

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 Proximate Analysis and Characterization of Biomass for Bioethanol Production

Date: 24/05/2025



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 and various methods available for energy recovery from biomass. This training programme will address sustainable development goals (SDGs) 1,7,11 and 13.



Highlights

- Hands-on training on proximate analysis (moisture content, volatile matter, ash and fixed carbon content).
- Applications of ultimate analysis, bulk density and calorific value determination.
- Importance of biofuels for sustainable environment.
- Center for Waste Management laboratory facilities visit.

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)
Dr. A. Santhosh, Project Coordinator (STI-HUB)

Venue

Oral session- Next-Gen lab
(Second floor)
Hands-on training - Biofuel lab
(Third floor)
International Research Centre

To register:

<https://docs.google.com/forms/d/1zM4KIjzOX66U8iV81Rb0LX8X9RONiUC6oi7eO5SsjG4/edit>

Registration Fee: Rs. 500

Account number: 6500955039
IFSC Code: IDIB000S201

Bank name: Indian bank
Account name: Vice Chancellor,
Sathyabama Institute of Science and Technology

Time

9am to 3.15pm

Certificate &
Lunch
will be provided

Contact us

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<https://www.centreforwastemanagement.com>
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