

**LIST OF
RESEARCH
PUBLICATIONS**

List of Research Publications

- [1] S. Gajaganti, **S. Kumari**, D. Kumar, B. K. Allam, V. Srivastava, S. Singh, "An Efficient, Green, and Solvent-free Multi-component Synthesis of Benzimidazolo/Benzothiazolo Quinazolinone Derivatives Using Sc(OTf)₃ Catalyst Under Controlled Microwave Irradiation," *Journal of Heterocyclic Chemistry*, **55**(2018) 2578-2584.
- [2] **S. Kumari**, D. Kumar, S. Gajaganti, V. Srivastava, S. Singh, "Sc(OTf)₃ Catalysed Multicomponent Synthesis of Chromeno [2, 3-*d*] pyrimidinetriones Under Solvent-free Condition," *Synthetic Communications*, **49**(2019) 431-443.
- [3] D. Kumar, **S. Kumari**, S. Gajaganti, V. Srivastava, S. Singh, "Et₃N-Promoted Cascade Sp₃ C-H Bond Functionalization of Methyl Arene with Active Methylene Compounds Under Solvent-Free Condition," *ChemistrySelect*, **4**(2019) 2225-2228.
- [4] S. Singh, **S. Kumari**, in *Heterocycles-Synthesis and Biological Activities*, IntechOpen, 2019. DOI: [10.5772/intechopen.81146](https://doi.org/10.5772/intechopen.81146)
- [5] **S. Kumari**, S. Singh, V. Srivastava, "Lemon Juice Catalyzed C–C Bond Formation via C–H Activation of Methylarene: A Sustainable Synthesis of Chromenopyrimidines," *Molecular Diversity*, **24**(2020) 717-725.
- [6] S. K. Maury, **S. Kumari**, A. K. Kushwaha, A. Kamal, H. K. Singh, D. Kumar, S. Singh, "Grinding Induced Catalyst free, Multicomponent Synthesis of Indoloindole Pyrimidine," *Tetrahedron Letters*, **61**(2020) 152383.
- [7] H. K. Singh, A. Kamal, **S. Kumari**, D. Kumar, S. K. Maury, V. Srivastava, S. Singh, "Eosin Y-Catalyzed Synthesis of 3-Aminoimidazo [1, 2-*a*] Pyridines via the HAT Process under Visible Light through Formation of the C–N Bond," *ACS Omega*, **5**(2020) 29854-29863.

-
-
- [8] S. K. Maury, D. Kumar, A. Kamal, H. K. Singh, **S. Kumari**, S. Singh, "A Facile and Efficient Multicomponent Ultrasound-Assisted "On Water" Synthesis of Benzodiazepine Ring," *Molecular Diversity*, **25**(2021) 131-142.
- [9] A. Kamal, H. K. Singh, D. Kumar, S. K. Maury, **S. Kumari**, V. Srivastava, S. Singh, "Visible Light-Induced Cu-Catalyzed Synthesis of Schiff's Base of 2-Amino Benzonitrile Derivatives and Acetophenones," *ChemistrySelect*, **6**(2021) 52-58.
- [10] **S. Kumari**, S. Kumar Maury, H. Kumar Singh, A. Kamal, D. Kumar, S. Singh, V. Srivastava, "Visible Light Mediated, Photocatalyst-Free Condensation of Barbituric Acid with Carbonyl Compounds," *ChemistrySelect*, **6**(2021) 2980-2987.
- [11] **S. Kumari**, S. Kumar Maury, H. Kumar Singh, A. Kamal, A. Kumar Kushwaha, S. Singh, V. Srivastava, "Visible Light Mediated, Catalyst-free, One-Pot, Multicomponent Synthesis of Naphthopyranopyrimidines Under Aqueous Condition," (communicated).