

## RESEARCH

### LIST OF PAPER PUBLICATIONS

1. "A theoretical evaluation of electronic structure analysis of 5-(4-chlorophenyl)-1H-tetrazole using DFT method", **Indian Journal of Science**, 2015, 12(35), 73-77.
2. "Vibrational spectroscopic (FT-IR, FT-Raman and NMR) and DFT analysis of 2-methoxy-3-(trifluoromethyl) pyridine", **J.Chem. Pharm. Res.**, 2015, 7(7):1172-1183.
3. "Spectroscopic studies and molecular structure investigation on 2-chloro-4-(trifluoromethyl) pyridine: A combined experimental and DFT analysis", **Der PharmaChemica**, 2015, 7 (9):110-121.
4. "Theoretical calculation of molecular structure, vibrational spectra, and molecular electrostatic potential of metolazone", **Journal of Applied Spectroscopy**, Vol. 83, No. 1, March, 2016.
5. "Vibrational spectroscopic (FT-IR, FT-Raman), NMR and electronic structure calculations of metaxalone", **Der Pharma Chemica**, 2016, 8 (7):161-172.
6. "Spectral analysis and quantum chemical calculations of 4-(2-keto-1-benzimidazolyl) piperidine", **Der Pharma Chemica**, 2016, 8(14):89-99.
7. "Spectroscopic characterization and DFT exploration of 2-(4-methoxybenzyloxy)-4-methyl quinoline", **Der Pharma Chemica**, 2016, 8(15):187-197.
8. "Application of Fourier Transform Infrared (FTIR) Spectroscopy on Human Hair", **International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)**, 2021, 10(3), 2213-2218.