

INVITED SPEAKERS

- **Dr. Jebiti Haribabu**
Assistant Professor
Facultad de Medicina
Universidad de Atacama
Copiapó-Chile
- **Dr. M. Balamurugan**
Assistant Research Professor
SOFT Foundry Institute
Seoul National University
Seoul 08826
South Korea
- **Clara S. B. Gomes**
Assistant Researcher
Laboratorio Asociado para a Quimica Verde(LAQV)
NOVA School of Science and Technology
NOVA University Lisbon
Lisbon
Portugal
- **Dr. Prabhu Saravanan**
Post-doctoral fellow
Department of Physical-Chemistry
Faculty of Chemical sciences,
University of Concepcion
Chile
- **Dr. R. Balamurugan**
Senior Scientist
Agency for Science, Technology & Research(A*STAR)
Singapore

HONORARY CHAIRS

- **Dr. A. Ilangovan**
Senior Professor and Chair
School of Chemistry
Bharathidasan University
Tiruchirappalli
- **Dr. R. Karvembu**
Professor
Department of Chemistry
National Institute of Technology
Tiruchirappalli

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Seethalakshmi Ramaswami College

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Assistant Professor
Facultad de Medicina
Universidad de Atacama
Copiapó-Chile

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SEETHALAKSHMI RAMASWAMI COLLEGE
(Autonomous)
Affiliated to Bharathidasan University
Tiruchirappalli - 620 002, Tamil Nadu, India
Accredited with 'A+' by NAAC (4th Cycle)



INTERNATIONAL VIRTUAL CONFERENCE ON INNOVATIVE FRONTIERS IN CHEMISTRY

IFC 2025

organized by

PG & RESEARCH DEPARTMENT OF CHEMISTRY



in collaboration with



UNIVERSIDAD
DE ATACAMA
FACULTAD DE MEDICINA
Departamento de Medicina

Facultad de Medicina
Universidad de Atacama
Copiapó-Chile

&

SOFT Foundry Institute
Seoul National University, Seoul
South Korea



Dr. Haribabu Jebiti
Biorganico Medicinal
Chemistry Laboratory



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9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



11 SUSTAINABLE CITIES
AND COMMUNITIES



4 QUALITY
EDUCATION

28.01.2025 & 29.01.2025

ABOUT TIRUCHIRAPALLI

Tiruchirappalli, the fourth-largest city in Tamil Nadu, is situated on the banks of the river, Cauvery. The city is known for its education, tradition, culture and modernity. It was a castle of Cholas and later became the stronghold of Pallavas. The Nayaks of Madurai built the Tiruchirappalli town and its fort. The spectacular monument of the city is the rock fort temple, perched upon the gigantic rocky outcrop. Trichy district has owned great scholars and leaders whose contributions to society have been very significant. Distinguished intellectuals who were either born or educated at Tiruchirappalli include Nobel laureate Sir C.V. Raman, Former Presidents of India Dr. A.P.J. Abdul Kalam & Shri. R. Venkatraman, Finance Minister of India Srimathi Nirmala Seetharaman, Writer Sujatha and Poet Vaali.

ABOUT THE COLLEGE

Seethalakshmi Ramaswami College (SRC) is an arts and science college for women situated in Tiruchirappalli, Tamil Nadu. It was established in the year 1951 by Padmabhushan Sri N. Ramaswami Ayyar. It is an autonomous college affiliated to Bharathidasan University, Tiruchirappalli. It has been awarded A+ grade in its 4th cycle of accreditation by NAAC. SRC was the first women's college in Tamil Nadu to offer M.Sc. in Chemistry and Physics. It was among the 10 colleges in India selected for Pathway to Higher education sponsored by the prestigious Ford foundation, USA. The College offers 24 undergraduate, 17 postgraduate and 8 research programmes. It continuously strives to improve its teaching standards by incorporating latest technology and strategies to provide the best possible learning environment for students. Skilling programmes such as Community College and B.Voc. under the auspices of NSQF have empowered the lives of countless students through employment and entrepreneurship. The College has built up a decades-strong research base facilitated by grants from leading funding agencies such as UGC, DST, DBT, ICSSR, TAF CORN and TNSCST. The faculty regularly organize/participate and publish in various national and international conferences, seminars, and peer-reviewed journals and hold several patents. SRC-Quest, a unique peer-reviewed journal published annually by the College, has helped push the standard of research higher. Over the years, the College has earned innumerable awards and accolades and held in high esteem by its peers and the society. SRC aims to create passionate and responsible citizens, as exemplified by Ms. Nirmala Sitharaman, Hon. Finance Minister and Economics alumna, that contribute to society and in the process help India become a happy and prosperous country.

ABOUT THE DEPARTMENT

The DST–FIST-sponsored department of chemistry was started in the year 1957 and upgraded to a Postgraduate department in 1964 and elevated to Research level in 1979. The department celebrated its Diamond Jubilee year in 2017. The department has well-equipped research laboratories with advanced instruments and dedicated faculty members. The department generated three patents, two antiepileptic drugs and one for fluorescent chemosensors. Six patents have been published so far. Faculty members shared their expertise in international conferences held in London, UK and Athens, Greece. Nearly 245 research articles have been published in various indexed journals and also published 9 books with ISBN. Faculty members have received financial support from UGC, DST and TANSCH. Students got selected regularly for summer research fellowships sponsored by the Indian Science Academies. The department offers a vibrant atmosphere for research scholars to pursue their research in a highly encouraging environment. Many of our alumnae have pursued advanced research abroad, making significant contributions to their fields on a global scale. Our alumnae have served in esteemed roles, including Justice of the High Court, Director and Joint Director of Collegiate Education and Principal Scientist. Their achievements underscore their significant contributions and unwavering dedication.

SCOPE OF THE CONFERENCE

The scope of Innovative Frontiers in Chemistry is vast and multidisciplinary, encompassing emerging fields such as Materials Science, Nanoscience, Synthetic Biology, the design and synthesis of novel pharmaceutical compounds, Chemistry in Space Exploration, and various interdisciplinary research areas. These fields have the potential to drive the development of new technologies, transform industries, and address global challenges. This conference aims to bring together international scholars in the field of chemistry, fostering an environment of knowledge exchange and collaboration. Our goal is to inspire and energize young researchers by highlighting the latest trends in current scientific research. The conference offers an opportunity for researchers, academicians, and industry professionals to engage with experts, share innovative ideas, and form meaningful collaborations to advance the future of chemistry.

THEMES

Coordination Chemistry	Inorganic Material Chemistry
Organometallic Chemistry	Material Science
Crystallography	Bioorganic Chemistry
Surface Chemistry	Synthetic Organic Chemistry
Polymer Chemistry	Supramolecular Chemistry
Catalysis	Theoretical Chemistry
Cheminformatics	Chemical sensors
Green Chemistry	Chemical Biology
AI in Chemistry	Environmental Chemistry
Bioinorganic Chemistry	Food Chemistry
Medicinal Chemistry	Natural Products

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Font & Size: Times New Roman, 12pts., MS Word

Title: Bold, Single spacing, author(s), affiliation, mobile number and e-mail IDs.

Name of authors: Italic, alignment: Justified.

Line spacing: 1.5pts

Presenting authors must be underlined.

Abstract : Not exceeding 300 words

Full paper for publication : Not exceeding 4 pages in A4 size

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IMPORTANT DATES

Last date for abstract submission: 31.12.2024

Last date for full paper submission : 09.01.2025

Last date for Registration : 20.01.2025

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