



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

Seminar-7



Ms. Kausalya A.

Research scholar (II Year)
Atomistic Simulation Laboratory,
Department of Physics, Bharathiar University.

Speaks on
“Alternative Energy Technologies: Fuel cells”

Abstract

Owing to the high theoretical energy density and low environmental impact, regenerative fuel cells, rechargeable metal-air batteries and water electrolysis are considered as new energy systems. Fuel cells are electrochemical devices that directly convert chemical energy to electrical energy. In which it require a continuous input of fuel and an oxidizing agent (generally oxygen) in order to sustain the reactions that generate the electricity. Also, fuel cells do not cause harmful gas emissions and thus it is considered environmentally friendly. These cells can constantly generate electricity until the supply of fuel and oxygen is cut off. In this presentation, the different types of fuel cells and their working principles with some applications are enumerated.

About the Speaker

Ms. Kausalya A is from Kerala and has completed her undergraduate in Physics at Nadar Saraswathi College of Arts and Science, Theni, and her postgraduate in Physics at PSGR Krishnammal College for Women, Coimbatore. Her broad field of research is centered on energy conversion technologies. She is currently exploring highly effective carbon-based electrocatalysts for fuel cell and water splitting process.

Venue: Sir C.V. Raman Hall

Date: 12.09.2023

Time: 10.00 am

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

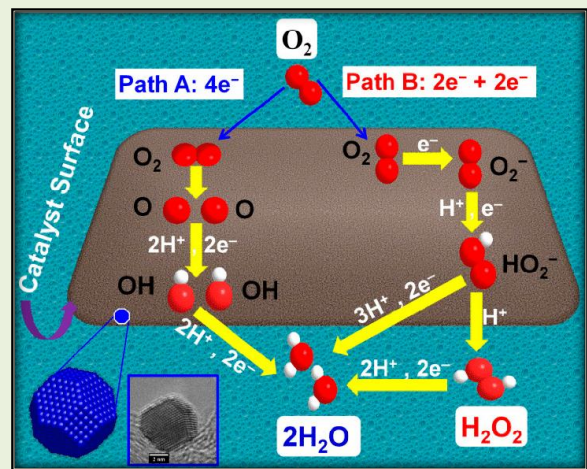
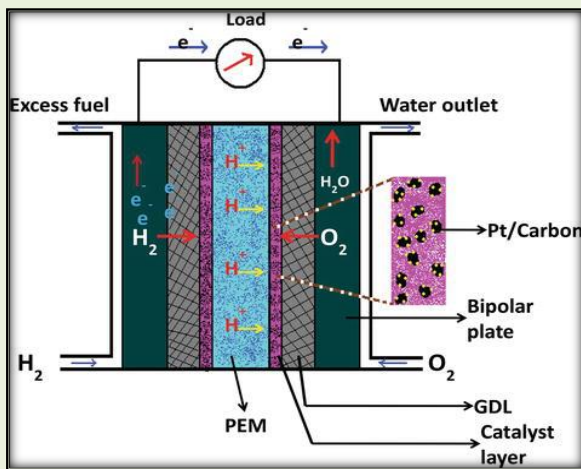
All are cordially invited.

Coordinator (General Seminar)

Head of the Department

Agenda

Time	Event	Name	Designation
10. 00 am	குறள் வணக்கம்	Ms. Jaya Priya S	II M. Sc., (Physics)
10. 05 am	Biography of Scientists (Dr. Meghnad Saha)	Ms. Dhivyabharathi K	I M.Sc., (Physics)
10. 10 am	Recent Physics News	Mr. Sathiyarayanan R	II M. Sc., (Physics)
10. 15 am	Seminar	Ms. Kausalya A	Research Scholar, Atomistic Simulation Laboratory
10. 45 am	பாரதியின் குரல்	Ms. Srimathi V	I M.Sc., (Physics)



**Department of Physics
Bharathiar University**

Tea & Snacks at 11.00 am