

About the Institute: Dr. N.G.P. Institute of Technology established in the year 2007 is located in Coimbatore, Tamil Nadu. It is run by Dr. N.G.P. Research and Educational Trust, Coimbatore. The Chairman Dr. Nalla G. Palaniswami and Secretary Dr. Thavamani D. Palaniswami are basically medical practitioners by profession, started this Institution with the vision of imparting quality technical education. Dr. N.G.P. Institute of Technology is an Autonomous, Self-financing Engineering College, Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai. It is also recognized by UGC under Section 2(f) and 12(B), accredited by NAAC with A+ (3.36 out of 4) and eligible programmes are accredited by NBA (B.E.-BME, CSE, ECE, EEE and Mechanical). The Institution offers 10 Under Graduate Programmes and 4 Post graduate Programmes. The Departments of Civil Engineering, CSE, ECE, EEE, IT and Mechanical Engineering are Recognized Research Centers of Anna University, Chennai.

About the Department: The Department of Chemistry was established in 2007, the year of establishment of the institute. The department is one of the most active departments with faculty strength 7. All faculty members possess PhDs in different areas of specialization namely Coordination Chemistry, Environmental Chemistry, Plasma Science, Physical Organic Chemistry, Solid State Chemistry, Materials Science, Natural Products Chemistry, Nano-materials and *etc.* Total number of research papers published in the national/international Journals runs to 84 in numbers along with 8 book chapters. The objective of the department is to equip Engineering students with the power of reasoning and Science knowledge which would enable them to model and solve real-life problems encountered in Science and Technology. The department has organized many Workshops, Webinars and Faculty Development Programme for students, research scholars, and faculty members in and around the nation.



TNSCST

**One-Day National Level Seminar
Sponsored by Tamilnadu State Council for
Science and Technology (TNSCST) on**

**“FUTURISTIC ENERGY MATERIALS AND
ITS APPLICATIONS: FEMA-2025”**

14th February, 2025

Organized by



**DEPARTMENT OF CHEMISTRY
Dr. N.G.P. INSTITUTE OF TECHNOLOGY
(AN AUTONOMOUS INSTITUTION)
Dr. N.G.P. NAGAR, KALAPATTI ROAD
COIMBATORE - 641 048
TAMILNADU, INDIA.**

Overview of the Seminar: The modern era requires the development of high-performance energy materials can be used for energy storage and its conversion applications. Renewable storage technologies have also been introduced for sustainable energy demands. Few reports have been focused on these technologies and information on numerous technological developments have been disseminated. This leaves it to the scientists, innovators, and researchers on the status of available technology to overcome the challenges of futuristic energy materials and conversion innovations with recent and efficient technological aids. This seminar can be used as a roadmap for students, scholars, engineers and researchers to facilitate the scope of solutions and identify strengths and weaknesses of current technological approaches with proper guidance.

Outcome of the Seminar: After the successful completion of this program, the participant will be able to:

- ❖ bring together the researchers to find new avenues in the field of energy materials
- ❖ understand the challenges in the futuristic energy materials and its resources
- ❖ manage and identify the solutions of energy materials and its conversion
- ❖ develop an efficient alternative energy material.

Registration & Payment Details:

S. No.		Payment Details
1.	Account Name	Principal, Dr. N.G.P. Institute of Technology
2.	Account Number	755056034
3.	Bank Name & Branch	Indian Bank & Kalapatty
4.	IFSC Code	IDIB000K173
S. No.	Participants	Amount in INR
1.	Students (External)	Rs. 200 /-
2.	Faculty and Research Scholars	Rs. 250 /-
3.	Students (Internal)	Rs. 100 /-

<https://forms.gle/k9S2egA5WCjcdijg6>



Registration form

Organizing Committee:

Chief Patron	
Dr. Nalla G. Palaniswami	Chairman, Kovai Medical Center and Hospital (KMCH), Coimbatore
Dr. Thavamani D. Palaniswami	Secretary, Dr. N.G.P. Institute of Technology, Coimbatore
Patron	
Dr. O.T. Bhuvaneshwaran	Chief Executive Officer, Dr. N.G.P. Research and Educational Trust, Coimbatore
Dr. S.U. Prabha	Principal, NGPiTECH, Coimbatore
Convener	
Dr. C. Kathirvel	Professor and Head Department of Electrical and Electronics Engineering & (Coordinator-Department of Science and Humanities)
Coordinators	
Dr. B. Loganathan	Assistant Professor (SS), Department of Chemistry loganathanb@drngpit.ac.in & 9489290126
Mrs. S. Aruna	Assistant Professor (SG), Department of Electrical and Electronics Engineering aruna.s@drngpit.ac.in & 9597215846

Committee members	
Dr. P. Satheesh kumar	Assistant Professor (SG), Department of Chemistry
Dr. V.P. Radha	Associate Professor, Department of Chemistry
Dr. A. Raji	Assistant Professor (SG), Department of Chemistry
Dr. K.S. Thangamani	Assistant Professor (SG), Department of Chemistry
Dr. R. Vandamar Poonguzhali	Assistant Professor (SG), Department of Chemistry
Lt. Dr. G. Pradheesh	Assistant Professor (SS), Department of Chemistry

Invited Speakers

	<p>Dr. S. Nagarajan, FRSC, Professor & Head Department of Chemistry DEAN - Academics Centrat University of Tamil Nadu Thiruvaur - 610 005, INDIA <i>Topic: Sustainable Strategies in Organic Electronics</i></p>		<p>Dr. Thirumurthy Kannan, Ph.D. Postdoctoral Fellow Prof. Andrea Listorti Research group University of Bari, Aldo Moro, Bari BA, Italy <i>Topic: Global sustainable Energy Developments and future policy making challenges</i></p>
	<p>Dr. N. Ponpandian, FRSC, FASCS, Professor and Head Department of Nanoscience and Technology Controller of Examinations i/c Bharathiar University Coimbatore 641 046, INDIA <i>Topic: Two Dimensional (2D) Materials and their Composites for Energy Conversion and Storage</i></p>		