



SRI SARADA COLLEGE FOR WOMEN (Autonomous)

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

PG & RESEARCH DEPARTMENT OF CHEMISTRY

*Cordially invites you to the
UG Students' Seminar
on*

Climate Change: A Silent Shift in Earth's Chemistry



Date : 03.09.2026

Time : 10.00 a.m. to 4.00 p.m.

Venue : Sister Nivedita Auditorium

Programme Inaugural Session (10.00 a.m. - 11.00 a.m.)

Prayer

Welcome Address : **Manisha R**
III B.Sc. Chemistry

Benediction : **Yatiswari Vinayakapriya Amba**
Directress,
Sri Sarada Educational Institutions,
Salem - 636 016.

Yatiswari Guhapriya Amba
Secretary,
Sri Sarada College for Women (Autonomous),
Salem - 636 016.

Releasing the Seminar Volume : **Dr. (Mrs.) S.S. Gomathi, M.Sc., M.Phil., Ph.D.**
Principal,
Sri Sarada College for Women (Autonomous),
Salem - 636 016.

Receiving the Seminar Volume : **Dr. (Mrs.) S. Geetha, M.Sc., M.Phil., Ph.D.**
Associate Professor & Head,
PG & Research Department of Chemistry,
Sri Sarada College for Women (Autonomous),
Salem - 636 016.

Keynote Address (Online) : **Dr. E. Kayalvizhy,**
Associate Professor, Department of Chemistry,
PSGR Krishnammal College for Women,
Peelamedu, Coimbatore – 641004.

Vote of Thanks : **Sathiya P**
III B.Sc. Chemistry

Technical Session - I

(11.00 a.m. - 1.15 p.m.)

Chairperson : **Pavithra M**, III B.Sc. Chemistry

PAPER PRESENTATION

1. Transformation in Air: Chemistry and Climate Dynamics : **Kavinilavu U & Yugapriya N**
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2. Green House Gases: Balancing Earth's Energy Budget : **Hemavarshini S & Nethra S**
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3. Planetary Fever: The Global Warming Crisis : **Jayasri R & Santhiya S**
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4. The Thinning Shield: Catalytic Chemistry of Ozone Loss : **Sarada Devi N & Tharanya A**
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5. The Cascading Sky: Unveiling the Hidden Planetary Drivers of 21st Century Eco-crisis : **Manisha R, Mughi Yugtha S & Pavithra M**
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6. Brown Air Days: Photochemistry behind City Smog : **Akshaya A & Madhumitha K**
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7. SO_x to Soils: Tracing Acid Rain through Eco-Systems : **Dhivya Priya S & Vishnupriya S**
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8. Carbonic Oceans: Chemistry Threatening Marine Life : **Athirshthalakshmi K & Gopika M**
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9. From Sky to Sea: The Chemistry Footprints of Planetary Pollution : **Sathiya P, Subhika K R & Thilagavathi S**
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LUNCH BREAK

1.15 p.m. - 2.00 p.m.

Technical Session - II

(2.00 p.m. - 3.30 p.m.)

Chairperson : **Mughi Yugtha S**, III B.Sc. Chemistry

10. Carbon to Concrete: Trapping CO₂ for a Cooler Future : **Abi K, Initha S & Jayalakshmi R**
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11. Success Stories and Challenges of CCUS Technology: Indian and Global Case Studies : **Devisha M S & Farzana S**
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12. Green Gas Tanks: Biodiesel, Bioethanol and Beyond : **Atchaya S, Gokila S & Varshini E**
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13. Designed to Disappear: Chemistry of Green Polymers : **Kalaivani S, Mounika R & Pavithra S**
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14. Climate Chemistry: Challenges and Research Opportunities : **Hema Malathi P & Kiruthika A**
III B.Sc. Chemistry

OUTCOME:

Students will gain an integrated understanding of the chemical processes driving climate change, environmental pollution, mitigation technologies, and emerging sustainable solutions.

NPTTEL videos on "Carbon Capture, Utilization and Storage Technologies"

VALEDICTORY FUNCTION - 3.30 p.m.

Rapporteur's Report : **Thilagavathi S**, III B.Sc. Chemistry

VOTE OF THANKS

COLLEGE SONG