

## RESEARCH PUBLICATIONS

### DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

1. Pawar V, Shastri LA, Gudimani P, Joshi S, Kumbar VM, Sunagar V. Rational design, synthesis and SAR study of novel warfarin analogous of 4-hydroxy coumarin-beta-aryl propanoic acid derivatives as potent anti-inflammatory agents. *Journal of Molecular Structure*. 2022 Apr 15; 1254:132300.
2. Bayannavar PK, Kamble RR, Joshi SD, Nesaragi AR, Shaikh SK, Sudha BS, Dodamani SS, Hoolageri SR. Design and synthesis of angiotensin converting enzyme (ace) inhibitors: Analysis of the role of tetrazole ring appended to biphenyl moiety. *ChemistrySelect*. 2022 Jan 17; 7(2):e202103336.
3. Nesaragi AR, Kamble RR, Bayannavar PK, Metre TV, Kariduraganavar MY, Margankop SB, Joshi SD, Kumbar VM. Microwave facilitated one-pot three component synthesis of coumarin-benzoxazole clubbed 1, 2, 3-triazoles: Antimicrobial evaluation, molecular docking and in silico ADME studies. *Synthetic Communications*. 2021 Nov 17;51(22):3460-72.
4. Marganakop SB, Kamble RR, Sannaikar MS, Bayannavar PK, Kumar SM, Inamdar SR, Shirahatti AM, Desai SM, Joshi SD. SCXRD, DFT and molecular docking based structural analyses towards novel 3-piperazin-1-yl-benzo [d] isothiazole and 3-piperidin-4-yl-benzo [d] isoxazoles appended to quinoline as pharmacological agents. *Journal of Molecular Structure*. 2022 Jan 15; 1248:131442.
5. Kamble RR, Shrinivas DJ, "WELPSA: A natural catalyst of alkali and alkaline earth metals for the facile synthesis of tetrahydrobenzo[b]pyrans and pyrano [2, 3-d] pyrimidinones as inhibitors of SARS-CoV-2". *Appl Organomet Chem*. 2021.
6. Desai V, Shrinivas D, Joshi Assessment of elementary derivatives of 1, 5-benzodiazepine as anticancer agents with synergy potential. *Bioorg Chem*. 2021.
7. Kattimani PP, Kamble RR, Nesaragi AR, Kariduraganavar MY, Joshi SD, Dodamani SS et al. Jalalpure Novel pyrazole derivatives via ring transformations: antiinflammatory and antifungal activity studies. *Synth Commun*. 2021; 51(20):3125-40.
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9. Nesaragi AR, Kamble RR, Dixit S, Kodasi B, Hoolageri SR, Bayannavar PK et al. Green synthesis of therapeutically active 1,3,4-oxadiazoles as antioxidants, selective COX-2 inhibitors and their *in silico* studies. *Bioorg Med Chem Lett.* 2021; 43:128112.
10. Holiyachi M, Shastri SL, Chougala BM, Naik NS, Pawar V, Shastri LA et al. Design and synthesis of new series of dipyrromethane-coumarin and porphyrin-coumarin derivatives: excellent anticancer agents. *J Mol Struct.* 2021; 1237:130424.
11. Nesaragi AR, Kamble RR, Bayannavar PK, Shaikh SK J, Hoolageri SR, Kodasi B et al. Microwave assisted regioselective synthesis of quinoline appended triazoles as potent antitubercular and antifungal agents via copper (I) catalyzed cycloaddition. *Bioorg Med Chem Lett.* 2021.
12. Kumbar SS, Shettar A, Joshi SD, Patil SA. Design, synthesis, molecular docking, and biological activity studies of novel coumarino-azetidinones. *J Mol Struct.* 2021; 1231:130016.
13. Patil M, Noonikara-Poyil A, Joshi SD, Patil SA, Patil SA, Lewis AM et al. Synthesis, molecular docking studies, and *in vitro* antimicrobial evaluation of piperazine and triazolo-pyrazine derivatives. *Mol Divers.* 2022; 26(2):827-41.
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17. Nadaf AQA, Gaonkar S, Mantur S, Najare MS, Yaseen M, Sunagar MG et al. Synthesis of 2-chloro-N-(4-(6-chloroH-imidazo[1,2-a] pyridin-2-yl)phenyl) acetamide derivatives as antitubercular Agents. *Chem Select.* 2020; 5:14422-9.
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