

List of publications

International Journals

1. **P. S. Rathore**, R. Patidar, T. Shripathi, S. Thakore, Magnetically separable core/shell Iron oxide@Nickel nanoparticles as high-performance recyclable catalysts for chemoselective reduction of nitroaromatics, *Catalysis Science & Technology*, 2014, 2015, 5, 286.
2. **P. S. Rathore**, R. Patidar, S. Thakore, Nanoparticle-supported and magnetically recoverable organic–inorganic hybrid copper(II) nanocatalyst: a selective and sustainable oxidation protocol with a high turnover number, *RSC Advances*, 2014, 4, 41111.
3. **P. S. Rathore**, R. Patidar, S. Rathore, S. Thakore, Nickel Nanoparticles as Efficient Catalyst for Electron Transfer Reactions, *Catalysis Letters*, 2014, 144, 439.
4. **P. S. Rathore**, J. Advani, S. Rathore, S. Thakore, Metal nanoparticles assisted amine catalysed transesterification under ambient conditions, *Journal of Molecular Catalysis A: Chemical*, 2013, 377, 129.
5. **P. S. Rathore**, P. Mangalorkar, P. S. Nagar, M. Daniel, S. Thakore, Novel Nanoparticle-Assisted Room-Temperature Synthesis of Methyl Esters from Aloe vera Seed Oil, *Energy & Fuels*, 2013, 27, 2776.
6. **P. S. Rathore**, S. Thakore, Nanoparticle-supported and magnetically recoverable L-DOPA: Novel catalyst for the Room temperature aldol reaction, 2015, (*communicated*).
7. **P. S. Rathore**, S. Thakore, Efficient catalytic degradation of azo dyes using magnetically separable core/shell Iron oxide@Nickel nanoparticles, 2015, (*communicated*).

8. M. Valodkar, **P. S. Rathore**, R. N. Jadeja, M. Thounaojam, R. V. Devkar, S. Thakore, Cytotoxicity evaluation and antimicrobial studies of starch capped water soluble copper nanoparticles, *Journal of Hazardous Materials*, 2012, 201– 202, 244.
9. M. Valodkar, **P. S. Rathore**, P. Sharma, D. Kanchan, M. Patel, S. Thakore, Immobilization of metal nanoparticles on polyurethane membranes: synthesis and electrical properties, *Polymer International*, 2012, 61, 1745.
10. S. Thakore, M. Valodkar, J. Y. Soni, K. Vyas, R. N. Jadeja, R. V. Devkar, **P. S. Rathore**, Synthesis and cytotoxicity evaluation of novel acylated starch nanoparticles, *Bioorganic Chemistry*, 2013, 46, 26.
11. S. Thakore, **P. S. Rathore**, R. N. Jadeja, M. Thounaojam, R. V. Devkar, Sunflower oil mediated biomimetic synthesis and cytotoxicity of monodisperse hexagonal silver nanoparticles, *Materials Science and Engineering C*, 2014,44,209.
12. S. Thakore, P. S. Nagar, R. N. Jadeja, M. Thounaojam, R. V. Devka, **P. S. Rathore**, Sapota fruit latex mediated synthesis of Ag, Cu mono and bimetallic nanoparticles and their in vitro toxicity studies, *Arabian Journal of Chemistry*, In Press, Corrected Proof, Available online 31 January 2015, doi:10.1016/j.arabjc.2014.12.042.

Book Chapter

1. S. Thakore, **P. S. Rathore**, Role of nanoparticles in catalyzing various organic transformations, “Handbook of Nanoparticles, Synthesis, Functionalization and Surface Treatment” Publishers: Springer-Verlag GmbH (*Accepted*).

National/ International Conferences

1. Western India research scholars meet held on 17th September, 2011 in the Department of chemistry, the M. S. University Baroda, Vadodara. (*Oral presentation*)
2. Regional Science congress on science for shaping the future of India held on September, 15-16, 2012 in the Department of chemistry, The M. S. University, Baroda, Vadodara. (*Oral presentation*)
3. “National Symposium on Recent Advances in chemical sciences” held at the Department of pure and applied Chemistry, University of kota (Raj.) on 7-8th January, 2011. (*Poster presented*)
4. DAE-BRNS 4th Interdisciplinary Symposium on Materials Chemistry (ISMC-2012) December 11 – 15, 2012, held at Chemistry Division Bhabha Atomic Research Centre Mumbai, india. (*Poster presented*)
5. National symposium on modern trends in chemistry (MTC-2013) held on March, 21-23 in the Department of chemistry, the M.S. University Baroda, Vadodara. (*Poster presented*)
6. National Conference on “Recent trends in organic synthesis-2011” held at the school of Chemistry, Bharathidasan University, tiruchirappalli, India on 24 to 26th February 2011.
7. National Conference on Chirality 2011 held at the Department of Chemistry, The M. S. University of Baroda during December 2-3, 2011.
8. Research Scholars Meet-2014, held on 1-2 December in the UGC-DAE Consortium for scientific Research University Campous, khandwa Road, Indore (M.P.)-452001. (*Oral presentation*)