

**Ph.D Degrees Awarded - 2009**

<b>Name of the PhD Scholar</b>	<b>Dept/ Center</b>	<b>Name of the guide/s</b>	<b>Title of the thesis</b>	<b>Date of registration of the scholar</b>	<b>Degrees Awarded</b>
Abdul Kadir	DCMPMS	Arnab Bhattacharya	Movpe Growth and Characterization of InN and InN/GaN Heterostructures	15/07/2005	2009
Abhijeet S Bardapurkar	HBCSE	Nagarjuna G.	Understanding causality in natural selection: Towards the problematic of learning Darwin's theory of evolution	29/08/2003	2009
Aditya Kelkar	DNAP	Lokesh Tribedi	Interaction of Fast Heavy Ions With C60 Fullerene and Giant Dipole Plasmon Resonance	01/10/2004	2009
Aribam Chandrakant Sharma	Maths-Mumbai	Sujatha R.	Iwasawa theory and modular forms	13/10/2005	2009
B. Kamakshi	DBS	Rao B. J.	Mechanistic and Functional Insights into Duplex DNA Underwinding Mediated by Human Rad51 Recombinase	09/08/2005	2009
Basudeb Dasgupta	DTP	Amol Dighe	Nonlinear Oscillations of Supernova Neutrinos	21/07/2005	2009
Bidisha Roy	NCBS	VijayRaghavan K.	Studying mechanisms underlying the remodelling of an identified serotonergic neuron in Drosophila melanogaster and delineating its functional role in the olfactory circuit	09/08/2006	2009
Debanjan Goswami	NCBS	Satyajit Major	Modes of nano-scale clustering of GPI-anchored protein at the cell surface	29/07/2005	2009
Debdutta Ray	DCMPMS	Narasimhan K.L.	Photoconduction in Molecular Organic Semiconductors	20/09/2004	2009
Himansu Sekhar Biswal	DCS	Sanjay Wategaonkar	Experimental and Computational Investigations of $\sigma$ and $\pi$ -type Sulfur Centered Hydrogen Bonding in Gas Phase	14/02/2005	2009
Jayeeta Bhattacharyya	DCMPMS	Sandip Ghosh	Optical Polarization Anisotropy in Semiconductor Heterostructures	06/09/2004	2009
Muruthi Krishna Mohan Poluri	DCS	Hosur R.V.	Biophysical Investigations on Structure-Dynamics-Function Relationships and Folding Energy Landscape of Dynein Light Chain Protein	29/12/2004	2009
Neeraja M. Krishnan	DBS	Rao B. J.	Insights into Animal Mitochondrial and Plant Chloroplast Genome Replication Mechanisms	02/04/2007	2009
Piyali Banerjee	DHEP	Mondal N.K.	Search for Large Dimensions in pp Collider at $s = 1.96$ TeV	01/08/2003	2009
Rahul Nigam	DTP	Sunil Mukhi	Decay of dyonic black holes	02/06/2005	2009
Rajendra S. Thakur	DCS	Madhu P. K.	Design and Analysis of Heteronuclear Dipolar Decoupling Schemes in Solid-State Nuclear Magnetic Resonance	28/03/2006	2009
Richa Dixit	NCBS	VijayRaghavan K.	Understanding the segmental and neuronal basis of peristaltic behaviour in the Drosophila larva by Hox gene manipulation and toxin mediated ablation	21/04/2004	2009

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Ritesh Khunyakari	HBCSE	Chitra Natarajan	Investigating Middle School Students' Perceptions of Technology and Developing Design and Technology Education Units to Study Students' Design Productions	29/08/2003	2009
Sandeep Kumar Sirothia	NCRA	Saikia D. J.	Deep low-frequency surveys using the Giant Metrewave Radio Telescope	03/07/2008	2009
Sanjukta Roy	DHEP	Unnikrishnan C. S.	Ultra-cold Atoms and Bose-Einstein Condensate in a 1D Quasi-Electrostatic Optical Lattice	01/08/2003	2009
Saptarishi Chaudhuri	DHEP	Unnikrishnan C. S.	Bose-Einstein Condensation of Rubidium Atoms in an Infra-Red Optical Dipole Trap	01/08/2003	2009
Sashideep Gutti	DAA	Singh T. P	Classical and Quantum Aspects of Gravitational Collapse in (2+1) Dimensions	28/09/2004	2009
Seema Sharma	DHEP	Sunanda Banerjee	Performance of CMS Calorimeter and SUSY Search in Jets+Missing ET Channel	28/02/2005	2009
Shamik Chakraborty	DCS	Sanjay Wategaonkar	Spectroscopic Studies of Conventional and Non-Conventional Hydrogen Bonding	30/07/2004	2009
Shivali Agarwal	STCS	Shyamasundar R.K.	Analysis, Scheduling and Reasoning in Distributed Shared Memory Programming Languages	18/02/2005	2009
Sourin Mukhopadhyay	DCMPMS	Pratap Raychaudhuri	Studies on Spin Polarization, Spin Fluctuations and Multiband Superconductivity using Transport Spectroscopic Measurements	11/11/2004	2009
Suman Bagchi	DNAP	Ravindrakumar G.	Study of ion emission from intense, femtosecond laser produced solid plasmas	01/08/2003	2009