

Guest Lecture Report on  
**“The Multiwavelength Observations of the Sun and Their  
Inferences”**

The guest lecture on **“The Multiwavelength Observations of the Sun and Their Inferences”** was held at Rajalakshmi Seminar Hall on **June 19, 2024**. Organized by the Astronomy Club in association with the Department of Aeronautical and Aerospace Engineering, the event aimed to enhance understanding among students about advanced solar observation techniques and their applications.

**About the Guest:**

Dr. Kathiravan Chidambaram, Associate Professor, Indian Institute of Astrophysics, Bangalore. He has completed his Ph.D., in Physics (2006) at Indian Institute of Astrophysics, Bangalore. He studied M.Sc. in Physics (1998) at Madurai Kamaraj University, Madurai. He has published more than 50 research articles/papers in highly reputed journals. He Worked as post-doctoral fellow for 2.5 years in the field of solar radio astronomy after Ph.D. He Has been guiding science and engineering graduates for their curriculum projects since 2008, and for PhD since 2010 He specializes in solar physics and radio astronomy. His research interest in the following area is significant,

- Studying the Sun using ground and space based multiwavelength observations
- Developing radio antennas, analog and digital receivers for observing the Sun and other celestial radio sources
- Writing software for analyzing the solar data

### **About the Guest Lecture:**

The event commenced with a warm welcome to Dr. Kathiravan Chidambaram by Professor S C Gupta, who honoured the guest with a flower bouquet.



**Picture 1: Professor S C Gupta (Right) honoured the Dr. Kathiravan Chidambaram (Left)**

Dr. Kathiravan Chidambaram provided a comprehensive overview of the Indian Institute of Astrophysics, highlighting its facilities, observatories, internship opportunities, and courses offered. He traced the evolution of telescopes from early spyglasses to modern instruments, emphasizing their role in solar observation. The lecture focused on various aspects of sun observation, including sunspots, solar magnetic fields, the chromosphere, corona, and their interconnections with Earth. Dr. Kathiravan Chidambaram engaged the audience with insights into ongoing research in solar observations.



**Picture 2: Dr. Kathiravan Chidambaram engaged the audience with his research insights and thoughts**

Following the lecture, students actively participated in a Q&A session, clarifying doubts and seeking advice from the expert. Dr. Kathiravan Chidambaram motivated students to further develop their skills in multiwavelength observations of the sun. Students expressed appreciation for the informative and engaging session. The guest lecturer concluded with a vote of thanks delivered by a student representative, expressing gratitude to Dr. Kathiravan Chidambaram for sharing his expertise.



**Picture 3: Students clarifying doubts and seeking advice from the expert**

**Outcome of the Event:**

The guest lecture on multiwavelength observations of the sun proved to be highly informative and inspirational for both students and faculty alike. It provided valuable insights into cutting-edge research in astrophysics and encouraged students to pursue further exploration in the field. This event not only enriched the knowledge of participants but also helped to strengthen the academic collaboration between MVJCE and the Indian Institute of Astrophysics.

Club Coordinator

Head of the Department

[Dr. P. MANIKANDAN]