

CURRICULUM VITAE: Dr. SAVITA KUMARI

Name: Dr. Savita Kumari

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CAREER OBJECTIVES:

- Use my talents by putting them into good deed for the benefit of the institution that I work for.
- To work for an institution which will help in value addition and serves as a spring board to move ahead in my career by providing me interesting career opportunities and harness the best of my caliber.

ACADEMIC QUALIFICATION:

Degree	Branch/ Subject	Year	Board/University	%age/CGPA
Ph.D.	Organic Chemistry	2021	Indian Institute of Technology, Banaras Hindu University (IIT, BHU), Varanasi	9.37
B.Ed.	Science	2014	Harishchandra P.G. college, Varanasi	70.11
M.Sc.	Organic Chemistry	2013	Banaras Hindu University (BHU), Varanasi	70.8
B.Sc.	Chemistry (Hons)	2011	Banaras Hindu University (BHU), Varanasi	75.3
Intermediate	Science	2006	A.B.B.I.College Mirzapur	72.0
High School	Science	2004	A.J.H.S.S.C. Varanasi	62.17

National Exam Qualification – NET(Chemical Sciences)- 37 Rank (DEC-2014)

GATE 2016-AIR-1081(GATE SCORE-458)

Subject during Ph.D.: Organic Chemistry

Specialisation subject during Post graduation: Organic Chemistry

Subjects during Graduation: Botany, Zoology, Chemistry (Hons.)

Ph.D. Thesis work: “Synthesis of Some Biologically Active Barbituric Acid Derivatives” under the supervision of Dr. Sundaram Singh.

SKILL/STRENGTHS:

- Practical approach, imagination power and way of presentation.
- Good qualitative aptitude along with excellent grasping power and eagerness to learn.
- Proficiency in communication skill, working in groups and excellent coordination skill.
- Experience of Good knowledge of handling and working with rotary evaporator, column chromatography.

ACTIVITIES:

- Consistent academic performance
- Attended workshop on Molecular Spectroscopy held at BHU.

LINGUISTIC ABILITY:

- Good command over English, Hindi.

List of Research Publications

- [1] **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.
- [2] **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.
- [3] **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.

- [4] 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.
- [5] 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.
- [6] 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.
- [7] 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.
- [8] 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.
- [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] H. K. Singh, A. Kamal, **S. Kumari**, S. K. Maury, A. K. Kushwaha, V. Srivastava, S. Singh, "Visible-Light-Promoted Synthesis of Fused Imidazoheterocycle by Eosin Y under Metal-Free and Solvent-Free Conditions," *ChemistrySelect*, **6**(2021), 13982-13991.

- [11] D. Kumar, S. K. Maury, **S. Kumari**, A. Kamal, H. K. Singh, S. Singh, V. Srivastava, "TBAI-Catalysed C-N Bond Formation through Oxidative Coupling of Benzyl Bromides with Amine: A New Avenue to The Synthesis of Amides," *Synthetic Communications*, **52**(2022), 424-432.
- [12] A. Kamal, H. K. Singh, S. K. Maury, **S. Kumari**, A. K. Kushwaha, V. Srivastava, S. Singh, "Visible Light-Driven Synthesis of Amine–Sulfonate Salt Derivatives: A Step towards Green Approach," *Journal of Molecular Structure*, **1257**(2022), 132523.

Book Chapter:

- [1] S. Singh, **S. Kumari**, in *Heterocycles-Synthesis and Biological Activities*, IntechOpen, 2019. DOI: **10.5772/intechopen.81146**

I, **Savita Kumari** hereby declare that all the above given information are true to the best of my knowledge.

(SAVITA KUMARI)