

Patents Granted:

1. Ahmed Kamal, Arutla Viswanath, Jayanti Naga Srirama Chandra Murthy, Farheen Sultana, Gadupudi Ramakrishna; **Inshad Ali Khan**, Nitin Pal Kalia. Phenyl nitrofurfuryl linked piperidino-oxadiazolone conjugates as anti-tubercular agents and process for the preparation thereof. (filled on 20-12-2011, US patent no.9108960 B2 granted on 18-08-2015)
2. Kamal, A.; Shetti, V.C.R.N.C.R.; Swapna, P.; Shaik Azeeda, S.; Reddy, A.M.; **Khan, I.A.**; Abdullah, S.T.; Sharma, S.; and Kalia, N.P.; Synthesis of benzothiazole derivatives as potential anti-tubercular agents. (filled on 14-09-2011, US927303932 B2 published on 01-05-2016)
3. Kamal, A.; Azeeda, S.; Ali, S.A.; Shaheer, M.M.; **Khan, I.A.**; Abdullah, S.T.; Sharma, S.; and Ram, A.B.; A process for the synthesis of new quinolyloxy piperazine substituted congeners of thiolactomycin as anti-tubercular antibiotics. (filled on 06-05-2010, WO 2011/138666 A1 granted on 10-11-2011)
4. Subramanyam R., Du Thumm L., Qazi, G.N., **Khan I.A.**, Suri, K.A., Satti, N.K., Ali, F., Kalia, N.P. Chalcones as Enhancer of Antimicrobial Agents. (filled on 18-12-2009 WO /2011/075136 A1, granted on 23-06-2011, US 9192589 B2 granted on 24-11-2015)
5. Koul, S.; Niranjana, T.; Reddy, M.V.; Sangwan, P.L.; Taneja, S.C.; **Khan, I.A.**; Kumar, A.; Raja, A.F.; Saxena, A.K.; Agrawal, S.K.; Johri, R.K.; Abdullah, T.S.; Singh, G.; Rao, B.L.N.; Dhar, A.K.; Purnima, B.; and Qazi, G.N. Preparation of novel efflux pump inhibitors. (WO/2009/110002 granted on 11-09-2009)
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Publications :

1. Fatima Naaz, Arif Khan, Anchala Kumari, Intzar Ali, Faiz Ahmad, Bilal Ahmad Lone, Nazia Ahmad, **Inshad Ali Khan**, Vikrant Singh Rajput, Abhinav Grover, Syed Shafi (2021). 1,2,3-oxadiazole conjugates of capsaicin as potent NorA efflux pump inhibitors of *Staphylococcus aureus*. *Bioorganic Chemistry*. 113 DOI: 10.1016/j.bioorg.2021.105031 (IF= 4.83)
2. Diksha Raina, Harshita Tiwari, Smriti Sharma, Deepika, Chinthakindi PK, Amit Nargotra, Pyare L Sangwan, Kandasamy Eniyan, Urmi Bajpai, Ram A Vishwakarma, Farrah Gul Khan*, Saurabh Saran, **Inshad Ali Khan*** (2021). Screening of compound library identifies novel inhibitors against the MurA enzyme of *Escherichia coli*. *Appl Microbiol Biotechnol*. May;105(9):3611-3623. (IF=3.5)
3. Varun Pratap Singh, Anup Singh Pathania, Manoj Kushwaha, Samsheer Singh, Vandana Sharma, Fayaz A. Malik, **Inshad Ali Khan**, Anil Kumar, Deepika Singh, & Ram A Vishwakarma. (2020). 14-Residue peptaibol velutibol A from *Trichoderma velutinum*: its structural and cytotoxic evaluation. *RSC Advances*. 10(52): 31233-31242 (IF=3.07)
4. Smriti Sharma, Rahul Bhat, Rohit Singh, Sumit Sharma, Priya Wazir, Parvinder Pal Singh, Ram A Vishwakarma, **Inshad Ali Khan*** (2020). High-throughput screening of compounds library to identify novel inhibitors against latent *Mycobacterium tuberculosis* using streptomycin-dependent *Mycobacterium tuberculosis* 18b strain as a model. *Tuberculosis*. 124: 101958. (IF=2.57)
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6. Kandasamy Eniyan, Jyoti Rani, Srinivasan Ramachandran, Rahul Bhat, **Inshad Ali Khan**, Urmi Bajpai (2020) Screening of antitubercular compound library identifies inhibitors of Mur Enzymes in *Mycobacterium tuberculosis*. *SLAS Discovery*. 25(1):70-78. (IF=2.35)
7. **Inshad A Khan***, Amrinder Singh, Durga P Mindala, Samdarshi Meena, Bhavana Vij, Arvind K Yadav, Sumit Roy, Utpal Nandi, Anil K Katare, Sundeep Jaglan, Deepika Singh, Ajai P Gupta, Praseon Gupta, Surjeet Singh, Manoj K Tikko, Gurdarshan Singh, Ram A Vishwakarma* (2019) Preclinical development of gastro-protective botanical candidate from *Woodfordia fruticosa* (Linn) Kurz: Chemical standardization, efficacy, pharmacokinetics and safety pharmacology. *Journal of Ethnopharmacology*. 241: Article no 1120 (IF=3.41)
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9. Asmita Magotra, Anjna Sharma, Samsheer Singh, Probir Kumar Ojha, Sunil Kumar, Naveen Bokolia, Priya Wazir, Shweta Sharma, **Inshad Ali Khan**, Parvinder Pal Singh,

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1. Antimicrobial, Antimycobacterial and Antibiofilm Properties of *Couroupita guianensis* Aubl. Fruit Extract

Naif Abdullah Al-Dhabi, Chandrasekar Balachandran, Michael Karunai Raj, Veeramuthu Duraipandiyar, Chinnasamy Muthukumar, Savarimuthu Ignacimuthu, Inshad Ali Khan, and Vikrant Singh Rajput

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Editors: S.M. Abu Sayem

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2. *Colebrookea oppositifolia* Sm, An important hepato-protective phytopharma plant in drug discovery

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A chapter in the book “Plants for Human Survival and Medicine, pp55-82 (New India Publishing Agency, New Delhi, India)

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4. Regulations for Health Care Biotechnology Products in Major Markets of the World

*Durga Prasad Mindala, Yashbir S. Bedi, Satish Kumar Gupta, Sumit G. Gandhi and Inshad Ali Khan**

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