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## Research Publications

1. **Pravin Kharade**, Dipak Gaikwad, Satish Kadam, Santosh Chobe, Uttam Chougale, Sneha Rochlani, Savita Desai. [DMAP-DABCO]AcO as a basic ionic liquid for ultrasound assisted domino synthesis of Namino-2-pyridone derivatives and their molecular docking study. *Research on Chemical Intermediates*. **IF – 3.4**
2. Kajal Patil, **Pravin Kharade**, Pravin Dongare, Sachin Mane, Dhanaji Kanase. GO@nano-Fe<sub>3</sub>O<sub>4</sub> nanocomposite driven green synthesis of 1,8-octahydroxanthene derivatives: Anti-inflammatory, antibacterial, molecular docking, DFT, ADME(T) and pharmacokinetics studies. *Communicated to Journal of Molecular Structure*. **IF – 4.7**
3. Satish S. Kadam, Dipak S. Gaikwad, **Pravin R. Kharade**, Sarita D. Shinde, Prafulla B. Choudhari, Deepak Mahuli, Savita S. Desai. Green synthesis of NiO nanoparticles using Magnolia champaca flower extract for the synthesis of 3,4-disubstituted isoxazole-5(4H)-ones with Molecular docking, DFT, ADME(T) and Anticancer Evaluation Study. *Communicated to Chemistry Africa*. **IF – 2.2**
4. Sujit R. Bhat, **Pravin R. Kharade**, Rupali S. Shirsath, Yogesh A. Tayade. Synthesis, Anti-inflammatory Activity, Molecular Docking and ADMET Study of Pyrazolo-phthalazine Derivatives. *Communicated to ChemistrySelect*. **IF – 2.4**
5. Satish S. Kadam, Dipak S. Gaikwad, **Pravin R. Kharade**, Rutika P. Patil, Prafulla B. Choudhari, Savita S. Desai. In vitro anti-inflammatory activity and molecular docking study of pyranopyrazole derivatives synthesized using basic ionic liquid. *Journal of the Iranian Chemical Society*, 2025. **IF. 2.2**
6. **Pravin Kharade**, Dipak Gaikwad, Sanket Rathod, Uttam Chougale, Satish Kadam, Kiran Patil, Prafulla Choudhari, Savita Desai. Assessing [DMAP-DABCO]AcO as an effective dual basic ionic liquid for the synthesis of chromeno[2,3-*d*]pyrimidine derivatives and exploring their anti-cancer activity through computational analysis. *Journal of Molecular Liquids*, **416**, 2024, 126484. ISSN - 0167-7322. **IF. 5.3**

7. **Pravin R. Kharade**, Uttam B. Chougale, Dipak S. Gaikwad, Satish S. Kadam, Sanket S. Rathod, Prafulla B. Choudhari, Savita S. Desai. Synthesis and in vitro evaluation of tetrahydropyridines as potential CDK2 and DprE1 inhibitors. *Research on Chemical Intermediates*, **50**, 2024, 1778-1808. **IF. 3.3**

8. **Pravin. R. Kharade**, Uttam. B. Chougale, Satish. S. Kadam, Kiran. N. Patil, Prakash S. Pawar, Savita. S. Desai. Microwave-Assisted Synthesis of Pyrazole and Its Hybrid Scaffolds as Potent Biological and Pharmacological Agents: A Short Review. *Journal of Shivaji University: Science and Technology*, **49** (2), 19-35.

9. Vivek S. Ingale, Kiran N. Patil, Pankaj S. Dafale, Deepak A. Kumbhar, **Pravin R. Kharade**, Uttam B. Chougale. One pot multicomponent synthesis of highly functionalized tri-substituted imidazole derivatives using TiO<sub>2</sub>-rGO nanocomposite as a recyclable catalyst. *Chemical Data Collections*, **47**, 2023, 101075. ISSN - 2405-8300.

10. **Kharade P. R.**, Chougale U. B., Patil K. N. and Desai S. S. An overview of synthesis of different bioactive heterocycles using ionic liquids. *Aayushi International Interdisciplinary Research Journal*. Special Issue August 2022, 22-25. ISSN- 2349-638x. **IF: 7.149**.

11. **P. R. Kharade**, U. B. Chougale, K. N. Patil, S. R. Dhongade. Liquid Assisted Grinding as Environmentally benign protocol for synthesis of 6-amino-3-methyl-4-phenyl-1,4-dihydropyrano [2,3-*c*] pyrazole-5-carbonitrile. *Research Journal Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences*. Special Issue. RTPAS- 2022. 15-22. ISSN: 2454-6348.