

Dr. Vishwas Khurana

Assistant Professor

Qualification: M. Sc., Ph.D. (Organic Chemistry), NET, GATE

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Research Areas: Synthetic organic chemistry particularly of heterocyclic compounds using hypervalent iodine reagents.

Publications:

- Prakash, O., Batra, A., **Chaudhri, V.** and Prakash, R. 2005. Use of [hydroxy(tosyloxy)iodo] benzene in a novel and facile synthesis of 1,4-diaryl-2(arylamino)but-2-ene,1,4-diones. *Tetrahedron Lett* 46 (16), 2877-2878. ISSN no. 0040-4039. Impact Factor-2.3.
- Aggarwal, R., Pundeer, R., Kumar, V., **Chaudhri, V.**, Singh, S. P. and Prakash, O. 2004. A facile synthesis of thiazole-2(3H)-thiones through [hydroxy(tosyloxy)iodo] benzene. *Synthetic Commun* 34(14), 2659-2664. ISSN No. (print) 1532-2432 (web). Impact Factor – 1.439 (Online).
- Prakash, O., **Chaudhri, V.** and Kinger, M. 2005. Use of iodosobenzene in combination with Vilsmeier-Haack reagent in carbon-carbon bond cleavage of dehydroacetic acid and its analogue. *Synthetic Commun* 35(21), 2819-2821. ISSN No. 0039-7911 (print) 1532-2432 (web). Impact Factor - 1.439.
- Pundeer, R., **Chaudhri, V.**, Kinger, M. and Prakash, O. 2007. Regeneration of carbonyl group in the hypervalent iodine oxidation of carbonyl derivatives of dehydroacetic acid and its analogues. *Indian J Chem* 46B(5), 834-837. Impact Factor-.483. ISSN No.- 0975-0983 (Online)
- Prakash, O., Pundeer, R. and **Chaudhri, V.** 2004. Organoiodine (III) mediated one pot synthesis of N-substituted 2-aminothiazoles. *J Indian Chem Soc* 81, 786-788. ISSN no. 0019-4522. Impact Factor-.16.
- Prakash, O., **Khurana, V.** and Pundeer, R. 2016. Regioselective synthesis of some new 5-(4-aryl-2-oxobut-3-enyl)-3-methyl-1-(6-substituted benzothiazol-2-yl) pyrazoles from aryloct-7-en-2,4,6-triones. *Indian J Het Chem* 26(3 & 4), 133-139. ISSN No. - 0971-1627. Impact Factor- .339.

- Prakash, O., Moriarty, R. M., **Chaudhri, V.**, Pannu, K. and Pundeer, R. 2017. First report of the isolation of novel oxiranes in the I(III) mediated oxidation of 1-(4-nitrophenyl)-3-arylprop-2-en-1-ones. *Indian J Het Chem* 27(4), 327-328. ISSN No. - 0971-1627. Impact Factor- .339.
- Pundeer, R. and Chaudhri, V. 2021. Synthesis of N-aminoimidazol-2-thione derivatives using tandem approach. *Indian J Chem* 60B, 983-985.
- Pooja Ranjan, Richa Prakash , Vishwas Chaudhri, Rashmi Pundeer. 2021. Hypervalent Iodine(III)-Mediated Monochlorination of Pyrazolyl Chalcone Analogs. *Indian J Het Chem* 31, 223-226.
- Vishwas Chaudhri, Richa Prakash and Rashmi Pundeer. 2022. Advances in the Arena of 1-(4-hydroxy-6-Methyl-2H-Pyran-2-On-3-yl)- 3-Arylpropenone: Preparation, Reactivity and Transformations. *Letters in organic chemistry* 19(2), 93-110.

Awards and Fellowships:

- National Merit Scholarship Award.
- NET (July, 2001)
- GATE (March, 2001)
- URS (University Research Scholarship) and JRF (DRDO)

International/ National conferences/Seminars/ Workshops participation:

- International Conference on Innovations in Chemistry for Sustainable Development (ICSD-2011).
- National Conference on Recent Advances in Chemistry and their Impact on Environment (NCRACE-2012).
- International Conference on Recent Advances in Chemical Sciences (Novel Molecules for Diagnosis and Therapeutics) (ICRACS-2013).
- National Conference on Global Challenges. New Frontiers in Chemical Sciences (GC-NFCS-2012).
- International Conference on Innovations in Chemical, Biological & Environmental Sciences (Science and Technology for a Sustainable Future) ICICBES-2019.
- 2021 (5)
- 2022 (4)

Membership

- Life time membership of Indian Science Congress (ISC) L38896