

Research Publications 2024 (SCOPUS INDEXED)				
Year	Department	Name of the author	Title of the paper	Name of the Journal
2024	Applied Psychology	Poonam Phogat	A qualitative exploration of parent-teacher meetings in Indian schools: assessing stakeholder engagement and systemic efficacy	Education 3-13
2024	Applied Psychology	Poonam Phogat	A mixed methods exploration of teacher involvement and its effects on adolescent behavioral and emotional problems	Discover Psychology
2024	Botany	Aparajita Mohanty, Reema Mishra	In Silico Analysis of Natural Plant-Derived Cyclotides with Antifungal Activity against Pathogenic Fungi	Protein and Peptide Letters
2024	Botany	Reema Mishra	Comprehensive Analysis of C48 Domain Containing Cysteine Protease Enzymes Revealed Their Role During Abiotic Stress and Reproductive Development in Rice	Journal of Plant Growth Regulation
2024	Botany	Reema Mishra, Preeti Agarwal, Renu Soni, Pritam Kaur, Garvita Singh	Decoding the Photoprotection Strategies and Manipulating Cyanobacterial Photoprotective Metabolites, Mycosporine-like Amino Acids, for Next-Generation Sunscreens	Plant Physiology and Biochemistry
2024	Botany	Garvita Singh, Renu Soni	Effect of Biofabricated Silver nanoparticles on Growth parameters in Fenugreek (Trigonella foenum-graecum).	Vegetos
2024	Botany	Garvita Singh, Renu Soni	Cyanobacteria as a Biocatalyst for Sustainable Production of Biofuels and Chemicals	Energies
2024	Botany	Anjana Rustagi	Unlocking the Secrets of Rhizosphere Microbes: A New Dimension for Agriculture	Symbiosis
2025	Botany	Neha Singh	Calmodulin and calcium-mediated melatonin signaling mechanisms in plants	Theoretical and Experimental Plant Physiology

2024	Botany	Garvita Singh, Renu Soni	Horticultural geographical indications of India: botanical aspect	Vegetos
2024	Chemistry	B Negi, A Kwatra	A Review of Recent Progress on the Anticancer Activity of Heterocyclic Compounds	SynOpen
2024	Chemistry	D Kumar, B Negi, DS Rawat	Diverse Pharmacological Activities of 4-Aminoquinoline and its Derivatives	Recent Advances in Pharmaceutical Innovation and Research, 243-292, 2023
2024	Chemistry	Manisha Singla	Self-aggregation behavior of well-defined PEO-based amphiphilic tri-block copolymers and their application as metal detectors	Journal of Macromolecular Science, Part A: Pure and Applied Chemistry
2024	Commerce	Anjni Anand	Reconceptualizing time and space: employee voices from the nonvoluntary work from home context	International Journal of Organisational Analysis
2024	Commerce	Anam Khan	Does Governance Quality Impact Stock Market Development? An Insight of BRICS Economies	Asia-Pacific Financial Markets
2024	Economics	Upkar Joshi	Financial toxicity in cancer palliative care in India: Addressing existence and beyond – Seeking remedies for a balanced financial journey	ecancermedicalsecience
2024	Mathematics	Promila Kumar and Bharti Sharma	Continuous time non-smooth optimization through quasi efficiency	Control and Cybernetics
2024	Mathematics	Anshika Agrawal and Neha Singhal	An efficient computational approach for basic feasible solution of fuzzy transportation problems	International Journal of System Assurance Engineering and Management
2024	Mathematics	Varinder kumar, Sapna Malhotra, Nikhil Khanna	Scalability of generalized frames for operators	Journal of function spaces
2024	Mathematics	Varinder kumar and Sapna Malhotra	Some properties of generalized frames for operators	Poincare Journal of Analysis & Applications
2024	Mathematics	Ramakant Prasad	SEPCVN: Secure and Efficient Protocol for Cloud Vehicular Networking	IEEE Access

2024	Mathematics	Ramakant Prasad	SGAK: A Robust ECC based Authenticated Key Exchange Protocol for Smart Grid Networks	IEEE Access
2024	Mathematics	Ramakant Prasad	Extreme wave height response to climate modes and its association with tropical cyclones over the Indo-Pacific Ocean	Ocean Engineering
2024	Mathematics	Ramakant Prasad	Trend Analysis of Extreme Wind and Wave Height at Key Port Locations along the Indian Coastline	Thalassas: An International Journal of Marine Sciences
2024	Mathematics	Ramakant Prasad	Bridging the Climate Gap: Multi-Model Framework with Explainable Decision-Making for IOD and ENSO Forecasting	IEEE Transactions on Artificial Intelligence
2024	Mathematics	Ramakant Prasad	Design of Secure and Efficient Framework for Vehicular Digital Twin Networks Using ECC	IEEE Access
2024	Mathematics	Pooja Gupta	On Some Results Related to Non-Uniform Tight Wavelet Frames	International Journal of Analysis and Applications
2024	Mathematics	Pooja Gupta	Synchronization of Chaotic Satellite Systems with Fractional Derivatives Analysis Using Feedback Active Control Techniques	Symmetry
2024	Mathematics	Sapna Malhotra	CONTROLLED g-FRAMES and THEIR g-DUALS	Palestine Journal of Mathematics
2024	Microbiology	Indra Mani	Challenges and Opportunities of Gene Therapy in Cancer	OBM Genetics
2024	Microbiology	Indra Mani	Recent development in CRISPR –Cas systems for cardiac disease.	Progress in Molecular Biology and Translational Science
2024	Microbiology	Indra Mani	Advances in CRISPR –Cas systems for gut microbiome.	Progress in Molecular Biology and Translational Science
2024	Microbiology	Indra Mani	Advances in CRISPR –Cas systems for human bacterial disease.	Progress in Molecular Biology and Translational Science
2024	Microbiology	Indra Mani	Drug repurposing for fungal infections.	Progress in Molecular Biology and Translational Science

2024	Microbiology	Indra Mani	Drug repurposing for treating depression.	Progress in Molecular Biology and Translational Science
2024	Microbiology	Indra Mani	Drug repurposing for personalized medicine.	Progress in Molecular Biology and Translational Science
2024	Microbiology	Shashi Chawla	Accelerated failure time modelling in the analysis of type 2 diabetic patient data	International Journal of System Assurance Engineering and Management
2024	Microbiology	Indra Mani	In Silico Optimization of DNA Codons in Genes Encoded by Various Variants of Ebola Virus	Medinformatics
2024	Microbiology	Indra Mani	Exploring the potential of drug repurposing for treating depression	Progress in Molecular Biology and Translational Science
2024	Microbiology	Shashi Chawla	Adenoviral infection in children admitted with severe acute respiratory infection at tertiary care hospital from North India: A case series	Journal of Pediatric Critical Care
2024	Philosophy	Prof Rekha Navneet	Digital Surveillance and Privacy of Women	Educational Administration: Theory and Practice
2024	Physics	Supreeti Das	Thermophysical Properties of SWCNT Nanofluids	Macromolecular Symposia
2024	Physics	Supreeti Das	Economic and Performance Analysis of Modified Solar Distillation System Coupling Different Integrations Using Carbon Quantum Dot Nanoparticles: Generalized Thermal Model.	J of Solar Energy Engineering (ASME)
2024	Physics	Prof. Vandna Luthra	Optimization of magnetic properties of MnFe ₂ O ₄ by modulating molarity of NaOH as precipitating agent	International Journal of Materials Research
2024	Physics	Alka Garg	Study of Optical Phonons of Monolayered Ruddlesden-Popper Compounds A ₂ ZrO ₄ (A = Sr, Ba)	Journal of Inorganic and Organometallic Polymers and Materials
2024	Physics	Alka Garg	Lead-free halide double perovskites for sustainable environmental applications	Chemical Physics Impact

2024	Physics	Ajit Kumar	Fabrication of manganese ferrite-reduced graphene oxide nanostructure as an electrode material for high performance supercapacitor	Emergent Materials
2024	Zoology	Jasvinder Kaur	Comparative genomics of seven genomes of genus <i>Idiomarina</i> reveals important halo adaptations and genes for stress response.	3 Biotech
2024	Zoology	Jasvinder Kaur	Extremophiles in Space Exploration	Indian J Microbiol
2024	Zoology	Jasvinder Kaur	In silico analysis of the phylogenetic and physiological characteristics of <i>Sphingobium indicum</i> B90A: a hexachlorocyclohexane degrading bacterium	Current Microbiology
2024	Zoology	Jasvinder Kaur	Insights into the radiation and oxidative stress mechanisms in genus <i>Deinococcus</i>	Computational Biology and Chemistry
2024	Zoology	Jasvinder Kaur	Comprehensive review on Haloalkane dehalogenase (LinB): a β -hexachlorocyclohexane (HCH) degrading enzyme	Arch Microbiol
2024	Zoology	Rashmi Saini	Application of Nanoparticles for Management of Plant Viral Pathogen: Current Status and Future Prospects.	Virology
2024	Zoology	Rashmi Saini	Current Status of Potential Antiviral Drugs Derived from Plant, Marine, and Microbial Sources.	Anti-Infective Agents
2024	Zoology	Rashmi Saini	Hydroxyurea Therapy Alters the Subcellular Localization of Inducible Nitric Oxide Synthase in the Blood Cells of Sick Cell Disease Patients: An Immunogold Labelling and Morphometric Study.	Indian Journal of Natural Science
2024	Zoology	M. Divya Gnaneswari	Chemically prepared p-type Sn doped ZnO nanoparticles: Synthesis, characterization and its antibacterial properties	Journal of Crystal Growth

2024	Zoology	M. Divya Ganeswari	Preparation, characterization, and antibacterial activity of Ni, Sn co-doped ZnO nanoparticles: Effect of Sn doping concentration,	Journal of Crystal Growth
2024	Zoology	M. Divya Ganeswari	Influence of Gd-doping on physical properties of $Zn_{1-x-y}Ni_yGd_xO$ nanoparticles and its antibacterial activity	Indian Journal of Physics
2024	Zoology	Kuntal	AZIN1-centric dynamic network biomarker of tipping point in non small lung cancer metastasis	Journal of applied biology and biotechnology
2024	Zoology	Mamtesh Singh	Identification of host immune-related biomarkers in active tuberculosis: A comprehensive analysis of differentially expressed genes.	Tuberculosis
2024	Zoology	Chaitali Ghosh	Computational exploration of the genomic assignments, molecular structure, and dynamics of the ccdABXn2 toxin-antitoxin homolog with its bacterial target, the DNA gyrase, in the entomopathogen <i>Xenorhabdus nematophila</i> .	Journal of Biomolecular Structure and Dynamics
2024	Zoology	Chaitali Ghosh	Decoding the TAome and computational insights into parDE toxin-antitoxin systems in <i>Pseudomonas aeruginosa</i>	Archives of Microbiology
2024	Zoology	Supriya	Developmental validation of NeoTyper autosomal STR kit	Human Gene
2024	Zoology	Jasvinder Kaur	Genome-based reclassification of <i>Spiroplasma atrichopogonis</i> Koerber et al. 2005 as a later heterotypic synonym of <i>Spiroplasma mirum</i> Tully et al. 1982	International Journal of Systematic and Evolutionary Microbiology
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2024	Zoology	Shagun Sharma	Mitochondrial electron transport chain in macrophage reprogramming: Potential role in antibacterial immune response	Current Research in Immunology
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