

Ph.D Degrees Awarded - 2023

Name of the PhD Scholar	Dept/ Center	Name of the guide/s	Title of the thesis	Date of registration of the scholar	Year of Degree
Abhinav Kala	DCMPMS	Achanta Venu Gopal	Nanophotonic Structures for Single-Photon Emission and Biosensing	20/07/2018	2023
Aditya Chowdhury	NCRA	Jayaram N. Chengalur	The Cosmic Evolution of Atomic Hydrogen	26/07/2018	2023
Amitava Chandra	DCS	Ankona Datta	Fluorescent Sensors for Sensing and Imaging Anionic Phospholipids	01/09/2017	2023
Animesh Jana	CAM	Shyam Sundar Ghoshal	Uniqueness and some regularity aspects of hyperbolic conservation laws	20/08/2019	2023
Anjali Jaiman	NCBS	Mukund Thattai	Glycan Variability and Control in the Golgi Apparatus	07/07/2016	2023
Ankur Gupta	DCS	Sudipta Maiti	Membrane order as a critical parameter in the interaction of small molecules and peptides with lipid bilayers	17/09/2018	2023
Arnab Seth	ICTS	Subhro Bhattacharjee	Fractionalisation in spin-orbit coupled magnetic insulators	31/07/2019	2023
Arup Kundu	DCS	Jyotishman Dasgupta	Probing the Correlated Triplet-Triplet Pair in Singlet Fission	19/11/2018	2023
Atrideb Chatterjee	NCRA	Tirthankar Roy Choudhury	Theoretical Studies of Cosmic Dawn	22/06/2018	2023
Jeenath Rahaman	HBCSE	Subramaniam K. / Sanjay Chadrasekhar	Empirical studies of students' conception of Area-measurement, and their implications for Mathematics Education	04/10/2011	2023
Kesavan P S	TCIS	Aprotim Mazumder	Microscopy and image analysis based enhancements for investigating DNA damage responses in cells	17/05/2017	2023
Kirti Gupta	DBS	Mahendra Sonawane	Understanding the mechanisms of epithelial cell size and cell morphology regulation using zebrafish epidermis	01/07/2015	2023
Mayank Narang	DAA	Manoj Purvankara	From Protostars to Exoplanets: Formation and Evolution of Planetary Systems	10/04/2018	2023
Mithilesh Kumar Nayak	TCIS	Anukul Jana / V Chandrasekhar	Pyrrrolinium Cations-Derived Electron Rich Compounds: Synthesis of Closed- and Open-Shell Compounds	20/02/2018	2023
Pallavi Thakur	TCIS	T. N. Narayanan	Towards Advanced Rechargeable Metal-Air Battery Systems Using Electrode and Electrolyte Engineering and Biomolecules based Electrodes	22/03/2018	2023
Pankaj Kumar Chauhan	NCBS	Sowdhamini R.	Computational Insights into Cardiomyopathy: Disease to Individual Proteins	01/08/2018	2023
Praachi Tiwari	DBS	Vidita Vaidya	Exploring the Effects of GPCR Signaling on Anxiodepressive Behaviors using Chemogenetics and Psychedelics	18/06/2018	2023
Prahladh Kumar Sharma	Maths-Mumbai	Raja Sridharan	Subconvexity for $\zeta(3)\zeta(2)$ -functions	18/04/2019	2023

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Prashant Singh	ICTS	Anupam Kundu	Statistical properties of single and multiple active particles	31/07/2019	2023
Pratap Chandra Adak	DCMPMS	Mandar Deshmukh	Electronic transport in topological flat bands of twisted double bilayer graphene	10/07/2018	2023
Rohit Dey	NCBS	Sumantra Chatterjee	Characterization of the behavioral effects of stress on two monogenic rat models of autism	31/07/2017	2023
Sabyasachi Chakraborty	TCIS	Raghunathan Ramakrishnan	Quantum chemical explorations across diverse chemical spaces	07/06/2018	2023
Sandip Mondal	DNAP	Sushil Mujumdar	Light propagation in 1D and 2D disordered, Anderson-localizing systems	29/05/2018	2023
Shubhada Agrawal	STCS	Sandeep Jueja	Bandits with Heavy Tails: Algorithms, Analysis & Optimality	25/01/2019	2023
Shuchita Arun Soman	NCBS	Upinder Bhalla	Signalling characteristics of the serotonin 2A receptor	31/01/2012	2023
Soumen Senapati	CAM	Venkateswaran Krishnan / Rakesh	Stability and uniqueness results for hyperbolic and parabolic inverse problems	27/08/2019	2023
Sudip Chakraborty	DAA	Sudip Bhattacharya / A. R. Rao	Broadband spectral and timing study of black hole X-ray transients across the mass scale	22/03/2017	2023
Suhas Hemant Bhate	NCBS	Ranabir Das	Investigation of the Structural Disruptions in the Misfolding Prion Protein	09/02/2018	2023
Sunil Kumar Jaiswal	DNAP	Subrata Pal	Exploring New Regimes of Relativistic Hydrodynamics	04/04/2019	2023
Sunil Kumar Sake	DTP	Sandip Trivedi	Jackiw-Teitelboim gravity and its application to study of quantum gravity	30/07/2019	2023
Sunny Kataria	NCBS	Raghu Padinjat	Functional heterogeneity of fibroblasts in a mouse model of dermal fibrosis	28/01/2015	2023
Umesh Mohan	NCBS	Sanjay P. Sane	Encoding of visual and mechanosensory information by descending neurons in the hawkmoth, <i>Daphnis nerii</i>	09/07/2012	2023
Vinaya Hemant Sahasrabudhe	NCBS	Hiyya Ghosh	Investigating Tcf4 in microglia development and function	02/02/2017	2023
Vishnu V. Krishnan	TCIS	Smarajit Karmakar	Vibrational and Mechanical properties of model Amorphous Solids	01/08/2017	2023