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List of Publications

Following are the list of published and communicated research papers during PhD work:

1. “Role of chemical pressure on optical and electronic structure of $\text{Ho}_2\text{Ge}_x\text{Ti}_{2-x}\text{O}_7$ ” **Manjari Shukla**, Soma Banik, Rajan Pandey and Chandan Upadhyay; *J. Phys.: Condens. Matter* 32 (2020) 115501
2. “Robust spin-ice freezing in magnetically frustrated $\text{Ho}_2\text{Ge}_x\text{Ti}_{2-x}\text{O}_7$ pyrochlore” **Manjari Shukla**, Rajnikant Upadhyay, Martin Tolkiehn and Chandan Upadhyay; *J. Phys.: Condens. Matter* 32 (2020) 465804
3. “Structure of $\text{Ho}_2\text{Ge}_2\text{O}_7$ pyrogermanate and role of negative chemical pressure on the structural and magnetic properties” **Manjari Shukla**, R. Upadhyay and Chandan Upadhyay; (*Communicated*)
4. “Effect of B-site substitution on structural, magnetic and optical properties of $\text{Ho}_2\text{Ti}_2\text{O}_7$ pyrochlore oxide” Pramod K. Yadav, Pinki Singh, **Manjari Shukla**, Soma Banik and Chandan Upadhyay; *Journal of Physics and Chemistry of Solids* 138 (2020) 109267
5. “Signatures of consolidated superparamagnetic and spin-glass behavior in magnetite–silver core–shell nanoparticles” Pinki Singh, **Manjari Shukla** and Chandan Upadhyay; *Nanoscale*, 2018, 10, 22583
6. “A dual optical probe with larger stokes shift for simultaneous detection of Cu^{2+} and Zn^{2+} ions and aggregation induced enhanced emission empowering selective detection of Cu^{2+} ions” A.K. Sonkar, A. Rai, K. Tripathi, R. Yadav, **Manjari Shukla**, B. Chauhan, S. Srikrishna and L. Mishra; *Sensors & Actuators: B. Chemical* 327 (2020) 129011

Conference/Workshop Attended during Ph.D.

1. ***“Author Workshop organized by Springer Nature”*** 7th October 2016, IIT (BHU).
2. Poster presentation; ***“Crystallographic Phase transitions in $\text{Ho}_2\text{Ti}_{2-x}\text{Ge}_x\text{O}_7$ ”*** ***“International Conference on Condensed Matter Physics (ICC 2017)”*** 24th -25th November 2017, Government Engineering College, Bikaner (Rajasthan).
3. Poster presentation; ***“Structural and Magnetic study of $\text{Ho}_2\text{Ti}_{2-x}\text{Fe}_x\text{O}_7$ Spin Ice Pyrochlore”*** 16th -18th February 2018, Institute Day, IIT (BHU).
4. Workshop on ***“Geometrical and Mathematical Crystallography with Applications to Structural Studies”*** 14th -19th February 2017, IIT (BHU).
5. Participation ***“45th National Seminar on Crystallography (NSC 45)”*** 9th -12th July 2017, IIT (BHU).
6. One Week National workshop on ***“Advanced Physical Tools and Techniques for Materials Characterization”*** 28th July-03rd August 2020, Department of Physics, Mahatma Gandhi Central University, Motihari (Bihar).
7. Oral Talk; ***“Role of chemical pressure upon the spin dynamics of a class of magnetically frustrated system”*** 25th -26th October 2021, Golden Jubilee Foundation Year International Conference on ***“Artificial Intelligence, Photonics and Revolutionary Smart Materials”***, Department of Physics, L.N. Mithila University, Darbhanga (Bihar).
8. Poster presentation; ***“Structural, magnetic and optical studies of Spin-Disordered $\text{Ho}_2\text{Ge}_x\text{Ti}_{2-x}\text{O}_7$ system”*** 25th -27th November 2021, Symposium on Magnetism and Spintronics (SMS-2021), School of Physical Sciences, NISER, Bhubaneswar (Odisha).