

List of Publications

(A) List of Publications from the thesis

1. **B. P. Singh**, A. K. Parchur, R. K. Singh, A. A. Ansari, P. Singh, S. B. Rai, Structural and optical properties Er³⁺ and Yb³⁺ co-doped Y₂Ti₂O₇ phosphors, Phys. Chem. Chem. Phys. 15, 3480-3489, 2013.
2. **B. P. Singh**, A. K. Parchur, R. S. Ningthoujam, A. A. Ansari, P. Singh, S. B. Rai, Influence of Gd³⁺ co-doping on structural properties of CaMoO₄:Eu³⁺ nanoparticles, Dalton Trans. 43, 4770-4778, 2014.
3. **B. P. Singh**, A. K. Parchur, R. S. Ningthoujam, A. A. Ansari, P. Singh, S. B. Rai, Enhanced Photoluminescence in CaMoO₄:Eu³⁺ via Gd³⁺ co-doping, Dalton Trans., 43, 4779-4789, 2014.
4. **B. P. Singh**, A. K. Parchur, R. S. Ningthoujam, P. V. Ramakrishna, S. Singh, P. Singh, S. B. Rai and R. Maalej, Enhanced upconversion and temperature sensing behaviour of Er³⁺/Yb³⁺ co-doped Y₂Ti₂O₇ by incorporation of Li⁺ ions, Phys. Chem. Chem. Phys. 16, 22665-22676, 2014.

(B) Papers contributed during PhD but not a part of this thesis

1. P. Singh, **B. P. Singh** and Raghvendra, Dispersion in AC conductivity of Fragile Glass Melts near glass transition Temperature, Solid State Ionics 227, 39-45, 2012.
2. **B. P. Singh**, A. K. Parchur, S. B. Rai and P. Singh, Luminescence and Electrical behaviour of PbMoO₄ nanoparticles, AIP Conf. Proc.. 1512, 248-249, 2013.
3. Sharath S.U., R.K. Singh, Raghvendra, **B. P. Singh**, P. Kumar, P. Singh, Influence of grain and grain boundary resistances under the small DC bias field, J. Am. Ceram. Soc. 96, 3127-3132, 2013.
4. A. K. Parchur, A. A. Ansari, **B. P. Singh**, T. N. Hasan, F. N. Syed, S. B. Rai and R. S. Ningthoujam, Integ. Biol., 6, 53-64, 2014.
5. Maheshwary, **B. P. Singh**, J. Singh, R. A. Singh, Structural and luminescence properties of Eu³⁺ activated SrWO₄ nanophosphors: concentration and annealing effect, RSC Adv. 4, 32605-32621, 2014.