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Editor: Sandip K. Chakrabarti, Director



ICSP starts its Silver Jubilee year from 8th December, 2023. Staff members and others joined the celebration at J.N.C. Auditorium with cultural program.

Birth Centenary Celebration of Prof. A.K. Raychoudhury and Prof. M.K. Das Gupta took place with talks of Prof. David Reitz of Caltech, Prof. Subir Sarkar of Oxford Univ. and Prof. Luciano Rezolla of Goethe University, Frankfurt.

Adda with the Descendents of the Giants took place where grandchildren of Prof. Meghnad Saha, Prof. S.N. Bose and niece of Prof. S. Chandrasekhar joined a light discussion on how these giants spent in their daily lives.



First Biennial Conference on Astronomy, Astrophysics, and Space Science: Exploring the Universe, from Near to Far took place during 16-21 February, 2024 at J.N.C. hall with over 100 National and International participants. For the last two days, the conference took place at Sitapur Optical Observatory campus. ICSP main building and the guest house at Sitapur were inaugurated in this occasion as well.



Research and Developmental Activities: Papers published in Refereed Journals

i. VizieR Online Data Catalog: Survey of bare $z < 0.2$ AGNs. I. X-ray soft excess (Originally in 2023ApJS, 269, 15), by **P. Nandi**, A. Chatterjee, A. Jana, **S.K. Chakrabarti**, S. Naik, S. Safi-Harb, H.-K. Chang, J. Heyl, 2024, yCat.

ii. Accretion Flow Properties of EXO 1846-031 during Its Multi-peaked Outburst after Long Quiescence by **S.K. Nath**, D. Debnath, K. Chatterjee, R. Bhowmick, H.-K.Chang, **S.K. Chakrabarti**, ApJ, 960, 5 (2024)

iii. Study of X-ray spectral and timing properties of astronomical sources using low-cost stratospheric balloons by **R. Sikdar, S.K. Chakrabarti, D. Bhowmick**, MNRAS, 2023, 526, 4, 6181 (2023)

iv. Study of secondary cosmic rays using small stratospheric balloon missions by **R. Sikdar, S.K. Chakrabarti and D. Bhowmick**, J. Astron. Astrophys. 44, 2, 73, (2023)

Modeling of Solar Eclipse effects on the sub-ionospheric VLF/LF signals observed by multiple stations over Japan by **T. Basak**, Y. Hobara, S. Pal, T. Nakamura, J. Izutsu, T. Minatohara, AdSpR, 73, 1, 736-746, (2024)

UOCS. XIII. Study of the Far-ultraviolet Bright Stars in the Open Cluster NGC 2420 Using AstroSat by R. K. S. Yadav, Arvind, G Rangwal, A Subramaniam, **D. Bisht**, R Sagar, ApJ, 961, 251, 6 (2024)

PhD Thesis Submitted/Degree received:

Extraction Of Physical Properties Of Interstellar Medium From The Observed Line Profiles by Bratati Bhat (Supervisor: A. Das, Jt. Supervisor: Sandip K. Chakrabarti)

Study Of Ionospheric Electron Density Distribution And Its Modulation Due To Various Perturbing Phenomena by Subrata Kundu (Supervisor: S. Sasmal; Jt. Supervisor: Sandip K. Chakrabarti)

A few media coverage on ICSP in the period:

<https://epaper.telegraphindia.com/imageview/457971/2488718/71.html>

https://epaper.anandabazar.com/imageview_74553_2465576_4_71_28-12-2023_6_i_1_sf.html

https://epaper.anandabazar.com/imageview_74567_356337_4_71_29-12-2023_6_i_1_sf.html

<https://www.youtube.com/watch?v=drJx13AmdhE>

https://fb.watch/u_el6LH_KF/



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