



CSIR - CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE

(Under Ministry of Science and Technology, Govt. of India)

Mahatma Gandhi Avenue, Durgapur – 713 209

West Bengal, India

www.cmeri.res.in



Three Days Skill Development Training Program on
PLASTIC WASTE DISPOSAL AND FUEL RECOVERY –
CHARACTERIZATION THROUGH GAS CHROMATOGRAPHY



Venue: CSIR-CMERI, Durgapur

Date: 22nd – 24th November 2022

CSIR-Central Mechanical Engineering Research Institute (CSIR-CMERI), the only national laboratory dedicated to Mechanical Engineering, carry out dedicated research and development over a broad spectrum of mechanical engineering and allied disciplines of science and technology. The Environmental Engineering Group of CSIR-CMERI carry out dedicated R&D efforts towards solid waste management and their disposal such as plastic waste. The group has developed plasma gasification and pyrolysis process for plastic waste disposal and energy recovery, a number of which have been commercially exploited through licenses.

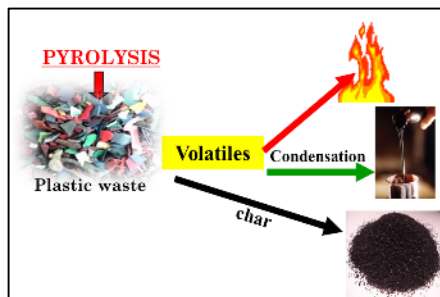
Versatile, low cost material and wide range of application are the properties which makes plastic as the fastest growing market. Since the life of plastic is relatively small, a vast stream reaches each year to become waste which creates a serious threat to the environment. To alleviate part of our energy crisis and environmental degradation, it has become imperative to make use of appropriate technologies for recovery of resources from plastic waste.

Who can participate / Eligibility Criteria:

Unemployed Youth with a Bachelor / Master degree or equivalent in Science or Engineering or a related discipline (pursuing or pass out) can apply / participate. (In a Batch, 8-12 nos. participants are required to organize this Training Program). Participants complete the training in a period of 3 days with the workload of both theoretical knowledge and hands-on training on plastic waste disposal.

Objectives of the Training:

- Awareness about plastic waste disposal and its management, theoretical knowledge, available processes for disposal & recovery of value added products.
- Hands-on training on pyrolysis/catalytic pyrolysis experiments using different waste plastics for their disposal & fuel recovery.
- Testing and characterization of products using sophisticated analytical instruments [Gas chromatograph (GC) etc.] and reporting.



Training course duration: 03 days (THREE DAYS)

Course Fee: Rs. 1000/- (Rupees One Thousand)

[The course fee includes Registration kit, Tiffin, Lunch & Tea for the 3 training days' period. The course fee does not include lodging. However, Institute hostel accommodation may be made available (depends on availability) on chargeable basis]

Certification: After successful completion of the training, participation certificate will be provided to the participants.

For details, interested participants may contact: Dr. Biswajit Ruj, Chief Scientist & Coordinator, bruj@cmeri.res.in (9474372196) / Dr. RR Sahoo, Head and Principal Scientist, rr_sahoo@cmeri.res.in (8016280116), Environmental Engineering Group, CSIR-CMERI, Durgapur-713209, West Bengal.

NOTE:

We also offer:

(i) **ONE MONTH** Skill Development Training Program on “Analysis & Assessment of Water & Wastewater using Sophisticated Instruments”. Entry: Throughout the Year.

(ii) **3 days** training program (Under skill initiative) on “Analytical Techniques and Instrumentation for Water Quality Assessment”.