

Department of Chemistry

Research Paper Published

| Name of Staff | Title of the paper | Journal Name | UGC listed / Scopus/ Web of Science | Impact Factor, If any | Year of publication | ISBN/ISSN number |
|-------------------|--|--|-------------------------------------|-----------------------|---------------------|------------------|
| Mr. J. V. Deore | Reusable Nano Catalysed Synthesis of Heterocycles: An Overview | ChemistrySelect | Scopus | 2.1 | 2022 | 2365-6549 |
| | Synthesis of ZnS Nanomaterials and Their Applications via Green Approaches: An Overview | <i>BioNanoSci.</i> | Scopus | 3 | 2023 | 2191-1649 |
| | Versatile applications of transition metal incorporating quinoline Schiff base metal complexes: An overview | European Journal of Medicinal Chemistry | Scopus | 6.7 | 2023 | 1768-3254 |
| Dr. S. V. Bangale | Auto-Combustion Synthesis of Nanocrystalline BaSnO ₃ | Indo American Journal of Pharmaceutical Sciences | UGC Listed | 0 | 2018 | 2349-7750 |
| | Efficient Synthesis of CeVO₄ Nanoparticles Using Combustion Route and Their Antibacterial Activity | Journal of Nanostructures | Scopus | 1.694 | 2018 | 2251-788X |
| | Bio-fabrication of Silver nanoparticles using Rosa Chinensis L.extract for antibacterial activities | Int. J. Nano Dimens | Scopus | 0.319 | 2019 | 2228-5059 |
| | Green Synthesized Silver Nanoparticles for Photo Degradation of Methylene Blue - A Review | Education Times | Peer Reviewed | - | 2018 | 2319-8265 |
| | Biological activities of biogenically synthesized fluorescent silver nanoparticles using <i>Acanthospermum hispidum</i> leaves extract | SN Applied Sciences | Scopus | 2.6 | 2019 | 25233971 |

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| A Review on Plant Extract Mediated Green Synthesis of Zirconia Nanoparticles and Their Miscellaneous Applications | Journal of Chemical Reviews | Scopus | - | 2019 | 2676-6868 |
| Antifungal activity of biosynthesized CuO nanoparticles using leaves extract of Moringa oleifera and their structural characterizations | Asian Journal of Nanoscience and Materials | Scopus | - | 2019 | 2588-669X |
| Synthesis of substituted pyrimidine using ZnFe₂O₄ nanocatalyst via one pot multi-component reaction ultrasonic irradiation | J Heterocyclic Chem | Scopus | 2.035 | 2020 | 1943-5193 |
| Nanostructured tetragonal crystal NdVO₄ for the detection of liquefied petroleum gas | NANOSYSTEMS: PHYSICS, CHEMISTRY, MATHEMATICS | Scopus | 1.13 | 2021 | 22208054 |
| Synthesis of endophytic actinomycetal Cu oxide nanoparticles and their antagonistic activity against common gram positive and gram negative pathogens | Journal of Information and Computational Science | UGC | - | 2021 | 1548-7741 |
| Green Synthesis of Magnesium Nanoparticle from actinomycetes and their therapeutic application | Journal of advanced Scientific Research | UGC | - | 2021 | 0976 - 9595 |
| Reusable ZnCr₂O₄ Nano Catalyzed One Pot Three-Component Cycloaddition Reaction for Synthesis of Azetidine Derivatives under Itrasound Irradiation | Polycyclic Aromatic Compound | Scopus | 3.744 | 2021 | 15635333 |

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| | Spinel ZnCr2O4 nanorods synthesized by facile sol-gel auto combustion method with biomedical properties | Journal of Sol-Gel Science and Technology | Scopus | 2.606 | 2022 | 15734846 |
| | Synthesis and Characterization of Zn_{0.5}Co_{0.5}Fe₂O₄ Nanoparticles for Gas Sensing Applications | ECS State Science and Technology | Scopus | 2.2 | 2023 | 2162-8777 |
| | Synthesis, study and characterization of spinel CoFe₂O₄ for the ethanol gas-sensing applications | J Mater Sci: Mater Electron | Scopus | 2.779 | 2023 | 1573-482X |
| | Nanostructured CeVO₄ oxide, responsive to LPG at usable temperature: synthesis and characterization | J Mater Sci: Mater Electron | Scopus | 2.779 | 2023 | 1573-482X |
| Mr. H. R. Sonawane | Reusable Nano Catalysed Synthesis of Heterocycles: An Overview | ChemistrySelect | Scopus | 2.1 | 2022 | 2365-6549 |
| | Extraction and Characterisation of Flavoured Tobacco by GC-MS Studies and Validation of Results by GC-FID to Investigate Hazardous Flavour Ingredients | European Journal of Nutrition & Food Safety | Peer Reviewed | 0 | 2022 | 2347-5641 |
| | Synthesis of ZnS Nanomaterials and Their Applications via Green Approaches: An Overview | <i>BioNanoSci.</i> | Scopus | 3 | 2023 | 2191-1649 |
| | Versatile applications of transition metal incorporating quinoline Schiff base metal complexes: An overview | European Journal of Medicinal Chemistry | Scopus | 6.7 | 2023 | 1768-3254 |
| Mr. A. K. Nikam | Green Synthesized Silver Nanoparticles for Photo Degradation of Methylene Blue - A Review | Education Times | Peer Reviewed | - | 2018 | 2319-8265 |

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| | A Review on Plant Extract Mediated Green Synthesis of Zirconia Nanoparticles and Their Miscellaneous Applications | Journal of Chemical Reviews | Scopus | - | 2019 | 26764938 |
| | Antifungal activity of biosynthesized CuO nanoparticles using leaves extract of Moringa oleifera and their structural characterizations | Asian Journal of Nanoscience and Materials | Scopus | - | 2019 | 2588669X |
| Mr. V. A. Tarate | Efficient Microwave-Assisted Buchwald-Hartwig Coupling for the Synthesis Of 3- (Substituted)Benzyl-7-But-2-Ynyl-1-Methyl-8-(4methylene-Piperidin-1-Yl)-3,4,5,7-Tetrahydro-Purine-2,6-Dione | African Journal of Biological Sciences | Scopus | 1.08 | 2024 | 2663-2187 |
| | Microwave Assisted Synthesis of 4-(Substituted Fluoro-Phenyl)-Substituted-6h-1-Thia-5,7,8,9a-Tetraazacyclopenta[E]Azulenes Derivatives | African Journal of Biological Sciences | Scopus | 1.08 | 2024 | 2663-2187 |
| Mr. S. R. Rathod | Efficient Microwave-Assisted Buchwald-Hartwig Coupling for the Synthesis Of 3- (Substituted)Benzyl-7-But-2-Ynyl-1-Methyl-8-(4methylene-Piperidin-1-Yl)-3,4,5,7-Tetrahydro-Purine-2,6-Dione | African Journal of Biological Sciences | Scopus | 1.08 | 2024 | 2663-2187 |
| | Microwave Assisted Synthesis of 4-(Substituted Fluoro-Phenyl)-Substituted-6h-1-Thia-5,7,8,9a-Tetraazacyclopenta[E]Azulenes Derivatives | African Journal of Biological Sciences | Scopus | 1.08 | 2024 | 2663-2187 |