# LIST OF PUBLICATIONS (2010-2011)

1. **Synthesis, characterizations, and thermal induced structural transformation of silver-fullerene $C_{60}$ nanocomposite thin films for applications in optical devices,** R. Singhal, D. C. Agarwal, Y. K. Mishra, D. Kabiraj, G. Mattei, J. C. Pivin R. Chandra, and D. K. Avasthi, *J. Appl. Phys. 107(2010)103504.*

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3. **Microstructure, electrical, magnetic, and extraordinary Hall effect studies in Ni : SiO2 nanogranular films synthesized by atom beam sputtering**, Hardeep Kumar, Santanu Ghosh, Danilo Bürger, Shengqiang Zhou, Debdulal Kabiraj, Devesh Kumar Avasthi, Rainer Grötzschel and Heidemarie Schmid, *J. Appl. Phys. 107(2010)113913*.

4. **Origin of swift heavy ion induced stress in textured ZnO thin films: An in situ X-ray diffraction study**, Fouran Singh, P.K. Kulriya, J.C. Pivin, *Solid State Communications 150 (2010) 1751-1754.*

5. **Structural phase transformation in ZnS nanocrystalline thin films by swift heavy ion irradiation**, Shiv P. Patel, A. K. Chawla, Ramesh Chandra, Jai Prakash, P. K. Kulriya, J. C. Pivin, D.Kanjilal, and Lokendra Kumar, *Solid State Communications 150 (2010) 1158-1161*.

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9. **Study of swift heavy ion irradiation effect on indium tin oxide coated electrode for the dye-sensitized solar cell application**, H.K. Singh, D.C. Agarwal, P.M. Chavhan, R.M. Mehra, Shruti Aggarwal, Pawan Kumar Kulriya, Ambuj Tripathi, D.K. Avasthi, *Nucl. Instr. and Meth. B 268(2010)3223-3226.*
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12. **Tailoring surface plasmon resonance in Ag:$ZrO_2$ nanocomposite thin films**, Manish Kumar and G.B. Reddy, *Physica E: Low-dimensional Systems and Nanostructures 43, (2010) 470-474.*

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