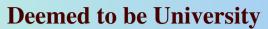


### **SATHYABAMA**

#### INSTITUTE OF SCIENCE AND TECHNOLOGY



## Centre for Waste Management







# One-day Training cum Workshop on Proximate Analysis and Characterization of Biomass for bioethanol production Date: 24/11/2023

#### 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.

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#### **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

#### To register:

https://docs.google.com/forms/d/1G91cKN0Ko9A Lb3VB\_6g3Ey0U3xSOILkSf0CQP\_PjMRs/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

To Know about us please follow

#### Website:

https://www.centreforwastemanagement.com

Youtube:

https://www.youtube.com/channel/UCxBcv3nd9o

XoNqJfBVRu9wg

#### **Organizing secretary**

Dr. Dawn S S, Professor (Research)

#### Conveners

Dr. P. Priyadharsini, Scientific Assistant

Dr. Sathish Kumar, Associate Professor (Research)

Dr. J. Arun, Assistant Professor (Research)

Dr. N. Nirmala, Assistant Professor (Research)
Dr. Sivasakthi, M.Assistant Professor (Research)

consultancy
services for
biomass
characterization
and bio fuels
production

We offer

#### **Contact us**

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