



# ST. ALOYSIUS' COLLEGE

**AUTONOMOUS  
JABALPUR- 482001  
MADHYA PRADESH, INDIA**

## CRITERION-3

### RESEARCH, INNOVATIONS AND EXTENSION

**Key Indicator – 3.4**

**Research Publications and Awards**

**Metric No.: 3.4.5**

**Bibliometrics of the Publication**

**Document Name**

**Publication based on Average Citation  
Index in Scopus/Web of Science**





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College with Potential for Excellence (CPE) by UGC

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## Research Publications and Awards

### 3.4.5 Bibliometrics of the Publications during the last five years based on average Citation Index in Scopus/ Web of Science

| S. No. | Name of Faculty      | Name of Paper   | Name of Journal                             | Year | Citation |                |
|--------|----------------------|---|---|------|----------|----------------|
|        |                      |   |   |      | Scopus   | Web of Science |
| 1.     | Dr. Sutapa Roy       | Vanadium complexes: potential candidates for therapeutic applications   | Transition Metal Chemistry                  | 2024 | 0        | -              |
| 2.     | Dr. Rumana Faraz     | Enhancement in production of baicalein through transformation in <i>Oroxylum indicum</i> (L.) Vent by <i>Rhizobium rhizogenes</i> | Vegetos                                     | 2024 | 1        | -              |
| 3.     | Dr. Sweta Likhitkar  | Applications and advancements of polysaccharide-based nanostructures for enhanced drug delivery                                   | Colloids and Surfaces B: Bio interfaces     | 2024 | 1        | -              |
| 4.     | Dr. Anisha Rupashree | Analysis of endophytic microbes harboring in medicinal plants of Himalayan region with their medicinal properties                 | Biocatalysis and Agricultural Biotechnology | 2023 | 1        | -              |
| 5.     | Dr. Anisha Rupashree | Prevalence of migraine in systemic lupus erythematosus: A meta-analysis.  | Lupus                                       | 2023 | 3        | -              |



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|     |                        |   |  |      |    |    |
|-----|------------------------|---|--|------|----|----|
| 6.  | Dr. Durga Ray          | Role of Polyamines in Molecular Regulation and Cross-Talks Against Drought Tolerance in Plants.   | J Plant Growth Regul                               | 2023 | 12 | 14 |
| 7.  | Dr. Satyendra Jain     | Results In B-Metric Spaces Endowed with The Graph and Application to Differential Equations   | Journal of applied mathematics & informatics       | 2023 | 1  | 1  |
| 8.  | Dr. Dayashankar Gautam | An in vitro study of cytotoxicity of organophosphate insecticides (Imidacloprid, Profenofos, Dichlorvos) and natural products (Neem oil and Dashparni ark) on human peripheral lymphocytes by MTT and Trypan blue assay | International Journal of Ayurvedic Medicine        | 2023 | -  | 0  |
| 9.  | Dr. Satyendra Jain     | Best Proximity Point and Existence of the Positive Definite Solution for Matrix Equations   | International Journal of Analysis and Applications | 2023 | 0  | 0  |
| 10. | Dr. Satyendra Jain     | Coupled fixed point results and application to integral equations   | Punjab University Journal of Mathematics           | 2023 |    | 0  |
| 11. | Dr. Manju Gupta        | Tumbling vial extraction of 2,4-dinitrophenylhydrazones of carbonyl compounds in bottled water, beer and milk using naphthalene-based magnetic polyimide as sorbent and HPLC-DAD  | Microchemical Journal                              | 2023 | 0  | -  |
| 13. | Dr. Amita Chhatrri     | Pb <sup>2+</sup> ion removal from contaminated aqueous solution by adsorption onto Graphene Oxide Sand Composite (GOSC) for efficient water purification  | Research Journal of Chemistry and Environment      | 2023 | 0  | -  |



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|-----|----------------------|---|---|------|----|----|
| 14. | Dr. Smarika Lawrence | Pb <sup>2+</sup> ion removal from contaminated aqueous solution by adsorption onto Graphene Oxide Sand Composite (GOSC) for efficient water purification              | Research Journal of Chemistry and Environment | 2023 | 0  | -  |
| 15. | Dr. Komal Rawat      | The influence of reviews and ratings on consumer purchase decision  | Man-Made Textiles in India                    | 2023 | 0  |    |
| 16. | Dr. Komal Rawat      | Embedding SDG 12 in consumer behaviour. A survey of knowledge, attitude and perception for sustainable consumption  | Visions for Sustainability                    | 2023 | 0  |    |
| 17. | Dr. Priya Sahni      | Embedding SDG 12 in consumer behaviour. A survey of knowledge, attitude and perception for sustainable consumption  | Visions for Sustainability                    | 2023 | 0  | -  |
| 18. | Dr. Mita Darbari     | Eight Extraordinary Pythagorean Triangles   | AIP Conference Proceedings                    | 2023 | 0  |    |
| 20. | Dr. Manju Gupta      | Dispersive liquid-liquid microextraction and diffuse reflectance-Fourier transform infrared spectroscopy for iodate determination in food grade salt and food samples | Food Chemistry                                | 2022 | 4  | 2  |
| 21. | Dr. Durga Ray        | The soil bacterium, <i>Corynebacterium glutamicum</i> , from biosynthesis of value-added products to  | Environmental Research                        | 2022 | 15 | 14 |



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|-----|------------------------|--|--|------|----|----|
|     |                        | bioremediation: A master of many trades  |  |      |    |    |
| 22. | Dr. Durga Ray          | Podophyllum hexandrum and its active constituents: Novel radioprotectants  | Biomedicine and Pharmacotherapy          | 2022 | 11 | 9  |
| 23. | Dr. Durga Ray          | Biotechnological interventions of in vitro propagation and production of valuable secondary metabolites in Stevia rebaudiana | Applied Microbiology and Biotechnology   | 2022 | 11 | 11 |
| 24. | Dr. Dayashankar Gautam | Cytotoxic Effect of Cypermethrin and Neem Extract on Human Lymphocytes   | Biomedical and Pharmacology Journal      | 2022 | 1  | -  |
| 25. | Mr. Enosh Phillips     | Nanotechnological interventions in biofuel production  | Handbook of Biofuels                     | 2022 | 3  | -  |
| 26. | Dr. Amita Chhatri      | Aloe vera Loaded (Polyvinyl Alcohol) Cryogel: Potential Wound Healer   | Asian Journal of Chemistry               | 2022 | 0  | -  |
| 27. | Dr. Smarika Lawrence   | Aloe vera Loaded (Polyvinyl Alcohol) Cryogel: Potential Wound Healer   | Asian Journal of Chemistry               | 2022 | 0  | -  |
| 28. | Dr. Anjali D'souza     | Aloe vera Loaded (Polyvinyl Alcohol) Cryogel: Potential Wound Healer   | Asian Journal of Chemistry               | 2022 | 0  | -  |
| 29. | Dr. Satyendra Jain     | Best Proximity Point Results with Their Consequences and Applications  | Journal of Inequalities and Applications | 2022 | 6  | 5  |



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|-----|------------------------|---|---|------|----|----|
| 30. | Dr. Rumana Faraz       | Isolation of bio-molecule Baicalein (5, 6, 7-Trihydroxy flavone) from root of Oroxyllum indicum L. Vent and its prospective interaction with COVID-19 Viral S-Protein Receptor Binding Domain | Research Journal of Pharmacy and Technology   | 2022 | 1  | -  |
| 31. | Dr. Mamta Gokhale      | Isolation of bio-molecule Baicalein (5, 6, 7-Trihydroxy flavone) from root of Oroxyllum indicum L. Vent and its prospective interaction with COVID-19 Viral S-Protein Receptor Binding Domain | Research Journal of Pharmacy and Technology   | 2022 | 1  | -  |
| 32. | Dr. Dayashankar Gautam | Toxicity of Imidacloprid on Peripheral Blood Lymphocytes by MTT Assay and the Ameliorative Effect of Extract of Tinospora cordifolia (Gilloe) Extract   | International Journal of Ayurvedic Medicine   | 2022 | -  | 0  |
| 33. | Dr. Mamta Gokhale      | Toxicity of Imidacloprid on Peripheral Blood Lymphocytes by MTT Assay and the Ameliorative Effect of Extract of Tinospora cordifolia (Gilloe) Extract   | International Journal of Ayurvedic Medicine   | 2022 | -  | 0  |
| 34. | Dr. Durga Ray          | Bacosides from Bacopa monnieri extract: An Overview of the effects on neurological disorder   | Phytotherapy Research   | 2021 | 43 | 45 |
| 35. | Mr. Enosh Phillips     | Biobutanol Production and Advancement   | Bioenergy Research: Evaluating Strategies for Commercialization and Sustainability  | 2021 | 1  | -  |
| 36. | Mr. Enosh Phillips     | Biohydrogen Production from Cellulosic Waste Biomass  | Bioenergy Research: Evaluating Strategies for Commercialization and Sustainability, | 2021 | 1  | -  |



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|     |                    |  |  |      |    |    |
|-----|--------------------|--|--|------|----|----|
| 37. | Dr. Satyendra Jain | $\phi$ -CONTRACTION AND ITS APPLICATION TO FRACTIONAL DIFFERENTIAL EQUATION  | Advances And Applications in Mathematical Sciences | 2021 | -  | 0  |
| 38. | Dr. Shikha Bansal  | Fumaria indica(L)a famous medicinal herb of tribal regions of Jabalpur, Madhya Pradesh. Broad spectru antibacterial and phytochemical profiling against some pathogenic microorganisms | Pharmacogonosy Journal                             | 2021 | 2  | -  |
| 39. | Dr. Shikha Bansal  | Thermo stable tyrosinase purified from Pleurotus djamor grown in biomimetic calcium carbonate: A biological strategy to industrial waste remediation                                   | Environmental Technology and Innovation            | 2021 | 7  | -  |
| 40. | Dr. Anjali D'souza | Salting-out homogeneous liquid-liquid microextraction for the spectrophotometric determination of iodate in food grade salt  | Journal of Food Composition and Analysis           | 2021 | 13 | 12 |
| 41. | Dr. Manju Gupta    | Salting-out homogeneous liquid-liquid microextraction for the spectrophotometric determination of iodate in food grade salt  | Journal of Food Composition and Analysis           | 2021 | 13 | 12 |
| 42. | Dr. Kallol Das     | A Study of The Optical Band Gap Energy and Urbach Energy of Fullerene (C <sub>60</sub> ) Doped PMMA Nanocomposites   | AIP Conference Proceedings                         | 2021 | 13 | -  |
| 43. | Dr. Nisha Pandey   | Crystalline properties of ZnO doped poly (methyl methacrylate) PMMA thin films   | AIP Conference Proceedings                         | 2021 | 0  | -  |



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|-----|-------------------------|---|---|------|---|---|
| 44. | Dr. Deepti Deshpande    | Morphological characterization of silver nanoparticles in-situ with poly (vinyl alcohol) based smart gel matrix                                   | AIP Conference Proceedings                                  | 2021 | 0 | - |
| 45. | Dr. Ashu Jain           | Customary law of water control in Dynastic China and Indian sacred rivers generating public moral behaviour: A human capital comparative analysis | Human Capital and Development                               | 2021 | 0 | - |
| 46. | Dr. Ashu Jain           | The domestication of human beings with their own externalised metarepresentations: Drawing human capital from enculturation                       | Human Capital and Development                               | 2021 | 0 | - |
| 47. | Dr. Ashu Jain           | Water rights in India: economic good, fundamental rights, or human rights?  | Commonwealth Law Bulletin, 2021                             | 2021 | 0 | - |
| 48. | Dr. Dayashankar Gautam  | Go Ark; an ameliorative bio-product (in vitro) on Phenyl induced cytotoxicity   | International Journal Of Ayurvedic Medicine                 | 2021 | - | 0 |
| 49. | Dr. Daya Shankar Gautam | In vitro analysis of the effect of Go Ark on Human Peripheral Blood Lymphocytes   | International Journal of Ayurvedic Medicine                 | 2020 | - | 2 |
| 50. | Mr. Enosh Phillips      | Algal Butanol Production  | Clean Energy Production Technology                          | 2020 | - | 1 |
| 51. | Dr. Mita Darbari        | Special Pythagorean Triangles and Cryptography  | International Journal of Scientific and Technology Research | 2020 | 1 | - |





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|-----|-------------------|--|--|------|----|----|
| 52. | Juhi Sharma       | Legume lectins: Potential use as a diagnostic and therapeutics against the cancer,   | International Journal of Biological Macromolecule  | 2020 | 39 | 30 |
| 53. | Dr. Shikha Bansal | Bioremediation of melanoidin contamination in distillery effluent using aspergillus brasiliensis   | Biotechnologia   | 2020 | 0  | -  |
| 54. | Dr. Fsa Rawat     | Educators' online buying behavior: A step towards knowledge management with special reference to higher education institutions in Jabalpur City            | Man-Made Textiles in India   | 2020 | 0  | -  |
| 55. | Juhi Sharma       | Nanoelements: An Agricultural paradigm for Targeted plant nutrition therapeutic approach,  | Nature Singapore book chapter Springer   | 2019 | 2  | -  |
| 56. | Juhi Sharma       | Nanotechnology: A novel strategy against plant pathogens   | Nature Singapore book chapter Springer   | 2019 | 1  | -  |
| 57. | Juhi Sharma       | Potential strategies for management of drug resistant tuberculosis,  | Journal of Global Antimicrobial Resistance   | 2019 | 16 | 16 |
| 58. | Juhi Sharma       | The contribution of Microbial Biotechnology for achieving sustainable development (2020) ed. Microbial Biotechnology; basic research and application. Ltd. | Springer nature Singapore Pvt  | 2019 | 0  | -  |
| 59. | Enosh Phillips    | Genetic Engineering Applications to Improve Cellulase Production and Efficiency: Part 1  | New and Future Developments in Microbial Biotechnology and Bioengineering: From Cellulose to Cellulase: Strategies to Improve Biofuel Production | 2019 | 8  | -  |
| 60. | Dr. Mita Darbari  | Fortifying the messages  | International Journal of Scientific and Technology Research  | 2019 | 2  | -  |



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|-----|--------------------|---|---|------|---|----|
| 61. | Dr. Mita Darbari   | Special Pythagorean triangles with sum of their two legs as undecic   | International Journal of Innovative Technology and Exploring Engineering      | 2019 | 3 | -  |
| 62. | Dr. Anjali D'souza | Blue light-emitting carbon dots (CDs) from a milk protein and their interaction with Spinacia oleracea leaf cells | International Nano Letters  | 2019 | - | 73 |
| 63. | Dr. Anjali D'souza | Carbon dots from Guar Gum: Synthesis, characterization and preliminary in vivo application in plant cells         | Materials Science and Engineering B-Advanced Functional Solid-State Materials | 2019 | - | 17 |