



# ANNUAL REPORT 2022-23



वार्षिक प्रतिवेदन  
2022-23

होमी भाभा राष्ट्रीय संस्थान

HOMI BHABHA NATIONAL INSTITUTE

परमाणु ऊर्जा विभाग की सहायता प्राप्त संस्था  
और यूजीसी अधिनियम 1956 की धारा 3 के तहत विश्वविद्यालय माना जाता है  
( A Deemed to be University u/s 3 of UGC Act 1956 and a Grant-in-Aid  
Institute of the Department of Atomic Energy, Govt. of India)

32. Mr. Sanu Varghese, IoP has been selected as convener of STEAM group (Level-2 convener in CMS Trigger coordination) for the period September 2022 to August 2024.
33. Ms. Rojaline Padhan, IoP has received prestigious Fulbright-Nehru Doctoral Research Fellowship 2022-2023.
34. Shri Santosh Kumar Sahoo, NISER received Chanakya Fellowship from i-Hub Quantum Foundation, Pune to pursue his Master's thesis on the topic, "Spin-Seebeck Effect in manganite LSMO/Pt heterostructure."
35. Shri Pushendra Gupta, NISER won the Best Poster Award for his poster titled, "Frequency dependent inverse spin Hall effect in  $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{Pt}$  bilayer system," in the Conference on "Frontiers in Materials for Technological Applications (FIMTA 2022)," held at CSIR-IMMT, Bhubaneswar during August 03-05, 2022.
36. Ms. Ilina Bhattacharya, NISER received Best Poster Award at the 1st HBNI theme meeting on Life Sciences by HBNI, held at RRCAT, Indore from September 7-10, 2022.
37. Ms. Sukiriti Hans, IPR got the Best Oral Presentation Award for her paper titled "Role of Ion Beam Parameters in the Evolution of Self-organized Nanoripple Superimposed by Triangular Features" in the prestigious 22<sup>nd</sup> International Conference on Ion Beam and Materials Modifications held at Lisbon, Portugal during July 10-15, 2022.
38. Mr. Ankit Dhaka, IPR, received Best Poster-III Award for his poster presentation on "Experimental Estimation of Transport Parameters using Microscopic Density Fluctuations of Dusty Plasmas" at the National Conference on Recent Developments and Evolving Trends in Plasma Science and Technology & Pre-conference Workshop on Modelling and Simulation of Industrial Plasmas, jointly organized by Department of Physics Bharathiar University, Coimbatore and Beam Technology Development Group, Bhabha Atomic Research Centre (BARC), Mumbai in association with the Power Beam Society of India (PSI), Navi Mumbai, during 22-24 September 2022.
39. Mr. Vishal Gupta, IPR received Best Paper Award for his poster presentation on "Development of Cryopump to evacuate large throughput under high heat load condition for SST-1" at the 28th National Symposium on Cryogenics and Superconductivity (NSCS-28), held at IIT Kharagpur during October 19-21, 2022.
40. Mr. Dheeraj Kumar Sharma, IPR received First Prize of the "PSSI- Z. H. Sholapur Wala Award for Fusion Research for his talk, titled, "Manufacturing Experience of Indigenously Developed Dished Head-Sub Assembly (DH-SA) for High Voltage Bushing (HVB) of Indian Test Facility (INTF)" at 37th National Symposium on Plasma Science & Technology (Plasma-2022), Plasma Science Society of India (PSSI) and the Indian Institute of Technology, Jodhpur, during 12-14 December 2022.
41. Mr. Shishir Biswas, IPR, received PSSI Best Poster Award 2022 for his talk, titled, "Effect of flow shear on the onset of dynamo" at 37th National Symposium on Plasma Science & Technology (Plasma-2022), Plasma Science Society of India (PSSI) and the Indian Institute of Technology, Jodhpur, during 12-14 December 2022.