
List of Publications / Conference Papers

1. "Enhancement in electrical and magnetic properties with Ti-doping in $\text{Bi}_{0.5}\text{La}_{0.5}\text{Fe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ " :Rahul Singh, **Prince Kr. Gupta**, Shiv Kumar, Amish G. Joshi, A. K. Ghosh, S. Patil, and Sandip Chatterjee, J. of Appl. Phys. 121, 154101 (2017).
2. "Investigation of multi-mode spin-phonon coupling and local B-site disorder in $\text{Pr}_2\text{CoFeO}_6$ by Raman spectroscopy and correlation with its electronic structure by X-ray photoemission spectroscopy" ARKADEB PAL; SURAJIT GHOSH; Amish Joshi; **PRINCE Kr. GUPTA**; PRAJYOTI SINGH; VINOD GANGWAR; PULKIT PRAKASH, Ranjan Singh; Anup Ghosh,; Amitabh Das; Sandip Chatterjee. (Article no. JPCM- 113370, R1. Accepted in J. Phys.: Cond. Matt.).
3. "Enhancement of Electrical properties of BiFeO_3 multiferroic material by co-doping" **Prince Kr. Gupta**, Rahul Singh, Seema Kumari, Sandip Chatterjee. AIP Conference Proceeding, (2018).
4. "Spin phonon coupling, giant dielectric constant and magneto-dielectric coupling in $\text{BiFeO}_3\text{-TbMnO}_3$ composite" **Prince Kr. Gupta**, Surajit Ghosh, Seema Kumari, Arkadeb Pal, Somnath Roy, Prajyoti Singh, Ranjan Singh, Anup Ghosh, and Sandip Chatterjee. (Revision submitted in Mat. Research express).
5. "Effect of La, Mn and Ti doping on structural, dielectric and magnetic properties of multiferroic $\text{Bi}_{0.5}\text{La}_{0.5}\text{Fe}_{0.5}\text{Mn}_{0.45}\text{Ti}_{0.05}\text{O}_3$ " Rahul Singh, **Prince Kr. Gupta**, Kaushal K. Shukla Sandip Chatterjee, Proc. of the Intl. Conf. on Nanotechnology for Better Living, 2016 Vol. 3, No. 1, p. 25.
6. "Room temperature large spontaneous exchange bias in hard-soft antiferromagnetic composite $\text{BiFeO}_3\text{-TbMnO}_3$ " **Prince Kr. Gupta**, S. Ghosh, S. Kumar, A. Pal, R. Singh A. Singh, S. Roy, E. F. Schwier, M. Sawada, T. Matsumura, K. Shimada, H. J. Lin, Y. Y. Chin, A. K. Ghosh and S. Chatterjee, (Communiated in J. Applied Phys.).
7. "Study of Band structure, Transport and magnetic properties of $\text{BiFeO}_3\text{-TbMnO}_3$ composite " **Prince Kr. Gupta**, Surajit Ghosh, Arkadeb Pal, Somnath Roy, Anup Ghosh, and Sandip Chatterjee.. (Communicated in J. superconductivity & novel magnetism).

8. "Studies on Multiferroics and Magneto-dielectric response of Co-doped $\text{Bi}_{0.5}\text{La}_{0.5}\text{Fe}_{0.5}\text{Mn}_{0.5}\text{O}_3$ multiferroics" **Prince Kr. Gupta**, Surajit Ghosh, Seema Kumari, Arkadeb Pal, Rahul Singh, Anup Ghosh, and Sandip Chatterjee. (Communicated in Appl. Phys. Letts.).
9. "Existence of Exchange bias and Griffith Phase in $(\text{Tb}_{1-x}\text{Ce}_x)\text{MnO}_3$ ": S. Ghosh, **Prince Kr. Gupta**, A. Kumar, A. Pal, P. Singh, K. Anand, U. Gautam, A. K. Ghosh and Sandip Chatterjee (Communicated in Journal of Magnetism and magnetic).
10. Pal, Arkadeb, Prajyoti Singh, Vinod K. Gangwar, Amish G. Joshi, **Prince K. Gupta**, Md Alam, Khyati Anand, Anup K. Ghosh, and Sandip Chatterjee. "Probing the Griffiths like phase, unconventional dual glassy states, giant exchange bias effects and its correlation with its electronic structure in $\text{Pr}_{2-x}\text{Sr}_x\text{CoMnO}_6$." *arXiv preprint arXiv:1904.08817* (2019).

Schools / Meetings / Workshops / Conference Attended

1. 20th Symposium & workshop on thermal analysis (Thermans - 2016) during 18-22nd January 2016 at Department of Physics, IIT- BHU Varanasi.
2. Third international conference on nanotechnology for living better held on May 25-29th, 2016 in NIT_Srinagar.
3. International conference on "Electron Microscopy Society of India (EMSI) "held on June 2-4th, 2016 in IIT (BHU).
4. International Conference on "Advances in Biological Systems and Materials Science in Nano world" held on 17-21st February 2017 in IIT (BHU).
5. 63rd DAE-Solid State Physics Symposium (DAE-SSPS-2018) in Hisar, Haryana during December 18-22, 2018.