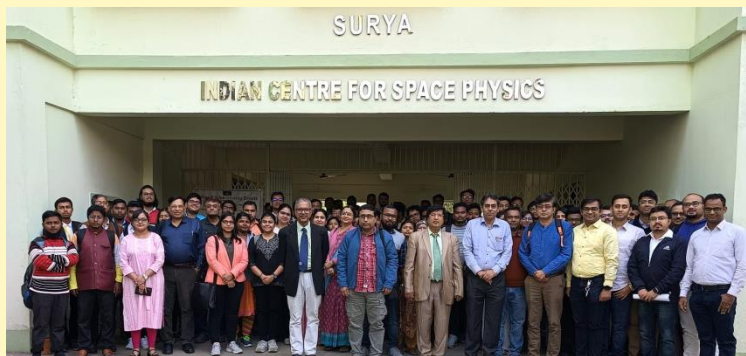




The grand finale of the **Silver Jubilee Celebrations** of the Indian Centre for Space Physics (ICSP) took place in a spectacular **Closing Ceremony** on December 7, 2024, at the ICSP, Integrated campus.



On December 7, 2024, ICSP organized a conference titled **'Frontiers in Modern Astronomy, Astrophysics, and Space Science'** as part of its grand *Silver Jubilee Closing Ceremony*. This momentous event not only marked the successful journey of ICSP for 25 years, but also celebrated its

unwavering dedication to advancing the realms of astronomy, astrophysics, and space science. Prof. Sandip K. Chakrabarti (ICSP), Prof. Sudip Bhattacharyya (TIFR), Prof. Dibyendu Nandi (IISER Kolkata), and Prof. Archan S. Majumdar (SNBNCBS) were among the esteemed speakers there.

A one-day seminar on **Space Exploration with Students** was held on January 3, 2025, featuring **Prof. Supriya Chakrabarti** from LCSST, University of Massachusetts, Lowell, USA as the keynote speaker.



Students of the **Diploma Course (Session I)** took their examinations on December 1, 2024, and were awarded their *Certificate-cum-Grade Cards* during the **Closing Ceremony** on December 7, 2024.

ICSP organized a seminar on '*Accretion and ejection around black holes across mass scales*' by Dr. Santanu Mondal, Ramanujan Fellow, IIA on January 24, 2025 at S.S. Dikpati Hall.



ICSP showcased the '*Planetary Alignment*' through many of its telescopes from January 25 to February 2, 2025, at the rooftop of the Integrated Campus. Except Neptune, all the other planets were seen.



ICSP team had a special educational trip on January 13, 2025 to the **Integrated Test Range, DRDO** at Chandipur. The team visited all the Launch pads and Mission control centers (left). **76th Republic Day** was celebrated at ICSP (right).

Research and Developmental Activities: Papers published in Refereed Journals

- i. **Viscous Transonic Accretion Flows in Kerr Black Hole Geometry** by **A. Bhattacharjee** and **S. K. Chakrabarti**, ApJ, 977, 54B2024/12 (2024)
- ii. **Investigating changing-look active galactic nuclei with long-term optical and X-ray observations** by **A. Jana**, C. Ricci, M.J. Temple, H-K Chang, E. Shablovinskaya, B. Trakhtenbrot, Y. Diaz, D. Ilic, **P. Nandi**, M. Koss, A&A, 693, A35 (2025).
- iii. **A long-term study of Mrk50 : Appearance and disappearance of soft excess** by N. Layek, **P. Nandi**, S. Naik, **A. Jana**, ApJ, 981, 74 (2025).
- iv. **A spectrophotometric analysis and dust properties of classical nova V5584 Sgr** by **M. S. Bisht**, **A. Raj**, F.-M. Walter, **D. Bisht**, Gargi Shaw, **K. Belwal**, **S. Biswas**, Monthly Notices of the Royal Astronomical Society, 536, 2661-2671 (2025)
- v. **Photometric, astrometric, and kinematical characteristics of two Xuyi's open clusters utilizing Gaia DR3 data** by W. Elsanhoury, **D. Bisht**, **K. Belwal**, **M. S. Bisht**, and **A. Raj**, Advances in Space Research, 75, 1502-1517 (2025)
- vi. **Cross-equatorial Traveling Ionospheric Disturbances and Changes in Background ionospheric densities over Indian longitudes during Geomagnetic Storm of 20-21 December 2015** by **S. Saha**, D. Pallamraju, S. Kumar, V. L. Narayanan, and S. Sunda, Advances in Space Research, (accepted in February 2025)

A few media coverages on ICSP:

✓ https://mepaper.anandabazar.com/imageview_81130_6134254_1_4_71_08-12-2024_11_i_1_sf.html?fbclid=IwY2xjawI2a7RleHRuA2F1bQI_xMAABHcCok88ojX_wGN_1WMihzJ07c_1tM7g5vpKbdLY-

✓ <https://www.youtube.com/watch?v=I2Kvvg8rMFA>
 ✓ https://www.youtube.com/watch?v=nok5ge_07KY
 ✓ <https://www.facebook.com/Zee24Ghanta/videos/25597369>

- ✓ https://www.anandabazar.com/travel/5-museums-to-visit-with-your-little-ones-this-winter-at-kolkata-dgtl/cid/1570370?fbclid=IwY2xjawI2bBFleHRuA2FibQIxMAABHVTtKnIZEmEID9mIRAn66gyZL5EYuo6H-HYftPU-tj8JYxO09O6sZJR_Q_aem_n4PsZwKb1e8iHlakPzyiAw
- ✓ <https://www.facebook.com/livecalttannews/videos/177972237944021/>
- ✓ <https://www.youtube.com/watch?v=bMvq-Ny1-i0>
- ✓ https://tv9bangla.com/videos/why-was-sunita-williams-sent-to-starline-despite-the-error-1148647.html?fbclid=IwY2xjawI2bHlleHRuA2FibQIxMAABHcCok88ojX_wGN_1WMihzJ07c1tM7g5vpKbdLY-Ix4tAxRvavmhxE9KTjA_aem_X7l-E6ljQdMknQSkx5D-Xw
- ✓ <https://www.youtube.com/watch?v=jkS7lqADSTw>
- ✓ <https://www.facebook.com/livecalttannews/videos/961396495906481/>
- ✓ <https://www.facebook.com/eisamay.com/videos/971680311251974/>

- ✓ <https://www.youtube.com/watch?v=AKOqemwdPb0>
- ✓ <https://www.youtube.com/watch?v=7QDLP52ioLE>
- ✓ <https://www.facebook.com/TV9BanglaLive/videos/1350342336331814/>
- ✓ <https://www.facebook.com/100057184820823/videos/583848647967240?idorvanity=459290274882129>
- ✓ <https://www.facebook.com/photo/?fbid=1150313363551480&set=pcb.1836079877203155>



Collage of flowers: ICSP Main Campus

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