

Research Publications in Journals			
S. no.	Faculty (Department)	Title of the paper and publication details	Year of publication
1	Dr. Atika Chandra (Botany)	“Is Omicron mild”? Testing this narrative with the mutational landscape of its three lineages and response to existing vaccines and therapeutic antibodies. <i>Journal of Medical Virology</i> . 94: 83521-3539.	2022
2	Dr. Atika Chandra (Botany)	Comprehending the evolution of gene editing platforms for crop trait improvement. <i>Frontiers in Genetics</i> . 13: 876987.	2022
3	Dr. Pooja Baweja (Botany)	Harnessing heterosis and male sterility in soybean [<i>Glycine max</i> (L.) Merrill]: A critical revisit. <i>Frontiers in Plant Science</i> . 13: 981768.	2022
4	Dr. Pooja Baweja (Botany)	Angiotensin-converting enzyme inhibitory peptides and isoflavonoids from soybean [<i>Glycine max</i> (L.) Merr.]. <i>Frontiers in Nutrition</i> . 9: 1068388.	2022
5	Dr. Rama Sisodia (Botany)	Cadmium Mediated Modulation of Growth and Physiology of Medicinal Plant <i>Catharanthus roseus</i> . <i>Indian Journal of Agricultural Biochemistry</i> . 35: 2138-144.	2022
6	Dr. Atika Chandra (Botany)	Comprehending the dynamism of B chromosomes in their journey towards becoming unselfish. <i>Frontiers in Cell and Developmental Biology</i> . 10: 1072716.	2023
7	Dr. Sandeepa Singh (Botany)	Targeting envelope proteins of poxviruses to repurpose phytochemicals against monkeypox: An in silico investigation. <i>Frontiers in Microbiology</i> . 13: 1073419.	2023
8	Dr. Monika Heikrujam (Botany)	Amelioration of the physio-biochemical responses to salinity stress and computing the primary germination index components in cauliflower on seed priming. <i>Heliyon</i> . 9: 3e14403.	2023
9	Dr. Anamika Singh (Botany)	Integration of microalgae-based wastewater bioremediation–biorefinery process to promote circular bioeconomy and sustainability: A review. <i>Clean - Soil, Air, Water</i> . 51: 32100407.	2023
10	Dr. Pooja Baweja (Botany), Prof. Haritma Chopra (Chemistry), Dr. Pinkey B. Gandhi (Chemistry)	A tale of Air quality Index (AQI) in India: pre- and during the COVID – 19 Pandemic. <i>Applied Ecology and Environmental Sciences</i> . 10: 432-443.	2023
11	Dr. Ankita Chaudhary (Chemistry)	2,3-Diaminomaleonitrile: A multifaceted synthon in organic synthesis. <i>Current Organic Synthesis</i> . 19: 5616-642.	2022
12	Dr. Hema Bhandari (Chemistry)	A sustainable approach for the synthesis of bismuth molybdate by continuous flow method using custom design reactor and their photocatalytic application for environmental remediation. <i>Applied Nanoscience (Switzerland)</i> . 12: 82497-2509.	2022
13	Dr. Hema Bhandari (Chemistry)	Statistical optimization of process conditions for photocatalytic degradation of phenol with Bismuth molybdate photocatalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> . 135: 42175-2194.	2022

14	Dr. Hema Bhandari (Chemistry)	A review on recent progressions of Bismuth ferrite modified morphologies as an effective photocatalyst to curb water and air pollution. <i>Inorganic Chemistry Communications</i> . 144: 109834.	2022
15	Dr. Durgesh Kumar (Chemistry)	An understanding of coronavirus and exploring the molecular dynamics simulations to find promising candidates against the Mpro of nCoV to combat the COVID-19: A systematic review. <i>Journal of Infection and Public Health</i> . 15: 111326-1349.	2022
16	Dr. Rajni Johar Chhatwal (Chemistry)	Bio-modified pyrotechnic composite materials for firefighting application. <i>Fire and Materials</i> . 46: 81168-1179.	2022
17	Dr. Rajni Johar Chhatwal (Chemistry)	Hot aerosol-based next-generation fire suppression system: A halon alternative. <i>Indian Journal of Environmental Protection</i> . 42: 121411-1424.	2022
18	Dr. Lata Vodwal (Chemistry)	Zn-Cr-LDH ²⁺ -based Nano-Hybrids assembling at the presence of anions to Sense gas. <i>European Chemical Bulletin</i> . 12: 233-243.	2023
19	Dr. Ankita Chaudhary, Dr. Ritu Gaba, Prof. Haritma Chopra (Chemistry)	Deep eutectic solvent-mediated expedient multicomponent synthesis of oxazine scaffolds. <i>Research on Chemical Intermediates</i> . 48: 2267-2278.	2023
20	Dr. Rajni Johar Chhatwal (Chemistry)	Fujiwara-Moritani assisted synthesis of conjugated 2,3-Dihydrofuran Trienes and corresponding 2,3-Dihydrobenzofuran derivative. <i>ChemistrySelect</i> . 8: 2e202204064.	2023
21	Dr. Ankita Chaudhary (Chemistry)	Odyssey of deep eutectic solvents as sustainable media for multicomponent reactions: An update. <i>Mini-Reviews in Organic Chemistry</i> . 20: 2156-189.	2023
22	Dr. Hema Bhandari (Chemistry)	A sustainable approach for the removal of toxic 4-nitrophenol in the presence of H ₂ O ₂ using visible light active Bi ₂ MoO ₆ nanomaterial synthesized via continuous flow method. Reaction Kinetics, Mechanisms and Catalysis. https://doi.org/10.1007/s11144-023-02402-2	2023
23	Dr. Rajni Johar Chhatwal (Chemistry)	Isolated phytochemicals and biological activities of <i>Dendrophthoe falcata</i> : A Review. <i>Asian Journal of Chemistry</i> . 35: 4805-814.	2023
24	Dr. Rajni Johar Chhatwal (Chemistry)	Performance evaluation of guar gum and conventional binders based fire-extinguishing aerosol-forming composites. <i>Fire and Materials</i> . : .	2023
25	Dr. Ankita Chaudhary (Chemistry)	Sugars in multicomponent reactions: A toolbox for diversity-oriented synthesis. <i>Synthesis (Germany)</i> . 55: 71007-1041.	2023
26	Dr. Shikha Badhani (Computer Science)	GENDroid - a graph-based ensemble classifier for detecting Android malware. <i>International Journal of Information and Computer Security</i> . 18: 44989327-347.	2022
27	Dr. Jyotsna Talreja Wassan, Dr. Veena Ghuriani (Computer Science)	An integrative approach towards recommending farming solutions for sustainable agriculture. <i>Journal of Experimental Biology and Agricultural Sciences</i> . 11: 306-315.	2023
28	Dr. Meenu Kumari (Hindi)	Rashmirathi me dalit chetna. <i>Education Plus</i> . 12:.	2022
29	Dr.Mamta Dhawan (Hindi)	Bhartiya loksanskriti mein Prem tatha Dharmik loknatak. <i>कला वसुधा</i> . 22: 63-64.	2022
30	Dr. Anita Devi (Hindi)	Manushya bane ki sadhana karana badi baat h: Acharya Hajari Prasad Divedi. <i>Samvedana</i> . V: 58-60.	2023
31	Dr. Mamta Dhawan (Hindi)	Dilli se bahar bhi rangmanch hota hai . <i>वर्तमान साहित्य</i> . 40: 42-46.	2023
32	Dr. Mamta Dhawan (Hindi)	Noutanki shaili ka itihās : Atul yaduvanshi ka yogdaan. <i>आजकल</i> . 30-33.	2023

33	Prof. Pardeep Rai (Library), Ms. Shaifali (Commerce)	Job satisfaction of library professional in colleges: A study of North Campus Libraries. <i>Journal of Library and Information Communication</i> . Tec11: 69-88.	2022
34	Prof. Pardeep Rai (Library)	Online Information Services during Covid-19 in college libraries. <i>Journal of Library and Information Communication</i> . Tec11: 89-95.	2022
35	Dr. Geetan Manchanda (Mathematics)	Super-stable spline-in-tension numerical method of order three(four) for the second order nonlinear IVPs. <i>Journal of Mathematical Chemistry</i> . 61: 950-974.	2023
36	Dr. Geetan Manchanda (Mathematics)	On numerical solution of boundary layer flow of viscous incompressible fluid past an inclined stretching sheet in porous medium and heat transfer using spline technique. <i>MethodsX</i> . 10: 102035.	2023
37	Dr. Neetu Arneja (Mathematics)	Optimization of a periodically assessing model with manageable lead time under SLC with back order rebate for deteriorating items. <i>International Journal of System Assurance Engineering and Management</i> . 14: 1241-266.	2023
38	Dr. Neelam Singh (Physics)	Nanocomposite based hydroelectric cells: Working principle and production of green electrical energy. <i>Inorganic Chemistry Communications</i> . 141: 109515.	2022
39	Dr. Neelam Singh (Physics)	Highly efficient and sustainable MXene based heterostructure composites filled with ferrites and MWCNTs to mitigate the radiation interference in X-band frequency region. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> . 282: 115798.	2022
40	Dr. Shalini Lumb Talwar (Physics)	Generation of adiabatic pulses. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> . 144: 115431.	2022
41	Dr. Neelam Singh (Physics)	Alkali (Na, K) doped SnO ₂ : An investigation on the role of microstructure on electricity generation of oxide based ceramic hydroelectric cells. <i>Inorganic Chemistry Communications</i> . 146: 110115.	2022
42	Dr. Vasudha Agarwal (Physics)	Oxygen vacancy-induced enhancement in magnetism and magneto-transport properties in Sm _{0.55} Sr _{0.45} MnO ₃ thin films. <i>Applied Physics A: Materials Science and Processing</i> . 128: 121135.	2022
43	Dr. Prajwalit Shikha (Physics)	A study of earthing system for 132/33Kv substation of Gevra Mega Open Cast Coal Mine of Korba Coalfields in Chattisgarh. <i>Education and Society</i> . 46: 67-78.	2023
44	Dr. Savvi Mishra (Physics)	Going green and sustainable with graphene: A wider prospect. <i>Materials Today: Proceedings</i> . 73: 372-375.	2023
45	Dr. Harmeet Kaur (Punjabi)	Zindagi di paribhasha: Class. <i>Shabad Boond</i> . 209: 17.	2022
46	Dr. Hemlata Rani (Sanskrit)	Dharshanon mein Ishvar chintan. <i>Aarsh Jyoti</i> . 13: 85.	2022
47	Dr. Bijayani Mishra (Sociology)	Remembering revolution: Gender, violence and subjectivity in India's Naxalbari Movement. <i>Vantage: Journal of Thematic analysis</i> . 3: 133-135.	2022
48	Dr. Anurita Jalan (Sociology)	Single women recreating family: An exploration of the role of the collective in empowering women. <i>Vantage: Journal of Thematic analysis</i> . 3: 46-67.	2022
49	Dr. Neeraj Kumar (Sociology)	Vaishbikaran aur upbhog mein sanskritik parivartan: Fast-food ke sandarbh mein. <i>Bhartiya Samajshastra Sameeksha</i> . 9 (2): 212-230.	2022
50	Dr. Bijyani Mishra (Sociology)	सरीला रॉय (2017), रिमेम्बरिंग रेवोल्यूशन: जेंडर, वायलेंस एंड सब्जेक्टिविटी इन इंडियास नक्सलबाड़ी मूवमेंट न्यू दिल्ली. <i>Bhartiya Samajshastra Sameeksha</i> . 9: 231-234.	2022
51	Dr. Brototi Roy (Zoology)	Sustainable food production through integrated rice-fish farming in India: a brief review. <i>Renewable Agriculture and Food Systems</i> . 37: 1-9.	2022

52	Dr. Renu Gupta (Zoology)	A comparative study of physical and chemical parameters and ciliate diversity of leachate contaminated soil from the landfill and the soil from the human inhabitant land. <i>Eurasian Soil Science</i> . 55: 81161-1172.	2022
53	Dr. Jyoti Singh, Dr. Meena Yadav (Zoology)	Assessment of status, awareness, and attitude associated with childhood immunization in Delhi-NCR. <i>Asian Pacific Journal of Health Sciences</i> . 9: 40-45.	2022
54	Dr. Meena Yadav (Zoology)	Reproductive behaviour of predaceous ladybirds (Coleoptera: Coccinellidae): A review. <i>International Journal of Tropical Insect Science</i> . 42: 43083-3095.	2022
55	Dr. Meena Yadav (Zoology)	Evaluation of TiO ₂ nanoparticles physicochemical parameters associated with their antimicrobial applications. <i>Indian Journal of Microbiology</i> . 62: 3338-350.	2022
56	Dr. Brototi Roy (Zoology)	Impact of xenoestrogens on sex differentiation and reproduction in teleosts. <i>Aquaculture and Fisheries</i> . 7: 5562-571.	2022
57	Dr. Jaspreet Kaur, Dr. Princy Hira, Dr. Priya Singh (Zoology)	Microbial journey: Mount Everest to Mars. <i>Indian Journal of Microbiology</i> . 62: 3323-337.	2022
58	Dr Brototi Roy (Zoology), Meena Yadav (Zoology), Gopi D Tripathy (Sociology)	On the idea of a university. <i>Vantage: Journal of Thematic Analysis</i> . 3: 44930.	2022
59	Dr. Jaspreet Kaur (Zoology)	Revisiting dietary effects on the gut microbiota and their implications in health and disease. <i>Microsphere</i> . 1: 102-112.	2022
60	Dr. Archana Aggarwal, Dr. Rakhi Gupta (Zoology)	Efficacy of phyto-therapeutics in allergic rhinitis: A review. <i>Indian Journal of Natural Products and Resources</i> . 13: 4451-459.	2022
61	Dr. Jaspreet Kaur (Zoology)	From sequence analysis to application: Role of Bioinformatics to understand biological systems. <i>Resonance</i> . 27: 122069-2098.	2022
62	Dr. Brototi Roy (Zoology)	Molecular cloning, characterization and 3D modelling of spotted snakehead fbn1 C-terminal region encoding asprosin and expression analysis of fbn1. <i>Scientific Reports</i> . 13: 14470.	2022
63	Dr. Meena Yadav (Zoology)	Plant-derived molecules for the treatment of Tuberculosis: A review. <i>Iraqi Journal of Pharmaceutical Sciences</i> . 31: 21-13.	2022
64	Dr. Brototi Roy (Zoology)	Teleost NOD-like receptors and their downstream signaling pathways: A brief review. <i>Fish and Shellfish Immunology Reports</i> . 3: 100056.	2022
65	Dr. Renu Gupta (Zoology)	DNA barcoding, an effective tool for species identification: a review. <i>Molecular Biology Reports</i> . 50: 1761-775.	2023
66	Dr. Meena Yadav (Zoology)	Enhancing antibacterial properties of bacteriocins using combination therapy. <i>Journal of Applied Biology and Biotechnology</i> . 11: 1232-243.	2023
67	Dr. A. Vineetha (Zoology)	Larvicidal, pupicidal and field evaluation of <i>Cassia siamea</i> against the malarial vector, <i>Anopheles stephensi</i> (Diptera: Culicidae). <i>International Research Journal of Management Science & Technology</i> . 14: 127-139.	2023
68	Dr. Brototi Roy (Zoology)	Crosstalk between reproductive and immune systems: the teleostean perspective. <i>Journal of Fish Biology</i> . 102: 2302-316.	2023
69	Dr. Princy Hira (Zoology)	Weaponising microbes for peace. <i>Microbial Biotechnology</i> . 00: 1-21.	2023

70	Dr. Jyoti Singh, Prof. Renu Gupta, Dr. Archana Aggarwal (Zoology)	Evaluation of selected physicochemical parameters to assess quality status of drinking water in Delhi, India. <i>Vantage: Journal of Thematic Analysis</i> . 4: 18-32.	2023
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