

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
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 encryptio	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	Electronic ISSN: 2192-113X
DAC-BiNet Twitter Crime Detection using Deep Attention Convolutional Bidirectional Aquila Optimal Network	Ms. Monika	Computer Science	Multimedia Tools and Applications	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), 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 <i>Derris indica</i> for Antimycobacterial Potential using Molecular Docking Analysis	Dr. Manisha Khatri	Biomedical Science	Biosciences Biotechnology Research Asia	0973-1245
Characterisation of a Spontaneous Mutant of <i>Lemna gibba</i> G3 (Lemnaceae)	Dr. Lakshmi Pasricha Sarin	Biochemistry	Plants	2223-7747
Interacting with Futuristic Topological Quantum Materials: A Potential Candidate for Spintronics Devices	Ravi Kumar	Instrumentation	Magnetochemistry	2312-7481
Designing and Reliability Analysis of Radiation Hardened Stacked Gate Junctionless FinFET and CMOS Inverter	Himani Dua Sehgal, Sneha Kabra	Instrumentation	IEEE Transactions on Device and Materials Reliability	1558-2574

Publications in peer-reviewed journals- 2023

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
Reshaping our Psyche: 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
Essence of Machine Learning in Google Self Driving Cars	Ms. Sonia Ahlawat	Electronics	International Journal For Research in Applied Science & Engineering Technology	2321 - 9653
Assessment of antimicrobial activity of solo Himalayan garlic and onion crude extracts	Dr. Shruti Banswal	Biomedical Science	ijcrt.org	2320-2882