

Personal Profile

Name & Designation: OINDRILA MONDAL, Assistant Professor in Physics.

Date of Joining : 08.04.2010

Academic Qualification: Annexure I

Address: D/O- Asit Kumar Mondal.
Vill: Kumar Bazar.
P.O: Raniganj.
Dist: Burdwan. Pin-713347

Contact Number: +91-9832016211

Email Id: oindrila.rng@gmail.com

Area of Interest: Condensed Matter Physics and Nanotechnology

Teaching Experience: School Teaching- 1 Year 10 months, College Teaching- Since March'2010

Courses Taught: B.Sc PHYSICS HONOURS AND GENERAL

Seminar attended: Annexure II

Article Publications: Annexure III

OP/RC Attended: 1. 94th Orientation Programme (24/01/14 to 20/02/14) at ASC, B.U.
2. 2nd RC in Nano Science & NanoTechnology (04/08/15 to 24/08/15) at UGC-HRDC, B.U.

Research Project:N/A

Annexure I

Sl.	Examination	Subject	Passing Year	Board/ University	Division/ Class	Marks Obtain
1	Ph. D	Physics (Thesis Title- SYNTHESIS AND CHARACTERIZATION OF METAL AND METAL OXIDE NANOSTRUCTURES)	04.03.14	Burdwan University	-	-
2	UGC-CSIR NET	Physical Sciences	Dec 2006	-	-	-
3	M. Sc.	Physics (Special Paper- Solid state Physics)	2006	Burdwan University	1 st	73.9%
4	B.Sc.	Physics (Hons), Mathematics, Chemistry	2004	Burdwan University	1 st	67.75%
5	I.S.C	English, Bengali, Physics, Chemistry, Mathematics, Biology	2001	C.I.S.C.E, New Delhi.	-	82.3%
6	I.C.S.E	English, Bengali, Mathematics, Science (Phy, Chem, Bio), Social Science (Hist, Civics and Geo), Computer Studies	1999	C.I.S.C.E, New Delhi.	-	81.3%

Annexure II

Seminar/Conferences attended

1. “National Thematic Workshop on Recent Advances in Material Sciences” at Dept. of Physics, The University of Burdwan (8-9th March, 2016)
2. “National Seminar on Frontier in Chemistry” at M.U.C Women’s College, Burdwan (4th-5th Dec, 2013)
3. “Third National Seminar on Recent Trends in Condensed Matter Physics including Laser Application” at Dept. of Physics, The University of Burdwan (5-7th March, 2013).
4. “National Seminar on Advanced Functional Materials” at CSIR-Central Mechanical Engineering Research Institute, Durgapur (24th January, 2013).
5. “Workshop on Advanced Functional Materials” at Dept. of Physics, Banaras Hindu University, Varanasi (19-24th March, 2012).
6. “UGC sponsored State level seminar on Nanoscience and nanotechnology: Present and future.” Kandi Raj College, Kandi, Murshidabad (12-13th January, 2012).
7. “India Australia International workshop on Nanotechnology in material and energy application.” Jadavpur University (29-31st December, 2011)
8. “Challenges of Biology in 21st Century.” MUC Women’s College, Burdwan. (1-2nd December, 2011)
9. “UGC sponsored national seminar on Women & Society in Colonial India.” MUC Women’s College, Burdwan. (29-30th Nov, 2011)
10. “UGC, International Seminar on Global Warming.” Burdwan Raj College, Burdwan. (21-22nd Nov, 2011)
11. “Particle Physics and Cosmology” Dept. of Physics, Burdwan University. (24-25th March, 2011).
12. “National Workshop on radiation Science and Applications.” Dept. of Physics, Burdwan University. (10-12th November, 2008).
13. “Fourth National Workshop on characterization of LASER and nanomaterials.” Dept. of Physics, Burdwan University. (7-9th March, 2008).

Annexure III

List of Publications

1. “Reduced graphene oxide synthesis by high energy ball milling” **O. Mondal**, S. Mitra, M. Pal, A. Datta, S. Dhara and D. Chakravorty. *Mat. Chem Phys.* 2015, **161**, 123-129.
2. “Influence of doping on crystal growth, structure and optical properties of nanocrystalline CaTiO₃: A case study using small-angle neutron scattering” **Oindrila Mondal**, Manisha Pal, Ripandeep Singh, Debasis Sen, Subhasish Mazumder and Mrinal Pal. *J. Appl. Cryst.* 2015, **48**, 836–843.
3. “Effect of Mn doping on microstructure and optical properties of nanocrystalline ZnO” M Karmakar, **O. Mondal**, B. Roy, P.K. Paul and M. Pal. *Nano* 2013, **8**, 1350058.
4. “Improved and unusual magnetic properties of ZnO nanorings” **O. Mondal**, N. T. K. Thanh, L. A. W. Green, and M. Pal. *Functional Materials Letters* 2013, **6**, 1350049.
5. “Ultrafine narrow dispersed copper nanoparticles synthesized by a facile chemical reduction method”
O. Mondal, A. Dutta, D. Chakravorty, and M. Pal, *MRS Communication.* 2013, **3**, 91-95.
6. “Unusual and strong emission in visible region from Mn²⁺ and Y³⁺ doped ZnO nanocrystals” **O. Mondal**, and M. Pal, *Opt. Mater.* 2013, **35**, 1520-1525.
7. “Observation of spin-glass behavior in nickel adsorbed few layer graphene” S. Mitra, **O. Mondal**, S. Banerjee, and D. Chakravorty, *J. Appl. Phys.* 2013, **113**, 024307.
8. “Ni-substitution induced inversion in ZnFe₂O₄ seen by positron annihilation” P.M.G. Nambissan, **O. Mondal**, S. Chakrabarty, and M. Pal, *Mater. Sci. Forum.* 2013, **733**, 219-223.
9. “Effect of neodymium doping on structure, electrical and optical properties of nanocrystalline ZnO”
B. Roy, S. Chakrabarty, **O. Mondal**, M. Pal, and A. Dutta, *Mater. Characterization.* 2012, **70**, 1-7.
10. “Strong and unusual violet-blue emission in ring shaped ZnO nanocrystals” **Oindrila Mondal** and Mrinal Pal. *J. Mater. Chem.*, 2011, **21**, 18354–18358.
11. “Magnetodielectric Effect in Graphene-PVA Nanocomposites” Sreemanta Mitra, **Oindrila Mondal**, Dhriti Ranjan Saha, Anindya Datta, Sourish Banerjee, and Dipankar Chakravorty. *J. Phys. Chem. C* 2011, **115**, 14285–14289.

12. "Unusual Magnetic Properties Of Nanocrystalline GdFeO₃ Prepared by Solid State Reaction Route at lower temperature". **O. Mondal**, SK. M. Hossain, B. Roy and M. Pal. *Functional Materials Letters* 2011, **4**, 249-253.
13. "Effects of annealing on structure and optical properties of Mn-substituted ZnO nanoparticles"- B. Roy, **O. Mondal**, D. Sen, J. Bahadur, S. Mazumder and M. Pal. *J. Appl. Cryst.* 2011, **44**, 991-998.
14. Preparation and Microstructural Characterization of Nanocrystalline Mn-doped ZnO" B. Roy, **O. Mondal**, A. Deb, S. P. Sengupta, P. Chatterjee and M. Pal. *Nano*, 2011, **6**, 379-385.
15. "Superparamagnetic fluorescent nickel–enzyme nanobioconjugates: synthesis and characterization of a novel multifunctional biological probe" Pramod Kumar Verma, Anupam Giri, Nguyen T. K. Thanh, Le Duc Tung, **Oindrila Mondal**, Mrinal Pal and Samir Kumar Pal *J. Mater. Chem.*, 2010, **20**, 3722–3728.