

Publications in UGC listed Journals-2023

| Title of paper | Name of the author/s | Department of the teacher | Name of journal | ISSN number |
|--|--|---------------------------|---|---|
| Women at the Forefront of environmental conservation | Prof. Payal Mago | Environmental Science | Current World Environment | 0973-4929 |
| A calcium and zinc composite alginate hydrogel for pre-hospital hemostasis and wound care | Dr.Mohd Saquib Ansari | Biomedical Science | Carbohydrate Polymers | 1879-1344 |
| Assessment of antimicrobial activity of solo Himalayan garlic and onion crude extracts | Dr. Shruti Banswal | Biomedical Science | ijcrt.org | 2320-2882 |
| Investigating the Pharmacognostic and Pharmacological Activities of Azadirachta indica L. Through Biochemical Assays | Dr. Varsha Mehra | Biomedical Science | Pharmacognosy Research | 0976-4836 |
| Magnoflorine-Loaded Chitosan Collagen Nanocapsules Ameliorate Cognitive Deficit in Scopolamine-Induced Alzheimer's Disease-like Conditions in a Rat Model by Downregulating IL-1 β , IL-6, TNF- α , and Oxidative Stress and Upregulating Brain-Derived Neurotrophic Factor and DCX Expressions | Dr. Indu Arora | Biomedical Science | ACS Omega | 24701343 |
| HPLC-DAD fingerprinting coupled with chemometric analysis can successfully differentiate Indian Berberis species and its plant parts | Dr. Daya Bhardwaj | Instrumentation | 3 Biotech | 2190-5738 |
| Efficient implementation of a DSIG-JLT-based multiplexer and demultiplexer using different logic styles at 20-nm technology | Dr. Neha Garg, Dr. Sneha Kabra | Instrumentation | Journal of Computational Electronics | 1569-8025 |
| Vitamin k3-Loaded Magnetic Nanoparticle-Mediated Synergistic Magneto-thermodynamic Therapy Evokes Massive ROS and Immune Modulation for Augmented Antitumor Potential | Dr. Ravi Kumar | Instrumentation | ACS Applied Materials & Interfaces | 1944-8244 |
| Investigation of Piecewise Linear Chaotic Map as a diffusion model for image encryption | Dr. Sunil Kumar | Instrumentation | Multimedia Tools and Applications | 2214-2126 |
| A new encryption model for multimedia content using two dimensional Brownian motion and Coupled map lattice | Dr. Sunil Kumar | Instrumentation | Multimedia Tools and Applications | 2214-2126 |
| Efficient implementation of a DSIG-JLT-based multiplexer and demultiplexer using different logic styles at 20-nm technology | Dr. Neha Garg , Dr. Sneha Kabra | Instrumentation | Journal of Computational Electronics | 1569-8025 |
| ReactiveFnJ: A choreographed model for Fork-Join Workflow in Serverless Computing | Ms. Urmil Bharti | Computer Science | Journal of Cloud Computing: Advances, Systems and Applications | |
| DAC-BiNet Twitter Crime Detection using Deep Attention Convolutional Bidirectional Aquila Optimal Network | Ms. Monika | Computer Science | Multimedia Tools and Applications | |
| Designing and Reliability Analysis of Radiation Hardened Stacked Gate Junctionless FinFET and CMOS Inverter | Dr. Himani Dua Sehgal, Dr. Sneha Kabra | Instrumentation | IEEE Transactions on Device and Materials Reliability | Print ISSN: 1530-4388 Electronic ISSN: 1558-2574 |
| Designing and Reliability Analysis of Radiation Hardened Stacked Gate Junctionless FinFET and CMOS Inverter | Dr. Himani Dua Sehgal, Dr. Sneha Kabra | Instrumentation | IEEE Transactions on Device and Materials Reliability | Print ISSN: 1530-4388 Electronic ISSN: 1558-2574 |
| Telegraphic code for fingerprints: How justice was denied to the innovator who helped ameliorate the criminal justice system | Prof. Jasjeet Kaur | Chemistry | Endeavour | 0160-9327 |
| Forensic importance of toolmarks evidence: A review | Prof. Jasjeet Kaur | Chemistry | International Journal of Medical Toxicological and Legal Medicine | 0972-0448 |
| A novel fingerprint detecting composition based on the food dye, tartrazine | Prof. Jasjeet Kaur | Chemistry | International Journal of Medical Toxicological and Legal Medicine | 0972-0448 |
| Keratinase Of Bacillus Subtilis N-49: A Novel Strain Of Indian Origin Possessing Potential To Enhance Transungual Drug Delivery | Dr. Rekha Mehrotra, Dr. Richa Sharma | Microbiology | International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS) | 2277-4998 |
| A review on unravelling the medicinal properties of magical mushrooms: Cordyceps militaris | Prof. Payal Mago, Dr. Rekha Mehrotra, Dr. Aarti Yadav, Dr. Richa Sharma, Dr. Kohinoor Kaur | Microbiology | Biomedicine | 0970 2067 |
| A review on re-emerging bacteriophage therapy in the era of XDR | Dr. Richa Sharma, Dr. Rekha Mehrotra | Microbiology | Biocell | 0327-9545(print), |

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| | | | | 1667-5746(online) |
| Recent Advancements and Mechanism of Plastics Biodegradation Promoted by Bacteria: A Key for Sustainable Remediation for Plastic Wastes | Dr. Kohinoor Kaur, Dr. Rekha Mehrotra | Microbiology | Biosciences Biotechnology Research Asia | 0973-1245 |
| Bacterial Cellulose: An Ecological Alternative as a Biotextile. | Dr. Rekha Mehrotra, Dr. Kohinoor Kaur | Microbiology | Biosciences Biotechnology Research Asia | 0973-1245 |
| Mushroom based cosmeceuticals: An upcoming Biotechnology Sector | Prof. Payal Mago, Dr. Richa Sharma, Dr. Rekha Mehrotra | Environmental Science, Microbiology | Biosciences Biotechnology Research Asia | 0973-1245 |
| Screening of Phytochemicals from Derris indica for Antimycobacterial Potential using Molecular Docking Analysis | Dr. Manisha Khatri | Biomedical Science | Biosciences Biotechnology Research Asia | 0973-1245 |

Publications in peer-reviewed journals- 2022

| Title of paper | Name of the author/s | Department of the teacher | Name of journal | ISSN number |
|---|---|--|--|-------------|
| Moving From Informal Interaction to focused Knowledge Sharing Among Users in an Agent-Based Learning Environment | Dr. Aakanksha | Computer Science | International Journal of Advanced Research | 2320-5407 |
| Comparative Study of Traditional and Advanced Password Cracking Techniques used over the Internet | Dr. Aakanksha | Computer Science | International Journal of Innovation and Multidisciplinary Research | 2583-4452 |
| Detection of fingerprints on moist crime evidence: A students' activity | Prof. Jasjeet Kaur | Chemistry | Science Activities | 0036-8121 |
| Methanogens: Way Ahead for Sustainable Development | Dr. Rekha Mehrotra, Dr. Preeti Verma, Dr. Aarti Yadav | Microbiology | Acta Scientific MICROBIOLOGY | 2581-3226 |
| Microbial Keratinases-Then and Now | Prof. Payal Mago, Dr. Richa Sharma, Dr. Rekha Mehrotra | Environmental Science, Microbiology | International Journal of Innovative Science and Research Technology | 2465-2165 |
| Microbial Contamination of Ready-To-Eat Fresh Produce by Human Enteric Pathogens: The Global Burden of Foodborne Diseases | Dr. Rekha Mehrotra; Dr. Aarti Dr. Preeti Verma | Microbiology | IJISRT (International Journal of Innovative Science and Research Technology) | 2456-2165 |
| Significance of Biofilm Formation by Enteric Escherichia Coli Obtained from Fresh Produce in Increased Antimicrobial Resistance and Persistence | Dr. Rekha Mehrotra, Dr. Preeti Verma | Microbiology | IJISRT (International Journal of Innovative Science and Research Technology) | 2456-2165 |
| Establishing Closeness to Nature ensures Wellbeing | Dr. Rekha Mehrotra, Ms Komal Chandiramani, Dr. Kohinoor Kaur | Microbiology | IJFMR-International Journal for Multidisciplinary Research | 2582-2160 |
| Utilization of Mango Co-product as Functional Ingredient | Dr. Twinkle Kumar Sachchan | Food Technology | International journal of Current Advanced Research | 2319-6475 |