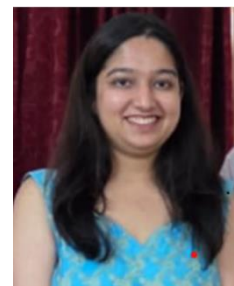


Ph.D. Alumni

(Last updated: 7-June-2026)

1. **Amar Kumar (2018PHZ8410)**
Email: [kumaramarphy\[at\]gmail\[dot\]com](mailto:kumaramarphy[at]gmail[dot]com)
Thesis: *Structural, Electronic and Magnetic Properties of Cobalt based full Heusler Alloys: A First-Principle Study*
PhD Thesis Defence: 11-May-2026
PDF-IRD @ IIT Delhi (since May 2026)
2. **Nakul Kumar (2020PHZ8348)**
Email: [nakulkumar533\[at\]gmail\[dot\]com](mailto:nakulkumar533[at]gmail[dot]com)
Thesis: *Sputtered Growth of Topological Insulators (Sb_2Te_3 & Bi_2Te_3), Light Metal Zr and 2D van der Waal Ferromagnet $CrTe_2$ based Heterostructures for Spin Transport Studies*
PhD Thesis Defence: 2-April-2026
Project Scientist at Prof. Muduli's group at Dept. of Physics, IIT Delhi (since Feb 2026)
3. **Nikita Sharma (2019PHZ8027)**
Email: [nikssharma792\[at\]gmail\[dot\]com](mailto:nikssharma792[at]gmail[dot]com)
Thesis: *Magneto transport and Spin Dynamics Investigations on the Weyl semi-metallic Heusler alloy Co_2MnGa and its Heterostructures*
PhD Thesis Defence: 28-July-2025
 - Project Scientist at Prof. Rahul Mishra's group in Centre for Applied Research in Electronics, IIT Delhi (since July 2025)
4. **Sanjay Kumar Kedia (2018PHZ8369)**
Email: [skkedia87\[at\]gmail\[dot\]com](mailto:skkedia87[at]gmail[dot]com)
Thesis: *Tailoring the Exchange Bias in ion beam sputtered $Ni_{81}Fe_{19}/Ir_7Mn_{93}$ and Co_2FeAl/Ir_7Mn_{93} heterostructures by altering the grain-size of the Ir_7Mn_{93} layer and ion-beam irradiation*
PhD Thesis Defence: 1-October-2024
 - Scientist at IUAC, New Delhi (since June 2012)
5. **Vireshwar Mishra (2018PHZ8358)**
Email: [viresh.pwn\[at\]gmail\[dot\]com](mailto:viresh.pwn[at]gmail[dot]com)
Thesis: *Growth and Investigations of Co-Based Spin Gapless Semiconducting Equiatomic Quaternary Heusler Alloy Thin Films for Spintronic Applications*
PhD Thesis Defence: 26-July-2023
 - Post-Doctoral Researcher in Prof. Ramesh C Budhani's Group, Morgan State University, Baltimore, Maryland, USA (Jan 2025 – April 2025)
 - Post-Doctoral Researcher in Prof. Manh-Huong Phan's Group, Department of Physics, University of South Florida, Tampa, Florida, USA (Jan 2024 – Dec 2024)



6. **Nanhe Kumar Gupta (2017PHZ8623)**
 Email: [nanhekg\[at\]gmail\[dot\]com](mailto:nanhekg[at]gmail[dot]com)
 Thesis: *Fabrication and Investigations on the sputtered CoFeB based Heterostructures comprising of Transition Metal Dichalcogenides and Heavy Metals*
Prof. K L Chopra Best PhD Thesis Award at Dept. of Physics @ Convocation -2024, IIT Delhi
 PhD Thesis Defence: **12-July-2023**
 - *Post-Doctoral Researcher in Prof. Sakuraba's Group at Centre for Magnetic and Spintronic Materials, National Institute for Materials Science, Sengen, Tsukuba, Ibaraki, Japan (since Nov 2023)*
7. **Ekta Goyat (2016PHZ8210)**
 Email: [ektagoyat05\[at\]gmail\[dot\]com](mailto:ektagoyat05[at]gmail[dot]com)
 Thesis: *Investigations of the magnetic anisotropy, exchange bias and ferromagnetic resonance in Co, Ni₈₁Fe₁₉ and Co/Ir₂₂Mn₇₈ thin films*
 PhD Thesis Defence: **10-July-2023**
 - *Assistant Professor, Govt. College, Rohtak, Haryana (since July 2018)*
8. **Lalit Pandey (2018PHZ8323)**
 Email: [jblalitpandey\[at\]gmail\[dot\]com](mailto:jblalitpandey[at]gmail[dot]com)
 Thesis: *Magnetotransport and Spin Dynamics Investigations on the Te-based Topological materials and their Heterostructures Fabricated by Sputtering*
 PhD Thesis Defence: **30-June-2023**
 - *Post-Doctoral Researcher in Prof. Saroj Dash's group at Department of Microtechnology and Nanoscience, Chalmers University of Technology, Göthenburg, Sweden (since Nov 2023)*
9. **Soumyarup Hait (2017PHZ8371)**
 Email: [soumyaruphait1994\[at\]gmail\[dot\]com](mailto:soumyaruphait1994[at]gmail[dot]com)
 Thesis: *Growth and Investigation of Magnetic Properties of Co-based Heusler and Amorphous Alloy Stacked with Heavy Metals and 2D Material for Spintronics Applications*
 PhD Thesis Defence: **27-October-2022**
 - *Post-Doctoral Researcher in Prof. Christopher Marrows's Group at School of Physics and Astronomy, University of Leeds, Leeds, UK (since June 2024)*
 - *Research Fellow at Prof. Song Peng's group at Department: School of Electrical and Electronic Engineering, NTU, Singapore (Dec 2022 – Mar 2024)*
10. **Pradeep Kumar Sharma (2015PHZ8379)**
 Email: [sharmapradeep014\[at\]gmail\[dot\]com](mailto:sharmapradeep014[at]gmail[dot]com)
 Thesis: *Synthesis and characterization of chalcogenides-based Nanomaterials for thermoelectric applications*
 PhD Thesis Defence: **28 October 2021**
 - *Assistant Professor at Dept. of Physics, Shyamlal College, Delhi Univ. Delhi (since 2013)*



11. **Vineet Barwal (2014PHZ8353)**  
Email: [vineet.barwal07\[at\]gmail\[dot\]com](mailto:vineet.barwal07[at]gmail[dot]com)
[Click here for Google Scholar page](#)
Thesis: *Growth and Investigations of MnAl Binary Alloy and Co Based Full Heusler Alloy Thin Films for Spintronic Applications*
PhD Thesis Defence: **17-February-2021**
 - *Postdoctoral Researcher at Prof. Sakuraba's group - Centre for Magnetic and Spintronics Materials (CMSM), National Institute for Materials Science (NIMS), Japan (since April 2022)*
12. **Akash Kumar (2014PHZ8344)**  
Email: [akash951993\[at\]gmail\[dot\]com](mailto:akash951993[at]gmail[dot]com)
Thesis: *Spin-orbit torques in magnetic/non-magnetic heterostructures*
PhD Thesis Defence: **8-June-2020**
 - *Assistant Professor, Tohoku University, Sendai, Miyagi, Japan (Apr 2023 – Present)*
 - *Postdoctoral Researcher in Prof. Yohan Akerman's group at Dept. of Physics, University of Gothenburg, Gothenburg, Sweden (Aug 2020 – till Date)*
13. **Deepika Jhahria (2012PHZ8050)**  
Email: [deepika.jhahria\[at\]gmail\[dot\]com](mailto:deepika.jhahria[at]gmail[dot]com)
Thesis: *Tuning of Magnetization Dynamics in CoFeB Thin Film Structures: Role of Composition, Annealing, Spin Pumping and Interlayer Exchange Coupling*
PhD Thesis Defence: **31-October-2018**
 - *Research Establishment Officer (REO) [at] Department of Sustainable Energy Engineering, IIT Kanpur, UP, India (since July 2022)*
 - *Research Associate in Prof. Ramesh Chandra's Group - Nanoscience/Thin Film Lab, Institute Instrumentation Centre, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, India (since Jan 2020-May 2022)*
14. **Sajid Husain (2013PHZ8483)**  
Email: [sajidhusainlig\[at\]gmail\[dot\]com](mailto:sajidhusainlig[at]gmail[dot]com)
Thesis: *Investigation on Ion Beam Sputtered Co₂FeAl Heusler Alloy based Heterostructures for Spintronics*
PhD Thesis Defence: **24-September-2018**
 - *Research Scientist at Prof. Ramesh Ramamoorthy's group - Materials Sciences Division, Lawrence Berkeley National Laboratory, Berkeley, California 94720, USA (since Oct 2022)*
 - *Postdoctoral Researcher at Laboratoire Albert Fert, France (since Nov 2020 – Sept 2022)*
 - *Postdoctoral Researcher in Prof. Peter Svedlindh's group at Uppsala University, Sweden (Nov '2018-Oct '2020)*
15. **Rekha Bai (2012PHZ8037)**  
Email: [rekha.mittal07\[at\]gmail\[dot\]com](mailto:rekha.mittal07[at]gmail[dot]com)
Thesis: *Vertically Aligned Hetero-epitaxial ZnO/CdS and ZnO/PbS Core/Shell Nanorod Arrays : A Platform for Enhanced Photoelectrochemical Response of Water Splitting Devices*
PhD Thesis Defence: **8-October-2018**
 - *Assistant Professor, Dept. of Physics, Ch. Bansilal Govt. College for Women, Tosham Haryana (since July 2018)*

16. **Suchitra Yadav (2011PHZ8150)**  
Email: [suchitrayadav87\[at\]gmail\[dot\]com](mailto:suchitrayadav87[at]gmail[dot]com)
Thesis: *Studies and Study of CoSb₂ Thin Films and its Nanocomposites for Thermoelectric Applications*
PhD Thesis Defence: **29-December-2018**
 - *Assistant Professor, Dept. of Physics, University of Rajasthan (since July 2018)*
17. **Nilamani Behera (2011PHZ8153)**  
Email: [nila.behera\[at\]gmail\[dot\]com](mailto:nila.behera[at]gmail[dot]com)
Thesis: *Study of Spin Pumping and Interfacial Anti-Damping in Ni₈₁Fe₁₉(Py)/β-Ta, β-W, Al, Cu Heterostructures by Ferromagnetic Resonance*
PhD Thesis Defence: **23-June-2017**
 - *Assistant Prof., Dept. of Basic Sceinces, IIT Bhubaneswar, Odisha (Since May 2025)*
 - *Postdoctoral Researcher in Prof. Yohan Akerman's group Department of Physics, University of Gothenburg, Gothenburg, Sweden (since 2020 – April 2025)*
 - *Postdoctoral Researcher in Prof. Peter Svedlindh's group at Uppsala University, Sweden (2017-2020)*
18. **Rekha Gupta (2011PHZ8141)**  
Email: [rkh.gpt01\[at\]gmail\[dot\]com](mailto:rkh.gpt01[at]gmail[dot]com)
Thesis: *Magnetoelectric Coupling in Multiferroic Bismuth Ferrite based Composite Nanostructures*
PhD Thesis Defence: **15 July 2016**
19. **Anjali Yadav (2009PHZ8110)**  
Email: [anjali.phy05\[at\]gmail\[dot\]com](mailto:anjali.phy05[at]gmail[dot]com)
Thesis: *Static and Dynamic Magnetic response and Magnetotransport properties of Cobalt based Heusler alloy thin films*
PhD Thesis Defence: **29-March-2016**
 - *Renewable Energy Research Scientist at The Conti Group, Conti Innovation Center, & Prof. Ashish Goel's group at Department of Materials Science and Engineering, Rutgers, The State University of New Jersey, Piscataway, New Jersey 08854, United States*
 - *Research Manager, Rutgers, The State University of New Jersey (October 2020 - May 2022)*
20. **Anil Singh (2008PHZ8074)** 
Email: [anil.singh4561\[at\]gmail\[dot\]com](mailto:anil.singh4561[at]gmail[dot]com)
Thesis: *Studies on Hydrogen and Indium Co-Doped Reactively Sputtered ZnO Thin Films*
PhD Thesis Defence: **11-Sept-2015**
 - *Assistant Prof., Dept. of Physics, Rajkiya Model Degree College, Arniya, Bulandshahr, Uttar Pradesh, India (since Sept 2021)*
 - *Assistant Prof., Dept. of Physics, Graphic Era University, Dehradun (since Aug 2016)*
 - *Project Scientist, Saint Gobin Research India Limited funded project at Thin Film Lab, IIT Delhi (June 2014- Oct 2015)*

21. **Dinesh Kumar (2009PHZ8579)**  
Email: [dinesh1.goyal\[at\]gmail\[dot\]com](mailto:dinesh1.goyal[at]gmail[dot]com)
Thesis: *Spin-Dependent Transport in Nanogranular CuCo And AgCo Sputtered Thin Films*
PhD Thesis Defence: **22-July-2015**
 - *Scientist/Engineer-SC, UR Rao Satellite Center, ISRO, Bangalore (Since July 2018)*
 - *Research Associate, DST project, Thin Film Lab, IIT Delhi (Apr'15-Jan'08)*
22. **Himanshu Fulara (2014/June)**  
Email: [fulara.himanshu\[at\]gmail\[dot\]com](mailto:fulara.himanshu[at]gmail[dot]com)
Thesis: *Exchange Bias Investigations in Ion-Beam Sputtered Antiferromagnetic/ Ferromagnetic Bilayer Thin Films for Spintronics*
PhD Thesis Defence: **30-June-2015**
 - *Assistant Prof., Dept. of Physics, IIT Roorkee (Jun '21 – till date)*
 - *PDR at Prof. Åkerman's group, Univ. of Gothenburg, Sweden (Jun '17 – May '21)*
 - *Assistant Prof. at Galgotia University, Greater Noida, UP (Jan '16-May '17)*
 - *PDF at Prof. Kirschner's group, MPI, Halle, Germany (Aug '14-Aug '15)*
23. **Ankit Kumar (2008PHZ8060)**  
Email: [chainutyagi\[at\]gmail\[dot\]com](mailto:chainutyagi[at]gmail[dot]com)
Thesis: *Growth-Anti Phase Boundary Correlation in Sputtered Fe₃O₄ Thin Films*
PhD Thesis Defence: **17-June-2014**
 - *Post Doctoral Researcher (R3), Memory Division, IMEC, Belgium (Nov 2020 onwards)*
 - *Post Doctoral Researcher (R2) in Prof. Peter Svedlindh's group, Ansgstrom Lab, Dept. of Engineering Sciences, Uppsala University, Sweden (Aug 2014-Oct 2020)*
24. **Braj Bhusan Singh (2007PHZ8285)**  
Email: [brajbhusan\[at\]gmail\[dot\]com](mailto:brajbhusan[at]gmail[dot]com)
Thesis: *Spin Transport in Dual Ion Beam Sputtered Magnetic Tunnel Junctions with MgO Barrier*
PhD Thesis Defence: **5-May-2014**
 - *Assistant Prof., Dept. of Physics, Harcourt Butler Technical University (HBTU), Nawabganj, Kanpur, Uttar Pradesh, 208002, India (since June 2023)*
 - *PDF in Prof. Shubankar Bedanta's group, NISER, Odisha (April 2016 – May 2023)*
 - *Research Fellow in Prof. Yihong's group NUS, Singapore (July '14-Aug '15)*
25. **M. Raju (2008PHZ8088)**  
Email: [rajuhcu519\[at\]gmail\[dot\]com](mailto:rajuhcu519[at]gmail[dot]com)
Thesis: *Interface Linked Magnetic Properties of Ion-beam Sputtered CoFeB/MgO System for Spintronics*
PhD Thesis Defence: **15-October-2013**
 - *Research Scientist, Institute for Quantum Matter, Johns Hopkins University, USA (Jan 2021 onwards)*
 - *Research Fellow, Prof. Christos Panagopoulos's group, School of Physical and Mathematical Science (SPMS), NTU-Singapore (Mar 2015-Dec 2020)*
 - *Research Associate in Prof. Ramesh Budhani's group, Quantum Phenomenon & Application Division, National Physical Laboratory, New Delhi (Dec 2013-Feb 2015)*

26. **Sudesh Sharma (2006PHZ8038)**  
Email: [sudesh00781\[at\]yahoo\[dot\]com](mailto:sudesh00781[at]yahoo[dot]com)
Thesis: *Preparation and Study of Transition Metal Doped Titanium Dioxide for Spintronic Applications*
PhD Thesis Defence: **17-June-2011**
 - Assistant Prof., Dept. of Physics, R.P. PG Degree College, Kamalganj, Farrukhabad-209724 (India) (Oct 2019 – till date)
 - Assistant Prof. (SG), Dept. of Physics, Univ. of Petroleum and Energy Study, Dehradun, UPES-DDN (Sept 2011-Sept 2018)
27. **Kanwal Preet Bhatti (2008)**  
Email: [kanwalbhatti\[at\]gmail\[dot\]com](mailto:kanwalbhatti[at]gmail[dot]com)
Thesis: *Synthesis and studies of ZnO based room temperature ferromagnetic semiconductor systems*
PhD Thesis Defence: **22-April-2008**
 - Advanced Engineer/Technologist, GE Energy Storage, New York, USA (since June 2014)
 - Research Engineer, GE Global Research, Niskayuna, New York, USA (Aug '13- Jun '14)
 - Postdoctoral Research Fellow in Prof. Chris Leighton's group at Chemical Engg. & Material Science, University of Minnesota, USA (June 2010 – March 2013)
 - Assistant Prof., Guru Nanak Dev Univ., Amritsar, Punjab, India (Jan '08 – Jun '11)
28. **Suchitra Rajput (2008)**  
Email: [chauhan.suchitra\[at\]gmail\[dot\]com](mailto:chauhan.suchitra[at]gmail[dot]com)
Thesis: *Synthesis and characterization of polycrystalline bulk and tapes of MgB₂ superconductor*
PhD Thesis Defence: **22-April-2008**
 - Assistant Prof., School of Engg. and Tech., BML Munjal University (Since Jan 2017)
 - Associate Prof., Galgotia University, Greater Noida, Uttar Pradesh, India (2013-2016)
 - Associate Prof., IIMT Group of Colleges, Ghaziabad, Uttar Pradesh, India (2013-2015)
 - Post Doctoral Fellow, in Prof. Ali Gencer's group at Physics Dept., Ankara University, Ankara, Turkey (2012)