

List of Publications

1. **Structural and Magnetic Properties of Quasi One-Dimensional Doped LiCuVO₄**, Abhishek Kumar, Poonam Kumari, A. Das, G. D. Dwivedi, P. Shahi, K. K. Shukla, A. K. Ghosh, A. K. Nigam, K. K. Chattopadhyay and Sandip Chatterjee, **J. Solid State Chem.** **208 (2013) 120.**
2. **Raman effect and Magnetic properties of doped TbMnO₃**, A. Kumar, P. Shahi, S. Kumar, K. K. Shukla, R. K. Singh, A. K. Ghosh, A. K. Nigam and Sandip Chatterjee, **J.Phys.D:Appl.Phys.****46 (2013) 125001.**
3. **Role of ion beam excitations on Quasi One-dimensional magnetic system of Mn-doped LiCuVO₄**, Abhishek Kumar, G. D. Dwivedi, Shiv Kumar, P. Shahi, K. K. Shukla, A. K. Ghosh, K. Asokan, D. Kanjilal, R. K. Singh, A. K. Nigam and Sandip Chatterjee, **Materials Chemistry and Physics** **161 (2015) 19-25.**
4. **Existence of Exchange bias and Griffith Phase in (Tb_{1-x}Ce_x)MnO₃**, A Kumar, A Singh, Gopeswar Dhar Dwivedi, Hung Yang, Anup K. Ghosh, and Sandip Chatterjee (communicated).
5. **Existence of the multiferroic property at room temperature in Ti doped CoFe₂O₄**, G.D. Dwivedi, Amish G. Joshi, H. Kevin, P. Shahi, A. Kumar, A.K. Ghosh, H.D. Yang, Sandip Chatterjee, **Solid State Commun.****152 (2012) 360.**
6. **Transport, Magnetic and Structural properties of Mott Insulator MnV₂O₄ at the boundary between localized and itinerant electron limit**, Prashant Shahi, Saurabh Kumar, Neetika Sharma, Ripandeep Singh, P. U. Sastry, A. Das, A. Kumar, K. K. Shukla, A. K. Ghosh, A. K. Nigam and Sandip Chatterjee, **Journal of Materials Science** **10/2014; 49(20).**
7. **Chemical Pressure effect at the boundary of Mott insulator and itinerant electron limit of Spinel Vanadates**, P. Shahi, A. Kumar, Rahul Singh, Ripandeep Singh, P.U. Sastry, A. Das, Amish G. Joshi, A. K. Ghosh, A. Banerjee and Sandip Chatterjee* **Science of Advanced material, Vol 7 08/2014.**
8. **Effect of Zn doping on the Magneto-Caloric effect and Critical Constants of Mott Insulator MnV₂O₄**, Prashant Shahi, A. Kumar, K. K. Shukla, A. K. Ghosh, A. K. Nigam, and Sandip Chatterjee* **AIP Advances** **4, 097137 (2014).**
9. **Magnetic and optical properties of Fe doped Crednerite CuMnO₂**, Kaushal K. Shukla, P. Shahi, Gopal S., A. Kumar, A. K. Ghosh, Ripandeep Singh, Neetika

Sharma, A. Das, A. K. Sinha, Amish G. Joshi, A. K. Nigam and Sandip Chatterjee, **RSC Adv.**, **2015**, **5**, **83504**.

- 10. Enhanced magnetization in Diluted magnetic semiconductor/Graphene nano-Composite.** A Singh, **A Kumar**, Shiv Kumar, Anup K. Ghosh, P Maiti, A Tripathi, A Tiwari, and Sandip Chatterjee (communicated).

Conference Papers

- 1. Short range ferromagnetic order in Mn-doped quasi-one dimensional LiCuVO₄,** Abhishek Kumar, P. Shahi, S. Upadhyay, Sandip Chatterjee, A. K. Ghosh, A. K. Nigam, Proceedings of the thirteenth international conference on magnetic fluids: abstract book (2013).
- 2. Magnetic Properties of Transition Metal Ion doped LiCuVO₄,** Sandip Chatterjee, A. Kumar, P. Shahi, A. K. Ghosh, A. K. Nigam, Asian Journal of Chemistry, 23, 12, 5632-5634 (2010).

Oral/Poster Presented Paper

- 1. Existence of Exchange Bias and Griffith phase in Ce doped TbMnO₃,** **Abhishek Kumar**, G. D. Dwivedi, A. K. Ghosh and Sandip Chatterjee (**Oral Presentation**) International Conference on Multifunctional Materials for Future Applications “**ICMFA-2015**” held at Department of Chemistry, IIT (BHU), Varanasi-221005, INDIA on Oct. 27-29, 2015.
- 2. Neutron Diffraction Study of Mn-doped Quasi-one dimensional LiCuVO₄,** **Abhishek Kumar**, Poonam Kumari, A. Das, G.D. Dwivedi, K. K. Shukla, Satyam Kumar, A.K. Ghosh, A. K. Nigam, K. Ashokan, D. Kanjilal and Sandip Chatterjee. (**Poster**) “Conference on Neutron Scattering (**CNS**) **2014**, held at IISER, Pune on February 10-12.
- 3. Inducing the ferromagnetic ordering in Multiferroic quasi-one dimensional LiCuVO₄,** **Abhishek Kumar**, P. Shahi, K. K. Shukla, A. K. Ghosh, A. K. Nigam and Sandip Chatterjee (**Poster**), Conference on Condensed Matter and Biological Systems “**CCMB-13**” held at Department of Physics, Banaras Hindu University, Varanasi-221055, INDIA on 11th -14th January 2013.
- 4. Magnetic properties of doped TbMnO₃,** **A. Kumar**, P. Shahi, S. Kumar, A.K. Ghosh, A.K. Nigam, and Sandip Chatterjee. (**Poster**) **National Conference on Thermophysical Properties (NCTP – 2011)**, IT-BHU, Varanasi, INDIA, 11-13 October, 2011.