

Research Papers:

1. **Kamlesh Sharma**, Carbohydrate-to-hydrogen production technologies: A mini-review. *Renewable and Sustainable Energy Reviews*, **2019**, 105, 138-143.
2. **Kamlesh Sharma**, Cholinesterase inhibitors as Alzheimer's therapeutics, *Molecular Medicine reports* **2019** Jun; 1479-87.
3. **Kamlesh Sharma**, Unraveling the mechanism of tricyclic bis-spiroketal formation from diyne diol by DFT study, *Letters in Organic Chemistry*, **2019**, 16, 393-395.
4. Salman A. Khana, Abdullah M. Asiri, Hadi Mussa Basisi, Mohammad Asad, Mohie E.M. Zayed, **Kamlesh Sharma**, Mohmmad Younus Wani, Synthesis and evaluation of Quinoline-3-carbonitrile derivatives as potential antibacterial agents, **Bioorganic Chemistry** 88 (2019) 102968.
5. Salman A. Khan , Abdullah M. Asiri, Najat S.M. Al-Ghamdi, Mohammad Asad, Mohie E.M. Zayed, Shabaan A.K. Elroby, Faisal M. Aqlan, Mohmmad Y. Wani, **Kamlesh Sharma**, Microwave assisted synthesis of chalcone and its polycyclic heterocyclic analogues as promising antibacterial agents: In vitro, in silico and DFT studies. *Journal of Molecular Structure* 1190 (2019) 77-85.
6. Salman A. Khan, Abdullah M. Asiri, Mohie E. M. Zayed, Humaira Parveen, Faisal M. S. Aqlan, **Kamlesh Sharma**, Microwave-assisted Synthesis, Characterization, and Density Functional Theory Study of Biologically Active Ferrocenyl Bis-pyrazoline and Bis-pyrimidine as Organometallic Macromolecules. *Journal of Heterocyclic Chemistry*, **2019**, 56, 312-318.
7. **Kamlesh Sharma**, A Review on Pf-PFT Inhibitors as Antimalarial Drug Targets, *Current Drug Targets*, **2017**, 18, 1676-1686.
8. Salman A. Khan, Abdullah M. Asiri, Najat Saeed M. Al-Ghamdi, Mohie E.M. Zayed, **Kamlesh Sharma**, Humaira Parveen, Optical properties of novel environmentally benign biologically active ferrocenyl substituted chromophores: A detailed insight via experimental and theoretical approach, *Journal of Molecular Structure*, **2017**, 1139, 137-148.
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10. Salman A. Khan, Abdullah M. Asiri, & **Kamlesh Sharma**, Efficient microwave assisted synthesis and computational study of isoxazole Schiff base as an antibacterial agent, *Indian Journal of Chemistry, Sec. B*, **2017**, *56B*, 453-457.
11. Abdullah M Asiri, Salman A Khan, Hadi M. Marwani, **Kamlesh Sharma**, Microwave assisted synthesis, characterization, physicochemical and single crystal X-ray studies of novel push-pull chromophores, *Journal of Fluorescence*, **2015**, *25*, 1585–1593.
12. Salman A. Khan, Abdullah M. Asiri, Sanjay Kumar, and **Kamlesh Sharma**, One Pot Synthesis, Photophysical and X-ray Studies of Novel Highly Fluorescent Isoquinoline Derivatives with Higher Antibacterial Efficacy Based on the In-vitro and Density Functional Theory, *Journal of Fluorescence*, **2015**, *25*, 503-518.
13. Salman A. Khan, Abdullah M. Asiri, Sanjay Kumar, and **Kamlesh Sharma**, Green synthesis, antibacterial activity and computational study of pyrazoline and pyrimidine derivatives from 3-(3,4-dimethoxy-phenyl-1-(2,5-dimethyl-thiophen-3-yl)-propenone, *European Journal of Chemistry*, **2014**, *5*, 85-90.
14. Salman Ahmad Khan, Abdullah Mohamed Asiri, Abdulrhim Alabbas Basheike and **Kamlesh Sharma**, Green synthesis of novel pyrazole containing schiff base derivatives as antibacterial agents on the bases of *in-vitro* and DFT, *European Journal of Chemistry*, **2013**, *4*, 454-458.
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