



SINCE 1881

# THE AMERICAN COLLEGE

An Autonomous Institution Affiliated to the Madurai Kamaraj University  
Re-accredited (3<sup>rd</sup> cycle) by NAAC with grade "A+" CGPA 3.47 on a 4 point scale  
Madurai-625002

## NATIONAL CONFERENCE ON

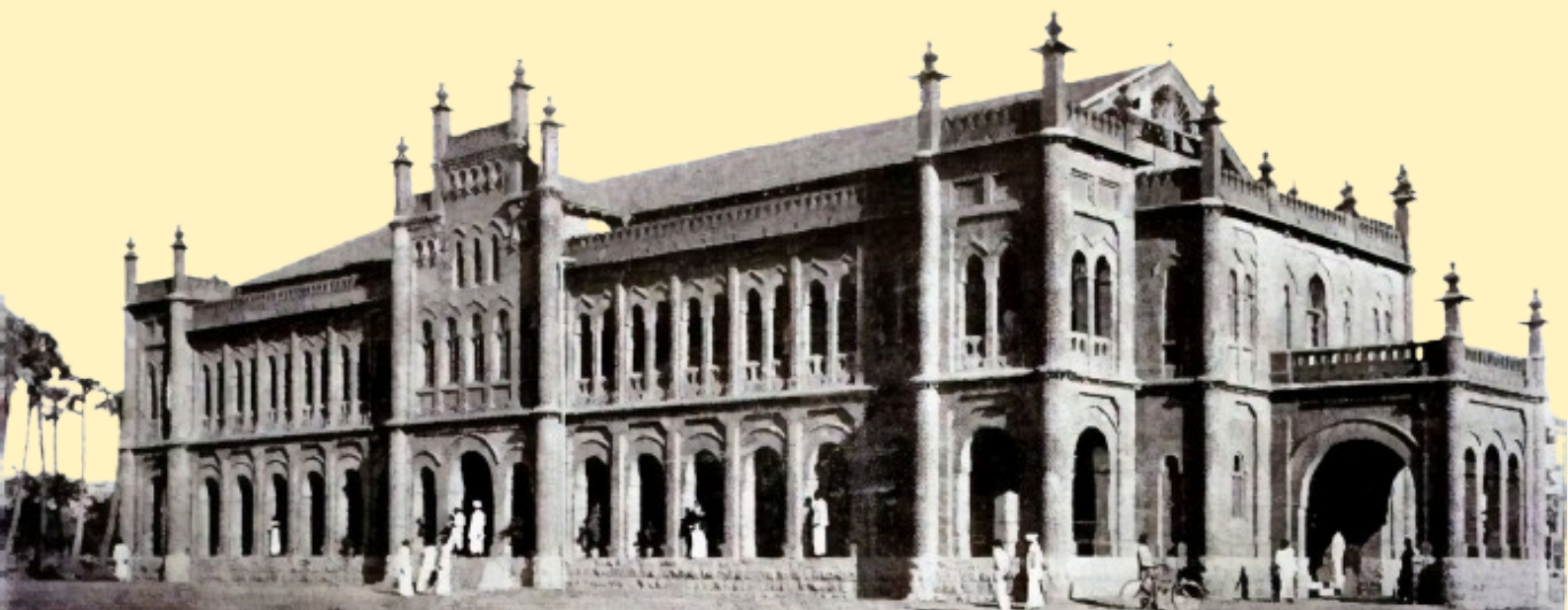
## Frontiers in Chemical Sciences-Innovations & Impact

NCFCSII - 2025

September 12 & 13, 2025



**Prof. Edgar Martin Flint**  
Pioneer & Founding Head



Postgraduate & Research Department of Chemistry

## About the College

The American College, Madurai is one of the oldest and most prestigious institutions of higher education in South India, with a rich heritage that spans over a century. Established in 1881 by American missionaries, the college has consistently upheld the values of academic excellence, character formation, and social responsibility. Affiliated to Madurai Kamaraj University, college offers 33 UG and 21 PG courses in the main campus along with 8 UG and 4 PG vocational degree programs. In addition there are 15 UG and 3 PG programs at the satellite campus and research programs across various disciplines, blending tradition with modernity in education. The scenic campus, equipped with state-of-the-art facilities, a well-stocked library, advanced laboratories, and vibrant student organizations, provides an ideal environment for learning and growth. The college also has strong ties with numerous international, state, and central institutions, as well as private industries, enhancing students' learning and career prospects.



**Main Hall**

## About the Department

Established in 1913 the department of chemistry is a hub of academic excellence and innovation. Renowned for its commitment to excellence in teaching, research, and innovation, the department offers B.Sc., M.Sc. and Ph.D programs, fostering a dynamic academic environment for advanced learning and research. The department is well-equipped with modern laboratories, sophisticated instruments, and computational facilities, enabling students and researchers to engage in cutting-edge scientific work. Its research activities span diverse areas such as organic synthesis, physical chemistry, inorganic chemistry, environmental chemistry, nanoscience, and green chemistry, contributing significantly to both theoretical and applied sciences. Guided by a team of highly qualified and dedicated faculty members, the department emphasizes innovative pedagogy, interdisciplinary research, and industry-academia collaboration. The department has produced numerous research publications in reputed journals, patents, and funded projects, making it a recognized centre for chemical education and research in South India. The department continues to uphold academic rigor while inspiring students to become leaders in research, industry, and academia. Alumni of the department occupy pivotal positions at various institutions and organizations, in India and abroad.



**Stoffer Hall**

## About the Conference

The National Conference on Frontier Chemical Sciences – Innovation and Impact (NCFCSII-2025), organized by the Department of Chemistry, aims to spotlight the dynamic and ever-evolving landscape of chemical sciences. This national-level conference serves as a platform for researchers, academicians, industry professionals, and students to come together and explore the latest advancements, technological applications, and innovative methodologies shaping the future of Chemistry. In an era where scientific progress is closely tied to societal and environmental well-being, this conference emphasizes not only the development of new chemical technologies but also their broader impact on sustainability, public health, and social welfare. From pioneering research to transformative applications, the sessions will delve into how chemical sciences can drive positive change across various domains.

The theme of the conference underscores the importance of:

- Innovation as a catalyst for discovery,
- Collaboration as a bridge for interdisciplinary integration,
- Adaptability and continuous improvement as keys to overcoming scientific challenges and unlocking new frontiers.

NCFCSII-2025 envisions fostering a scientific dialogue that contributes to both academic enrichment and real-world problem-solving. It is a celebration of knowledge, resilience, and the shared pursuit of excellence in chemical sciences.

## Call for Abstracts

Abstracts are invited for oral and poster presentation on the theme and scope of the conference. The length of the abstract should be limited to one A4 size page, font style: Times New Roman, font size: title-14 point, authors name-12 point, affiliation in italics-10 point & content of the abstract-12 point. The soft copy of the abstract must be send to the conference E mail I'd: [ncfcsii@gmail.com](mailto:ncfcsii@gmail.com). The last date for submission of abstract is on or before 5<sup>th</sup> September, 2025.

## Thrust areas

- |                               |                         |                            |
|-------------------------------|-------------------------|----------------------------|
| • Synthetic organic Chemistry | • Nano materials        | • Organometallic Chemistry |
| • Green Chemistry             | • Composite materials   | • Medicinal Chemistry      |
| • Bio-organic Chemistry       | • Luminescent materials | • Supramolecular Chemistry |
| • Environmental chemistry     | • Material Chemistry    | • Computational Chemistry  |
| • Solid state                 | • Surface engineering   | • Sensors                  |



## Resource Persons



**Dr. Paramasivan Rajaiah**

**Head, Division of Molecular Biology and Diagnostics**  
**ICMR-Vector Control Research Centre, Field Station**  
**Indian Council of Medical Research**  
*Specialization: Arbovirology, Innovative Product*  
*Devlopement*



**Dr. Basker Sundararaju**

**Professor**  
**Department of Chemistry, IIT Kanpur**  
*Specialization: Organometallics Chemistry*  
*and Catalysis*



**Dr. Apparao Draksharapu**

**Associate Professor**  
**Department of Chemistry, IIT Kanpur**  
*Specialization: (Bio)Inorganic Chemistry,*  
*Spectroscopy & Electrochemistry, Photochemistry*



**Dr. Srinivas Dharavath**

**Associate Professor**  
**Department of Chemistry, IIT Kanpur**  
*Specialization: High Energy Density Materials*  
*and Energetic Oxidizers, Medicinal Chemistry*



**Dr. Parthasarathi Subramanian**

**Assistant Professor**  
**Department of Chemistry, IIT Kanpur**  
*Specialization: Synthetic Organic Chemistry, Total*  
*Synthesis Synthetic and Catalytic methodologies*

## Patron

**Dr. J. Paul Jayakar**

Principal & Secretary

## Convenor

**Dr. J. Helen Ratna Monica**

Head, PG & Research Department of Chemistry

## Organizing Secretary

**Dr. B. Kirthika Rani**

Associate Professor

**Dr. S. Jemima Balaselvi Juliana**

Head UG Department of Chemistry

**Dr. M. Vathanaruba**

Coordinator (SF)

## ORGANIZING COMMITTEE MEMBERS

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- Dr. K. Karthik Kumar
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- Dr. I. Avinash
- Dr. P. Pounraj
- Dr. R. Suriya Narayanan
- Mr. P. Murugesan
- Dr. M. Arun Divakar

## Registration Details

Registration fees should be paid through online and the registration details along with fees paid information should be submitted in the following link: <https://forms.gle/UGXkEaqmy8tU35PS7>

## Registration Fee

- Students & Research Scholars: ₹300
- Faculty and Industrialist: ₹500

## Account Details

Account Name: Bursar, The American College

Account Number: **6520299844**

Bank Name & Address: Indian Bank

RTGS/NEFT/IFSC: IDIB000T003

## Important dates

**Last date for abstract: September 5, 2025**

**Last date for Registration: September 10, 2025**

## Contact details:

### ORGANIZING SECRETARY

**Dr. B. Kirthika Rani**

Asso. Prof & Addn Dean of Curriculum  
Development & Research

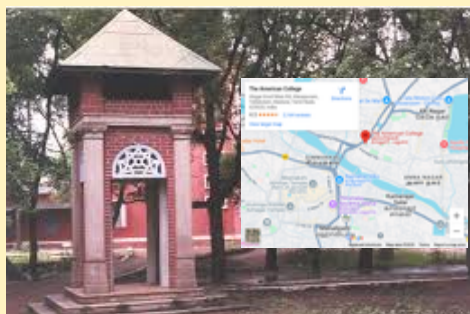
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## Bell Tower



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