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Educational Qualification:

Ph.D.:

Physics, NIT Durgapur (2021)

Topic:

“Study of optical, electrical and magnetic properties of nanostructured multiferroics”

M.Sc.:

M.Sc. in Physics with specialization in Material science from GuruGhasidas University (Central University) in the year of 2008.

AreaofTeaching:

Optics, Wave and oscillation, Vector, General properties of matter,Electrostatics, Solid state physics, Renewable energy etc.

ResearchInterest:

Rare Earth Orthochromites, Multiferroics, Nanomaterials

International Publications:

Sl. No.	Title, Authors, Journal, Book, Publishing year	ISSN / ISBN Number
1.	Pradipta Ckkraborty , Soumen Basu, "Structural, electrical and magnetic properties of Er doped YCrO_3 nanoparticles" Materials Chemistry and Physics, Vol-259, issue-259, Year-2021, Page no-124053 https://doi.org/10.1016/j.matchemphys.2020.124053	ISSN: 0254-0584
2.	Pradipta Ckkraborty, Santanu Dey, Soumen Basu , "Structural, electrical and magnetic properties of Eu doped YCrO_3 nanoparticles", Physica B: Condensed Matter , Vol-601, issue-601, Year-2021, Page no- 412677 https://doi.org/10.1016/j.physb.2020.412677	ISSN: 9214526
3.	Pradipta Ckkraborty, Dhiraj Kumar Rana, Soumen Basu , "Enhanced electrical and magnetic properties of Sm doped YCrO_3 nanoparticles", Bulletin of Materials Science, Vol-44 issue-133, Year-2021, Page NO. 1-11, https://doi.org/10.1007/s12034-021-02440-3	ISSN: 0250-4707
4.	Santanu Dey, Pradipta Ckkraborty , Dhiraj Kumar Rana, Soumen Basu, Springer Nature, SN Applied Science, Surfactant-free synthesis of carbon-supported silver (Ag/C) nanobars as an efficient electrocatalyst for alcohol tolerance and oxidation of sodium borohydride in alkaline medium. Vol-3, Year-2021, Page-1-12. https://doi.org/10.1007/s42452-021-04601-9	ISSN 2523-3971
5.	Santanu Dey, Subhamay Pramanik, Pradipta Ckkraborty , Dhiraj Kumar Rana, Soumen Basu, Springer, An easy synthesis of carbon supported silver-cobalt bimetallic nanoparticles to study the electrocatalytic performance in alkaline borohydride fuel cell, Journal of Applied Electrochemistry, Vol-52, year- 2022, Page-247-258, https://doi.org/10.1007/s10800-021-01641-2	ISSN 1572-8838
6.	Pradipta Ckkraborty , Dhiraj Kumar Rana, SK Kundu, Soumen Basu, Synthesis, characterization and electrical transport properties of co-doped YCrO_3 , AIP Conference Proceedings, Vol-2265, issue-1, Year-2020, page no.- 030450, https://doi.org/10.1063/5.0016647	

Conferences, workshop and seminar:

Sl. No.	Name of Seminar / Conferences	Duration /Venue	International	Nature of Participation
1.	64 th DAE Solid State Physics Symposium (DAE-SSPS 2019) Paper -Synthesis, characterization and electrical transport properties of co-doped YCrO ₃ , AIP Conference Proceedings, Vol-2265 , issue-1 , Year-2020, page no.- 030450, https://doi.org/10.1063/5.0016647	18-22 th December, 2021, NIT Jodhpur, India,	International	Paper Presentation
2.	Workshop on Rietveld Refinement Method Organized by UGC-DAE Consortium for Scientific Research	September 22-24, 2020	Online Workshop	Attended
2.	2 nd Indin Materials Concave and 31 st AGM at Kolkata	11-14 Feb 2020	International	Paper Presentation
3.	Advanced Materials and Processing(AMP-2017), NIT DURGPUR	06-10 March 2017		Attended
4.	Molecular Beam Epitaxy (MBE) Technology in the Field of Material Synthesis and Device Fabrication, NIT DURGAPUR	28 th October to 1st November		Attended
5.	Advance Material and Nanotechnology (AMN-2016)	20-24 June, 2016		Attended
6.	Nanoparticles- Science and Technology, NIT DURGAPUR	2-15 January,2009	(Staff Development Programme)	Attended

