

**Name of the faculty** : Dr. Vishnu Ashok Adole (M.Sc., Ph.D., CSIR-JRF, SET, GATE)

**Designation** : Assistant Professor

**Department** : Chemistry

**Name of the College** : Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray Arts, Science and Commerce College,  
Panchavati, Nashik-422003

### Details of Research Publications

| Sr. No. | Title of the paper  | Name of Journal                        | Year of publication | ISSN number | DOI/Online link if any  |
|---------|---|--|---------------------|-------------|---|
| 1.      | DFT Calculations on Three 2,3-Dihydrobenzofuran Linked Chalcones: Structural, HOMO-LUMO and Spectroscopic (UV-Vis and IR) Interpretation  | Vietnam Journal of Chemistry           | 2022                | 2572-8288   | <a href="https://www.scopus.com/sourceid/21101043786">https://www.scopus.com/sourceid/21101043786</a>   |
| 2.      | Visible light prompted and modified ZnO catalyzed rapid and efficient removal of hazardous crystal violet dye from aqueous solution: A systematic experimental study            | Results in Chemistry                   | 2022                | 2211-7156   | <a href="https://doi.org/10.1016/j.rechem.2023.100773">https://doi.org/10.1016/j.rechem.2023.100773</a> |
| 3.      | Reactive Sensing of Gold (III) By Coumarin Tethered Fluorescent Probe Through Alkyne Activation   | Journal of the Indian Chemical Society | 2022                | 0019-4522   | <a href="https://www.scopus.com/sourceid/24097">https://www.scopus.com/sourceid/24097</a>               |
| 4.      | Exploration of photocatalytic performance of TiO <sub>2</sub> , Ni-doped TiO <sub>2</sub> , and Fe-doped TiO <sub>2</sub> for degradation of eosine blue dye: comparative study | Results in Chemistry                   | 2022                | 2211-7156   | <a href="https://www.scopus.com/sourceid/21101024415">https://www.scopus.com/sourceid/21101024415</a>   |
| 5.      | PEG-mediated synthesis, antibacterial, antifungal and antioxidant studies of some new 1,3,5-trisubstituted 2-pyrazolines  | Molecular Diversity                    | 2022                | 1381-1991   | <a href="https://www.scopus.com/sourceid/29053">https://www.scopus.com/sourceid/29053</a>               |
| 6.      | Synthesis, molecular structure, electronic, spectroscopic, NLO and antimicrobial study of N-benzyl-2-(5-aryl-1, 3, 4-oxadiazol-2-yl) aniline derivatives                        | Journal of Molecular Structure         | 2022                | 0022-2860   | <a href="https://www.scopus.com/sourceid/24642">https://www.scopus.com/sourceid/24642</a>               |

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| 7.  | Photocatalytic Degradation of Methylene Blue, Rhodamine B, Methyl orange and Eriochrome Black T Dyes by Modified ZnO Nanocatalysts: A Concise Review   | Inorganic Chemistry Communications                             | 2022 | 1387-7003 | <a href="https://www.scopus.com/sourceid/25267">https://www.scopus.com/sourceid/25267</a>   |
| 8.  | Nano 5% Fe–ZnO: A highly efficient and recyclable heterogeneous solid nano catalyst for the Biginelli reaction   | Journal of the Indian Chemical Society                         | 2022 | 0019-4522 | <a href="https://www.scopus.com/sourceid/24097">https://www.scopus.com/sourceid/24097</a>   |
| 9.  | Fe <sup>3+</sup> modified zinc oxide nanomaterial as an efficient, multifaceted material for photocatalytic degradation of MB dye and ethanol gas sensor as part of environmental rectification                          | Inorganic Chemistry Communications                             | 2022 | 1387-7003 | <a href="https://www.scopus.com/sourceid/25267">https://www.scopus.com/sourceid/25267</a>   |
| 10. | Synthesis, spectral analysis, antibacterial, antifungal, antioxidant and hemolytic activity studies of some new 2, 5-disubstituted-1, 3, 4-oxadiazoles   | Journal of Molecular Structure                                 | 2022 | 0022-2860 | <a href="https://www.scopus.com/sourceid/24642">https://www.scopus.com/sourceid/24642</a>   |
| 11. | Computational Study on Molecular Structure, UV-Visible and Vibrational Spectra and Frontier Molecular Orbital Analysis of (E)-7-((2-Chloroquinolin-3-yl) methylene)-1, 2, 6, 7-tetrahydro-8H-indeno [5, 4-b] furan-8-one | Research Journal of Pharmacy and Technology                    | 2022 | 0974-3618 | <a href="https://www.scopus.com/sourceid/21100197160">https://www.scopus.com/sourceid/21100197160</a>   |
| 12. | Synthesis techniques and applications of rare earth metal oxides semiconductors: A review  | Chemical Physics Letters                                       | 2022 | 0019-2614 | <a href="https://www.scopus.com/sourceid/26586">https://www.scopus.com/sourceid/26586</a>   |
| 13. | Synthesis and characterization of ZnO/CuO nanocomposites as an effective photocatalyst and gas sensor for environmental remediation  | Journal of Inorganic and Organometallic Polymers and Materials | 2022 | 1574-1443 | <a href="https://www.scopus.com/sourceid/4700152855">https://www.scopus.com/sourceid/4700152855</a>   |
| 14. | Photocatalytic Applications of Doped Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Degradation of Methyl Orange and Methylene Blue Dyes: A Review   | Asian Journal of Organic & Medicinal Chemistry                 | 2022 | 2456-8937 | <a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList">https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList</a>                           |
| 15. | PHYSICO-CHEMICAL CHARACTERISTICS OF WATER FROM WAGHDARDI DAM, MANMAD (DIST. NASHIK) AT DIFFERENT SEASONS   | Pollution Research   | 2022 | 0257–8050 | <a href="http://www.envirobiotechjournals.com/PR/vol41issue1/Poll%20Res-59.pdf">http://www.envirobiotechjournals.com/PR/vol41issue1/Poll%20Res-59.pdf</a> |

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| 16. | Synthesis, Molecular Structure, HOMO-LUMO, Spectroscopic (UV-Vis and IR), Thermochemical Study of 5-Acetyl-4-(4-chlorophenyl)-6-methyl-3,4-dihydropyrimidin-2(1H)-one: A DFT Study   | Asian Journal of Organic & Medicinal Chemistry | 2022 | 2456-8937 | <a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList">https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList</a> |
| 17. | Interpretation of Viscometric, Thermodynamic and Acoustic Properties of Maltose in Aqueous Sodium Fluoride   | Asian Journal of Organic & Medicinal Chemistry | 2022 | 2456-8937 | <a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList">https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList</a> |
| 18. | Antimicrobial and computational investigation of two 2,3-dihydro-1H-inden-1-one derived fluorinated chalcone motifs  | Vietnam Journal of Chemistry                   | 2021 | 2572-8288 | <a href="https://www.scopus.com/sourceid/21101043786">https://www.scopus.com/sourceid/21101043786</a>                           |
| 19. | Fabrication, characterization and exploration of cobalt (II) ion doped, modified zinc oxide thick film sensor for gas sensing characteristics of some pernicious gases   | Journal of the Indian Chemical Society         | 2021 | 0019-4522 | <a href="https://www.scopus.com/sourceid/24097">https://www.scopus.com/sourceid/24097</a>                                       |
| 20. | Spectroscopic (FTIR and UV), quantum Chemical, antifungal and antioxidant investigations of (E)-7-(4-(trifluoromethyl)benzylidene)-1,2,6,7-tetrahydro-8H-indeno [5,4-b] furan-8-one: A combined experimental and theoretical study | Vietnam Journal of Chemistry                   | 2021 | 2572-8288 | <a href="https://www.scopus.com/sourceid/21101043786">https://www.scopus.com/sourceid/21101043786</a>                           |
| 21. | Synthesis, Computational, Antibacterial and Antifungal Investigation of Two TriFluorinated Chalcones of 1-(2,3-Dihydrobenzo[b][1,4]dioxin-6-yl)eth   | Polycyclic Aromatic Compounds                  | 2021 | 1040-6638 | <a href="https://www.scopus.com/sourceid/26442">https://www.scopus.com/sourceid/26442</a>                                       |
| 22. | Transition metals Fe <sup>3+</sup> , Ni <sup>2+</sup> modified titanium dioxide (TiO <sub>2</sub> ) film sensors fabricated by CPT method to sense some toxic environmental pollutant gases  | Journal of the Indian Chemical Society         | 2021 | 0019-4522 | <a href="https://www.scopus.com/sourceid/24097">https://www.scopus.com/sourceid/24097</a>                                       |
| 23. | Microwave prompted solvent-free synthesis of new series of heterocyclic tagged 7- arylidene indanone hybrids and their computational, antifungal, antioxidant, and cytotoxicity study  | Bioorganic Chemistry                           | 2021 | 0045-2068 | <a href="https://www.scopus.com/sourceid/25789">https://www.scopus.com/sourceid/25789</a>                                       |
| 24. | Superfast synthesis, antibacterial and antifungal studies of halo-aryl and heterocyclic tagged 2,3-dihydro-1H-inden-1-one candidates   | Monatshefte für Chemie-Chemical Monthly        | 2021 | 0026-9247 | <a href="https://www.scopus.com/sourceid/24803">https://www.scopus.com/sourceid/24803</a>                                       |

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| 25. | Structural, Spectroscopic (UV-Vis and IR), Electronic and Chemical Reactivity Studies of (3, 5-Diphenyl-4, 5-dihydro-1H-pyrazol-1-yl)(phenyl) methanone  | Physical Chemistry Research                 | 2021 | 2322-5521 | <a href="https://www.scopus.com/sourceid/21100820130">https://www.scopus.com/sourceid/21100820130</a>   |
| 26. | Anti-microbial evaluation, experimental and theoretical insights into molecular structure, electronic properties, and chemical reactivity of (E)-2-((1H-indol-3-yl) methylene)-2, 3-dihydro-1H-inden-1-one       | Journal of Applied Organometallic Chemistry | 2021 | 2783-3623 | <a href="http://jaoc.samipubco.com/article_129274_60d3676729103cf31057580f108c3bd8.pdf">http://jaoc.samipubco.com/article_129274_60d3676729103cf31057580f108c3bd8.pdf</a>   |
| 27. | Synthesis and Theoretical Calculations of 2-(p-Tolyl)-2,3-Dihydro-1H-Perimidine using Density Functional Theory  | Material Science Research India             | 2021 | 0973-3469 | <a href="http://www.materialsciencejournal.org/vol18no1/synthesis-and-theoretical-calculations-of-2-p-tolyl-23-dihydro-1h-perimidineusing-density-functional-theory/">http://www.materialsciencejournal.org/vol18no1/synthesis-and-theoretical-calculations-of-2-p-tolyl-23-dihydro-1h-perimidineusing-density-functional-theory/</a>   |
| 28. | Synthesis, Molecular Structure, HOMO-LUMO, Chemical, Spectroscopic (UV-Vis and IR), Thermochemical Study of Ethyl 6-amino-5-cyano-2-methyl-4-(4-nitrophenyl)-4H-pyran-3-carboxylate: A DFT Exploration           | Material Science Research India             | 2021 | 0973-3469 | <a href="http://www.materialsciencejournal.org/vol18no2/synthesis-molecular-structure-homo-lumo-chemical-spectroscopic-uv-vis-and-ir-thermochemical-study-of-ethyl-6-amino-5-cyano-2-methyl-4-4-nitrophenyl-4h-pyran-3-carboxylate-a-dft-exploration/">http://www.materialsciencejournal.org/vol18no2/synthesis-molecular-structure-homo-lumo-chemical-spectroscopic-uv-vis-and-ir-thermochemical-study-of-ethyl-6-amino-5-cyano-2-methyl-4-4-nitrophenyl-4h-pyran-3-carboxylate-a-dft-exploration/</a> |
| 29. | Computational Chemistry Approach for the Investigation of Structural, Electronic, Chemical and Quantum Chemical Facets of Twelve Biginelli Adducts   | Journal of Applied Organometallic Chemistry | 2021 | 2783-3623 | <a href="http://jaoc.samipubco.com/article_129051_c817f8097789302f8e63e1701c9f2f7b.pdf">http://jaoc.samipubco.com/article_129051_c817f8097789302f8e63e1701c9f2f7b.pdf</a>   |
| 30. | Synthesis, antibacterial and computational studies of Halo Chalcone hybrids from 1- (2, 3-Dihydrobenzo [b][1, 4] dioxin-6-yl) ethan-1-one  | Journal of the Indian Chemical Society      | 2021 | 0019-4522 | <a href="https://www.scopus.com/sourceid/24097">https://www.scopus.com/sourceid/24097</a>   |
| 31. | COMPUTATIONAL CHEMISTRY: MOLECULAR STRUCTURE, SPECTROSCOPIC (UV-VISIBLE AND IR), ELECTRONIC, CHEMICAL AND THERMOCHEMICAL ANALYSIS OF 3'-PHENYL-1, 2-DIHYDROSPIRO [INDENO [5, 4-B] FURAN-7, 2'-OXIRAN]-8 (6H)-ONE | Journal of Advanced Scientific Research     | 2021 | 0976-9595 | <a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList">https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList</a>   |

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| 32. | DFT computational insights into structural, electronic and spectroscopic parameters of 2-(2-Hydrazineyl) thiazole derivatives: a concise theoretical and experimental approach                                   | Journal of Sulfur Chemistry                         | 2021 | 1741-5993 | <a href="https://www.scopus.com/sourceid/24655">https://www.scopus.com/sourceid/24655</a>   |
| 33. | Synthesis and Computational Insights on Molecular Structure, Frontier Molecular Orbital, Molecular electrostatic surface potential of (E)-3-(2,3-dihydrobenzofuran-5-yl)-1-(2-hydroxyphenyl)prop-2-en-1-one      | Journal of Scientific Research                      | 2021 | 0447-9483 | <a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList">https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList</a>   |
| 34. | Computational Chemistry: Sulfamic Acid Catalyzed PEG-400 Mediated Synthesis, Molecular Structure, HOMO–LUMO, UV-visible, Vibrational, and Reactivity Descriptors Analysis of 2-(Furan-2-yl)-1H-benzo[d]imidazole | Orbital: The Electronic Journal of Chemistry        | 2021 | 1984-6428 | <a href="https://www.scopus.com/sourceid/21100820675">https://www.scopus.com/sourceid/21100820675</a>   |
| 35. | PEG-400 mediated synthesis, computational, antibacterial and antifungal studies of fluorinated pyrazolines   | Current Research in Green and Sustainable Chemistry | 2021 | 2666-0865 | <a href="https://www.scopus.com/sourceid/21101043776">https://www.scopus.com/sourceid/21101043776</a>   |
| 36. | Design, fabrication, antitubercular, antibacterial, antifungal and antioxidant study of silver doped ZnO and CuO nano candidates: A comparative pharmacological study  | Current Research in Green and Sustainable Chemistry | 2021 | 2666-0865 | <a href="https://www.scopus.com/sourceid/21101043776">https://www.scopus.com/sourceid/21101043776</a>   |
| 37. | Molecular Structure, FT-IR Spectra, MEP and HOMO-LUMO Investigation of 2-(4-Fluorophenyl)-5-phenyl-1,3,4-oxadiazole Using DFT Theory Calculations  | Advanced Journal of Chemistry-Section A             | 2021 | 2645-7768 | <a href="http://www.ajchem-a.com/article_130816_f1d724d_daff1f6b30a76974ec37dd0f2.pdf">http://www.ajchem-a.com/article_130816_f1d724d_daff1f6b30a76974ec37dd0f2.pdf</a> |
| 38. | Synthesis, antibacterial, antifungal and DFT studies on structural, electronic and chemical reactivity of (E)-7-((1H-Indol-3-yl)methylene)-1,2,6,7-tetrahydro-8H-indeno[5,4-b]furan-8-one                        | Advanced Journal of Chemistry-Section A             | 2021 | 2645-7768 | <a href="http://www.ajchem-a.com/article_129397_e2edc02416d275c990e2cc923da72435.pdf">http://www.ajchem-a.com/article_129397_e2edc02416d275c990e2cc923da72435.pdf</a>   |
| 39. | Experimental and theoretical exploration on single crystal, structural, and quantum chemical parameters of (E)-7-(arylidene)-1,2,6,7-tetrahydro-8H-indeno[5,4-b]furan-8-one derivatives: A comparative study     | Journal of the Chinese Chemical Society             | 2021 | 0009-4536 | <a href="https://www.scopus.com/sourceid/23449">https://www.scopus.com/sourceid/23449</a>   |

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| 40. | Density and Viscosity of LiCl, LiBr, Lil and KCl in Aqueous Methanol at 313.15 K   | ORIENTAL JOURNAL OF CHEMISTRY            | 2021 | 0970-020X | <a href="https://mjl.clarivate.com:/search-results?issn=0970-020X&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=0970-020X&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a> |
| 41. | Solvent-free grindstone synthesis of four new (E)-7-(arylidene)-indanones and their structural, spectroscopic and quantum chemical study: a comprehensive theoretical and experimental exploration | Molecular Simulation                     | 2020 | 0892-7022 | <a href="https://www.scopus.com/sourceid/24801">https://www.scopus.com/sourceid/24801</a>   |
| 42. | Molecular structure, frontier molecular orbital and spectroscopic examination on dihydropyrimidinones: a comparative computational approach  | Journal of Advanced Scientific Research  | 2020 | 0976-9595 | <a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList">https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList</a>   |
| 43. | Synthetic approaches for the synthesis of dihydropyrimidinones/thiones (biginelli adducts): a concise review   | World journal of pharmaceutical research | 2020 | 2277-7105 | <a href="https://wjpr.net/abstract_file/14513">https://wjpr.net/abstract_file/14513</a>   |
| 44. | Efficient synthesis, antibacterial, antifungal, antioxidant and cytotoxicity study of 2-(2- hydrazineyl) thiazole derivatives  | ChemistrySelect                          | 2020 | 2365-6549 | <a href="https://www.scopus.com/sourceid/21100850505">https://www.scopus.com/sourceid/21100850505</a>   |
| 45. | Aqua-mediated rapid and benign synthesis of 1, 2, 6, 7-tetrahydro-8H-indeno [5, 4-b] furan-8-one-appended novel 2-arylidene indanones of pharmacological interest at ambient temperature           | Journal of the Chinese Chemical Society  | 2020 | 0009-4536 | <a href="https://www.scopus.com/sourceid/23449">https://www.scopus.com/sourceid/23449</a>   |
| 46. | Transition metals Ni <sup>2+</sup> , Fe <sup>3+</sup> incorporated modified ZnO thick film sensors to monitor the environmental and industrial pollutant gases                                     | ORIENTAL JOURNAL OF CHEMISTRY            | 2020 | 0970-020X | <a href="https://mjl.clarivate.com:/search-results?issn=0970-020X&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com:/search-results?issn=0970-020X&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a> |

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| 47. | Molecular structure, electronic, chemical and spectroscopic (UV-visible and IR) studies of 5-(4-chlorophenyl)-3-(3, 4-dimethoxyphenyl)-1-phenyl-4, 5-dihydro-1H-pyrazole: combined DFT and experimental exploration                 | Material Science Research India | 2020 | 0973-3469 | <a href="https://www.materialsciencejournal.org/specialissue2020/molecular-structure-electronic-chemical-and-spectroscopic-uv-visible-and-ir-studies-of-5-4-chlorophenyl-3-34-dimethoxyphenyl-1-phenyl-45-dihydro-1h-pyrazole-combined-dft-and-experimental-ex/">https://www.materialsciencejournal.org/specialissue2020/molecular-structure-electronic-chemical-and-spectroscopic-uv-visible-and-ir-studies-of-5-4-chlorophenyl-3-34-dimethoxyphenyl-1-phenyl-45-dihydro-1h-pyrazole-combined-dft-and-experimental-ex/</a> |
| 48. | Molecular structure, frontier molecular orbitals, MESP and UV-visible spectroscopy studies of Ethyl 4-(3, 4-dimethoxyphenyl)-6-methyl-2-oxo-1, 2, 3, 4-tetrahydropyrimidine-5-carboxylate: A theoretical and experimental appraisal | Material Science Research India | 2020 | 0973-3469 | <a href="https://www.materialsciencejournal.org/specialissue2020/molecular-structure-frontier-molecular-orbitals-mesp-and-uv-visible-spectroscopy-studies-of-ethyl-4-34-dimethoxyphenyl-6-methyl-2-oxo-1234-tetrahydropyrimidine-5-carboxylate-a-theoret/">https://www.materialsciencejournal.org/specialissue2020/molecular-structure-frontier-molecular-orbitals-mesp-and-uv-visible-spectroscopy-studies-of-ethyl-4-34-dimethoxyphenyl-6-methyl-2-oxo-1234-tetrahydropyrimidine-5-carboxylate-a-theoret/</a>             |
| 49. | Efficient synthesis, spectroscopic and quantum chemical study of 2, 3- dihydrobenzofuran labelled two novel arylidene indanones: A comparative theoretical exploration  | Material Science Research India | 2020 | 0973-3469 | <a href="https://www.materialsciencejournal.org/vol17no2/efficient-synthesis-spectroscopic-and-quantum-chemical-study-of-23-dihydrobenzofuran-labelled-two-novel-arylidene-indanones-a-comparative-theoretical-exploration/">https://www.materialsciencejournal.org/vol17no2/efficient-synthesis-spectroscopic-and-quantum-chemical-study-of-23-dihydrobenzofuran-labelled-two-novel-arylidene-indanones-a-comparative-theoretical-exploration/</a>   |
| 50. | Experimental and Theoretical Studies on the Molecular Structure, FT-IR, NMR, HOMO, LUMO, MESP, and Reactivity Descriptors of (E)-1-(2, 3-Dihydrobenzo [b][1, 4] dioxin-6-yl)-3-(3, 4, 5-trimethoxyphenyl) prop-2-en-1-one           | Material Science Research India | 2020 | 0973-3469 | <a href="https://www.materialsciencejournal.org/specialissue2020/experimental-and-theoretical-studies-on-the-molecular-structure-ft-ir-nmr-homo-lumo-mesp-and-reactivity-descriptors-of-e-1-23-">https://www.materialsciencejournal.org/specialissue2020/experimental-and-theoretical-studies-on-the-molecular-structure-ft-ir-nmr-homo-lumo-mesp-and-reactivity-descriptors-of-e-1-23-</a>   |

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|     |  |  |      |           | <a href="#">dihydrobenzob14dioxin-6-yl-3-345-trimethoxyphenylprop/</a>  |
| 51. | Computational insights on molecular structure, electronic properties, and chemical reactivity of (E)-3-(4-chlorophenyl)-1-(2-hydroxyphenyl) prop-2-en-1-one                                  | Material Science Research India                          | 2020 | 0973-3469 | <a href="https://www.materialsciencejournal.org/specialissue2020/computational-insights-on-molecular-structure-electronic-properties-and-chemical-reactivity-of-e-3-4-chlorophenyl-1-2-hydroxyphenylprop-2-en-1-one/">https://www.materialsciencejournal.org/specialissue2020/computational-insights-on-molecular-structure-electronic-properties-and-chemical-reactivity-of-e-3-4-chlorophenyl-1-2-hydroxyphenylprop-2-en-1-one/</a> |
| 52. | Investigation of Structural and Spectroscopic Parameters of Ethyl 4-(4-isopropylphenyl)-6-methyl-2-oxo-1, 2, 3, 4-tetrahydropyrimidine-5-carboxylate: a DFT Study                            | Chemistry & Biology Interface                            | 2020 | 2249-4820 | <a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/AlphabetwiseList?alphabet=C">https://ugccare.unipune.ac.in/Apps1/User/WebA/AlphabetwiseList?alphabet=C</a>   |
| 53. | Synthesis, Molecular Structure, HOMOLUMO and Spectroscopic Investigation of (E)-1-(2,4-Dichloro-5-fluorophenyl)-3-(2,6-dichlorophenyl)prop-2-en-1-one: A DFT Based Computational Exploration | Asian Journal of Organic & Medicinal Chemistry           | 2020 | 2456-8937 | <a href="https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList">https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList</a>   |
| 54. | Ultrasound promoted stereoselective synthesis of 2, 3-dihydrobenzofuran appended chalcones at ambient temperature  | South African Journal of Chemistry                       | 2020 | 0379-4350 | <a href="https://www.scopus.com/sourceid/21544">https://www.scopus.com/sourceid/21544</a>   |
| 55. | Structural, vibrational and chemical reactivity studies of (2-(4-chlorophenyl)-5-(4-methylphenyl)-1, 3, 4-oxadiazole   | International Journal of Research and Analytical Reviews | 2019 | 2349-5138 | <a href="https://www.researchgate.net/publication/350727647_STRUCTURAL_VIBRATIONAL_AND_CHEMICAL_REACTIVITY_STUDIES_OF_2-4-CHLOROPHENYL-5-4-METHYLPHENYL-134-OXADIAZOLE">https://www.researchgate.net/publication/350727647_STRUCTURAL_VIBRATIONAL_AND_CHEMICAL_REACTIVITY_STUDIES_OF_2-4-CHLOROPHENYL-5-4-METHYLPHENYL-134-OXADIAZOLE</a>   |
| 56. | Facile Green Synthesis of ZnO Nanoparticles, their Characterization and Gas Sensing Performance  | Researchers World: International Refereed Journal        | 2018 | 2229-4686 | <a href="https://www.researchgate.net/publication/362283903_Facile_Green_Synthesis_of_ZnO_Nano">https://www.researchgate.net/publication/362283903_Facile_Green_Synthesis_of_ZnO_Nano</a>   |



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|     |   |   |      |           | <a href="#">particles their Characterization and Gas Sensing Performance</a>  |
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