



# ST. TERESA'S COLLEGE (AUTONOMOUS)

## ERNAKULAM

Affiliated to Mahatma Gandhi University, Kottayam  
Re-accredited by NAAC with A++ Grade 3.57 CGPA (IV cycle)  
Ranked 41<sup>st</sup> in NIRF 2023 Ranking

**DEPARTMENT OF PHYSICS AND CENTRE FOR RESEARCH**

in collaboration with

**SCIENCE AND ENGINEERING RESEARCH BOARD (SERB)**

PRESENTS

# ANNUAL PHYSICS SYMPOSIUM ON SPACE PHYSICS AND ASTROPHYSICS



14-15 December 2023

## CALL FOR PAPERS

Papers are invited on the focal theme of the Symposium (Astronomy, Astrophysics, Cosmology and Space Physics). Selected papers will be published in the Proceedings with ISBN number.



### Abstract Submission

20 November 2023



### Full Paper Submission

30 November 2023



For further information, visit at

<https://teresas.ac.in/annual-physics-symposium/>

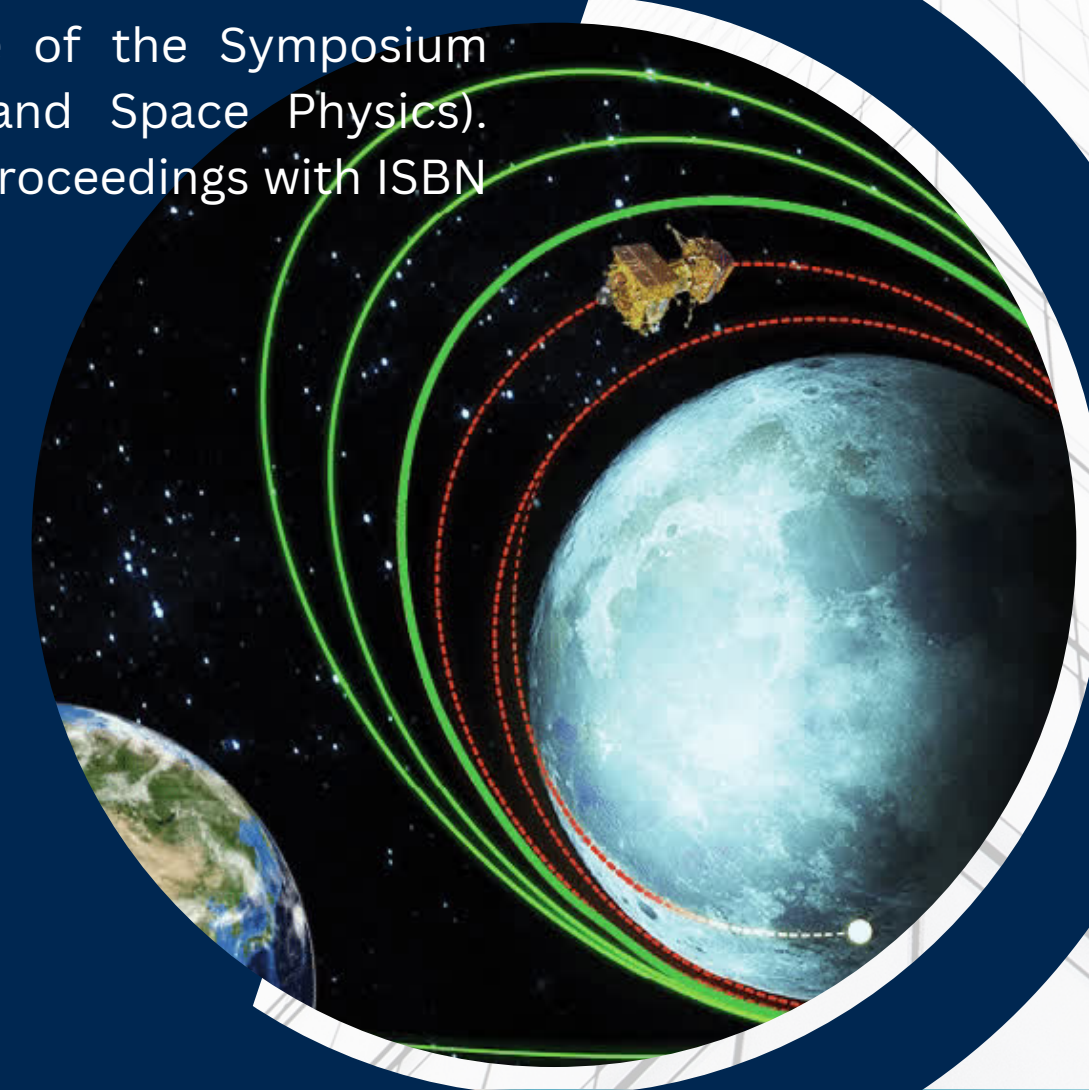


**REGISTER NOW**

on or before 5 December 2023

### Early Bird Registration Fee








Faculty : Rs.750  
Paper Presenters : Rs.400  
Students/ Researchers : Rs.200



## ABOUT THE SYMPOSIUM

The Department of Physics and Centre for Research, St. Teresa's College Autonomous, Ernakulam, has been conducting the Annual Physics Symposium (APS) every year since 2017. APS aims to provide a forum for interaction among eminent scholars, young researchers and the student community. The focal theme of APS 2023-24 is Space Physics and Astrophysics as a celebration of the major footsteps of India in Space Science and the breakthroughs of Indian Scientists in Astrophysics and Cosmology.

## INVITED SPEAKERS

-  **Shri. E S Padmakumar**, Director, ISRO Inertial Systems Unit, Thiruvananthapuram
-  **Dr. V. Narayanan**, Director, Liquid Propulsion Systems Centre, Thiruvananthapuram
-  **Prof. Tejinder Pal Singh**, IUCAA, Pune
-  **Prof. Hamsa Padmanabhan**, University of Geneva, Switzerland
-  **Prof. Gopakumar Achamveedu**, Dept. of Astronomy & Astrophysics, TIFR
-  **Prof. Shibu K. Mathew**, Udaipur Solar Observatory, Rajasthan, INDIA
-  **Dr. Sarath N**, Post Doctoral Fellow, IIT Kanpur

## OUR PATRONS

Dr. Sr. Vinitha CSST (Manager)

Dr. Alphonsa Vijaya Joseph (Principal)

Dr. Sr. Emeline CSST (Director)

Dr. Kala M S (Vice Principal)

## COORDINATORS

Ms. Minu Pius (Convenor)

Dr. Frincy Francis (Co-Convenor)

Dr. Priya Parvathi Ameena Jose (HoD)

## ORGANIZING COMMITTEE

Dr. Mary Vinaya (Assistant Professor)


Dr. Susan Mathew (Assistant Professor)

Dr. Sreeja V G (Assistant Professor)

Dr. Santhi A (Assistant Professor)

Dr. Mariyam Thomas (Assistant Professor)

contact

 9961891720, 81299 79230

 [aps.teresas@gmail.com](mailto:aps.teresas@gmail.com)

 Arts Auditorium, St. Teresa's College (Autonomous), Ernakulam, Park Avenue Road





## PROGRAMME SCHEDULE

9.00 a.m. to 10.00 a.m.

Inaugural Session & Keynote Address

### Invited Lecture 1

10.00 a.m. to 11.00 a.m.

Chaired by  
Dr. Kala M S

**Shri. E S Padmakumar**

Director, ISRO Inertial Systems Unit,  
Thiruvananthapuram

11.00 a.m. to 11.15 a.m.

Tea Break

### Invited Lecture 2

11.15 a.m. to 12.30 p.m.

Chaired by  
Dr. Kala M S

**Dr. V. Narayanan**

Director, Liquid Propulsion Systems  
Centre, Thiruvananthapuram

12.30 p.m. to 1.30 p.m.

Lunch Break

### Invited Lecture 3

1.30 p.m. to 2.30 p.m.

Chaired by  
Dr. Priya Parvathi Ameena Jose

**Prof. Gopakumar Achamveedu**

Dept. of Astronomy & Astrophysics, TIFR

### Invited Lecture 4


2.30 p.m. to 3.30 p.m.


Chaired by  
Ms. Minu Pius

**Prof. Hamsa Padmanabhan**

University of Geneva, Switzerland

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## PROGRAMME SCHEDULE

### Invited Lecture 5

09.30 a.m. to 10.30 a.m.

Chaired by  
Dr. Mary Vinaya

**Dr. Sarath N**

Post Doctoral Fellow, IIT Kanpur

### Invited Lecture 6

10.30 a.m. to 11.30 a.m.

Chaired by  
Dr. Santhi A

**Prof. Tejinder Pal Singh**

IUCAA, Pune

11.30 a.m. to 11.45 a.m.

Tea Break

### Invited Lecture 7

11.45 a.m. to 12.45 p.m.

Chaired by  
Dr. Mariyam Thomas

**Prof. Shibu K. Mathew**

Udaipur Solar Observatory, Rajasthan

12.45 p.m. to 1.30 p.m.

Lunch Break

### Paper Presentations


1.30 p.m. to 2.30 p.m.

Chaired by  
Dr. Frincy Francis

**Oral/ Poster Presentations**

### Valedictory Function

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