

## List of Ph. D. theses from UGC-DAE CSR (Indore Centre)

No.	Year	Scholar Name	Supervisor Name	THESIS TITLE	Present Placement
71	2015	Abhishek Rai	Dr. S. R. Barman	Morphology and electronic structure of low dimensional systems	Postdoc IEAP Universität, Kiel, Germany
70	2015	Sonu Namdeo	Dr. A.M. Awasthi	Synthesis And Characterization of Novel Perovskite Multiferroics	At Soleil Synchrotron, France
69	2015	S. Shanmukha Rao Samatham	Dr. V. Ganesan		
68	2015	Pallab Bag	Dr. Rajeev Rawat	STUDY OF MAGNETO-STRUCTURAL TRANSITION IN SUBSTITUTED HfFe <sub>2</sub> AND FePt SYSTEMS	Postdoc at IISER, Thiruvananthapuram
67	2015	Shankar Rao Yadam	Dr. V. Ganesan		
66	2015	Gagan sharma	Prof. Ajay Gupta	STUDY OF INTERFACES IN FERROMAGNETIC THIN FILMS AND MULTILAYERS	Inspire fellow at Amity University, Noida
65	2015	Jitender Kumar	Dr. A. M. Awasthi	Colossal Dielectric Constant And Magneto-Electricity of Electrically Disordered Oxides	Postdoc at IISER Pune
64	2015	Aga Shahee	Dr. N. P. Lalla		
63	2015	Jayita Nayak	Dr. S. R. Barman	Study of Electronic Structure and Morphology of Different Ternary Materials and Adlayers	Postdoc at Max Planck Institute Germany
62	2015	Pankaj Kumar Pandey	Dr. R. J. Choudhary	Growth and properties of two-dimensional layer structured Sr <sub>2</sub> CoO <sub>4</sub> based Compounds	Scientist Officer, Forensic Science Laboratories, Sagar.
61	2015	Sanjay Kumar Upadhyay	V. Raghavendra Reddy	Preparation & Study of BaTiO <sub>3</sub> Based Ferroelectric & Magneto-Electric Composites	Postdoc at TIFR, Mumbai
60	2015	Manish Kumar	Dr. D. M. Phase	Electronic and Magnetic Properties of Pulsed Laser Deposited Manganites based Thin Film Structures	Postdoc at Pohang Light Source, Korea
59	2015	Dhrirendra Kumar Tiwari	Dr. V. G. Sathe	Studies of Correlation in Pervoskite Compounds	Postdoc at IIT Indore

58	2015	Akhil Tayal	Dr. Mukul Gupta	Influence of Additive Elements on Diffusion and Magnetic Properties of Iron Nitride Thin Films	Postdoc at Soleil Synchrotron France
57	2015	S. W. D'souza	Dr. S. R. Barman	Photoelectron Spectroscopy and Related Studies on Complex Metal Surfaces and Adlayers	Postdoc at Max Planck Institute Germany
56	2014	Ridhi Master	Dr. D. M. Phase	Growth and Properties of Transition Metal Oxide Thin Films	Physics Instructor at Eastwick College Wallington, New Jersey, USA
55	2014	Sarath Lal KV	Prof. Ajay Gupta	Preparation and Study of Patterned Magnetic Thin Films	Postdoc at Petra III, Germany
54	2014	M. Maniraj	Dr. S. R. Barman	Unoccupied Electron States Probed by Inverse Photoemission Spectroscopy and Related Techniques	Postdoc University of Kaiserslautern, Germany
53	2014	Anju Ahlawat	Dr. V. G. Sathe	Raman Spectroscopic Studies of Oxide Thin Films Prepared by Pulsed Laser Deposition	Inspire fellow, postdoc at RRCAT, Indore
52	2014	Komal Bapna	Dr. R. J. Choudhary	Tailoring Structural, Electronic and Magneto-Transport Properties of Functional Magnetic Oxides Thin Films	Postdoc at MLSU Udaipur
51	2014	S. M. Amir	Dr. Mukul Gupta	Surfactant Mediated Growth of Magnetic Multilayers	Postdoc at JCNS, Munich Germany
50	2013	Kavita Sharma	V. Raghavendra Reddy	Preparation and study of GaFeO <sub>3</sub> based magneto electric materials	Inspire Fellow at Amity University, Noida
49	2013	Sanjay Singh	Dr. S. R. Barman	Electronic and Structural Properties of Ni-Mn-Ga Ferromagnetic Shape Memory Alloys and Related Systems	Postdoc at Max Planck Institute Germany
48	2013	Ranjeeta Gupta	Prof. Ajay Gupta	Atomic Diffusion in Magnetic Thin Films and Multilayers	Inspire Fellow at Amity Univ, Noida
47	2013	Uday Prabhakar Deshpande	Dr. T. Shripathi and Dr. A. V. Narlikar	Synthesis and Characterization of Low Dimensional Iron Oxides With Attention to Structure-Property Correlations	Faculty at UGC-DAE CSR, Indore
46	2013	Dileep Kumar Mishra	Dr. V. G. Sathe	Study of Coupled Dynamics in Strongly Correlated Systems	Postdoc at TIFR, Mumbai

45	2011	Suryanarayan Dash	Dr. Alok Banerjee	Study of Field Induced First Order Phase Transition and Related Phenomena in Magnetic Systems	Faculty at National Institute of Technology, Rourkela
44	2011	Pallavi Kushwaha	Dr. Rajeev Rawat	STUDY OF PHASE SEPARATION AND METASTABILITY ACROSS FIRST ORDER MAGNETIC TRANSITIONS	Postdoc at Max Planck Institute Germany
43	2011	Deepti Kothari	Dr. V. R. Reddy	PREPARATION AND CHARACTERIZATION OF BISMUTH FERRITE BASED MULTIFERROIC MATERIALS	Working from home (Solving online Physics questions at different levels)
42	2011	Vaishali Phatak	Prof. Ajay Gupta	NANO-SCALE DIFFUSION IN THIN FILMS AND MULTILAYERS	DST WS at Coimbatore
41	2009	Aditi Dubey	Dr. V. G. Sathe	PHASE TRANSITION BY RAMAN SPECTROSCOPY ON ORIENTED OXIDE THIN FILMS	Postdoc at IIT, Bombay
40	2009	Ajay Soni	Dr. G. S. Okram and Dr. V. Ganesan	STUDY OF PHYSICAL PROPERTIES OF NANOMATERIALS	Faculty at IIT Mandi
39	2008	Anupam Kumar Sharma	Dr. T. Shripathi	INVESTIGATION OF MAGNETIC, ELECTRONIC AND TRANSPORT PROPERTIES OF CO AND CO/SEMICONDUCTOR THIN FILMS	Faculty at Manipal University, Jaipur
38	2008	Shilpa Tripathi	Dr. T. Shripathi	SYNTHESIS AND INVESTIGATION OF ELECTRONIC AND STRUCTURAL PROPERTIES OF SI/GE THIN FILM NANOSTRUCTURES	Faculty at BARC Vizag
37	2008	Soma Banik	Dr. S. R. Barman	STUDIES ON HEUSLER ALLOYS	Faculty at RRCAT, Indore
36	2008	L. S. Sharath Chandra	Dr. V. Ganesan	A STUDY ON GROUND STATE PROPERTIES OF CORRELATED ELECTRON SYSTEMS	Faculty at RRCAT, Indore
35	2008	Kaustav Mukharjee	Dr. Alok Banerjee	MAGNETIC AND TRANSPORT PROPERTIES OF DIFFERENT	Faculty at IIT Mandi

				MANGANESE OXIDES AND THEIR RELATION WITH THE STRUCTURES AND ELECTRONIC STATES	
34	2008	Rajendra Singh Dhaka	Dr. S. R. Barman	ELECTRON SPECTROSCOPIC INVESTIGATION OF METALLIC SYSTEMS	Faculty at IIT Delhi
33	2008	Ashim Kumar Pramanik	Dr. Alok Banerjee	STUDIES OF PHYSICAL PROPERTIES AND THEIR RELATION TO THE PHASE SEPARATION PHENOMENON IN THE HALF DOPED MANGANITIES	Faculty at JNU, New Delhi
32	2008	Shailja Tiwari	Dr. D. M. Phase	GROWTH AND PROPERTIES OF PULSED LASER DEPOSITED MAGNETITE THIN FILMS	
31	2008	Ram Prakash	Dr. D. M. Phase	SYNTHESIS AND CHARACTERIZATION OF MAGNETIC OXIDE THIN FILMS	Faculty at Shri Mata Vaishno Devi University, Jammu
30	2008	Parasmani Rajput	Prof. Ajay Gupta	DEPTH-RESOLVED STRUCTURAL STUDIES IN THIN FILMS AND MULTILAYERS USING X-RAY STANDING WAVES	Faculty at BARC, Mumbai (RRCAT, Indore)
29	2007	Ajay Kumar Shukla	Dr. S. R. Barman	ELECTRONIC STRUCTURE AND GROWTH OF METALS ON QUASICRYSTALLINE AND CRYSTALLINE SURFACES	Faculty at NPL New Delhi
28	2007	Ranjeet Kumar Brajpuriya	Dr. T. Shripathi	FE/AI MULTILAYER SYSTEM: SYNTHESIS AND INVESTIGATION OF ITS STRUCTURAL, MAGNETIC AND ELECTRONIC PROPERTIES	Faculty at Amity Univ.
27	2007	Sudhir Kumar Pandey	Dr. A. V. Pimpale	STRUCTURAL AND ELECTRONIC STUDIES OF PEROVSKITE TYPE TRANSITION METAL OXIDES	Faculty at IIT Mandi
26	2007	Sujoy Chakrabarty	Prof. Ajay Gupta		Faculty at UGC-DAE CSR, Kalpakkam
25	2007	Pankaj Ramesh Rao Sagdeo	Dr. N. P. Lalla	LOW TEMPERATURE STRUCTURAL PHASE TRANSITION AND TRANSPORT STUDIES OF	Faculty at IIT Indore

				SOME PEROVSKITE BASED MAGNETIC OXIDES	
24	2007	Ranu Dubey	Prof. Ajay Gupta	SOFT MAGNETIC THIN FILMS	Faculty at BARC Mumbai
23	2007	Pramod Bhatt (linkoping univ., sweden)	Prof. Mats Fahlman (Linkoping univ., Sweden) Dr. S. M. Chaudhari	FABRICATION AND STUDY OF INORGANIC AND ORGANIC THIN FILM MAGNETS	Faculty at BARC Mumbai
22	2007	S. Kavita	Prof. Ajay Gupta	Study of FePt And CoPt Alloys Exhibiting Large Magnetic Anisotropy	Project Scientist, International Advanced Research Centre for Powder Metallurgy and New Materials, Chennai
21	2007	Dileep Kumar	Prof. Ajay Gupta	Study of Magnetic Ultra Thin Films and Multilayers	Faculty at UGC- DAE CSR Indore
20	2005	ArchnaJaiswal	Dr. N. P. Lalla	Structural and Electrical Studies of Quasicrystals and their Approximants	Faculty at RRCAT, Indore
19	2005	Pooja Gupta	Prof. Ajay Gupta	Mossbauer and X-Ray Studies of Some Transition Metal Complexes and Nanocrystalline Alloys	Faculty at RRCAT, Indore
18	2005	Chhayabrita Biswas	Dr. S. R. Barman	Electronic Structure Studies of Metals and Intermetallics	Senior Research Associate, Indian Association for Cultivation of Science, Kolkata
17	2005	Archana Lakhani	Dr. V. Ganesan	Physical Properties of Highly Correlated Electron Systems	Faculty at UGC- DAE CSR, Indore
16	2004	Sunil Nair	Dr. Alok Banerjee	Magnetic And Transport Properties of Charge Ordered and Layered Manganites	Faculty at IISER, Pune
15	2004	Bindu R	Dr. A. V. Pimpale	X-ray Spectroscopic Studies Of Rare Earth Transition Metal Oxides Of ABO <sub>3</sub> Type	Faculty at IIT Mandi
14	2004	Rachana Gupta	Dr. S. M. Chaudhari, Prof. Ajay Gupta	Study of thermal behavior in Thin film multilayer structures	Faculty at IET, DAVV, Indore
13	2002	Mukul Gupta	Prof. Ajay Gupta	Preparation and Characterization of Multilayers With <sup>56</sup> Fe/ <sup>57</sup> Fe Superstructure for Application As Nuclear Bragg Monochromator	Faculty at UGC- DAE CSR, Indore

12	2001	Rajeev Rawat	Dr. S. M. Chaudhari, Dr. Indranil Das	Magnetocaloric and Magnetoresistance Studies of Rare Earth Intermetallic Compounds	Faculty at UGC- DAE CSR, Indore
11	2000	Amitesh Paul	Prof. Ajay Gupta		Faculty at TU Munich, Germany
10	2000	Sujatha S.	Dr. A. M. Awasthi	Rigidity Percolation in GexSe1-x Chalcogenide Glass Series - Structural and Thermal Study	Faculty at Univ. Utah, USA
9	2000	R. V. Krishnan	Dr. Alok Banerjee	Study of Magnetic and Transport Properties of Some Magnetic Systems	Faculty at University of California, Los Angeles, USA
8	2000	N. Suresh	Dr. S. M. Chaudhari	SOFT X-RAY MULTILAYERS	Faculty at ANL, USA
7	1999	K. Balakrishnan	Dr. V. Ganesan	Sound Velocity and Internal Friction Measurements in Glassy Materials Using Vibrating Reed Technique	Faculty I Singapore Univ.
6	1999	M. V. Rama rao	Dr. T. Shripathi	Study of Metal Insulator Transitions in Oxides	Faculty at Siksha 'O' Anusandhan University Bhubaneswar
5	1998	Ashna Bajpai	Dr. R. Shrinivasan Dr. Alok banerjee	Linear and Nonlinear Magnetic Susceptibility of Magnetic Systems Around the Transition	Faculty at IISER Pune
4	1998	Vasant Sathe	Dr. A. V. Pimpale	Study of Electronic and Spin States In Some Doped Perovskite Structures	Faculty at UGC- DAE CSR, Indore
3	1998	Neeru Bhagat	Prof. Ajay Gupta	Study of Structural and Magnetic Properties of Nanocrystalline Alloys	Faculty at Symbiosis Institute of Technology, Pune
2	1997	Ashwani Kumar	Dr. A. V. Pimpale	Study of Disordered Systems	--
1	1997	Manmeet Kaur Marhas	Dr. V. Ganesan	Studies on Structural and Transport Properties of High Temperature Superconductor Yba <sub>2</sub> , CuO <sub>7-8</sub> : Effect of Heavy Ion Irradiation	Faculty at BARC, Mumbai