

## ASI 2023 - List of Selected Abstracts – Sun and Solar System

Name	Conference ID	Affiliation	Title	Abstract Type by SOC
Susanta Kumar Bisoi	ASI2023_743	National Institute of Technology Rourkela	Understanding coronal origin of periodic solar wind number density structures using Parker's solar probe observations	Oral
Yogesh .	ASI2023_39	Physical Research Laboratory	Helium abundance in Stream Interaction Regions - insights	Oral
Hirdesh Kumar	ASI2023_181	Udaipur Solar Observatory, Physical Research Laboratory Udaipur	Effects of magnetic fields on the propagation of gravity waves in the solar atmosphere	Oral
Dr. Sumanjit Chakraborty	ASI2023_27	Physical Research Laboratory, Ahmedabad, India	A TIEGCM simulation approach to observe variations in the equatorial and low latitude vertical plasma drifts	Oral
Ramesh Chandra	ASI2023_282	Kumaun University, Nainital	Extreme-Ultraviolet Wave associated with SOLA2021-10-28 X1.0 Flare	Oral
Anu B Sreedevi	ASI2023_400	INDIAN INSTITUTE OF TECHNOLOGY (BANARAS HINDU UNIVERSITY), VARANASI	Observational study of bipolar magnetic regions: Support of thin-flux tube rise model?	Oral
Jyoti Sheoran	ASI2023_413	Aryabhata Research Institute of Observational Sciences, Nainital	Evolution of the Thermodynamic Properties of a Coronal Mass Ejection in the Inner Corona	Oral
Souvik Roy	ASI2023_474	Center of Excellence in Space Science India (CESSI), IISER Kolkata	A magnetohydrodynamic modeling approach to simulate CME-forced planetary magnetospheres and predict geomagnetic impacts	Oral
Kartika Sangal	ASI2023_525	IIT BHU, Varanasi	Statistical Study of Wave Propagation in the Quiet-Sun observed by IRIS	Oral
Prathap Rayalacheruvu	ASI2023_340	National Institute of Science Education and Research	Tracing the Origin and Evolution of Sun-like Planetary Systems using Molecular Astrophysics	Oral
SELVAKUMARAN R	ASI2023_559	SPACE PHYSICS LABORATORY, VIKRAM SARABHAI SPACE CENTER	DETAILED UNDERSTANDING OF REDUCED GEO-EFFECTIVENESS OF SOLAR CYCLE 24	Oral
Shirsh Lata Soni	ASI2023_558	Space physics Laboratory, Vikram Sarabhai Space Center, ISRO, India	Evolution of Interacting ICMEs Observed by Solar Orbiter and Wind Within Less Than 0.1 AU separation	Oral
DIBYA KIRTI MISHRA	ASI2023_308	ARIES,NAINITAL	Variation in the Chromospheric Differential Rotation over the century	Oral
SATABDWA MAJUMDAR	ASI2023_638	ARYABHATTA RESEARCH INSTITUTE OF OBSERVATIONAL SCIENCES	Probing Velocity Dispersion inside CMEs in Inner corona	Oral
SUDHEER MISHRA	ASI2023_343	INDIAN INSTITUTE OF ASTROPHYSICS, BANGALORE	Initiation of Quasi-Periodic Pulsation at the Base of Kink Unstable Jet	Oral
Rakesh Chandra Narwa	ASI2023_660	Raffles University	SIMULTANEOUS STUDY OF METEOROID IMPACTS AND	Oral

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Arghyadeep Paul	ASI2023_190	Indian Institute of Technology Indore	A Volumetric Study of Flux Transfer Events at the Dayside Magnetopause	Oral
VEMA REDDY PANDITI	ASI2023_50	Indian Institute of Astrophysics	Eruption of the EUV Hot Channel from the Solar Limb and Associated Moving Type IV Radio Burst	Oral
Bidya Binay Karak	ASI2023_271	IIT (BHU)	Magnetic field of the Sun: Reconstruction from Kodaikanal's archival data	Oral
Anitha Raj Rajkumar	ASI2023_38	Universidad de Atacama	Probing clouds and hazes in an inflated hot-Jupiter atmosphere	Oral
Tuhin Ghosh	ASI2023_310	TIFR	Dynamical Instabilities in Multi-Planet Systems	Oral
Devojyoti Kansabanik	ASI2023_429	National Centre for Radio Astrophysics, Tata Institute of Fundamental Research, Pune, India	Deciphering Faint Gyrosynchrotron Emission from Coronal Mass Ejection using Spectro-polarimetric Radio Imaging	Oral
Binal Patel	ASI2023_533	Udaipur Solar Observatory, Physical Research Laboratory	On the triggering of homologous blowout jets and the jet-flare-CME connections	Oral
Debi Prasad Choudhary	ASI2023_120	California State University Northridge	Association of Filament Eruption with Coronal Mass Ejection	Oral
Divya Oberoi	ASI2023_593	NCRA-TIFR	Augmenting Aditya-L1 Science with High Fidelity Radio Imaging	Oral
Surhud More	ASI2023_588	IUCAA	Subaru Search for Planet Nine	Oral
Anusha L S	ASI2023_199	Indian Institute of Astrophysics, Koramangala 2nd block, Bengaluru	Angle-dependent partial redistribution effects on scattering line polarization in multi-dimensional geometries	Oral
Nat Gopalswamy	ASI2023_223	NASA Goddard Space Flight Center	New insights into the origin of long-lived solar gamma-ray emission	Oral
Girjesh Gupta	ASI2023_553	Physical Research Laboratory	Spectroscopic and imaging observations of small-scale hot and cool transients on the Sun	Oral
Aravind K	ASI2023_654	Physical Research Laboratory, Ahmedabad	The peculiar Comet C/2019 L3 observed through Indian and Belgian telescope facilities	Oral
Arun Kumar Awasthi	ASI2023_716	Space Research Centre, Polish Academy of Sciences, Wroclaw, Poland	Effects of supra-arcade downflows interacting with the post-flare arcade	Oral
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