

## ***List of publications***

- 1) **PriyankaYadav** and Amar Ballabh, “*Synthesis, characterization and nanoparticles synthesis using a simple two component supramolecular gelator: A step towards plausible mechanism of hydrogelation*”, ***Colloids and Surfaces A: Physicochem.Eng. Aspects***, 2012, 414, 333-338.
- 2) **Priyanka Yadav**, Dalbir Kour, Vivek K Gupta, Rajnikant and Amar Ballabh, “*Probing the role of weaker interactions in immobilization of solvents in a new class of supramolecular gelator*”, ***RSC Adv.***, 2013, 3, 8417-8421.
- 3) **Priyanka Yadav** and Amar Ballabh, “*Room temperature metallogelation for a simple series of aminothiazole ligands with potential applications in identifying and scavenging mercury ions*”, ***RSC Adv.***, 2014, 4,563-566.
- 4) **Priyanka Yadav**, Pradip Kr. Dutta and Amar Ballabh, “*Combinatorial library approach to realize 2-aminothiazole based two components hydrogelator: A structure-property correlation*”, ***Cryst. Growth. Des.***, 2014, 14, 5966-5975.
- 5) **Priyanka Yadav** and Amar Ballabh, “*Odd-Even effect in a thiazole based organogelator: Understanding the interplay of non-covalent interactions on property and applications*”, ***New J. Chem.***, 2015, 39, 721-730.

### ***National/ International Conferences***

1. Poster presentation in ICSSC-2011, Mangalore University, Mangalore, held during December 8-10, 2011, entitled Synthesis and Characterization of Simple Non-covalent Gelator based on melaminium salts: A Crystal Engineering Approach.
2. Poster presentation in ICSNA-2012, Gujarat University, Ahmadabad, held during February 6-8, 2012, entitled Simple Non-Covalent Hydrogelators based on melaminium salts and its application as Template for synthesis of silver nano particle.
3. Poster presentation in ISMC-2012, BARC, Mumbai, held during December 11-15, 2012, entitled Designing a new class organogelator and its application as Template for synthesis of silver nano particle.
4. Poster presentation in MTC-2013, The M.S.University of Baroda,Vadodara,Gujarat, held during March 21-23,2013,entitled Structural studies of a New Low Molecular Mass Gelator Bsed on simple organic salts.
5. Poster presentation in National Conference on Supramolecules and Nanotechnology, Gandhinagar, Gujarat, held during October 18-19, 2013, entitled Two component supramolecular gelator based on salt of melamine and succinic acid: A structure property correlation.