

Publications in UGC listed Journals – 2024

Title of the Paper	Name of the author/s	Department of the Faculty	Name of the Journal	ISSN number
Unravelling the impacts of climatic events on CardioVascular health in animal models	Prof. Payal Mago	Administration	Environmental Research	0013-9351
A comprehensive pilot study to elucidate the distinct gut microbial composition and Its functional significance in cardio metabolic disease	Prof. Payal Mago	Administration	Biochemical Genetics	0006-2928
Identification of potential regulatory mechanisms and therapeutic targets for lung cancer	Prof. Payal Mago	Administration	Journal of Biomolecular Structure and Dynamics	0739-1102
A comprehensive microservice extraction approach integrating business functions and database entities	Prof. Deepali Bajaj	Computer Science	The International Arab Journal of Information Technology	1683-3198
GTMicro—microservice identification approach based on deep NLP transformer model for greenfield developments	Prof. Deepali Bajaj, Dr. Urmil Bharti	Computer Science	International Journal of Information Technology	Print:2511-2104 E-ISSN:2511-2112
Unraveling the interplay between choline chloride and collagen mimetic peptide with facile end modifications: A case study of Gly-Gly-(Pro-Hyp-Gly)8-Gly-Gly	Dr. Anjeeta Rani	Chemistry	Journal of Molecular Liquids	0167-7322
The history of fingerprint identification in India	Dr. Jasjeet Kaur	Chemistry	Current Science	0011-3891
Season cracking: A phenomena that caused disintegration of ammunition in Indian cantonments	Dr. Jasjeet Kaur	Chemistry	Current Science	0011-3891
A comprehensive review of small particle reagent efficacy in developing latent fingerprints immersed in water: An empirical analysis	Dr. Jasjeet Kaur	Chemistry	Research Journal of Pharmacy and Technology	0974-3618

Granular Hemostatic Composite of Alginate, Calcium, and Zinc for Rapid and Effective Management of Post-Traumatic Hemorrhage	Dr. Saquib Ansari	Biomedical Science	ACS Applied Materials & Interfaces	1520-5126
Nanosized epiberberine-loaded chitosan-collagen nanocomposites: synthesis and evaluation of their cognitive and AChE inhibition enhancing potential in a scopolamine-induced amnesia rat model	Dr. Indu Arora	Biomedical Science	New Journal of Chemistry	1369-9261
Palladium Nanoparticles and Lung Health: Assessing Morphology Dependent Subacute Toxicity in Rats and Toxicity Modulation by Naringin – Paving the Way for Cleaner Vehicular Emissions	Dr. Indu Arora	Biomedical Science	ACS omega	2470-1343
Role of Radiolabelled Methionine Analogues for Applications in oncology	Dr. Varsha Mehra	Biomedical Science	African Journal of Biological Sciences	2663-2187
Screening of Phytochemicals from Justicia Adhatoda for Antitubercular Potential using Structure-Based Multitargeted Molecular Docking Analysis	Dr. Manisha Khatri	Biomedical Science	Letters in Applied Nano Bioscience	2284-6808
Noise processing and diagnostics of a spintronic-based IOT sensor for magnetocardiography application using SpintronCardioNet	Dr. Reshma Sinha	Instrumentation	Multimedia Tools and Applications	1573-7721
Image encryption algorithm based on DNA encoding and CNN	Dr. Sunil Kumar	Instrumentation	Expert Systems with Applications	0957-4174
Enhanced Transport Parameters of Transition Metal Dichalcogenide-Based Double-Barrier Magnetic Tunnel Junction	Dr. Reshma Sinha	Instrumentation	Journal of Electronic Materials	0361-5235
Identification of potential regulatory mechanisms and therapeutic targets for lung cancer	Prof. Payal Mago, Prof. Rekha Mehrotra	Administration, Microbiology	Journal of Biomolecular Structure and Dynamics	0739-1102

Publications in Peer reviewed Journals – 2024

Title of the paper	Name of the author/s	Department of the Faculty	Name of the Journal	ISSN number
Resistant Starch: Way to a Healthy Life	Dr. Sadhna Jain	Biochemistry	Journal of Pharmaceutical Research International	2456-9119
Green, Rapid, Reproducible, and Economical (GRRECO) Method for Estimation of Ascorbic Acid: Iodine Clock Method	Dr. Sadhna Jain	Biochemistry	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2583-4452
A Comparative Study of the Phenolic Content and In-vitro Antioxidant Activity in Different Varieties of Tea	Dr. Sadhna Jain	Biochemistry	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2583-4452
A comprehensive Review of Anemia: Characterization, Challenges and Management	Dr. Varsha Mehra	Biomedical Science	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2583-4452
In silico screening of potential antidiabetic phytochemicals from Tephrosia purpurea: A polypharmacology approach	Dr. Manisha Khatri	Biomedical Science	Biomedical and Therapeutics Letters	2394-2274
Unveiling a Novel Purine Auxotroph in Sinorhizobium meliloti: Insights into Defective Exopolysaccharide Production	Dr. Shruti Banswal	Biomedical Science	International Journal of Scientific Research and Reviews	2279-0543
TEM Studies of Nodules Elicited by Sinorhizobium meliloti Pleiotropic Mutant Defective in Exopolysaccharide Production	Dr. Shruti Banswal	Biomedical Science	International Journal of Life Sciences Research	2348-3148
Regeneration of Multipurpose Woody Legume- Acacia auriculiformis through Mature Tree Nodal Explant	Dr. Shruti Banswal	Biomedical Science	Plant Tissue Culture and Biotechnology	1817-3721

A Brief Assessment of Mobile Security, Vulnerabilities and Threats	Dr. Aakanksha	Computer Science	International Journal of Innovation and Multidisciplinary Research (IJIAMR)	2583-4452
Total Phenol, flavonoid content and antioxidant activity of aqueous extract of Kachnar (Bauhinia variegata) leaves	Dr. Para Dholakia, Dr Prabhjot Kaur Sabharwal	Food Technology	International Journal of Innovation and Multidisciplinary Research (IJIAMR)	2583-4452