



# NATIONAL SCIENCE DAY 2023



28<sup>th</sup> February 2023



11:00 AM onward



Silver Jubilee Hall



Theme  
**Global Science  
for Global Wellbeing**

## SCIENTIFIC LECTURE



Speaker:

**Professor Dibyendu Nandi**

Department of Physical Sciences and  
Center of Excellence in Space Sciences India  
Indian Institute of Science Education and  
Research Kolkata

Dibyendu Nandi is Professor of Physics and is currently the Head of the Center of Excellence in Space Sciences India (CESSI) at IISER Kolkata. He specializes in understanding the Sun's dynamic activity and its influence on our near-Earth space environment and planetary atmospheres. Dibyendu obtained his PhD from the Indian Institute of Science and subsequently spent seven years in the United States of America working at the Solar Physics Group at Montana State University. Dibyendu has held visiting positions at Harvard Smithsonian Center for Astrophysics, St Andrews University, Georgia State University and the Nordic Institute of Theoretical Physics. He has published widely, including in journals such as the Astrophysical Journal, Astronomy and Astrophysics, Monthly Notices of the Royal Astronomical Society, Geophysical Research Letters, Nature, and Science. Dibyendu's honours include the Martin Forster Gold Medal for the best thesis from the Indian Institute of Science, a Visiting Professorship of the Swedish Wenner-Gren Foundation, the Karen Harvey Prize of the American Astronomical Society, the Young Career Award of the Asia Pacific Solar Physics Society and the Modali Award of the Astronomical Society of India. Dibyendu is a co-investigator on the Aditya-L1 space mission – India's first space observatory to study the Sun. He is currently the Vice President of Commission E4 of the International Astronomical Union, a member of the NASA-ISRO Heliophysics Working Group and Chairperson of the Public Outreach and Education Committee of the Astronomical Society of India.

**Title:** *Living with Stars*

Earth is the only planet known to harbour life in the Cosmos. Over and beyond the prevailing conditions within our biosphere, our space environmental conditions critically impact the possibility of life in surprising ways. In this lecture I shall highlight the physical processes through which the Sun impacts our life, the weather in space, and technologies that drive our modern society. Drawing lessons from our own solar system, I shall also discuss how satellite observations and computational modelling are revolutionizing our understanding of star-planet interactions and the possibility of life in exoplanets – far away worlds beyond our own.

Visit to  
**S. N. Bose Archive**



Inter-College  
**Quiz Contest**



Inter-College  
**Poster Competition**

