

Department of Physics, Dibrugarh University organized a WORKSHOP ON SPACE AND ATMOSPHERIC SCIENCES' RESEARCH TOOLS

The Department of Physics, Dibrugarh University organized a hybrid workshop on Space and Atmospheric Sciences' Research tools during May 26-30, 2022. The workshop aimed at providing basic introduction and training on research tools in Space and Atmospheric Sciences. It covered different domains of Space Science Research like Radio astronomy, Solar Physics, Ionospheric Physics, and Atmospheric Physics including hands-on sessions on handling satellite data and climate models etc.



The event started with the inaugural speech by the honorable Prof. L.K. Nath, Vice-Chancellor, and a welcome speech by Dr. P.K. Saikia, Head of the Physics Department, followed by Convener's remark by Dr. Bitap Raj Kalita and a vote of thanks by the joint convener Dr. Binita Pathak.

The workshop began on 26th May, 2022 with a talk by Dr. Ruta Kale, the recipient of the Women Excellence Award, 2022 in Physics on "Introduction to radio astronomy", and a hands-on session by Dr. Rubinur Khatun, on "Imaging with the Giant Metre wave Radio Telescope". Both of them are from the National Centre for Radio Astrophysics, TIFR, Pune campus. The second day included a talk by Dr. Narendra Ojha, winner of the ICTP prize, 2021 from Physical Research Laboratory, Ahmedabad, on "Atmospheric Modeling over global to local scales" followed by a hands-on session by Meghna Soni on "Analysis of model data and performing simple simulations". On 28th of May, Dr. Sanjiv Tiwari, Senior Research Scientist at Bay Area



Environmental Research Institute, the USA delivered a lecture on physics of the Sun while highlighting his new findings on the “Fine-scale, Dot-like, Brightenings in an Emerging Flux Region on the Sun”. It was followed by a talk on “Introduction to atmospheric trace gases” and a hands-on session on “Plotting satellite data using python” by Dr. Girach Imran, a scientist at Space Application Centre, Ahmedabad, ISRO. The last day included a talk on “Basic Ionospheric Measurements: Techniques and Tools” by Dr. Mala Bagiya, a receiver of the Young Researcher Award, 2018, from Indian Institute of Geomagnetism (IIG), Mumbai, followed by a hands-on session by Srinivas Nayak, Technical Officer in IIG. The final talk of the workshop was delivered by Prof. PK Bhuyan, an UGC Emeritus Fellow, former Professor, Department of Physics and Ex-Chairperson of the Centre for Atmospheric Studies, Dibrugarh University on “The Ionosphere over south east Asia”. The response to workshop was tremendous with more than 300 registrations and more than 100 active participants per session on the average from all across India.