

**Publications**

1. Nano ceria catalyzed synthesis of Aminophosphonates under ultrasonication, *Tetrahedron Lett.*, **52** (2011) 3499-3504.
2. Nano Ceria catalyzed Ullmann type coupling reactions., *Tetrahedron Lett.*, **52** (2011) 5220-5223.
3. Nano ZnO/Co<sub>3</sub>O<sub>4</sub> catalyzed synthesis of 5-substituted 1H-Tetrazole, communicated with *Catalysis Science and Technology*, **2** (2012) 1324-1327.

### Presentations

1. Oral presentation on “*Nano Ceria catalyzed novel ullmann type coupling reaction.*” by Sandeep M. Agawane and Jayashree M. Nagarkar at National conference on ‘**48<sup>th</sup> Convention of Chemists 2011**’ organized by Indian Chemical Society in University of Allahbad, Allahbad, 03-07 Dec. 2011.
2. Poster presentation on “**Nano ceria catalyzed synthesis of Aminophosphonates under ultrasonication**” in two day seminar “**Challenges and Opportunity for Education and Research for Development of Sustainable Chemical and Allied Industries**” organized by Institute of Chemical Technology , Mumbai, India , 11-12 May 2011.
3. Oral presentation on “*Nanocrystalline photocatalytic treatment for oxidation of Dichlorvos (DDVP) and optimum reaction condition in water.*” by Sandeep M. Agawane and Jayashree M. Nagarkar at National conference on ‘**Nanomaterial and Nanotechnology**’ conducted by VNIT Nagpur, 18-20Feb. 2009.

### **Awards**

- 1. “Prof. P. Sengupta Memorial” young scientist award** in oral presentation, Organic Chemistry Section in National Conference ‘48<sup>th</sup> Convention of Chemists 2011’ organized by **Indian Chemical Society** at University of Allahbad, Allahbad in Dec. 2011.
- 2. Awarded Rajiv Gandhi National Fellowship by University Grant Commission for the year 2009-2010**
- 3. Awarded Green Technology Meritorious Fellowship by University Grant Technology from the year 2010.**
- 4. Awarded G. M. Abhyankar presentation award by Institute of Chemical Technology in the year 2009.**