
**List of Publications,
Conferences and Workshops**

LIST OF PUBLICATIONS
(RELATED TO THESIS)

- (1) **Singh, V. P.**, Mohanty, P., Lochab, S. P. and Rath Chandana, Anomalous Luminescent Properties in ZnO and SrAl₂O₄ Composites, *RSC Advances* 4, 36765, 2014.
- (2) **Singh, V. P.**, Rai, S. B., Mishra, H. and Rath Chandana, Stabilization of high temperature hexagonal phase of SrAl₂O₄ at room temperature: role of ZnO, *Dalton Transactions* 43, 5309, 2014.
- (3) **Singh, V. P.**, and Rath, Chandana, Synthesis of SrAl₂O₄ and ZnO Composites: Structure and Optical Properties, *Adv. Sci. Lett.*, 20, 748, 2014.
- (4) **Singh, V. P.**, Singh, R. K., Das, D. and Rath, Chandana, Defects in Zn_{1-x-y}Co_xMg_yO nanoparticles: Probed by XRD, RAMAN and PAS techniques, *Materials Science in Semiconductor Processing*, 16, 659, 2013.
- (5) **Singh V. P.**, Das, D., and Rath, Chandana, Studies on intrinsic defects related to Zn vacancy in ZnO nanoparticles, *Materials Research Bulletin*, 48, 682, 2013.
- (6) **Singh V. P.**, Rai, S.B., Misra, H. and Rath, Chandana, Stabilisation of SrAl₂O₄ hexagonal phase at RT in ZnO-SrAl₂O₄, *AIP conference Proceeding*, 1512, 56, 2013.
- (7) **Singh V. P.**, Singh, R. K., Das, D., and Rath, Chandana, Detection of Defects in ZnO Nanoparticles by Spectroscopic Measurements, *AIP conference Proceeding*, 1461, 205, 2012.

(NOT RELATED TO THESIS)

- (1) Mohanty, P., **Singh, V. P.**, Mishra, N. C., Ojha, S., Kanjilal, D. and Rath, Chandana, Evolution of structural and magnetic properties of Co-doped TiO₂ thin films irradiated with 100 MeV Ag⁷⁺ ions, *J. Phys. D:Appl. Phys.*, 47, 315001, 2014.
- (2) Kumar, D., Mohanty, P., **Singh, V. P.**, Galivarapu, J. K., Banerjee, A., Ganesan, V. and Rath, Chandana, Tuning of magnetic transition temperatures in nanoparticles of CoCr₂O₄ multiferroic by B-site mixing, *Mater. Res. Bull.*, 54, 78-83, 2014.

PARTICIPATION IN CONFERENCES

- (1) **International Conference in Asia - 2013 (IUMRS-ICA 2013)**, Indian Institute of Science, Bangalore, December 16-20, 2013. **(Poster Presentation)**
- (2) **International Conference On Structural and Physical Properties of Solids (SPPS ISM 2013)**, Department of Applied Physics, Indian School of Mines (ISM), Dhanbad, Jharkhand, November 18-20, 2013. **(Poster Presentation)**
- (3) **57th DAE Solid State Physics Symposium (DAE-SSPS 2012)**, IIT Bombay, Powai, Mumbai, December 03 - 07, 2012. **(Poster Presentation)**
- (4) **15th CRSI National Symposium in Chemistry**, Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi, February 01-03, 2013. **(Poster Presentation)**
- (5) **6th National Conference on Thermophysical Properties**, Department of Applied Physics, Institute of Technology, BHU, October 11-13, 2011. **(Poster Presentation)**
- (6) **Second National Seminar on Novel Materials**, School of Materials Science and Technology, Institute of Technology, BHU, March 14-15, 2011. **(Oral Presentation)**
- (7) **International Conference on Multifunctional Materials**, Department of Physics, BHU, December 07-09, 2010. **(Oral Presentation)**

PARTICIPATION IN SCHOOLS/WOKSHOPS

- (8) **National Workshop on Applications of Ion Beam in Device Fabrication and Nanotechnology**, School of Instrumentation, DAVV, Indore (M.P.), March 05-06, 2012.
- (9) **International School on Functional Materials**, Harish-Chandra Research Institute, Allahabad, March 28- April 01, 2011.
- (10) **Winter School on Recent Trends in Physics of Atoms, Molecules and Lasers**, Under UGC Networking Programme, Department of Physics, BHU, January 09-31, 2011.