

| Publication Data 2024-25 | | | | | | |
|--------------------------|---------------------------|---|----------------|---------------------|-------------------------------|---|
| SNo. | Name of Faculty/Scientist | Title of paper | Research Level | Date of Publication | Name of Publisher | Link of the recognition in UGC |
| 1 | Biswajit Saha | Exploring cutting-edge approaches in plastic recycling for a greener future | International | 13-08-2024 | Elsevier | https://doi.org/10.1016/j.rineng.2024.102704 |
| 2 | Rajpal Srivastav | "Exploring the Potential of Ellagic Acid in Gastrointestinal Cancer Prevention: Recent Advances and Future Directions" | International | 31-08-2024 | Springer | https://doi.org/10.1007/s40487-024-00296-1 |
| 3 | Rajpal Srivastav | "Precision nutrition-based strategy for management of human diseases and healthy aging: current progress and challenges forward." | International | 08-08-2024 | Frontiers | 10.3389/fnut.2024.1427608 |
| 4 | Debarati Paul | Yeast for the Production of Biochemicals and Biofuels | International | 30-08-2024 | MDPI | https://doi.org/10.3390/fermentation10090451 |
| 5 | Kirti Sharma | Notch sight review on use of antimicrobial nano preparations as immunity agro-booster for production of diseased free Solanum tuberosum crop plant | International | 08-08-2024 | MedCrave Publication Group | DOI: 10.15406/jbmoa.2024.12.00374 |
| 6 | Kirti Sharma | Insights of antimicrobials and their clinical implications | International | 30-08-2024 | MedCrave Publication Group | DOI: 10.15406/jbmoa.2024.12.00376 |
| 7 | V Pooja | "Integrating In-silico and In-vitro approaches to identify plant-derived bioactive molecules against spore coat protein CoH3 and high affinity iron permease FTR1 of Rhizopus oryzae" | International | 23-08-2024 | Elsevier | https://doi.org/10.1016/j.crmicr.2024.100270 |
| 8 | Kirti Sharma | "Different electrode system based electrochemical aptasensor for the detection of dengue virus antigen in human serum: A comparative study" | International | 17-07-2024 | KeAI publication house, China | https://doi.org/10.1016/j.sintl.2024.100285 |

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| 9 | Ajay Kumar | From orchard to table: Significance of fruit microbiota in postharvest diseases management of citrus fruits | International | 01-07-2024 | Elsevier | https://doi.org/10.1016/j.foodcont.2024.110698rg/10.1016/j.envexpbot.2024.105865 |
| 10 | Ajay Kumar | Combined Application of Biostimulants and EDTA Improved Wheat Productivity under Cadmium Stress | International | 13-07-2024 | Tech Science press | 10.32604/phyton.2024.050974 |
| 11 | Arindam Pramanik | Recent Advancements in the Application of Circulating Tumor DNA as Biomarkers for Early Detection of Cancers | International | 01-07-2024 | American Chemical Society (ACS) | https://doi.org/10.1016/j.ejso.2023.107569 |
| 12 | Devlina Pramanik | Removal of malachite green from an aqueous environment using chitosan-xanthan gum coagulation system: A response surface methodology approach | International | 31-07-2024 | Elsevier | Doi: 10.1016/j.jwpe.2024.105896 |
| 13 | Rajeev Kumar | Deciphering the frontiers of stem cell research in regenerative medicine. | International | 11-07-2024 | ScienceIN Publishing | https://pubs.thesciencein.org/journal/index.php/cbl/article/view/a673/601 |
| 14 | Rajeev Kumar | Parthenium hysterophorus: Unveiling Harmful Impacts, Beneficial Potentials, and Novel Management Approaches. | International | 18-06-2024 | Islamic Azad University | https://www.jchr.org/index.php/JCHR/article/view/5450/3433 |
| 15 | Dibyakanti Mandal | Nucleoside and non-nucleoside reverse transcriptase inhibitor drugs (NRTIs and NNRTIs) are capable of binding Chandipura virus polymerase protein (L) and inhibit virus replication | International | 08-07-2024 | Springer Nature | https://link.springer.com/article/10.1007/s13337-024-00883-w |
| 16 | Archana Tiwari | Characterization of natural compounds derived from diatom <i>C. gracilis</i> as potential therapeutic agents: An in-silico networking and docking study | International | 12-09-2024 | Elsevier | 10.1016/j.algal.2024.103712 |

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| 17 | Archana Tiwari | Roadmap of algal autotrophic tissue engineering in the avenue of regenerative wound therapy | International | 18-09-2024 | Wiley Online Library | 10.1039/d4ma00492b |
| 18 | Archana Tiwari | Exploring the nutraceutical potential of high-altitude freshwater diatom <i>Nitzschia</i> sp. in batch culture | International | 27-09-2024 | Springer | 10.1007/s43393-024-00299-z |
| 19 | Arindam Pramanik | Hydrogels as a Potential Biomaterial for Multimodal Therapeutic Applications | International | 18-09-2024 | American Chemical Society (ACS) | https://pubs.acs.org/doi/full/10.1021/acs.molpharmaceut.4c00595 |
| 20 | Ajay Kumar | In vitro antioxidant and in silico enzyme inhibition studies of <i>Carissa carandas</i> Linn.: potential ingredient for nutraceutical development | International | 07-10-2024 | Taylor and Francis | https://doi.org/10.1080/10942912.2024.2409122 |
| 21 | Ajay Kumar | Utilization of Opium Poppy Seed oil for Biodiesel Production: A Parametric Characterization and Statistical Optimization | International | 15-10-2024 | Elsevier | https://doi.org/10.1016/j.heliyon.2024.e36851 |
| 22 | Ravi Kant Singh | Banana Cultivation and Micropropagation in India: Addressing Challenges and Exploring Future Prospects. | International | 31-10-2024 | Scientific Horizon | https://bit.ly/4heQTr8 |
| 23 | Ravi Kant Singh | <i>Achyranthes aspera</i> -Mediated Reduction of Silver and Iron Nanoparticles for Therapeutic Applications | International | 10-10-2024 | Malque Publishing | https://www.malque.pub/ojs/index.php/msj/article/view/3852 |
| 24 | Kirti Sharma | Succinct review on emergent crisis of antibiotics resistant (MDR) bacteria: impact on human health worldwide | International | 22-10-2024 | MedCrave Publication House | DOI: 10.15406/jbmoa.2024.12.00380 |
| 25 | Rajeev Kumar | An efficient method for extracting pure DNA from the oil seed crop <i>Sesamum indicum</i> L. | International | 01-11-2024 | PubMed | https://jabonline.in/admin/php/uploads/1237_pdf.pdf |

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| 26 | Madhumita Ghosh | Auxillary effect of trolox on coenzyme Q10 restricts angiogenesis and proliferation of retinoblastoma cells via the ERK/AKT pathway. | International | 09-11-2024 | Pubmed | https://www.nature.com/articles/s41598-024-76135-0 |
| 27 | Navaneet Chaturvedi | Unleashing the future: The revolutionary role of machine learning and artificial intelligence in drug discovery | International | 15-12-2024 | Pubmed, UGC, ICI and SCI/E | https://doi.org/10.1016/j.ejphar.2024.177103 |
| 28 | Ajay Kumar | Research hotspot and trend analysis of heavy metals decontamination of wastewater in past two decades: A bibliometric analysis | International | 07-11-2014 | Elsevier | https://doi.org/10.1016/j.hazadv.2024.100532 |
| 29 | Ajay Kumar | Integrated organic and mineral fertilizer strategies for achieving sustainable maize yield and soil quality in dry sub-humid inceptisols | International | 08-11-2024 | Nature | https://doi.org/10.1038/s41598-024-74727-4 |
| 30 | Ajay Kumar | Recent developments in microbial degradation of crop residues: a comprehensive review | International | 17-11-2024 | Springer | https://doi.org/10.1007/s13762-024-06209-z |
| 31 | Ajay Kumar | Unlocking the adaptation mechanisms of the oleaginous microalga <i>Scenedesmus</i> sp. BHU1 under elevated salt stress: A physiochemical, lipidomics and transcriptomics approach. | International | 18-11-2024 | Frontiers | https://doi.org/10.3389/fmicb.2024.1475410 |
| 32 | Ajay Kumar | Catalytic charge synergy on Ni/Sr@ rTiO ₂ system to promote hydrogen evolution for the implementation of green energy technologie | International | 26-11-2024 | Elsevier | " https://doi.org/10.1016/j.fuel.2024.133672 Get rights and content " |
| 33 | Biswajit Saha | Unveiling the Significance of tert-Butoxides in Transition Metal-Free Cross-Coupling Reactions | International | 11-10-2024 | Springer International Publishing | https://doi.org/10.1007/s41061-024-00478-5 |

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| 34 | Biswajit Saha | Metallalectro-catalyzed alkyne annulations via C-H activations for sustainable heterocycle syntheses | International | 10-11-2024 | Royal chemical Society | https://pubs.rsc.org/en/content/articlehtml/2024/cc/d4cc03871a |
| 35 | Shashi Sharma | Sustainable Approach for Degradation of Low-Density Polyethylene Plastic Waste Using Ligninolytic White Rot Fungus | International | 02-12-2024 | Wiley-VCH GmbH | https://doi.org/10.1002/jobm.202400442 |
| 36 | Ajay Kumar | Editorial: Recent advances in biotechnological applications of microbial secondary metabolites | International | 09-12-2024 | Frontiers | https://doi.org/10.3389/fmicb.2024.1525146 |
| 37 | Vivek Gaur | Unlocking the Potential of Food Waste Chemistry for Biodegradable Plastics Production: Recent Advancements, Perspectives, and Life-Cycle Assessment | International | 08-12-2024 | Elsevier | https://doi.org/10.1016/j.tifs.2024.104836 |
| 38 | Vivek Gaur | Microbiome divergence across four major Indian riverine water ecosystems impacted by anthropogenic contamination: A comparative metagenomic analysis "Exploring the Potential of Ellagic Acid in Gastroi | International | 30-12-2024 | Springer | https://doi.org/10.1007/s40487-024-00296-1 |