



Sathyabama

Institute of Science and Technology
Deemed to be University



Centre for Waste Management
Centre of Excellence for Energy Research

One day Training on

**Biodiesel Production and Characterization as per ASTM Standards
for Industry Experts and Entrepreneurs**

Centre for Waste Management, Centre of Excellence for Energy Research is organizing a One Day Training on Pilot Scale Biodiesel Production and Characterization as per ASTM standards. The scientific team has expertise in Biodiesel production from various sources including Waste cooking oil, Algal oil, Beef tallow, Goat fat, Rice bran oil and many other edible and non-edible oils. Register for the training to explore more !!

Date:20/01/2024

Training Highlights

Biofuels-Introductory concepts
Production & Performance Evaluation
Lab scale Biodiesel Production
Acid number , Moisture content , Density,
Viscosity, Corrosion measurements
Flash and Fire point measurements
Biodiesel Pilot plant operation
Biodiesel Washing and Drying techniques
Biodiesel & Blends Calorific value measurements
Cloud and Pour point measurements

Patrons

Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Mr. J. Arul Selvan, Vice President
Mrs. Maria Bernadette Tamilarasi, Vice President
Ms. Mariya Catherina Jayapriya, Vice President
Dr. T. Sasipraba, Vice Chancellor

Conveners

Dr. Dawn S S, Professor (Research), CWM
Mr. Santhosh A, Project Coordinator, STI-Hub, CWM

Co-Conveners

Dr. J. Arun, Assistant Professor (Research), CWM
Dr. Nirmala N, Assistant Professor (Research), CWM
Dr. Sivasakthi M, Assistant Professor (Research), CWM
Dr.R.Sathish Kumar, Associate Professor (Research), CWM
Dr. Priyadharsini P, Scientific Assistant, CWM

Organizing Team

Mr. Sanjay Kumar S, Project Assistant STI-Hub, CWM
Ms.Bhuvanewari A, Project Assistant, STI-Hub, CWM
Mr. Jayakanth J, Project Assistant, STI-Hub, CWM
Ms.S.V. Sivasankari, Project Associate , CWM
Ms.J.Merlin, Research Scholar, CWM

Registration fee
**Rs.10,000/- for
Industry**



Contact Information

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SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

[DEEMED UNIVERSITY]

Centre for Waste Management

Centre of Excellence of Energy Research

One day training on Pilot Scale biodiesel production and Characterization as per ASTM Standards

Programme schedule

Date: 20/01/2024

Time	Experiment details
9.00 am to 9.30 am	Registration
9.30 – 10.50 am	Pilot scale biodiesel production FFA, Density, Viscosity, Moisture content test analysis, Cloud and Pour point, Copper strip corrosion
High tea 10.15 am – 11.00 am	
11.00 am – 11.30 am	Cost benefit analysis Economics and Licensing
11.30 am-12.30 pm	Pilot scale biodiesel production
12.30 pm – 1.00 pm	Calorific value Biodiesel analysis, Flash and Fire point
Lunch time 1.00 pm – 2.00 pm	
2.00 pm – 2.30 pm	Biodiesel washing and drying process
2.30 pm – 3.00 pm	Evaluation of oil sources for Biodiesel Production Discussion Participants' Feedback