

ORGANISING COMMITTEE

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YATISWARI VINAYAKAPRIYA AMBA

Directress, Sri Sarada Educational Institutions, Salem

YATISWARI GUHAPRIYA AMBA

Secretary, Sri Sarada College for Women (Autonomous),
Salem

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PG & Research Department of Mathematics &
Dr. P. Umamaheswari, Associate Professor & Head,
Department of Botany

Convener

Dr. D. Amsaveni, Associate Professor of Mathematics

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Dr. S. D. K. Shridevi, Associate Professor of Botany
Dr. R. Kavitha, Assistant Professor of Chemistry &
Dr. J. Tamilmani, Assistant Professor of Mathematics

Organising Committee

Department of Mathematics

Dr. L. Madhuchelvi, Associate Professor
Dr. B. Amudhambigai, Associate Professor
Dr. R. Anbuviithya, Assistant Professor
Dr. V. Vijaya Bharathi, Assistant Professor
Dr. P. Saranya, Assistant Professor
Dr. M. Deepa, Assistant Professor

Department of Chemistry

Dr. S. Geetha, Associate Professor
Dr. K. Bharathi, Associate Professor
Dr. A. Kalpana, Associate Professor
Dr. S. Anbuselvi, Associate Professor
Dr. L. Akilandeswari, Associate Professor
Dr. E. Akila, Assistant Professor
Dr. V. Janaki, Assistant Professor
Dr. T. Elakkiya, Assistant Professor
Dr. K. Revathy, Assistant Professor
Dr. D. Anu, Assistant Professor

Department of Botany

Dr. B. Uma Maheswari, Associate Professor
Dr. G. Kalaiselvi, Associate Professor
Dr. R. Gomathi, Assistant Professor
Dr. G. Divya Bharathi, Assistant Professor

Department of Computer Science

Dr. A. Jensila Smile, Assistant Professor
Dr. V. Thamilarasi, Assistant Professor
Tmt. R. Pushpavalli, Assistant Professor
Dr. N. Narmadha, Assistant Professor

Major Area Focused

- ❖ Mathematics for Sustainability
- ❖ Chemistry in Sustainable Practices
- ❖ Botanical Science and Conservation
- ❖ Computer Science for Environmental Solutions
- ❖ STEM Education for Sustainability
- ❖ Innovation and Entrepreneurship in STEM

The seminar will include keynote presentations, Paper Presentation, Panel Discussions, and ample networking opportunities.

Address for Communication

Dr. D. Amsaveni,
Convener
PG & Research Department of Mathematics
Sri Sarada College for Women (Autonomous),
Salem-636 016.
Email id: saradastem24@gmail.com Mobile: 98436 26323



SRI SARADA COLLEGE FOR WOMEN (Autonomous)

Reaccredited with 'B++' Grade by NAAC
(Affiliated to Periyar University)
Salem - 636 016.

Four-day **National Level Seminar on** **The Power of STEM: Solutions for a** **Sustainable Future**

Dates: 11, 12, 13 & 14 March 2024



Organised by

PG & Research Departments of
Mathematics, Chemistry,
Computer Science & Department of Botany
SRI SARADA COLLEGE FOR WOMEN
(Autonomous)

SALEM - 636 016, TAMIL NADU, INDIA.

ABOUT THE INSTITUTION

Sri Sarada College for Women was started in 1961 as an affiliated college to the University of Madras with two sections of Pre-University course. Later, it has increased in strength to become a First Grade college with 12 undergraduate programmes, 7 post-graduate programmes, 9 M.Phil. programmes, 9 Ph.D. programmes and 2 Self-financing P.G. programmes (M.Sc. Data Science and M.Com.). Autonomous status was conferred by the University Grants Commission in the year 1988-1989 under the able guidance of Yatiswari Saradapriya Amba.

The College offers upto-date career oriented education which is integrated with our ancient culture and tradition. To meet the challenges of the ever-changing modern scenario, the academic needs of the young students are closely analyzed and the curriculum is periodically redesigned in a way to develop the scientific temper and to enkindle the spirit of creativity in the students' minds. In almost all disciplines, priority is given to relate curriculum to the local needs.

ABOUT THE DEPARTMENTS

DEPARTMENT OF MATHEMATICS is established in 1965, and introduced B.Sc. Mathematics, later becoming a Post-Graduate Department in 1981 and a Research Department in 2005, offering M.Phil. and Ph.D. It is sponsored by DST - FIST and DBT - STAR, actively pursuing research initiatives to uncover new knowledge and technology in line with current mathematical trends. The consultancy within the department aims to illuminate unexplored areas and create mathematical models to address societal issues.

DEPARTMENT OF CHEMISTRY began its growth chart with introduction of Pre University course in 1961, subsequently developed into PG & Research Department and currently sponsored by DST-FIST. The department flourish in research and contribute through productive publications and research projects. The department is endowed with a full pledged laboratory facility which caters to the academic and research excellence. The research expertise of the staff members in myriad of research fields ranging from conventional organic synthesis to nanomaterials including corrosion, coordination chemistry, green chemistry and chemosensor is yet another highlight of the department.

DEPARTMENT OF COMPUTER SCIENCE was established in 1988, initially offering B.Sc. Computer Science. Then advanced to a Post-Graduate department in 2006 and launched M.Phil. programme in 2009. The department began offering a Ph. D. programme in 2016 and has updated its postgraduate curriculum to M.Sc. Data Science in 2021. The department is research-active, focusing on the latest Computer Science developments, and regularly holds academic events. Faculty members are prolific, with publications in international and national journals, including those indexed by Scopus. The department boasts a DST-FIST Sponsored Laboratory, emphasizing its dedication to top-tier Computer Science education and research.

DEPARTMENT OF BOTANY came into existence in the year 1965. The department is noted for its good academic record, well established laboratories and devoted service of the faculty. The department has conducted a UGC National seminar and is conducting UGC Students' Seminar regularly. The department also fosters 'Botanical Consortium' where several workshops, webinars, guest lectures, field/industrial visits and exhibitions are being organized as a part of its club activity. It is sponsored by DBT-STAR.

ABOUT THE SEMINAR

This national seminar aims to bring together experts, educators, students, and professionals from the Mathematics, Chemistry, Botany, and Computer Science departments to explore the crucial roles these disciplines play in addressing sustainability challenges and developing innovative solutions for a sustainable future.

OUTCOMES OF THE SEMINAR

- Improved understanding of the contributions of Mathematics, Botany, Chemistry, and Computer Science to sustainability.
- Sharing of innovative solutions and best practices from these disciplines.
- Enhanced collaboration among academia, industry, and government for sustainability efforts.
- Encouragement for students to pursue STEM careers with a sustainability focus.
- Opportunities for new interdisciplinary research collaborations and initiatives.

INVITED SPEAKERS

- ★ Dr. Ashok Vanaji Bankar, MES Abasaheb Garware College, Maharashtra.
- ★ Dr. M. Venkataramanan, IISER, Kolkata.
- ★ Dr. Binu Thomas, Marian College, Kuttikkanam.
- ★ Mr. S. Senthilmurugan, I-STEM, IISc Bangalore.
- ★ Mrs. Pooja Punetha, I-STEM, IISc Bangalore.
- ★ Dr. V. Sivamurugan, Pachaiyappa's College, Chennai.
- ★ Dr. V. Sundarapandian, Vel Tech University, Chennai.
- ★ Dr. M. Pitchaimani, University of Madras, Chennai
- ★ Dr. M. Anand, Madurai Kamaraj University, Madurai.
- ★ Dr. A. Murugan, Periyar University, Salem-11.
- ★ Dr. V. Raj, Periyar University, Salem-11.
- ★ Dr. K. Akilandeswari, Govt. Arts College, Salem-7.

Abstract Submission

Abstracts are invited from authors for their original work. Abstract to be submitted in Times New Roman, Font size 12, not exceeding 250 words, with 1.5 line spacing, with not more than 5 keywords with Title in capitals of 14 font size, bold with affiliation of the authors, e-mail ID of corresponding author.

Oral Presentation

The authors are requested to limit their oral presentation to 5 minutes (3 minutes to present and 2 minutes for discussion).

Poster Presentation

The poster should be readable from 5-foot distance, with clear figures and tables. The poster size should be about 4 feet x 3 feet (120 cm x 90 cm).

The selected papers will be published in any one of the Scopus indexed / UGC approved journal with publication charge subject to journal norms.

Registration Fees

Faculties / Scientists: **Rs. 750 /-**

Research Scholars & Students : **Rs. 500 /-**

Registration fee is accepted through Account transfer.

A/c Details:

Name : The Principal,

A/c No. 1225101001570

IFSC Code: CNRB0001225

Branch: Canara Bank, Fairlands, Salem

Important Dates :

Abstract Deadline : **01.02.2024**

Notification of Acceptance: **10.02.2024**

Registration Deadline : **29.02.2024**

Registration Link :

<https://forms.gle/MyfqBPt6EBi34JFe9>

Email for Submission of Abstract:

saradastem24@gmail.com