



# MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING

An Autonomous Institution



Department of Science and Humanities  
Organizes



**AICTE - ATAL Sponsored  
A Six Days Faculty Development Program**



On

**Green Materials & Methodology  
for Sustainable Development**

**Date : 09<sup>th</sup> Dec 2024 to 14<sup>th</sup> Dec 2024 Venue: MSAJCE**

<b>Day 1</b> 09-12-2024	<b>Session 1</b>	<b>Green Chemistry for Organic Synthesis</b>  <b>Dr. P. Shanmugam</b> Chief Scientist CSIR-Central Leather Research Institute, Chennai.	<b>Session 2</b>	<b>Water Pollution-Causes-Sustainable Measures</b>  <b>Dr. A. Balakrishnan</b> Associate Professor / Chemistry Mohamed Sathak A.J. College of Engineering, Chennai.
<b>Day 2</b> 10-12-2024	<b>Session 3</b>	<b>Sustainable Materials for Photo Catalysis</b>  <b>Dr. P. Muthirulan</b> Assistant Professor / Chemistry Lekshmipuram College of Art and Science, Kanyakumari Dist.	<b>Session 4</b>	<b>Electrode Materials for Post Lithium-ion Battery</b>  <b>Dr. P. Elumalai</b> Professor Department of Green Energy Technology Pondicherry University
<b>Day 3</b> 11-12-2024	<b>Session 5</b>	<b>Benign Solvents for Sustainable Development</b>  <b>Dr. Ramesh L. Gardas</b> Professor Department of Chemistry Indian Institute of Technology, Madras.	<b>Session 6</b>	<b>Carbon Dioxide Sequestration</b>  <b>Dr. P. Muthumareeswaran</b> Assistant Professor Department of Chemistry, CEG Campus, Anna University.
<b>Day 4</b> 12-12-2024	<b>Session 7</b>	<b>Synthesis and Characterization of Nano particles and Nano Composite Thin Films for Treating Industrial Wastewater</b>  <b>Jegathalaprathaban Rajesh</b> Professor / Chemistry Saveetha University, Chennai.	<b>Session 8</b>	<b>Recent Advancement in Solar Cell</b>  <b>Dr. G. Gnanakumar</b> Head, Department of Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai.
<b>Day 5</b> 13-12-2024	<b>Industrial Visit</b>		<b>Session 9</b>	<b>Removal of Dyes from Waste Water Using Novel Nanoparticles</b>  <b>Dr. K. Pandian</b> Professor and Head, Department of Inorganic Chemistry, University of Madras.
<b>Day 6</b> 14-12-2024	<b>Session 10</b>	<b>Optimization of Green Hydrogen in India</b>  <b>Dr. Mayilvelnathan</b> Vice President Hild Electric, India	<b>MCQ Test &amp; Valedictory Session</b>	

**Coordinator**

**Dr. A. Balakrishnan** Asso. Prof. / Chemistry  
MSAJCE

**Co-Coordinator**

**Dr. Amudha** Asst. Prof. / Physics  
MSAJCE