

**LIST OF  
RESEARCH  
PUBLICATIONS**

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## List of Publications

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**Verma, P.**, S. Pal, S. Chauhan, A. Mishra, I. Sinha, S. Singh and V. Srivastava, “Starch functionalized magnetite nanoparticles: A green, biocatalyst for one-pot multicomponent synthesis of imidazopyrimidine derivatives in aqueous medium under ultrasound irradiation,” *Journal of Molecular Structure*, **1203** (2020) 127410.

**Verma, P.**, A. Mishra, S. Chauhan, S. Singh and V. Srivastava, “DABCO Catalyzed Synthesis of  $\beta$ -Hydroxy Ketones Derived from  $\alpha$ -Methyl Ketones and Ninhydrin under Microwave Irradiations,” *ChemistrySelect*, **4(19)** (2019) 5394-5397.

**Verma, P.**, Kavita, D.K. Verma, B. Kumar, A.K. Singh, N. Shukla, V. Srivastava and R.B. Rastogi, “Tetrahydropyrazolopyridines as antifriction and antiwear agents: experimental and DFT calculations,” *RSC Advances*, **10(17)** (2020) 10188-10196.

Chauhan, S., **P. Verma**, J. Kandasamy and V. Srivastava, “A Practical Synthesis of 3-Functionalized Coumarins from o-Cresols and Active Methylene Compounds under Metal and Catalyst-Free Conditions Using tert-Butyl Hydrogen Peroxide,” *ChemistrySelect*, **5(29)** (2020) 9030-9033.

Chauhan, S., **P. Verma**, A. Mishra and V. Srivastava, “An Expedient Ultrasound-Initiated Green Synthesis of 1, 2, 4-Thiadiazoles in Water,” *Chemistry of Heterocyclic Compounds*, **56(1)** (2020) 123-126.

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Verma, C., A. Mishra, S. Chauhan, **P. Verma**, V. Srivastava, M.A. Quraishi and E.E. Ebenso, “Dissolution of cellulose in ionic liquids and their mixed cosolvents: A review,” *Sustainable Chemistry and Pharmacy*, **13** (2019) 100162.

Mishra, A., S. Chauhan, **P. Verma**, S. Singh and V. Srivastava, “TBHP-Initiated Transamidation of Secondary Amides via C–N Bond Activation: A Metal-Free Approach,” *Asian Journal of Organic Chemistry*, **8(6)** (2019) 853-857.

Chauhan, S., P. Chaudhary, A.K. Singh, **P. Verma**, V. Srivastava and J. Kandasamy, “tert-Butyl nitrite induced radical dimerization of primary thioamides and selenoamides at room temperature,” *Tetrahedron Letters*, **59(3)** (2018) 272-276.

Verma, A.D., S. Pal, **P. Verma**, V. Srivastava, R.K. Mandal and I. Sinha, “Ag-Cu bimetallic nanocatalysts for p-nitrophenol reduction using a green hydrogen source,” *Journal of environmental chemical engineering*, **5(6)** (2017) 6148-6155.

**Verma, P.**, S. Chauhan, S. Singh and V. Srivastava, “Urea Hydrogen Peroxide Initiated Synthesis of Pyranopyrazoles through Oxidative Coupling under Base and Metal Free Conditions by Physical Grinding Method,” *ChemistrySelect*, (Communicated)

**Verma, P.**, S. Chauhan, S. Singh and V. Srivastava, “Developing a Sustainable Metal and Catalyst-Free Chemoselective Synthesis of Fused Heterocycles under Controlled Reaction Conditions via Solid-State Oxidative Cyclization,” *Tetrahedron Letters*, (Communicated)