

List of Publications

Publications from Ph.D. thesis

1. **Facile Cyclization of Terphenyl to Triphenylene: A New Chemodosimeter for Fluoride Ions;** Vandana Bhalla, **Hardev Singh** and Manoj Kumar, *Org. Lett.* **2010**, *12*, 628-631. (Highlighted in *SYNFACTS*, **2010**, *4*, **0416**. Contributors Timothy M. Swager and William R. Collins)
2. **Triazole-Modified Triphenylene Derivative: Self-Assembly and Sensing Applications;** Vandana Bhalla, **Hardev Singh**, Manoj Kumar and S. Krishna Prasad, *Langmuir* **2011**, *27*, 15275-15281.
3. **Triphenylene to Supertriphenylene: New Chemodosimeter for Fluoride Ions;** Vandana Bhalla, **Hardev Singh**, Harshveer Arora and Manoj Kumar, *Sensors and Actuators B* **2012**, *171-172*, 1007-1012.
4. **Triphenylene Based Copper Ensemble for the Detection of Cyanide Ions;** Vandana Bhalla, **Hardev Singh** and Manoj Kumar, *Dalton Trans.* **2012**, *41*, 11413-11418.
5. **Triphenylene Derivatives for the Selective Detection of Nitroaromatics;** Vandana Bhalla, Harshveer Arora, **Hardev Singh** and Manoj Kumar, *Dalton Trans.* **2013**, *in press*, DOI: 10.1039/C2DT31459B.
6. **Crown Ether Linked Triphenylene Derivatives: Synthesis, Self-assembly and Chemodosimeter Approach;** Vandana Bhalla, **Hardev Singh** and Manoj Kumar, *under preparation*.
7. **Fluorogenic and Chromogenic Extended Triphenylene Based Chemosensor having Urea Moiety for Detection of Explosive Nitroaromatics;** Vandana Bhalla, **Hardev Singh** and Manoj Kumar, *under preparation*.

Other publications

8. **Fluoride-Induced Cyclization of Pentacenequinone to Higher Quinones;** Vandana Bhalla, Ankush Gupta, Roopa, **Hardev Singh** and Manoj Kumar, *J. Org. Chem.* **2011**, *76*, 1578-1583. (Highlighted in *J. Org. Chem.*)
9. **Naphthalimide Appended Rhodamine Derivative: Through Bond Energy Transfer for Sensing of Hg²⁺ Ions;** Manoj Kumar, Naresh Kumar, Vandana Bhalla, **Hardev Singh** Parduman Raj Sharma and Tandeep Kaur, *Org. Lett.* **2011**, *13*, 1422-1425. (Highlighted in *Org. Lett.*)