

List of Publications

1. Tanvi, Aman Mahajan, R. K. Bedi, Subodh Kumar, Vibha Saxena and D. K. Aswal, Effect of the crystallinity of silver nanoparticles on surface plasmon resonance induced enhancement of effective absorption cross-section of dyes, Journal of Applied Physics 117, 083111 (2015).
2. R. K.Aulakh, Sana Sandhu, Tanvi, Sandeep Kumar, Aman Mahajan, R. K. Bedi and Subodh Kumar, Designing and synthesis of imidazole based hole transporting material for solid state dye sensitized solar cells, Synthetic Metals 205, 92 (2015).
3. Tanvi, Aman Mahajan, R.K.Bedi, Subodh Kumar, Vibha Saxena, Ajay Singh and D.K.Aswal, Broadband enhancement in absorption cross-section of N719 dye using different anisotropic shaped single crystalline silver nanoparticles, RSC Adv. 6, 48064 (2016).
4. Tanvi, Aman Mahajan, R.K.Bedi, Subodh Kumar, Vibha Saxena and D.K.Aswal, Efficiency enhancement in Dye sensitized solar cells using dual function mesoporous silica both as scatterer as well as back recombination inhibitor (under revision in Chemical Physics Letters)
5. Tanvi, Sanjeev Kumar, Om Prakash, Aman Mahajan, R.K.Bedi, Subodh Kumar, Vibha Saxena and D.K.Aswal, Optimization of Scattering Enhancement by Varying the Morphology of Photoanode in Dye-Sensitized Solar Cells (Communicated).