



# 2-Days Online Workshop

on

# Electrochemical Catalysis for energy conversion and storage application (ECECS)



- **Duration :** 2-days
- **Date:** 30<sup>th</sup>-31<sup>st</sup> March, 2022
- **Timing:** 10 am - 4 pm
- **Eligibility:** B. Tech CHE, ME, EE, CE, Nano, and Environ Engg. and M.Sc. (Physics and Chemistry)
- **Mode:** Online
- **Number of Seats:** 30

## HIGHLIGHTS

- ✓ Course Completion Certificate
- ✓ Projects, Assignments, Discussion
- ✓ Experts led Training
- ✓ 10+ hours Online training

## Contents

- ✓ Basics of electrochemical catalysis
- ✓ Basics of Impedance spectroscopy and Tafel analysis
- ✓ Catalysis of electrochemical and Photo-electrochemical water splitting

## Session

Day

Forenoon

Afternoon

Day 1

**Fundamentals and applications of electrochemistry**  
*Basics of electrochemical catalysis, catalysis of hydrogen evolution reaction*

**Hands-on Session 1-**  
*Demonstration of Cyclic Voltammetry, experimental and theoretical aspects of Tafel analysis*

Day 2

**Electrochemical characterization Technique**  
*Basic of Impedance spectroscopy, Tafel analysis and its application for photoelectrochemical water splitting and electrochemical water splitting*

**Hands-on Session 2-**  
*Demonstration of electrochemical impedance spectroscopy (EIS)*



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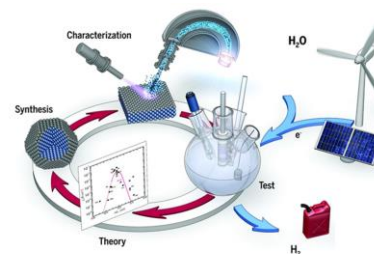
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## Highlights

- *Course Completion Certificate*
- *Projects, Assignments,*
- *Discussion*
- *Experts led Training*
- *10+ hours Online training*

**Free  
Registration  
– Limited  
seats**

**Last Date of  
Registration:  
20<sup>th</sup> Mar, 2022**



### Registration Link:

<https://cas.res.in/workshopreg.html>



### Coordinators

**Dr. Gyanprakash  
Maurya**

Assistant Professor, CAS



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