



Weekly Seminar Program – (2023-24)
Department of Physics – Bharathiar University
Coimbatore- 641046

Seminar-6



Mr. Mohamed Apsar J.

Research scholar (II Year)
Plasma Modelling and Simulation Laboratory,
Department of Physics, Bharathiar University.

Speaks on
“Thermal Plasma in Waste Treatment”

Abstract

Wastes emerged as an opportunity to generate valuable materials and products for human demands. Particularly in non-developed countries, recycling of resources has become a prominent revenue source for society. Numerous research works and new technologies have been conducted and developed for managing different types of waste around the world. Recently, plasma technology has been emerging as a novel technique in high-temperature material processing. Thermal plasma technology is being used for the destruction and recycling of wastes in addition to its applications such as synthesis of fine powders, waste destruction, gasification, ore beneficiation, etc. Even though the opportunities for thermal plasma technology are widespread in waste management, the plasma processes are highly complex and involve multi-physics. These issues are being addressed in detail to enable more extensive use of this technology. To create awareness about the importance of plasma waste treatment, waste management, conventional methods, and thermal plasma technologies for treating the waste are going to be outlined in this presentation.

About the Speaker

Mr. Mohamed Apsar J is from Theni and has completed his undergraduate in Physics at HKRH College (Autonomous) Uthamapalayam, Theni, and his postgraduate in Physics at Bharathiar University, Coimbatore. His broad field of research is centered on Thermal Plasma waste material processing. He is currently focusing on the recovery of value-added materials from E-waste and Industrial wastes.

Venue: Sir C.V. Raman Hall

Date: 02.09.2023 (Saturday)

Time: 10.00 am

Kindly be seated by 10:00 am and switch off your mobile phone during the lecture.

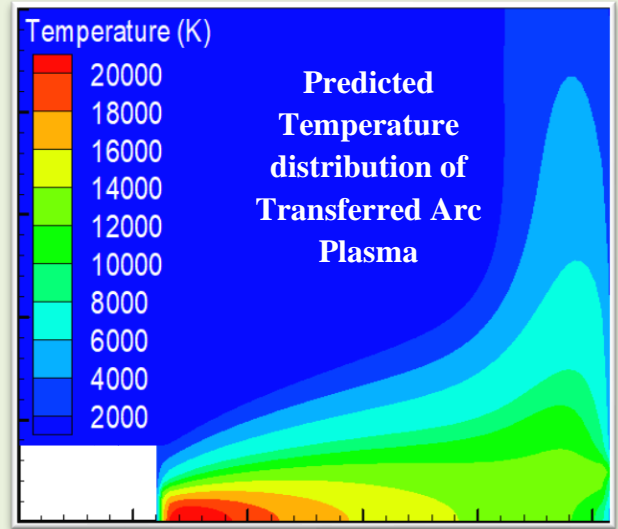
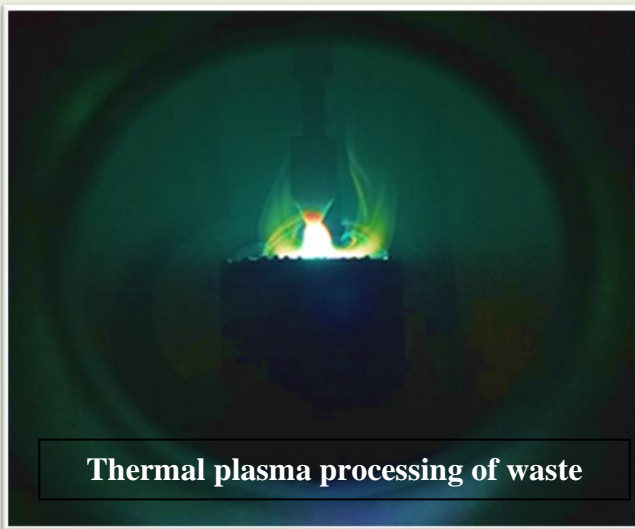
All are cordially invited.

Coordinator (General Seminar)

Head of the Department

Agenda

Time	Event	Name	Designation
10. 00 am	குறள் வணக்கம்	Ms. Indhuja H	II M. Sc., (Physics)
10. 05 am	Biography of Scientists (Dr. Tessy Thomas)	Ms. Deeptha D	I M.Sc., (Physics)
10. 10 am	Recent Physics News	Ms. Simantha Sri M	II M. Sc., (Physics)
10. 15 am	Seminar	Mr. Mohamed Apsar J	Research Scholar, Plasma Modelling and Simulation Laboratory
10. 45 am	பாரதியின் குரல்	Ms. Priyanga Sridevi R	I M.Sc., (Physics)



Tea & Snacks at 10.50 am