

## List of Publications **relevant** to the Thesis

### Papers in International Journals of Repute

- [1] **Pawan Kumar**, R. Singh, and P. C. Pandey, “Enhanced ultraviolet photo-response in Dy doped ZnO thin film,” *J. Appl. Phys.*, vol. 123, no. 5, p. 54502, 2018.
- [2] **Pawan Kumar**, B. K. Singh, B. N. Pal, and P. C. Pandey, “Correlation between structural, optical and magnetic properties of Mn-doped ZnO,” *Appl. Phys. A*, vol. 122, no. 8, p. 740, 2016.
- [3] **Pawan Kumar** and P.C. Pandey, “Investigations on absorption, photoluminescence and magnetic properties of ZnO: Co nanoparticles,” *J. Sol-Gel Sci. Technol.*, vol. 80, no. 2, pp. 342–352, 2016.
- [4] **Pawan Kumar** and P. C. Pandey, “Consequence of Cobalt Incorporation on Structural and Optical Properties of Transparent Nano-Crystalline ZnO Thin Film,” *Journal Of International Academy of Physical Sciences*. vol. 20, no. 3, pp. 203–214, 2016.
- [5] **Pawan Kumar**, A.K. Yadav, D.Bhattacharyya, S. N. J. and P. C. Pandey “Lithium ion Assisted Luminescence and Ferromagnetism in Europium Doped Zinc Oxide,” *Mater. Chem. Phys.*(Accepted)
- [6] **Pawan Kumar**, A.K.Yadav, Amish G. Joshi, D. Bhattacharyya, S. N. J. and P. C. Pandey “Effect of Li concentration on Local structure, Optical and Magnetic properties of Terbium doped Zinc oxide,” *Mater. Characterization*.(Under Revision)

### Papers Presented in Conferences and Published in **Proceedings**

- [1] **Pawan Kumar**, P. C. Pandey, “Study of Cobalt Effect on Structural and Optical Properties of Dy Doped ZnO Nanoparticles.,” *2nd Int. Conf. Condens. Matter Appl. Phys. AIP Proceeding*.
- [2] **Pawan Kumar**, P. C. Pandey, “Structural investigation of (Tb, Li) co-doped ZnO nanoparticles,” *45th Natl. Semin. Crystallogr. (NSC45 2017)*.
- [3] **Pawan Kumar**, P. C. Pandey, “Influence of Li concentration on magnetic and optical properties of Europium embedded Zinc Oxide,” *Recent Adv. Phys. Sci. Futur. Challenges (CONIAPS 2017)*.
- [4] **Pawan Kumar**, Bipin K. Singh, P. C. Pandey, “Transparent Nano-crystalline Cobalt doped ZnO thin films prepared by spin coating,” *Proceedings of International Conference on Advances in Light Technologies and Spectroscopy of Materials (ICALTSM -2016)*.