

Name of faculty member : Dr. Shivali Sharma



1. **Designation:** Assistant Professor

2. **Contact details:**

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5. **Area of Specialization:** Synthesis and Structure Diversification of
Heterocyclic and macrocyclic entities

6. **Awards/Honours/Fellowships:**

➤ Qualified junior/senior research fellowship test (JRF) conducted jointly by Council of Scientific and Industrial Research (CSIR) and University Grants Commission (UGC)-**2008**.

➤ Awarded **Gold Medal** in B.Sc. (Hons.) Chemistry

➤ Awarded **Merit Certificate** in M.Sc. (Hons.) Chemistry.

7. **List of Publications:**

1. Efficient synthesis of bis(heterocyclyl)methanes. Singh K, **Sharma S** and Sharma A, *Synth. Commun.* **2011**, 41, 3491-3496. (Impact Factor = 0.93)

2. Unique versatility of Amberlyst-15. An acid and solvent-free paradigm towards synthesis of bis(heterocyclyl)methane derivatives. Singh K, **Sharma S** and Sharma A, *J. Mol. Cata. A: Chem.* **2011**, 347, 34-37. (Impact Factor = 3.62)

3. Heteroporphyrins: Synthesis and structural modifications. Singh, K, Sharma A and **Sharma S**, *Adv. Heterocycl. Chem.* **2012**, 106, 111-184. (Impact Factor = 2.80)

4. Regioselective, direct *meso*-functionalization of sulfur-bridged 5,16-dihydro[22]annulene(2.1.2.1). Singh K, **Sharma S**, Sharma A and Kaur P, *Eur. J. Org. Chem.* **2014**, 381-386. (Impact Factor = 3.065)

5. Catalytic Oxidation of Benzyl alcohol to Benzaldehyde. Batra M S, **Sharma S**, Anand A and Joshi S *J. Pur.& App. Sci.1*, **2015**, 100-117. (ISSN Number: 2455-023X).

6. Advances in synthesis of di(heterocyclyl)methanes. Singh K, **Sharma S**, Kaur P and Hee-Lee C *Tetrahedron Report*, **2015**,1-18. (Impact Factor = 2.89)
7. Selective functionalization of methylene bridges of calix[6]arenes. Isolation and identification of stable conformers of methyl ether of p-tert-butylcalix[6]arene. Arora S, **Sharma S**, Mithu V S., Hee-Lee C and Singh K, *Chem. Commun.* **2015**, 4227-4230. (Impact Factor = 6.83)
8. Synthesis of Schiff Bases of Coumarin and their Antifungal Activity Anamika, Utreja D, Kaur J and **Sharma S** *Indian J. Heterocycl. Chem.* **2018**, 28, 1-7 (Impact Factor = 0.96)
9. Advances in synthesis and potentially bioactive Coumarin derivatives. Anamika, Utreja D, Ekta, Nisha and **Sharma S** *Curr. Org. Chem.* **2018**, 22, 2507-2534.(Impact factor=2.157)
- 10.Synthesis of series of triazine derivatives and their evaluation against root knot nematode *Meloidogyne Incognita*. Kaur J, Utreja D, Dhillon NK and **Sharma S** (2018) *Lett. Org. Chem.* 870-877. (Impact Factor = 0.83)
- 11.Recent developments in synthesis and antimicrobial activity of indole and its derivatives. Kaur J, Utreja D, Ekta, Jain N and **Sharma S** *Curr. Org. Synth.* **2019**, 1,17-37. (Impact Factor = 1.757)
- 12.Synthesis of Indole Derivatives and their evaluation against Root Knot Nematode *Meloidogyne incognita*. Kaur J, Utreja D, Dhillon, NK and **Sharma S**, *Lett.Org. Chem* **2019**,16, 759-767. (Impact Factor = 0.83)
- 13.Synthesis and biological activity of Quaternary quinolinium salts: A review. Utreja D, **Sharma S**, Goyal A, Kaur K and Kaushal S, *Curr. Org. Chem.* **2019**, 23, 1-24.(Impact factor=2.157)
8. **Activities other than teaching:** Member of rotaract club of the college