

KEYNOTE SPEAKERS



Dr. T. Sunil Kumar

Professor
Dept. of Chemical Engineering
IIT Tirupati



Dr. R. L. Gardas

Professor
Department of Chemistry
IIT Madras, Chennai



Dr. R. Jeyalakshmi

Professor
Department of Chemistry
SRM University, Chennai



Dr. B. Prasanna Kumar

Assistant Professor
Dept. of Civil & Environmental Engineering
IIT Tirupati



Dr. K. Revathi

Industrial Expert
Henkel Anand India Pvt. Ltd.
Tamilnadu

CALL FOR ABSTRACTS

The organizing committee cordially invites the authors to submit their original research and review papers abstracts. Accepted abstracts will be published in the Seminar Abstract Proceedings (ISBN). The name of the presenting author should be underlined and the corresponding author should be indicated by an asterisk. The abstract should be neatly typed in Times New Roman, 12 - points, with 1.5 - line spacing. The best oral and poster presentations will be suitably awarded. All abstracts and papers must be submitted electronically via E-mail to: sietkchem@gmail.com.

Chief Patron

Dr. K. Ashok Raju

Chairman, Siddharth Group of Institutions

Patron

Dr. P. Ramesh Kumar

Principal, SIETK

Dr. M. Janardhana Raju

Principal, SISTK

Dr. Bogala Madhu

Vice-Principal, SIETK

Convener

Dr. Sreenivasulu Karlapudi,

HoD, Dept. of Chemistry

Co-Convener

Dr. N. Poornima,

Assoc. Prof. Dept. of Chemistry

Dr. S. Naveen,

Asst. Prof. Dept. of Civil Engg.

Coordinators

Prof. B. Harikrishna, HoD, Dept. of Physics

Prof. C. Siva Kumar Prasad, HoD, Dept. of Civil Engg.

Dr. M.M. Gopi, HoD, Dept. of English

Dr. E. Kartheek, HoD, Dept. of Mathematics

ORGANIZING COMMITTEE

Dr. L. Ganga Devi,

Professor, Dept. of Chemistry

Dr. C. Bharadwaj Kumar,

Professor, Dept. of Chemistry

Dr. G. Prabhakaran,

Professor, Dept. of Civil Engineering

Dr. D. Munirajsekhar,

Professor, Dept. of Chemistry

Dr. D. Srinivasa Murthy,

Professor, Dept. of Civil Engineering

Dr. K. M. Prasuna,

Associate Professor, Dept. of Chemistry

Dr. S. Vanitha,

Associate Professor, Dept. of Chemistry

Dr. N. Harikrishna,

Associate Professor, Dept. of Chemistry

Dr. Munihemalatha,

Associate Professor, Dept. of Chemistry

Dr K. Sarumathi,

Associate professor, Dept. of Civil Engg.

Dr. C. Sreedhar,

Associate Professor, Dept. of Civil Engg.

Mrs. M. Kezia Rani,

Assistant Professor, Dept. of Chemistry

Mr. S. Dhananjaya,

Assistant Professor, Dept. of Chemistry

Mrs. V. Ramya,

Assistant Professor, Dept. of Chemistry

Mrs. M. Priya,

Assistant Professor, Dept. of Chemistry

Mrs. E. Keerthiga,

Assistant Professor, Dept. of Chemistry

Mr. N. Vishnu,

Assistant Professor, Dept. of Chemistry

Mrs. K. Leelavathi,

Assistant Professor, Dept. of Chemistry

Mss. Y. Durga Aswini,

Assistant Professor, Dept. of Chemistry

NATIONAL ADVISORY COMMITTEE

Prof. T. Radha Krishna, EMERITUS PROFESSOR - AICTE

Prof. P. Venkatesu, University of Delhi, Delhi

Prof. K. Siva Kumar, S.V. University, Tirupati

Dr. Govardhan Bhat, NIT Raipur, Chhattisgarh



Anusandhan
National
Research
Foundation



DST-ANRF

SPONSORED

TWO DAY NATIONAL SEMINAR

ON

TRANSFORMING INDUSTRIAL BY PRODUCTS INTO GEOPOLYMER FOR ECO-FRIENDLY CONSTRUCTION AND SUSTAINABLE ENVIRONMENT

(21st & 22nd August 2026)



Organized by

DEPARTMENT OF CHEMISTRY
&
DEPARTMENT OF CIVIL ENGINEERING

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

Puttur - 517583, Tirupati Dist. A.P., India, Website: www.sietk.org

About ANRF

The Anusandhan National Research Foundation (ANRF) is India's premier funding agency dedicated to promoting high-quality research, innovation, and technological advancement across diverse disciplines. Established to strengthen the national research ecosystem, Anusandhan National Research Foundation supports interdisciplinary and translational research aligned with strategic national priorities such as quantum technologies, cybersecurity, artificial intelligence, sustainable development, and digital infrastructure. ANRF plays a vital role in fostering collaboration among academia, industry, and government, while building skilled human resources and encouraging innovation and entrepreneurship.

About our College

Siddharth Institute of Engineering & Technology (SIETK) is an emerging center for excellence in engineering & management education, boasting energetic & experienced faculty, successful students, great infrastructure and an excellent placement record. The management encourages the students and the faculty to "Dare to Dream and Strive to Achieve." The institute are indeed a "dream come true" for many aspiring youngsters from rural areas in Tirupati District and Southern part Andhra Pradesh. SIETK is an autonomous institution established in 2001. It has completed 25 years of excellence in technical education. It is accredited by NBA for five branches of engineering (ECE, EEE, CSE, MECH and CIVIL), NAAC with an "A+" grade and affiliated to JNTUA, Ananthapuramu. SIETK has several feathers in its cap and to mention a few, Siddharth International Incubation Centre, Siemens T-SDI Sanctioned by APSSDC, Skill Development Centre (SDC), Startup Incubation Centre sanctioned by the Andhra Pradesh State Government, World Class A/C Auditorium with 4000 seating capacity, AICTE Idea Lab etc.

About The Department

The Department of Chemistry has highly qualified, experienced, dedicated faculty members and research scholars with diverse specializations. The department is well-equipped with modern laboratory facilities and advanced instruments that support both teaching and research activities. The department research focuses on geopolymers, chemical thermodynamics, theoretical chemistry, nanomaterials, ionic liquids, and analytical approaches. The department has received funding from AICTE and other organizations. The department has a commendable record of publications in reputed national and international peer-reviewed journals. The Department of Civil Engineering was established in the year 2008. The Department of Civil Engineering has a wide array of the most modern laboratory equipment that can adequately cater to the varied demands of B.Tech and M.Tech students along with different consultancy and research requirements.

OBJECTIVES AND SCOPE

The main objective of this seminar is to explore geopolymer technology as a sustainable and eco-friendly alternative to conventional cement-based materials.

- Develop geopolymer cement as a low-carbon alternative to conventional cement, reducing CO₂ emissions from the cement industry.
- It aims to examine the effective utilization of industrial by products such as fly ash and slag in geopolymer production, thereby promoting waste management and resource conservation.
- Encourage the use of eco-friendly construction materials for sustainable development and green building.
- Produce lightweight geopolymer blocks and panels that reduce building load and transportation energy.

OUTCOMES

- Significant reduction in CO₂ emissions and effective utilisation of industrial waste materials.
- Contribution to sustainable and green construction practices.
- Improved mechanical and durability properties.
- Enhanced resistance to chemicals, corrosion, and fire.
- Lower shrinkage and better long-term performance promote environmentally responsible engineering practices.

SEMINAR TOPICS

- Need for eco-friendly materials, Environmental impact of conventional cement.
- Properties of Geopolymer Concrete, Reduction in CO₂ emissions, waste utilization and sustainability impact.
- Eco-Friendly Construction Technologies: The Emerging Role of Geopolymers
- Applications in construction, precast structures, roads, pavements, and marine structures.

WHO CAN ATTEND

The faculty members of AICTE-approved institutions, Universities, and Research scholars; Participants from Government; and Industry professionals from R&D labs.

IMPORTANT DATES

Last date for Abstract submission : 10-08-2026
Conformation of Acceptance : 12-08-2026
Last date for registration : 14-08-2026

Spot registration is also available at the venue for Participants

REGISTRATION

Registration Link

<https://forms.gle/rpuMVGwUwh9ab88Z6>

OR

(use QR code for registration)



CATEGORY OF PARTICIPANTS	REGISTRATION FEE
Faculty / Industrial Professionals	Rs. 300 /-
Research Scholars / Students	Rs. 200 /-



Payment QR Code

CONTACT PERSONS

Dr. L. Ganga Devi : + 91-9440384789
Dr. D. Sreedhar : + 91-6305311157
S. Dhananjaya : + 91-9553551700