

**Publications in UGC listed Journals-2022**

<b>Title of paper</b>	<b>Name of the author/s</b>	<b>Department of the teacher</b>	<b>Name of journal</b>	<b>Year of Publication</b>	<b>ISSN number</b>
Biodiversity Conservation of Plants: The Role of Ethnic and Indigenous Populations	Prof. Payal Mago	Environmental Science	Annals of Forest Research	2022	18448135, 20652445
Resveratrol-Loaded Glutathione-Coated Collagen Nanoparticles Attenuate Acute Seizures by Inhibiting HMGB1 and TLR-4 in the Hippocampus of Mice	Dr. Indu Arora	Biomedical Science	ACS Chemical Neuroscience	2022	19487193
Nanonization of Magnoflorine-Encapsulated Novel Chitosan-Collagen Nanocapsules for Neurodegenerative Diseases: <i>In Vitro</i> Evaluation	Dr. Indu Arora	Biomedical Science	ACS Omega	2022	24701343
Mitochondrial biogenesis gene <i>POLG</i> correlates with outcome in Pediatric AML	Prof. Radhika Bakshi	Biomedical Sciences	Leukemia & Lymphoma	2022	1042-8194
Integrative chemometric approach and correlative metabolite networking of LC-MS and <sup>1</sup> H NMR based urine metabolomics for radiation signatures	Prof. Radhika Bakshi	Biomedical Sciences	Molecular Omics	2022	25154184
Inculcating scientific temper amongst first responders to crime	Prof. Jasjeet Kaur	Chemistry	Indian Journal of Public Administration	2022	0019-5561
A comparative evaluation of fluorescent powder compositions for developing latent fingerprints on a legion of surfaces	Prof. Jasjeet Kaur	Chemistry	Journal of Punjab Academy of Forensic Medicine	2022	0972-5687
Scientific racism faced by Indian fingerprint scientists during colonial rule: Need to correct a historical wrong	Prof. Jasjeet Kaur	Chemistry	Journal of Scientific Temper	2022	2278-2788
Forensic importance of gunshot residue analysis: A review	Prof. Jasjeet Kaur	Chemistry	International Journal of Medical Toxicology and Legal Medicine	2022	0972-0448
Profiling the Impact of Choline Chloride on the Self-assembly of Collagen Mimetic Peptides (Pro-Hyp-Gly) <sub>10</sub>	Dr. Anjeeta Rani	Chemistry	Process Biochemistry	2022	1359-5113
Effects of Wet Processing on Physicochemical and Functional Characteristics of Millet Flour	Prof. Ranjana Singh	Food Technology	Current Research in Nutrition and Food Science	2022	2322-0007
Potential and unrealized future possibilities of brown top millet in the food sector. A systematic Review	Prof. Ranjana Singh	Food Technology	Frontiers in Sustainable Food Systems	2022	2571581X
Functionalization of ash gourd: Infusion of citrus peel polyphenols through vacuum	Dr. Jyoti Nishad	Food Technology	Food Bioscience	2022	2212-4292
Jamun ( <i>Syzygium cumini</i> (L.) Skeels) seed bioactives and its biological activities: A review.	Dr. Jyoti Nishad	Food Technology	Food Bioscience	2022	2212-4293
Jamun ( <i>Syzygium cumini</i> (L.) Skeels) Seed: A Review on Nutritional Profile, Functional food properties, health-promoting applications, and safety aspects.	Dr. Jyoti Nishad	Food Technology	Processes	2022	2227-9717
Investigation of piecewise linear chaotic map as a diffusion model for image encryption	Dr. Sunil Kumar	Instrumentation	Multimedia Tools and Applications	2022	13807501, 15737721
A new encryption model for multimedia content using two dimensional Brownian motion and coupled map lattice	Dr. Sunil Kumar	Instrumentation	Multimedia Tools and Applications	2022	13807501, 15737721
Detection of Breast Cancer Cell-MDA-MB-231 by Measuring Conductivity of Schottky Source/Drain GaN FinFET,	Dr. Sneha Kabra, Ms. Himani Dua Sehgal	Instrumentation	IEEE Sensors Journal	2022	1558-1748, 1530-437X
Tailoring nanoparticles design for enhanced heating efficiency and improved magneto-chemo therapy for glioblastoma	Dr. Ravi Kumar	Instrumentation	Biomaterials Advances	2022	2772-9516, 2772-9508
Analyzing the Impact of Different Composite Dielectrics on Performance Parameters of a Magnetic Tunnel Junction Memory Device	Dr. Reshma Sinha	Instrumentation	Journal of Electronic Materials	2022	03615235, 1543186X
Detection of Breast Cancer Cell-MDA-MB-231 by Measuring Conductivity of Schottky Source/Drain GaN FinFET	Dr. Sneha Kabra, Ms. Himani Dua Sehgal	Instrumentation	IEEE Sensors	2022	1530-437X
Small Signal Analysis of Double Channel AlGaIn/GaN HEMT and MOSHEMT With Undoped Barrier for Microwave Applications	Dr. Sneha Kabra	Instrumentation	Journal of Electronic Materials	2022	0361-5235
Sensitivity Analysis of T-ZnO/AlGaIn/GaN HEMT Uric Acid Sensor and Impact of Surface Wettability	Dr. Sneha Kabra	Instrumentation	IEEE Sensors	2022	1530-437X
An enumeration technique for a Transshipment problem in Neutrosophic environment	Dr. Ritika Chopra	Maths	Neutrosophic Sets and Systems	2022	2331-6055

Effect of change in environment on reliability growth modeling integrating fault reduction factor and change point: a general approach	Dr. Nidhi Nijhawan	Management Studies	Annals of Operations Research	2022	1572-9338,0254-5330
UV effect on etching parameters and activation energy of CR-39 plastic detector	Dr. Ashok Kumar	Physics	Pramana	2022	0973-7111
Impact of X-rays on fission fragments track etch parameters in Lexan detector as analyzed by FTIR spectroscopy	Dr. Ashok Kumar	Physics	International Journal of Modern Physics E	2022	1793-6608
Synthesis, structural and physical properties of ABO <sub>3</sub> based hexagonal polytypes: A review and discussion	Dr. Amit Kumar	Physics	Physica B: Condensed Matter	2022	0921-4526
An electrochemical study of the binding interaction between chitosan and MPA-CdSe QDs for the development of biocompatible theranostic nanoprobe	Dr. Kishan Das	Physics	Journal of Molecular Liquids	2022	0167-7322
The Advent of Nutrigenomics: A Narrative Review with an Emphasis on Psychological Disorders	Dr. V. A. Pratyusha	Biochemistry	Preventive Nutrition and Food Science	2022	2287-8602
The Advent of Nutrigenomics: A Narrative Review with an Emphasis on Psychological Disorders	Dr. Bhawana	Biochemistry	Preventive Nutrition and Food Science	2022	2287-8602
Microbial Dyes for Textiles: A Sustainable Alternative to Synthetic Dyes	Dr. Rekha Mehrotra, Dr. Richa Sharma, Dr. Kohinoor Kaur	Microbiology	Journal of the Textile Association	2022	0368-4636

### Publications in peer-reviewed journals-2022

Title of the Paper	Name of the author/s	Department of the faculty	Name of the Journal	Year of Publication	ISSN Number
Bishnoi community model: an Indian Ecological Feminist approach to environment protection	Prof. Payal Mago, Dr. Nupur Gosain	Environmental Sciences	Ecofeminism and Climate Change	2022	2633-4062
An in-vitro assessment of anti-inflammatory, antioxidant, and anti-hyperglycemic activities of traditional edible plants - <i>Murraya koenigii</i> , <i>Mentha spicata</i> , and <i>Coriandrum sativum</i> . <i>Journal of Biomedical and Therapeutic Sciences</i>	Dr. Varsha Mehra	Biomedical Science	Journal of Biomedical and Therapeutic Science	2022	2394-2274
Saliva: A non-invasive and multifaceted tool in the sphere of diagnostics	Dr. Sadhna Jain, Dr. Lakshmi Sarin	Biochemistry	Journal of Pharmaceutical Sciences and Research	2022	0975-1459
Intermittent fasting: A panacea for good health	Dr. Sadhna Jain, Dr. Lakshmi Sarin, Dr. V. A. Pratyusha	Biochemistry	International Journal of Food and Nutritional Sciences	2022	2319-1775
The multifarious influence of caffeine on metabolic and cognitive functioning	Dr. Sadhna Jain, Dr. Lakshmi Sarin	Biochemistry	International Journal of Innovation and Multidisciplinary Research	2022	2583-4452
CovFakeBot: a machine learning based chatbot using ensemble learning technique for COVID-19 fake news detection	Dr. Deepali Bajaj and Ms. Urmil Bharti	Computer Science	International Journal of Artificial Intelligence and Soft Computing	2022	1755-4950
A Comprehensive Survey on Covid-19 Prediction Models.	Ms. Neha Gandhi	Computer Science	Vivekananda Journal of Research	2022	2319-8702
Autocertigen: Revolutionizing the Automation of Electronic Batch Certificate Generation Using Apache Libraries	Ms. Tina Sachdeva	Computer Science	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2022	2583-4452
3D Food Printing & its application: A Review.	Prof. Ranjana Singh	Food Technology	International Journal of Innovation &	2022	2583-4482

			Multidimensional Research		
Potential of Underutilized & Neglected local Fruits of Uttarakhand—A Review	Prof. Ranjana Singh	Food Technology	International Journal of Innovation & Multidimensional Research	2022	2583-4482
Application of Nanosensor in Food Packaging: A Review	Prof. Ranjana Singh	Food Technology	International Journal of Innovation & Multidimensional Research	2022	2583-4482
A study to collate the physical parameters and gluten content of three different wheat cultivars	Dr. Para Dholakia Ms. Vandana Arya, Dr. Prabhjot Kaur Sabharwal	Food Technology	International Journal of Innovation and Multidisciplinary Research	2022	25834452
Development of probiotic tomato kulfi	Dr. Prabhjot Kaur Sabharwal	Food Technology	Indian Journal of Dairy Science	2022	24542172
Preparation of Antibacterial Smart Biofilm using Agri Waste	Dr. Twinkle Kumar Sachchan, Ms. Saumya Chaturvedi	Food Technology	International Journal for Innovative Research In Multidisciplinary Field	2022	2455-0620
Natural Toxicants As Potential Health Hazards: An Overview	Dr. Twinkle Kumar Sachchan	Food Technology	International Journal of Multidisciplinary Educational Research	2022	2277-7881
Date Palm Seeds: An Agro-waste Product used as a Caffeine Free Functional Beverage	Ms. Saumya Chaturvedi, Dr. Twinkle Kr. Sachchan	Food Technology	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2022	2583-4452
Anthocyanins – Applications in Smart Packaging	Dr. Twinkle Sachchan, Dr. Jyoti Nishad	Food Technology	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2022	2583-4452
Beverage and Soft Drinks Packaging: An Awareness Survey	Dr. Twinkle Kumar Sachchan, Ms. Saumya Chaturvedi	Food Technology	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2022	2583-4452
Impact of Covid-19 pandemic on the mental health of undergraduate students in India: A cross sectional study using statistical analysis	Dr. Daya Bhardwaj	Instrumentation	IJAMR, 2(2), 1-9.	2022	ISSN-2583-4452
Unnatural Nucleotides: Exploring the Information Storage System of DNA	Dr. Rekha Mehrotra, Dr. Kohinoor Kaur	Microbiology	Archives of Clinical and Biomedical Research	2022	2572-5017
From Representation to Re-Presentation: A Study of Disability in Literature and Cinema	Dr. Rituraj Anand	English	International Journal of Innovation and Multidisciplinary Research	2022	2583-2252
Unnatural Nucleotides: Exploring the Information Storage System of DNA	Ms. Aarti Yadav	Microbiology	Archives of Clinical and Biomedical Research	2022	2572-5019
Edible Mushrooms: Nature's superfood for health and wellbeing	Dr. Rekha Mehrotra, Dr. Kohinoor Kaur	Microbiology	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2022	2583-4452
Harnessing sustainable biogas energy from organic waste.	Dr. Rekha Mehrotra, Dr. Kohinoor Kaur	Microbiology	International Journal of Innovation and Multidisciplinary	2022	2583-4452

			Research (IJAMR)		
Knowledge Management Database on Agricultural information in selective institutions of the Indian Council of Agricultural Research: A Comprehensive Study	Prof. Projes Roy	Library	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2022	2583-4452
Ambedkar and Annihilation of Caste–Performing Theory, Praxis, Counter Identity	Mr. Piyush B Chaudhary	English	International Journal of Applied Ethics (IJAE)	2022	2321 – 2497
Intergenerational differences in seeking help for psychological distress: Role of self-stigma and perceived social support	Dr. Komal Chandiramani	Psychology	Journal of Psychosocial Research	2022	0973-5410
RO purifier: Working and health implications attributed to low TDS levels	Dr. Smita Sundaram	Environmental Studies	International Journal of Innovation and Multidisciplinary Research (IJAMR)	2022	2583-4452
Sustainable Environmental and Cultural Practices of Majuli, India: A Case Study	Prof. Payal Mago, Dr. Smita Sundaram, Dr. Alok Singh, Dr. Nupur Gosain, Dr. Lakshmi Sarin, Dr. Sandeep Mishra, Dr. Bhawana Sharma, Dr. Mohita Bhagat, Dr. Tarun Kumar, Dr. Rituraj Anand, Dr. Rajdeep Singh, Dr. Subhash Manda	Environmental Studies	SSRN	2022	1556-5068