



Research Publication:

1. "The dependence of photoinduced energy transfer on the orientation of the acceptor with respect to the π -plane of the donor in naphthalene-linked crown ether – Tb^{3+} complexes". **Surajit Bhattacharyya**, Maitrayee Basu Roy, Sanjib Ghosh, *Chemical Physics* vol. 300, 2004, pp. 295-304.
2. "Study of energy transfer in a naphthalene-linked crown ether – Eu^{3+} complex: the effect of the orientation of the naphthalene π -plane with respect to the Eu^{3+} ion". **Surajit Bhattacharyya**, L. R. Sousa and Sanjib Ghosh, *Chemical Physics Letters*, vol 297, 1998, pp. 154.
3. "Dual phosphorescence from 2-3-naphtho-17-crown-5 ether in ethanol glass at 77K". **Surajit Bhattacharyya**, L. R. Sousa and Sanjib Ghosh, vol. 269, 1997, pp. 314.
4. "Investigation of anhydrous benz(f) ninhydrin, indanetrione and 5-methoxy indanetrione by electronic absorption and emission spectroscopy and computational chemistry methods". J. Roy, **Surajit Bhattacharyya**, Sanjib Ghosh, D. Majumder, S. P. Bhattacharyya, *Chemical Physics*, vol. 222, 1997, pp. 161.
5. "Room temperature phosphorescence ($n\pi^*$) of indanetrione (anhydrous ninhydrin) in phthalic anhydride matrix". J. Roy, **Surajit Bhattacharyya**, S. Mondal, Sanjib Ghosh, *Spectrochimica Acta, Part A* 53, 1997, pp. 225.
6. "The lowest ($n\pi^*$) transition of indanetrione (anhydrous ninehydrin) in various ethers as solvents". J. Roy, **Surajit Bhattacharyya**, Shampa Samanta, Sanjib Ghosh, *Proceedings of the Indian Academy of Sciences (Chemical Science)* vol. 106, 1994, pp 73.