

## Publication (Peer Reviewed/Indexed Journals)

1. V. K. Vashistha, **N. Verma**, R. Kumar, I. Tyagi, A. Gaur, R. Bala, Enantioseparation of linezolid and tedizolid using validated high-performance liquid chromatographic method, *Chirality*, 2022, 34, 1044, ISSN No. 0899-0042.
2. L. Kumar, **N. Verma**, H. Sehrawat, R. Tomar, R. Kumar and R. Chandra, Successive oxidation–condensation reactions using a multifunctional gold-supported nanocomposite (Au/MgCe–HDO), *New J. Chem.*, 2022, 46, 3472 ISSN No. 1144-0546.
3. **N. Verma**, Shaily, Chauhan K., Kumar S., “Benzofuran-3(2H)-ones Derivatives: Synthesis, Docking and Evaluation of Their in vitro Anticancer Studies”, *Advances in Intelligent Systems and Computing (AISC)*, Springer, Proceedings of International Conference on Trends in Computational and Cognitive Engineering, TCCE-2019, 2020, Pages 317-325. ISSN: 2194-5357
4. **N. Verma**, V. Kundi, N. Ahmed, Piperidine-mediated annulation of 2-acylphenols with 4-nitrobenzaldehyde to 3-Benzofuranones, *Tetrahedron Lett.*, 2015, 56, 4175.
5. **N. Verma**, S. Kumar, N. Ahmed, A facile access to novel heterocyclic analogues of chalcone from newly synthesized ketone containing isoxazole and a benzoxazinone, *RSC Adv.*, 2016, 6, 51183-51191.
6. **N. Verma**, S. Kumar, N. Ahmed, Asymmetric Synthesis of 3-Benzofuranones through 5-Exo-trig Cyclization of 4-Nitroaryl Olefins, *Tetrahedron Lett.*, 2016, 57, 3547-3550.
7. **N. Verma**, S. Kumar, N. Ahmed, LiBr/ $\beta$ -CD/IBX/H<sub>2</sub>O-DMSO: a new approach for one pot biomimetic regioselective ring opening of chalcone epoxides to bromohydrins and conversion to 1,2,3-triketones, *Synthetic Communications*, 2017, 47, 1110-1120.
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9. S. Kumar, **N. Verma**, N. Ahmed, Microwave assisted highly efficient one-pot multi-component synthesis of novel 2-(tetrasubstituted-1H-pyrrol-3-yl)-4H-chroman-4-ones catalyzed by heterogeneous reusable silica gel supported polyphosphoric acid (PPA/SiO<sub>2</sub>), *J. Saudi. Chem. Soc.* 2016, doi.org/10.1016/j.jscs.2016.01.005. (Accepted)
10. S. Kumar, **N. Verma**, I. Parveen, and N. Ahmed, A Green, Solvent-Free, Microwave-Assisted, High-Yielding YbCl<sub>3</sub> Catalyzed Deprotection of THP/MOM/Ac/Ts Ethers of Chalcone Epoxide and 2'-Aminochalcone and Their Sequel Cyclization, *J. Heterocyclic Chem.*, 2016, 53, 2111.
11. S. Kumar, **N. Verma**, N. Kumar, A. Patel, P. Roy, V. Pruthi, N. Ahmed, Design, Synthesis, Molecular docking and Biological studies of Novel Phytoestrogen-Tanaproget hybrids, *Synthetic Communications*, 2016, 46, 460-474.
12. S. Kumar, N. K. Konduru, **N. Verma**, N. Ahmed,  $\beta$ -Cyclodextrin in Water: Highly Versatile and Green Approach for Biomimetic Regioselective Ring Opening of Chalcone Epoxides with Nitrogen Heterocycles, *Synthetic Communications*, 2015, 45, 2555-2566.
13. S. Kumar, **N. Verma**, N. Ahmed, Design and synthesis of novel non-steroidal Phytoestrogen based probes as potential biomarker, evaluation of anticancer activity and docking studies, *J. Heterocyclic Chem.*, 2017, 54, 2242-2257.
14. **Chapter 8: Synthetic Advances in the Indane Natural Product Scaffolds as Drug Candidates**, Book Name: *Studies in Natural Products Chemistry, Bioactive Natural Products/Elsevier*, 2016, 51, 383-434.

15. Pranshul Sethi, Avijit Choudhury, **Nishant Verma**, Rajesh J. Mandade, Sameer H.Lakade, Mojahidul Islam, Nakul Gupta, Ishan Sharma, Pallavi Tiwari Sharma, Rajesh Kumar Sharma, APPARATUS FOR MEASUREMENT OF ANXIETY IN RODENTS, Patent No. 397472-001, 12.10.2023