

TECHNICAL SESSION - II

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

9. Physics Behind Extreme Weather : Priyadharshini A & Rajeshwari V
Events III B.Sc. Physics
10. El Niño and La Niña: Oscillations : Rohini V & Shajidha Banu S
that Shape Earth's Climate III B.Sc. Physics
11. Physics Based Solutions for : Susmitha S & Vinodhini M
Climate Mitigation III B.Sc. Physics
12. Atmospheric Blocking : Why : Visitha R & Janani M
Weather Gets Stuck III B.Sc. Physics
13. The Climate Equation: Physics : Kokila K & Vinodhini R
Behind Earth's Future III B.Sc. Physics
14. Convective Updrafts: The Physics : Kalaiselvi M & Kanishka V
Behind the Thoothukudi Funnel III B.Sc. Physics
Cloud
15. Nobel Prize in Physics -2021 : : Ramya E & Sathiya S
Understanding Earth's Climate III B.Sc. Physics

OUTCOME : Participants would be able to

- + Understand climate through the lens of physics
- + Understand the link between atoms, atmosphere, and climate.

NPTEL video on Thermodynamics of Climate System

VALEDICTORY FUNCTION - 3.30 p.m.

Rapporteur's Report

Vote of Thanks

COLLEGE SONG

SRI SARADA COLLEGE FOR WOMEN

(Autonomous)

Reaccredited with 'B++' Grade by NAAC
(Affiliated to Periyar University)
Salem - 16.

PG & Research Department of Physics

UG Students' Seminar

on

FROM ATOMS TO ATMOSPHERE: DECODING CLIMATE THROUGH PHYSICS



Date : 28.08.2026

Venue : Sister Nivedita Auditorium

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

Programme

Inaugural Session

(10.00 a.m. - 11.00 a.m.)

Prayer

Welcome Address : P. Maha, III B.Sc. Physics

Benediction : Yatiswari Vinayakapriya Amba

Directress,
Sri Sarada Educational Institutions,
Salem - 16.

Yatiswari Guhapriya Amba

Secretary,
Sri Sarada College for Women (Autonomous),
Salem - 16.

Releasing the Seminar CD : Dr. S.S. Gomathi, M.Sc., M.Phil., Ph.D.,
Principal,
Sri Sarada College for Women (Autonomous),
Salem - 16.

Receiving the Seminar CD : Dr. R. Hemamalini, M.Sc., M.Phil., M.Ed., Ph.D.,
Head & Associate Professor,
PG & Research Department of Physics,
Sri Sarada College for Women (Autonomous),
Salem - 16.

Keynote Address : Mrs. A. Nithyalakshmi, M.Tech.,
Joint Chief Environmental Engineer,
Tamilnadu Pollution Control Board. Salem.

Vote of Thanks : M. Aysha, III B.Sc. Physics

TECHNICAL SESSION - I

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

Chairperson : J. Akshaya, III B.Sc. Physics

Rapporteur : S. Shajidha Banu, III B.Sc. Physics

PAPER PRESENTATION

- 1. Introduction : Physics Meets Climate Science :** Akshaya J & Aysha M
III B.Sc. Physics
- 2. Fundamental Physics of Earth's Climate System :** Bhuvaneshwari P & Brindha K
III B.Sc. Physics
- 3. The Invisible Forces Shaping Our Climate :** Divya A & Divyasri S
III B.Sc. Physics
- 4. Physics Unveiled: The Mechanics of Climate Change :** Gopika J & Gopika S
III B.Sc. Physics
- 5. Earth in Balance: The Physics of Climate Systems :** Gunavathi R
III B.Sc. Physics
- 6. The Greenhouse Effect : Physics of Heat Trapping :** Kalaiyarasi S & Kanishka P
III B.Sc. Physics
- 7. Thermodynamics of the Earth's Climate System :** Kasthuri P & Maha P
III B.Sc. Physics
- 8. Albedo and Earth's Radiation Budget :** Merjina Jesrin C & Muthu N
III B.Sc. Physics

Lunch Break

(1.15 p.m. - 2.00 p.m.)