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List of Publications :



1. Sheeba Sherlin, Y, Vijayakumar, T, Binoy, J, Roy, SDD & Jayakumar, VS, 2018, 'Büchi's model based analysis of local anesthetic action in procaine hydrochloride: Vibrational spectroscopic approach', Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, vol.205, pp. 55-65, ISSN: 13861425. IF - 2.880., UGC serial number -33571
2. Sheeba Sherlin, Y, Vijayakumar, T, Roy, SDD & Jayakumar, VS, 2018, 'Vibrational Spectral Investigations and Bio-Markers of Bronchodilatic Drug 1,3-dimethylxanthine', Journal of Applied Science and Computations, (Accepted for Publication), ISSN: 10765131, UGC serial number - 41238
3. Sheeba Sherlin, Y, Vijayakumar, T, Roy, SDD & Jayakumar, VS, 2018, 'Molecular docking and spectroscopic investigations aided by density functional theory of

- Parkinson's drug 2-(3,4-dihydroxyphenyl)ethylamine', AIP Conference Proceedings, vol.1966, pp. 020041 (1-6), ISSN: 0094243X 0970 4620, e-ISSN 15517616, UGC serial number - 48438
4. Sheeba Sherlin, Y, Vijayakumar, T, Roy, SDD & Jayakumar, VS, 2015, 'Density functional theory and vibrational spectral analysis of a local anesthetic drug 2-diethylaminoethyl p-aminobenzoate', Materials Today: Proceedings, vol.2, pp. 909-912, ISSN: 22147853, UGC serial number - 49021
  5. Sheeba Sherlin, Y, Vijayakumar, T, Roy, SDD & Jayakumar, VS, 2008, 'NIR FT-Raman, FT-IR and Quantum Chemical Computations of an Anti-inflammatory Drug 2-Ethoxybenzamide', AIP Conference Proceedings, vol.1075, pp. 107-110, ISSN: 0094243X 0970 4620, e-ISSN 15517616, UGC serial number - 48438
  6. Y.Sheeba Sherlin, T.Vijayakumar, S.D.D.Roy, V.S.Jayakumar, 2020, Spectral biomarkers, hirshfeld analysis, molecular docking and cytotoxicity of bronchodilatic drug 1,3-dimethylxanthine: A vibrational approach, Materials today proceedings, <https://doi.org/10.1016/j.matpr.2020.03.109>, ISSN: 22147853, UGC serial number - 49021
  7. Sheeba Sherlin, Y, Vijayakumar, T, Binoy, J, Roy, SDD & Jayakumar, VS, 2018, 'Structural, bonding and spectral analysis of an anti-malarial drug 5-(4-chloro phenyl)-6-ethyl-2,4-pyrimidinediamine', Bulletin of Pure and Applied Sciences, vol.37C, pp. 6-11, ISSN: 0970 4620, e-ISSN 2320 320X, UGC serial number - 9583
  8. Sheeba Sherlin, Y, Vijayakumar, T, Binoy, J, Roy, SDD & Jayakumar, VS, 2017, 'Density Functional Theory and Vibrational Spectral Investigations of an anti-Parkinson drug L-3,4-dihydroxyphenylalanine', Journal of Research in Science, vol.3, pp. 77-80, ISSN: 2278-9073

9. Sheeba Sherlin, Y, Vijayakumar, T, Binoy, J, Roy, SDD & Jayakumar, VS, 2017, 'Structural study, Frontier molecular orbital, NBO analysis and Vibrational spectra of an asthmatic drug 1,3-Dimethyl-3,7-Dihydro-1H-Purine-2,6-Dione', International Journal of Latest Trends in Engineering and Technology, 150236426323. MOP-P7, pp. 104-109, ISSN: 2319-3778, e-ISSN:2278-621X
10. Sheeba Sherlin, Y, Vijayakumar, T, Binoy, J, Roy, SDD & Jayakumar, VS, 2014, 'Spectroscopic (FT-Raman, FT-IR), frontier molecular orbital and NBO analysis of an local anesthetic drug 2-(diethylamino)-ethyl-4-aminobenzoate hydrochloride by quantum chemical computations ', Journal of Research in Science, vol.2, pp. 97-99, ISSN: 2278-9073

Project Details : -