

ASI 2025 – List of Selected Abstracts – Stars, Interstellar Medium, and Astrochemistry in Milky Way

Name	Conference ID	Affiliation	Title	Abstract type by SOC
Amit Pathak	ASI2025_113	Banaras Hindu University	Spectroscopy of Interstellar Polycyclic Aromatic Hydrocarbons	Invited
Yogesh Chandra Joshi	ASI2025_477	ARIES, Nainital	Exploring Open Clusters to Unravel Galactic Structure	Invited
Drisyaa Karinkuzhi	ASI2025_608	University of Calicut	Neutron capture processes and Galactic chemical evolution	Invited
SUJAY JADHAV	ASI2025_319	TATA INSTITUTE OF FUNDAMENTAL RESEARCH, MUMBAI	Characterizing H ₂ O in IPA sources using JWST	Oral
Olag Pratim Bordoloi	ASI2025_547	Cotton University, Guwahati, Assam, India	Study of Diffuse Ultraviolet Emission from the Dwarf Galaxy Holmberg II: An AstroSat view	Oral
Lupamudra Sarmah	ASI2025_631	Indian Institute of Astrophysics	Asteroseismic insights into Barium stars: Probing companion information and formation pathways	Oral
Susmita Das	ASI2025_458	Konkoly Observatory Budapest/ Inter-University Centre for Astronomy and Astrophysics Pune	An updated theoretical scenario of BL Herculis stars	Oral
Muhammed Riyas A	ASI2025_216	University of Calicut	Dissecting r-Process Elemental Abundance Trends in CEMP Subclasses	Oral
sarwar khan	ASI2025_52	Max-Planck-Institut für Radioastronomie	Molecular and ionized gas physics associated with HII regions	Oral
Shyam Menon	ASI2025_127	Rutgers University and Flatiron Institute	The Interplay of Feedback and Star Formation in Dense Compact Star Clusters	Oral
Namrata Rani	ASI2025_263	Universidad de Concepción, Chile	Formation of Thioacetaldehyde and Dithiol in the Interstellar Medium: Mechanisms and Binding Energy Analysis	Oral
Dr. ATANU KOLEY	ASI2025_462	Postdoctoral Fellow, University of Concepcion, Chile	ALMA-IMF XXX: C18O (J = 2–1): Measurements of turbulence in 15 massive protoclusters	Oral
Snehalata Sahu	ASI2025_239	University of Warwick	Ultraviolet detection of carbon reveals a hot white dwarf merger remnant	Oral
Piyali Saha	ASI2025_566	National Astronomical Observatory of Japan (NAOJ)	Unveiling an Hourglass Magnetic Field in G333.46-0.16 using ALMA	Oral
SAIKHOM PRAVASH SINGH	ASI2025_587	Indian Institute of Astrophysics, Bengaluru	Dust grain alignment and disruption mechanisms in G34.43+0.24 using thermal dust polarization observations from JCMT/POL-2	Oral
Pallavi Saraf	ASI2025_208	Indian Institute of Astrophysics	Discovery of CEMP stars from HESP-GOMPA survey and ML classification	Poster
Koshvendra Singh	ASI2025_290	Tata Institute of Fundamental Research	Modelling the Accretion Hotspot of Low-Mass Young Stars: Insights into Thermal and Spatial Structure	Poster
Mrinmoy Sarkar	ASI2025_151	Aryabhata Research Institute of Observational Sciences	Asteroseismology of the mild Am delta Sct star HD 118660: TESS photometry and modelling	Poster
Meenakshi P	ASI2025_244	Christ (Deemed to be Univeristy)	Tracing accretion histories through high-resolution spectroscopy of extremely metal-poor stars: Insights from HE 0225–0546 and H	Poster

Surath Chandra Ghosh	ASI2025_336	Aryabhata Research Institute of Observational Sciences (ARIES)	Study of Chemically Peculiar Pulsating Stars using Space Based Photometry and High Resolution Spectroscopy	Poster
Ranjana Jaiswal	ASI2025_184	Deen Dayal Upadhyaya Gorakhpur University	Investigation Of Young Open Clusters NGC 1582 and NGC 6604	Poster
Khushbu K.	ASI2025_201	Indian Institute of Astrophysics	Self-consistent modelling of the ionized and neutral gas in PN NGC 6445	Poster
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FARHA A A	ASI2025_218	University of Calicut	Isotopic Abundances of Heavy Elements in S-process Enriched Stars	Poster
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Omkar Jadhav	ASI2025_401	Physical Research Laboratory	Understanding the Interplay of Magnetic Fields and Gas Dynamics in the G47 filamentary cloud	Poster
Keerthy M V	ASI2025_435	University of Calicut, Kerala	Non-local thermodynamic equilibrium (NLTE) abundance analysis of newly identified limited r-stars	Poster
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NAMBRAM NIRODA DEVI	ASI2025_509	ASSAM UNIVERSITY SILCHAR	Exploring the Umov Effect in Dust Aggregates: Influence of Material Composition and Size Distribution	Poster
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Shatanik Bhattacharya	ASI2025_376	Tata Institute of Fundamental Research, Mumbai	Measurement of Internal Magnetic Fields of Red-giant stars using Machine Learning	Poster
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Aayushi Verma	ASI2025_198	Aryabhata Research Institute of Observational Sciences	Investigating the Star-forming Sites in the Outer Galactic Arm	Poster
Akash P	ASI2025_219	University of Calicut	Investigating the Physical and Chemical Characteristics of C-J type carbon stars	Poster
Bhaskarjyoti Barman	ASI2025_573	Assam University, Silchar	Insights from Molecular Clouds: Turbulence, Magnetic Field and other Physical Parameters	Poster
Sanchali Nath Mazumdar	ASI2025_558	Assam University, Silchar	Exploring the dependence of outflow direction on the orientation of magnetic field	Poster

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Goutham Krishna Anitha Kumari	ASI2025_246	Astronomical Observatory of the Jagiellonian University	Uncovering New Pulsators Among Hot Subdwarf Stars in Single and Close Binary Systems	Poster
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SMRUTI SASWATA HOTA	ASI2025_615	PONDICHERRY UNIVERSITY	Transient nature study of classical Be stars using H α variability	Poster
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SAMRAT GHOSH	ASI2025_744	Aryabhata Research Institute of Observational Sciences: ARIES	Dynamic Photometric Variability in Three Young Brown Dwarfs in Taurus: Detection of Optical Flares with TESS data	Poster
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Gaurav Singh	ASI2025_647	National Astronomical Observatory Chinese Academy of Sciences (NAOC)	Astronomy from the moon: Role of LUT onboard Chang'E-3	Poster (will be moved to facilities category)