

List of Publications

1. **F. Shukla**, Manita Das, S. Thakore. Copper nanoparticles loaded polymeric vesicles as environmentally amicable nanoreactors: A sustainable approach for cascading synthesis of benzimidazole; *Journal of Molecular Liquids*, **2021**, 336, 116217.
2. **F. Shukla**, T. Kikani, A. Khan, S. Thakore. α -Hydroxy acids modified β -cyclodextrin capped Iron Nanocatalyst for rapid reduction of nitroaromatics: a sonochemical approach. *International Journal of Biological Macromolecule*, **2022**, 209, 1504-1515.
3. **F. Shukla**, M. Patel, Q. Gulamnabi, S. Thakore. Palladium nanoparticles confined pore engineered urethane linked thiol functionalized covalent organic framework: A high-performance catalyst for Suzuki Miyuara cross-coupling reaction. *Dalton Transactions*, **2023**, 52, 2518-2532.
4. **F. Shukla**, D. Singh, S. Thakore. *Candida antarctica* Lipase B and nZVI co-loaded bioinspired nanomicelles: A sustainable catalytic nanoreactor for multistep synthesis of acetaminophen (**Under revision**)

POSTER PRESENTATIONS

1. **F. Shukla** & S. Thakore. Tyrosine derived micelles for the multistep synthesis of acetaminophen, International Symposium on “Materials Chemistry (ISMC-2022) organized by Chemistry Division, Bhabha Atomic Research Centre (BARC), Mumbai, on 7-10th December 2022.
2. **F. Shukla**, M. Das & S. Thakore. Self-assembled Polymersomes loaded with CuNPs: A smart nanoreactor enabling C-N coupling via Cascade synthesis in water, Virtual International Conference on “Molecules to Materials (MTM – 2020)” organized by Department of Applied Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, Gujarat on 17-18th December 2020.

3. **F. Shukla** & S. Thakore, Rational Synthesis of various Polymer architectures of functionalized Dextran for diversified applications, One day National Seminar on Decadal Trends in Chemistry Research: The Perspective of Women Scientists (WCHEM2020), Organized by Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, on 8th March-2020.
4. **F. Shukla** & S. Thakore, Polyurethane hydrogels and vesicles as excellent supports for stabilising metal nanocatalysts, One Day Workshop on Industrial Catalysis (ICAT 2019), organized by Catalysis Society of India, Baroda Chapter In Association With the Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, on 23rd November 2019.

ORAL PRESENTATIONS

1. **F. Shukla** & S. Thakore, Palladium nanoparticles confined pore engineered urethane linked thiol functionalized covalent organic framework: A high-performance catalyst for Suzuki Miyaura cross-coupling reaction, 8th All Gujarat Research Scholars Meet (AGRSM-2023) organized by the Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, on 26th February 2023.
2. **F. Shukla** & S. Thakore, Functionalized β -Cyclodextrin polymer capped Fe (0) magnetic nanocatalysts for the reduction of nitroaromatics, Virtual international conference on Advances in Chemistry and Chemical Engineering 2021 (ACCE 2021), organized by SVNIT, SURAT, Gujarat on 16-17th April 2021
3. **F. Shukla** & S. Thakore, Nanoreactors from Self assembling Amphiphilic Polymers, CATSCHOL 2020 online conference on Catalysis for Sustainable Development, Organized by Catalysis Society of India, on 19th – 20th December 2020.

SHORT TRAINING PROGRAMS

1. Short-term training program, Computational Chemistry, and Techniques for Beginners (CCTMB-2023), from 28th Feb- 4th March 2023 at SVNIT, Surat, Gujarat.
2. Workshop of computational chemistry under UGC-CAS II programme, The Maharaja Sayajirao University of Baroda.