

List of Publications

1. Dash S, Kini SG, **Sharma A***. MraY: An Emerging Therapeutic Target in Bacterial Peptidoglycan Biosynthesis for The Discovery of Novel Antibiotics from Natural and Synthetic Origin. **European Journal of Medicinal Chemistry**. 2025 (Accepted on 01-10-2025). (*corresponding author)
2. Dash S, Kini SG, **Sharma A***. Bisquinoline as a Promising Scaffold in Anti-Infective Drug Discovery: The Current State of the Art and Future Prospects. **Expert Opinion on Drug Discovery** (Accepted on 22-July-2025).
3. **Sharma Amit**, Sonali J. Jain, Prabhat Nath Jha, Santosh Rudrawar, Sandip B. Bharate and Hemant R. Jadhav. "Unfolding the potential of pyrrole- and indole-based allylidene hydrazine carboximidamides as antimicrobial agents." **ACS Infectious Diseases**, (2025), Published on 13-Jan-2025.
4. **Sharma Amit**, Santosh Rudrawar, Sandip B. Bharate and Hemant R. Jadhav. "Recent advancements in the therapeutic approaches for Alzheimer's disease treatment: Current and future perspective." **RSC Medicinal Chemistry** (2025).
5. **Sharma Amit**, Santosh Rudrawar, Ankita Sharma, Sandip B. Bharate and Hemant R. Jadhav*. " Design, synthesis, *in-silico*, and *in-vitro* evaluation of pyrrol-2-yl-phenyl allylidene hydrazine carboximidamide derivatives as AChE/BACE 1 dual inhibitors." **RSC Advances**, (2024), 14, 26703-26722.
6. **Sharma Amit**, Santosh Rudrawar, Ankita Sharma, Sandip B. Bharate and Hemant R. Jadhav*. "Unveiling the potential of novel indol-3-yl-phenyl allylidene hydrazine carboximidamide derivatives as AChE/BACE 1 dual inhibitors: A combined *in-silico*, synthesis and *in-vitro* studies." **RSC Advances**, (2024),14, 23853-23872.
7. **Sharma Amit**, Santosh Rudrawar, and Hemant R. Jadhav*. "Butadiene Sulfone-catalyzed Monobromination of Arenes with NBS as the Bromination Source: A Simple, Mild, Efficient, and Chemoselective Protocol." **Letters in Organic Chemistry** 21, no. 2 (2023): 201-208.
8. **Sharma Amit**, Jadhav R. Hemant*, Rai Anubhav, Lakkaniga Rajiv Naga, Chandramoorthy C. Harish, Kamli Mohammed Hossam, Alshahrani Y. Mohammad and Rajagopalan Prasanna. "A Comprehensive Review of Systemic Targeted Therapies in Cancer Treatment." **Current Cancer Therapy Reviews** (2023): 19.
9. Chattaraj Bornika, Arijit Nandi, Anwesha Das, **Amit Sharma**, Yadu Nandan Dey*. "Inhibitory activity of *Enhydra fluctuans* Lour. on calcium oxalate crystallisation through *in-silico* and *in- vitro* studies." **Frontiers in pharmacology** 13 (2023): 982419.
10. Chattaraj Bornika, Arijit Nandi, Anwesha Das, **Amit Sharma**, Soumya Mitra, and Yadu Nandan Dey*. "Network pharmacology and molecular modelling study of *Enhydra fluctuans* for the prediction of the molecular mechanisms involved in the amelioration of nephrolithiasis." **Journal of Biomolecular Structure and Dynamics** (2023): 1-11.