J. Arun, Assistant Professor (Research)

Dr. N. Nirmala, Assistant Professor (Research)

Contact us

Dr. P. Priyadharsini

Centre for Waste Management

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Email Id: centreworkcwm@gmail.com

**Time:
9am to 3.15pm**

**Certificate &
Lunch
will be provided**