

Research Publications 2023 (SCOPUS INDEXED)

Year	Department	Name of the author	Title of the paper	Name of the Journal
2023	Applied Psychology	Dr. Poonam Phogat	STUDY ON THE IMPACT LEVEL OF ADOLESCENT'S ACADEMIC STRESS, BEHAVIOR & EMOTIONAL PROBLEMS ON THE QUALITY OF INTERPERSONAL RELATIONSHIPS	COMMUNITY PRACTITIONER
2023	Applied Psychology	Prof. Sangeeta Bhati, Shyamolima Ghosh Choudhury	Media Literacy: Relevance and Implications for Adolescents. International Journal of Educational Sciences,	International Journal of Educational Sciences
2023	Applied Psychology	Prof. Sangeeta Bhatia	Addressing Grief and Bereavement in Covid-19 Pandemic	Illness, Crisis & Loss.
2023	Botany	Neha Singh	Cognitive impairment viz-a-viz genetic and biochemical variations in one carbon metabolic pathway: A population-based study from North India	Gene Reports
2023	Botany	Neha Singh	Pure biochemicals and nanomaterials as next generation biostimulants for sustainable agriculture under abiotic stress – recent advances and future scope	Plant Signaling and Behavior
2023	Botany	Renu Soni, Garvita Singh	Horticultural geographical indications of India: botanical aspect	Vegetos
2023	Botany	Reema Mishra, Preeti Agarwal, Tripti Kumari	Negative Impacts of Arsenic on Plants and Mitigation Strategies	Plants
2023	Botany	Reema Mishra, Renu Soni, Geeta Prakash	Role of microbes in alleviating abiotic stress in plants	Plant Science Today
2023	Botany	Anjana Rustagi	Overexpression of flowering locus D (FLD) in Indian mustard (Brassica juncea) enhances tolerance to Alternaria brassicae and Sclerotinia sclerotiorum	Plant Cell Reports

2023	Botany	Anjana Rustagi	Comprehensive and evolutionary analysis of Spodoptera litura-inducible Cytochrome P450 mono oxygenase gene family in Glycine max elucidate their role in defense	Frontiers in Plant Science
2023	Botany	Anjana Rustagi, Geeta Prakash	The calcium connection: exploring the intricacies of calcium signaling in plant-microbe interaction.	Frontiers in plant Science
2023	Botany	Anjana Rustagi	Role of Exogenous Nitric Oxide in Protecting Plants against Abiotic Stresses.	Agronomy
2023	Botany	Anjana Rustagi	Salicylic acid and methyl jasmonate synergistically ameliorate salinity induced damage by maintaining redox balance and stomatal movement in potato	Journal of Plant Growth Regulation
2023	Chemistry	Dr. Tripti Kumari	Potential of sawdust for the removal of heavy metal ions from soil and aqueous solutions: a case study of <i>Brassica juncea</i> grown in contaminated soil from the Yamuna of Delhi	Proceedings of the Indian National Science Academy
2023	Chemistry	Dr. Salma Khan	Synthesis of photoluminescent N doped and S doped carbon graphene quantum dots with modified optical properties	journal of materials science; materials in electronics
2023	Chemistry	Dr. Tripti Kumari	Waste Tea Leaves as an Adsorbent for the Removal of Heavy Metal Ions from Aqueous Solutions: Quantitative Estimation using Spectrophotometry and Titrimetry	Research Journal of Chemistry and Environment
2023	Commerce	Sushil kumar	IMPACT OF HUMAN RESOURCE MANAGERMENTS (HRM) PRACTICES ON JOB SATISFACTION	The seybold report
2023	Commerce	Sushil kumar	Human resource development and organisational practice linkages through job satisfaction: evidence from the Indian Banking sector.	TuijinJishu/Journal of Propulsion Technology
2023	Library	Dr. Babita Gaur	Journal of Informatics: Bibliometric study of paper published during 2007- 2021	DESIDOC Journal of Library &Information Technology

2023	Mathematics	Manpreet Kaur & Amit Srivastava	A new divergence measure for belief functions and its applications	International Journal of General Systems
2023	Mathematics	Manpreet Kaur & Amit Srivastava	A note on negation of a probability distribution	Soft Computing
2023	Mathematics	Ramakant Prasad	Caputo fractional order derivative model of Zika virus transmission dynamics	Journal of Mathematics and Computer Science
2023	Mathematics	Manpreet Kaur & Amit Srivastava	Negation of a probability distribution: An information theoretic analysis	Communications in Statistics - Theory and Methods,
2023	Mathematics	Sapna Malhotra	SOME PROPERTIES OF GENERALIZED FRAMES FOR OPERATORS	Poincare Journal of Analysis and Applications
2023	Mathematics	Pooja Gupta, Ramakant Prasad, Sapna Malhotra	Analysis and Study of Mathematical Model for Infectious Disease: A Special investigation of Covid-19.	TuijinJishu/Journal of Propulsion Technology
2023	Mathematics	Dr. Promila Kumar	Some more subclasses of Q-matrix	Operations Research Letters
2023	Microbiology	Indra Mani	Unlocking therapeutic potential: Integration of drug repurposing and immunotherapy for various disease targeting.	American Journal of Translational Research
2023	Microbiology	Indra Mani	Nanotechnology and nucleic acid nanoparticles for metabolic disorders.	OpenNano
2023	Microbiology	Indra Mani	Exploring the potential of microfluidics for next-generation drug delivery systems.	OpenNano
2023	Microbiology	Indra Mani	MicroRNA-128 regulates ligand-dependent downregulation of guanylyl cyclase/atrial natriuretic peptide receptor-A. Southern Regional Meeting February 2-4. New Orleans, LA, USA.	The American Journal of the Medical Sciences
2023	Physics	Dr. Alka Garg	Synthesis and Characterization of Single Crystals of Cadmium Iodide as Gamma-ray Radiation Sensor	Indian journal of Pure and applied Physics

2023	Physics	Dr. Alka Garg	A review on emerging materials with focus on BiI 3 for room-temperature semiconductor radiation detectors	Radiation Detection Technology and Methods
2023	Physics	Prof. Vandna Luthra	Exploration of the structural, dielectric, Ferroelectric and Piezoelectric Properties in Non-stoichiometric $\text{Sr}_{1-x}\text{Bi}_2+2x/3\text{Nb}_2\text{O}_9$ ceramics	ECS Journal of Solid State Science and Technology
2023	Physics	Prof. Vandna Luthra	Investigating the Morphological Evolution, Electron Paramagnetic Resonance, & Electrical Properties of Barium Titanate with Sn-Incorporation	Conference Paper published in: Springer Proceedings in Materials ((SPM,volume 37))
2023	Physics	Dr. Alka Garg	Study of Optical Phonons of Monolayered Ruddlesden-Popper Compounds A_2ZrO_4 (A = Sr, Ba), Journal of Inorganic and Organometallic Polymers and Materials	Journal of Inorganic and Organometallic Polymers and Materials
2023	Physics	Prof. Vandna Luthra	Effects of Yb^{3+} Doping on Structural, Morphological, and Temperature Dependent Magnetic Properties of MnFe_2O_4 Nanoparticles	JOURNAL OF SUPERCONDUCTIVITY AND NPVEL MAGNETISM
2023	Zoology	Jasvinder Kaur	Comparative genomics and integrated system biology approach unveiled undirected phylogeny patterns, mutational hotspots, functional patterns, and molecule repurposing for monkeypox virus	Funct Integr Genomics
2023	Zoology	Jasvinder Kaur	Phylogenomics-based reclassifications in the genus Psychrobacter including emended descriptions of Psychrobacter pacificensis, Psychrobacter proteolyticus and Psychrobacter submarinus	Antonie van Leeuwenhoek
2023	Zoology	Rashmi Saini	Hypoxia: syndicating triple negative breast cancer against various therapeutic regimens.	Frontiers in Oncology

2023	Zoology	Rashmi Saini	The role of nanocomposites against biofilm infections in humans.	Frontiers in Cellular and Infection Microbiology
2023	Zoology	Rashmi Saini	Dietary antioxidants and their potential role in human disease management.	Current Nutrition and Food Science
2023	Zoology	Rashmi Saini	Emerging Nanotechnological Applications in Preserving and Improving the Shelf Life of Food.	Pharmaceutical Nanotechnology
2023	Zoology	Rashmi Saini	Identification of Gram negative bacterium <i>Candidatus liberibacter asiaticus</i> (CLas) causing Citrus Greening Disease by Multicopy gene.	Indian Journal of Applied & Pure Biology
2023	Zoology	Rashmi Saini	Potential of <i>Tinospora cordifolia</i> in effective management of Citrus Greening Disease by alteration in life cycle stages of the vector <i>Diaphorina citri</i> .	Indian Journal of Natural Science
2023	Zoology	M. Divya Ganeswari	Molecular docking of triterpenoids from Neem with the ecdysone receptor of lepidopteran pests	Indian Journal of Natural Products and Resources
2023	Zoology	Prof. Poonam Sharma	IN SILICO ANALYSIS OF TECOVIRIMAT A REPURPOSED DRUG AGAINST THE MONKEYPOX VIRUS, ITS OFF-TARGET HUMAN PROTEINS, AND IMPACT ON HUMAN HEALTH	International Journal of Applied Pharmaceutics
2023	Zoology	Jasvinder Kaur	Comparative genomics of seven genomes of genus <i>Idiomarina</i> reveals important halo adaptations and genes for stress response	3 Biotech
2023	Zoology	Smiriti Sharma	Influence of age, diurnal cycle, and plant and non-plant surfaces on oviposition by <i>Spodoptera litura</i> (Fabricius)(Lepidoptera: Noctuidae)	International Journal of Tropical Insect Science

2023	Zoology	Prof. Poonam Sharma	Virtual screening of gut microbiome bacteriocins as potential inhibitors of stearoyl-CoA desaturase 1 to regulate adipocyte differentiation and thermogenesis to combat obesity	J. Biomol. Struct. Dyn.
2023	Zoology	Prof. Poonam Sharma	Current Eco-friendly and Sustainable Methods for Heavy Metals Remediation of Contaminated Soil and Water: Special Emphasis on Use of Genetic Engineering and Nanotechnology	Pollution
2023	Zoology	Dr. Chaitali Ghosh	New face in the row of bioactive compounds and toxin-antitoxin modules: Xenorhabdus nematophila(Review)	Journal of Asia-Pacific Entomology