



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

Deemed to be University



Centre for Waste Management

Centre of Excellence for Energy Research

Organize

Two Weeks Intensive Training on Resourceful Waste Conversion Technologies ReConverT-2023 : Series-1

Duration : 27th March - 8th April 2023

(*Duration can be changed as per participants request when registering in large groups)



Atomic Absorption Spectroscopy



Gas Chromatography- Flame Ionization Detector & Thermal Conductivity Detector (GC- FID/TCD)



Biodiesel Plant



Biogas Plant

Schedule

Day 1	Waste Characterisation by Proximate Analysis	Day 8	Small Scale Production of Geo-polymer Composites from Industrial byproducts
Day 2	Bench Scale Biodiesel Production from Waste Cooking Oil	Day 9	Biofuels - Combustion Related Properties Evaluation as per ASTM methods
Day 3	Pilot Scale Biodiesel Production from Waste Cooking Oil	Day 10	Biofuels - Flow Related Properties Evaluation as per ASTM methods
Day 4	Lab Scale Bioethanol Production from Agricultural waste	Day 11	Compositional Analysis for Solvents & Biofuels using GC-FID
Day 5	Biogas Production from Food waste	Day 12	Water / Waste water Quality Analysis as per ASTM Methods
Day 6	Production of Activated Carbon from Food waste	Day 13	Heavy Metal Analysis in contaminated effluents Using Atomic Absorption Spectroscopy
Day 7	Bio-char Production from Agricultural Waste using Hydrothermal Reactor	Day 14	NMR Spectroscopy & CHNS Analysis - Theoretical Concepts Introduction to waste audit

Patron

Dr. T. Sasipraba, Vice-Chancellor

Conveners

Dr. Dawn S S, Professor (Research), CWM

Dr.J. Arun, Assistant Professor (Research), CWM

Dr. Nirmala N, Assistant Professor (Research), CWM

Dr. Sivasakthi.M, Assistant Professor (Research), CWM

Dr. P. Priyadharsini, Scientific Assistant, CWM

Co-Conveners

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

Ms. A. Bhuvaneshwari, Project Assistant

Mr.J.Jayakanth, Project Assistant

Contact us

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To Know about us please follow:

Website: www.centreforwastemanagement.com

Youtube: [Click Here](#)

To Register: [Click Here](#)

Registration Fee

Students: Rs. 2500 /-

Research Scholars & Faculty : 3000/-