

CURRICULUM VITAE

Dr. Suraj A. Sonawane

Assistant Professor

Department of Chemistry

Government of Maharashtra's

Rajaram College, Kolhapur- 416004

Contact No - 9730802047

Email - surajsonawane9595@gmail.com

suraj.sonawane9595@gov.in



✚ Educational Details

- Ph. D : Shivaji University, Kolhapur (Year 2023)
- NET (JRF) - 2013
- NET (LS) - 2013
- SET - 2013
- GATE - (2013)
- M. Sc in Organic Chemistry from Department of Chemistry Savitribai Phule Pune University, Pune
- B. Sc in Chemistry from Waghire College Saswad (Savitribai Phule Pune University, Pune)

✚ Teaching Experience

- UG – 10 Years
- PG – 10 Years
- Someshwar Science College, Someshwarnagar, Baramati – 2 years
(1st July 2013 to 30th August 2015)
- Rajaram College Kolhapur- 8 years (7th September 2015 to till date)

Research Work

Minor Research Project (2018 to 2020)

“Desinging, synthesis and applications of novel task specific chiral ionic liquids derived from biomolecules.”

Under Research Initiation Scheme funded by Shivaji University
Kolhapur. (Amount 1,00,000/-)

Publications

1. Novel copper tagged supported ionic liquid phase catalyst for the synthesis of 1, 4-disubstituted 1, 2, 3-triazoles via Cu-catalyzed azide-alkyne cycloaddition reactions in water.

S. A. Sonawane, D. M. Pore

Catalysis Letters, 2022, 152 (11), 3317-3331.

<https://doi.org/10.1007/s10562-021-03898-w>

2. Novel palladium tagged ferrite nanoparticle supported ionic liquid phase catalyst for the efficient copper-free Sonogashira coupling.

S. A. Sonawane, P. M. Mhaldar, T. N. Chhowala, D. M. Pore

Journal of Molecular Structure, 2022, 1269, 133729.

<https://doi.org/10.1016/j.molstruc.2022.133729>

3. L-Proline Nitrate: An Efficient Amino Acid Ionic Liquid Catalyzed Synthesis of 5-aryl-[1, 2, 4]-triazolidine-3-thiones

S. A. Sonawane, D. M. Pore

Letters in Organic Chemistry, 2022, 19 (9), 743-749

<https://doi.org/10.2174/1570178619666220128141519>

4. Synthesis of silver nanoparticles using *Rothea serrata* leaves and evaluation of their antimicrobial potential
S. A. Sonawane*, B. B. Rajput, V. B. Sankpal, S. S. Savaisarje, P. M. Mhaldar, R. S. Shinde
International Journal of Science and Research Archive 2023, 10 (2), 077-084. <https://doi.org/10.30574/ijrsra.2023.10.2.0897>

 5. Pd-SILP-Fe₃O₄@ SiO₂: An efficient supported ionic liquid phase catalyst for the Mizoroki-Heck coupling
S. A. Sonawane, D. M. Pore
International Journal of Science and Research Archive, 2023, 10 (2), 096-106. <https://doi.org/10.30574/ijrsra.2023.10.2.0902>

 6. Magnetically recoverable Pd-SILP-Fe₃O₄@ SiO₂ catalyst for the Suzuki–Miyaura cross-coupling
S. A. Sonawane, D. M. Pore
International Journal of Science and Research Archive, 2023, 10 (2), 067-076. <https://doi.org/10.30574/ijrsra.2023.10.2.0893>

 7. Synthesis and biological activities of novel aryldiazo substituted heterocycles
S. N. Korade, J. D. Patil, D. S. Gaikwad, **S. A. Sonawane**, S. P. Vibhute, N. C. Dige, P. M. Mhaldar, D. M. Pore
Organic Preparations and Procedures International, 2020, 52(2), 147-165. <https://doi.org/10.1080/00304948.2020.1716625>
-

Papers/Posters Presented in Conference

1. Suzuki-Miyaura coupling catalyzed by Palladium nanoparticles generated from Multi functionalized ionic liquid
D. S. Gaikwada, K. A. Undale, D. M. Pore, S. N. Korade, **S. A. Sonawane**
International conference on Advances in Materials Science (ICAMS – 2016) Organized by Raje Ramrao Mahavidyalaya, Jath
2. Absorption spectra of Rhodamine – 6G in aqueous solution of NaCl and KCl salt
S. A. Sonawane, A. D. Chapolikar, P. D. Talap
National Conference on Recent Trends in Chemistry and Material Science (RTCMS-2019), Organized by Department of Chemistry, Shivaji University, Kolhapur – 416004
3. An efficient synthesis of Deazaflavin using proline nitrate as a mild, green and reusable catalysts.
S. S. Patil, R. R. Patil, **S. A. Sonawane**, D. M. Pore
National Conference on Recent Trends in Chemistry and Material Science (RTCMS-2019), Organized by Department of Chemistry, Shivaji University, Kolhapur – 416004
4. Synthesis and structural investigation of metal- ligand (Thiourea derivative) complexes and antimicrobial activity studies of *E. Coli* and *B. Subtilis*
S. A. Sonawane, M. S. Rathod, P. D. Talap and S. Z. Jadhao

International Conference on Advances in Chemical Sciences (ICACS 2018), Organized by Department of Chemistry, Shivaji University, Kolhapur – 416004

5. Ionic liquid promoted simple and practical one-pot synthesis of 3,4-dihydroquinoxalin-2-amine derivatives based on isocyanides

O. B. Pawar, **S. A. Sonawane**

National Conference On Innovative Research In Chemical Sciences (IRCS 2017), Organized by Department of Chemistry, Shivaji University, Kolhapur – 416004

6. Self aggregation of Rhodamine 6G in aqueous solution and effect of added electrolytes

P. D. Talap, **S. A. Sonawane**

National Conference On Innovative Research In Chemical Sciences (IRCS 2017), Organized by Department of Chemistry, Shivaji University, Kolhapur – 416004

7. Novel copper tagged supported ionic liquid phase catalyst for the synthesis of 1, 4-disubstituted 1, 2, 3-triazoles via Cu-catalyzed azide–alkyne cycloaddition reactions in water.

S. A. Sonawane

International Conference On Sustainable Development in Chemistry & Scientific Applications (SDCSA 2021), Organized by Department of Chemistry, Sadguru Gadage Maharaj College Karad
