

The Standard Fireworks Rajaratnam College for Women (Autonomous)

(Affiliated to Madurai Kamaraj University, Re-accredited with 'A+' Grade by NAAC,
College with Potential for Excellence By UGC and Mentor Institution under UGC PARAMARSH)

SIVAKASI



PG & Research Department of Chemistry



ORGANIZES



A Two day International Conference

on

**Interdisciplinary Scientific
Approaches for Next Generation**

(Hybrid Mode)

(Sponsored by SFR College Management)

Chief Patrons

Tmt. Thilagavathy Ravindran, President

Tmt. Aruna Ashok, Secretary

Convenor

Dr. M. Murugalakshmi,

Associate Professor & H.o.D

Patron

Dr. R. Sudha Periathai,

Principal

Organizing Secretaries

Dr. S. Shailaja, Assistant Professor

Dr. J. Vinnarasi, Assistant Professor

Dr. J. Porkodi, Assistant Professor

Date: 11th & 12th March 2026

Venue: Conference Hall

ABOUT THE COLLEGE :

The Standard Fireworks Rajaratnam College for Women, Sivakasi, established in 1968 in memory of the visionary philanthropist Thiru. N.R.K.K. Rajaratnam, was founded under The Standard Fireworks Educational Charities Trust by Thiru. K.A.A. Sankaralingam Nadar, Thiru. K.A.A. Arunachalam Nadar and Thiru. A. Chelladurai Nadar to provide quality higher education to rural women and promote their social and economic empowerment. The institution progressed steadily under its first Trustee, Thiru. Yennarkay R. Ravindran, an eminent educationist who spearheaded infrastructure development and academic expansion. The present Management, led by Tmt. Thilagavathy Ravindran, President and Tmt. Aruna Ashok, Secretary, continues to strengthen the institution through progressive governance and initiatives.

Affiliated to Madurai Kamaraj University, SFRC offers undergraduate, postgraduate, and Self-Financed programmes and attained Autonomous status in 2005, ensuring academic flexibility and innovation. The college has consistently earned NAAC recognition with Five Star Status in 2002, 'A' Grade in 2008 and 2014 and 'A+' Grade in the fourth cycle in 2021. The UGC has extended its Autonomous status up to 2032. SFRC has also been recognized as a College with Potential for Excellence and has received DST-FIST support to enhance research infrastructure. At present, the institution offers 21 undergraduate, 13 postgraduate and 8 Ph.D. programmes.

With over five decades of academic excellence, SFRC advances its mission through quality education, innovation, and social responsibility. The college served as a Mentor Institution under the UGC PARAMARSH scheme. It has earned multiple recognitions for sustainability, innovation, and digital learning, and was named Best Unnat Bharat Abhiyan Participating Institute by Gandhigram Rural Institute. It has also received Manjappai Award from the Tamil Nadu Pollution Control Board for promoting eco-friendly practices. The Institution is placed in the Titanium Band of the OBE Rankings 2025 and a member of the Ministry of Education's Innovation Cell. In addition, the college has received the Best Green & Clean Campus Award from Environment Solutions, the Certificate of Social Responsibility and the Inspection Certificate from the Nature Science Foundation. SFRC emphasizes an outcome-based education, employability, industry collaboration and community outreach, continuing to empower rural women as confident leaders and contributors to national development.

ABOUT THE DEPARTMENT :

The PG and Research Department of Chemistry was established in 1975 with the introduction of the B.Sc. Chemistry programme and was upgraded to a postgraduate department in 1985 and further strengthened its academic and research profile by introducing the M. Phil. programme in 2007 and the Ph.D. programme in 2019. ICT-enabled classrooms facilitate advanced teaching-learning practices, while well-equipped laboratories foster a vibrant research environment.

Research Strength

- More than 200 publications
- TNSCST-funded projects : 12
- UGC-funded projects : 5
- Management funded projects : 9
- Recognized research supervisors : 6
- Full-time research scholars : 6

Science Instrumentation Facilities

- UV-Visible DRS, FT-IR, LS 45, DSC, TGA, GC-MS, AAS, HPLC, & PGSTAT

Chemistry laboratory facilities

- UV-Visible, Microwave synthesizer, Potentiostat, Photoreactor, Guoy balance, Fluorimeter, \ Gaussian software, Muffle furnace, Sonicator & Rotary evaporator.

The department actively promotes academic enrichment by organizing numerous international and national conferences and seminars, CSIR-NET coaching workshops, and inter-collegiate meet. Demonstrating the commitment to environmental sustainability, eco-friendly microscale techniques are adopted in laboratories. To enhance practical skills and employability, the department also conducts an annual 15-day summer internship programme on 'Crime Investigation in Forensic Science' for students from institutions in and around Tamilnadu since 2022.

ABOUT THE CONFERENCE:

The conference aims to foster collaboration across chemistry and related fields such as biology, physics, engineering, Computer Science and Materials Science to address complex scientific challenges and innovative solutions in the current global scenario. The objective of the conference is to create an inclusive and flexible platform that enables participation both in person and virtually, allowing researchers, academicians, scientists and students from diverse geographic locations to engage in interdisciplinary scientific exchange in Science. By combining physical and online participation, it promotes wide dissemination of cutting-edge research, encourages interactive discussions, and ensures that attendees, regardless of their location or circumstances, can contribute to and benefit from the shared knowledge, emerging trends, and future-oriented approaches that will shape the next generation in sciences.

Thrust Areas Of The Conference :

- Natural Product Chemistry and Medicinal Chemistry
- Bio-Inorganic Chemistry
- AI and Computational Modeling
- Materials Science and Nanotechnology
- Bio Materials
- Energy Storage Devices
- Polymer and Composites
- Green & Environmental Science

Programme Schedule

DAY - I
11.03.2026

Keynote Address



**Polymeric materials
for better health**

Prof. S. Thayumanavan
University of Massachusetts Amherst,
USA.

DAY - II
12.03.2026

Technical Session I



**Ketene Dithioacetal Chemistry and their
Chemo/Regioselectivity**

Dr. S. Sivakumar
Associate Professor of Organic Chemistry,
Madurai Kamaraj University,
Madurai.

Technical Session I



**Organic and Carbon Materials for
Rechargeable Batteries**

Dr. K. Krishnamoorthy
Chief Scientist,
CSIR, NCL Pune.

Technical Session II



**S(VI to II) -N molecules:
A Synthetic Expedition**

Dr. Ganesh Chandra Nandi,
Assistant Professor of Chemistry,
National Institute of Technology,
Trichy.

Technical Session II



Overview of Drug Development Process

Sundaravel Ananthavel
Executive Director- CMC,
AN2 Therapeutics,
California, USA.

LUNCH BREAK

**ORAL
&
POSTER PRESENTATION**

DAY - I

**ORAL PRESENTATION
E-POSTER PRESENTATION**

2.30 PM - 3.30 PM

DAY - II

**ORAL PRESENTATION
POSTER PRESENTATION**

1.30 PM - 2.30 PM

LUNCH BREAK

Technical Session III



**A Convenient Greener Approach to
Complex Heterocycles**

Dr. A. Lalitha,
Professor,
Department of Chemistry,
Periyar University, Salem.

Valedictory Address



Dr. N. Raman,
Director,
Science Instrumentation Centre,
Ayya Nadar Janaki Ammal College,
Sivakasi.

CALL FOR ABSTRACTS & PAPERS

Research scholars, academicians and industrialist are invited to participate and present their research papers via Online/Offline in the conference as Posters / e - Posters or as oral presentation.

Guidelines to Authors :

- The paper must be original.
- Authors name, designation, name of the institution with which associated now and email id must be clearly mentioned.
- The abstract (250 Words)/ Full Paper (4 Pages) should be typed in Times New Roman, Font size 12, line spacing 1.5, A4 size and justified alignment.
- The abstract / Full paper & e-Posters should be emailed to chedept-gwstle@sfrcollege.edu.in on or before **2nd March 2026**.
- Selected papers will be published in conference proceedings bearing ISBN.

Registration: 9.30 AM - 10.00 AM

Inaugural Session – 9.45 AM – 10.15 AM

Prayer

Lighting Kuthuvizhakku :

Tmt.Thilgavathy Ravindran, President
Tmt. Aruna Ashok, Secretary

Welcome Address :

Dr.M.Murugalakshmi
Associate Professor & Head
PG & Research Dept. of Chemistry

Inaugural Address :

Dr.R.Sudha Periathai,
Principal

Keynote Address :

Prof. S. Thayumanavan
University of Massachusetts Amherst,
USA.

Vote of Thanks :

Dr.S.Shailaja,
Assistant Professor
PG & Research Dept. of Chemistry

For Further Details:

Dr. S. Shailaja, Assistant Professor (9840534284)

Dr. J. Vinnarasi, Assistant Professor (9894146255)

Dr. J. Porkodi, Assistant Professor (9894795540)

REGISTRATION DETAILS:

UG Students : Rs. 400

PG Students : Rs. 500

Research Scholars : Rs. 600

Academicians & Others : Rs. 700

Registration fee includes conference kit, lunch and refreshments.

REGISTRATION LINK : <https://forms.gle/yLbaAqkhs9sKcCTk8>

Organizing Committee

Dr. C. Thamarai Chelvi, Associate Professor

Dr. N. Uma Sangari, Associate Professor

Dr. P. R. Kavitha Rani, Assistant Professor

Dr. D. Rajamani, Assistant Professor

Dr. R. Radha, Assistant Professor

Dr. C. Thangapriya, Assistant Professor

Mrs. J. Mariselvi, Assistant Professor



BEST POSTERS

&

ORAL PRESENTATION WILL BE AWARDED



**For GPAY
Transaction Only**

Or Pay to UPI ID
sfrcollegemanagementsaccount978666389@tmb



PAYMENT DETAILS

Account Holder Name : SFR College Management

Account Number : 003100050335480

Bank Name : Tamilnad Mercantile Bank

IFSC Code : TMBL0000003

Branch : Sivakasi