

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the year

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
Up-regulation of fibroblast growth factor receptor 1 due to prenatal tobacco exposure can lead to developmental defects in new born	Pallavi Saxena, Dibyabhabha Pradhan, Rashmi Verma, Shashi Nandar Kumar, Ravi Deval, Arun Kumar Jain	Biotechnology	The Journal of Maternal-Fetal & Neonatal Medicine	2020	1475-7058
Predicting risk of low birth weight offspring from maternal features and blood polycyclic aromatic hydrocarbon concentration	Shashi Nandar Kumar, Pallavi saxena, Rachana Patel, Arun Sharma, Dibyabhabha Pradhan, Harpreet Singh, Ravi Deval, Santosh Kumar Bhardwaj, Depa Borgohain, Nida Akhtar, Sheikh Raisuddin, Arun Kumar Jain	Biotechnology	Reproductive Toxicology	2020	089-6238
Fusarium head blight in wheat: contemporary status and molecular approaches	Mohd Khan, Anamika Pandey, Tabinda Athar, Saumya Choudhary, Ravi Deval, Sait Gezin, Mehmet Hamurcu, Ali Topal, Emel Atrnaca, Pamela Aracena Santos, Makbule Rumeysa Omay, Hatice Suslu, Kamer Gulcan, Merve Inanc, Mahinur S Akkaya, Abdullah Kahraman, George Thomas	Biotechnology	3 Biotech	2020	2190-5738
Psoriasis and cardiovascular disorders: association or epiphenomenon? Meta-analysis of observational studies	Saumya Choudhary, Rachana Patel, Dibyabhabha Pradhan, Ravi Deval, Harpreet Singh, George Thomas, Arun Kumar Jain	Biotechnology	3 Biotech	2020	2190-5738
Role of cytochrome P450 in Prostate Cancer and its Therapy	Rishabh Kaushik, Sheeza Khan, Meesha Sharma, Srinivasan Hemalatha, Zeba Mueed, Nitesh K Poddar	Biotechnology	Current Enzyme Inhibition	2020	1875-6662
Cross-Interplay between Osmolytes and mTOR in Alzheimer's disease pathogenesis:	Z Mueed, D Mehta, PK Rai, MA Kamal, NK Poddar	Biotechnology	Current Pharmaceutical Design	2020	1381-6128
Foliar application of elicitors enhanced the yield of withanolide contents in Withania somnifera (L.) Dunal (variety, Poshtia)	Manali Singh, Nitesh Kumar Poddar, Dipati Singh and Sanjeev Agrawal	Biotechnology	3 Biotech	2020	2190-5738
Re-teating reported significant SNPs related to suicide in a historical high-risk isolated population from north east India	Gaurav Gupta, Ravi Deval, Anshuman Mishra, Shashank Upadhyay, Piyosh Kumar Singh, VR Rao	Biotechnology	Hereditas	2020	1605223
Azadirachta indica and Ocimum sanctum leaf extracts alleviate arsenic toxicity by reducing arsenic uptake and improving antioxidant system in rice seedlings	Gautam A, Pandey AK, Dubey RS	Biotechnology	Physiology and Molecular Biology of Plants	2020	0971-5894
Stress responsive gene regulation in relation to hydrogen sulfide in plants under abiotic stress	Akhillesh K Pandey, Arti Gautam	Biotechnology	Physiologia plantarum	2020	1399-3054
Effect of Arsenic Toxicity on Photosynthesis, Oxidative Stress and Alleviation of Toxicity with Herbal Extracts in Growing Rice Seedlings	Gautam A, Pandey AK, Dubey RS	Biotechnology	Indian Journal of Agriculture and Biochemistry	2020	0974-4479
Effect of Arsenic Stress on Expression Pattern of a Rice Specific miR156j at Various Developmental Stages and Their Allied Co-expression Target Networks	Pandey AK, Gadda MR, Verma AK	Biotechnology	Frontiers in plant science	2020	1664-462X
Unravelling molecular mechanisms for enhancing Arsenic tolerance in plants: A review	Gautam A, Pandey AK, Dubey RS	Biotechnology	Plant Gene	2020	2352-4073
Fertilizer prescription based on soil test: crop re-sponse app proach in MARI GOLD URD CROP PING system grown in soils of Uttarakhnad	Varun Tripathi, Ajaya Srivastava, Manali Singh	Biotechnology	Progressive Agriculture	2020	0972-6152
Foliar application of elicitors enhanced the yield of withanolide contents in Withania somnifera (L.) Dunal (variety, Poshtia)	Manali Singh, Nitesh Kumar Poddar, Dipati Singh, Sanjeev Agrawal	Biotechnology	3 Biotech	2020	2190-5738
Epitope based vaccine prediction for SARS-COV-2 by deploying Immuno-informatics approach	A Joshi, BC Joshi, MA Mannan, V Kaushik	Biotechnology	Informatic in medicine unlocked	2020	2352-9148
Determining Putative T-Cell Epitopes for Vaccine Prediction.	N Akhtar, A Joshi, B Singh, V Kaushik	Biotechnology	Infectious disorders drug targets	2020	2212-3989



Decoding the Inter-relationship between Sleep Disorders and Alzheimer's disease Pathogenesis	Zeba Muneed, Pankaj Kumar Rai, Mohammad A Kamal, Nilesh Kumar Poddar	Biotechnology	CNS & neurological disorders drug targets	2020	1996-3181
Cross-interplay between osimoytes and mTOR in Alzheimer's disease Pathogenesis	Zeba Muneed, Devanshu Mehta, Pankaj K Rai, Mohammad A Kamal, Nilesh K Poddar	Biotechnology	Current Pharmaceutical Design	2020	1873-4286.
T cell epitope designing for dengue peptide vaccine using docking and molecular simulation studies	S Krishnan, A Joshi, V Kaushik	Biotechnology	Molecular Simulation	2020	1029-0435
Assessment of Physico-chemical Properties of River Ramganga Water Quality in Moradabad and Bareilly Region of Uttar Pradesh, India	N Javed, DK Prajapati, J Singh, RK Gangwar, R Deval	Biotechnology	International Journal of Pharmaceutical Science and Research	2020	2320-5148
Sustainable Green Technologies for Environmental Management	S Chhabra, R Prasad	Biotechnology	Journal of Cleaner Production	2020	1605223
Machine Learning and Computational Vaccine-A Novel Approach to Vaccine Design against Hepatitis C Virus	Amit Joshi, Pankaj K Rai, Shashank Upadhyay	Biotechnology	Invertis Journal of Renewable Energy	2020	2231-3419
Immunoinformatics designed T cell multi epitope dengue peptide vaccine derived from non structural proteome	S Krishnan, A Joshi, N Akhtar, V Kaushik	Biotechnology	Microbial Pathogenesis	2021	0882-4010
In-silico proteomic exploratory quest: crafting T-cell epitope vaccine against Whipple's disease	A Joshi, V Kaushik	Biotechnology	International Journal of peptide research and Therapeutics	2021	1573-3904
In-silico design of a multivalent epitope-based vaccine against Candida auris	N Akhtar, A Joshi, V Kaushik, M Kumar, MA Mannan	Biotechnology	Microbial Pathogenesis	2021	0882-4010
In-silico designing of epitope-based vaccine against the seven handed grouper nervous necrosis virus affecting fish species	A Joshi, DC Pathak, MA Mannan, V Kaushik	Biotechnology	Network Modeling Analysis in Health Informatics and Bioinformatics	2021	21926670
Design of a Novel and Potent Multivalent Epitope Based Human Cytomegalovirus Peptide Vaccine: An Immunoinformatics Approach	N Akhtar, A Joshi, J Singh, V Kaushik	Biotechnology	Journal of Molecular Liquids	2021	0167-7322
Beneficial microbiomes for bioremediation of diverse contaminated environments for environmental sustainability: present status and future challenges	Divyot Kour, Tanvir Kaur, Rubee Devi, Ashok Yadav, Manali Singh, Divya Joshi, Jyoti Singh, Deep Chandra Snyal, Ajay Kumar, Vishnu D Rajput, Ajar Nath Yadav, Karan Singh, Joginder Singh, Riyaz Z Sayyed, Navreen Kumar Avora, Anil Kumar Saxena	Biotechnology	Environmental Science and Pollution Research	2021	1614-7499
Aquaporins Responses under Challenging Environmental Conditions and Abiotic Stress Tolerance in Plants	Arti Gautam, Akhilesh Kumar Pandey	Biotechnology	The Botanical Review	2021	0006-8101
Galactose-Clicked Curcumin-Mediated Reversal of Meropenem Resistance among Klebsiella pneumoniae by Targeting its Carboxypeptidases and the AcrAB-TolC Efflux System	Shivangi Yadav, Ashish Kumar Singh, Anand K Agrahari, Akhilesh Kumar Pandey, Munesh Kumar Gupta, Dipshikha Chakravorty, Vinod Kumar Tiwari, Pradyot Prakash	Biotechnology	Antibiotics	2021	2079-6382
Evaluation of antimicrobial activity and biofilm inhibition potential of Nelumbo nucifera Seed Extract Encapsulated Silver Nanoparticle	SEEMAB Siddiqui, PANKAJ KUMAR Rai, RUCHI Singh, DINESH Kumar	Biotechnology	Int. J. Pharm. Res	2021	0975-2366
Novel methanotrophic and methanogenic bacterial communities from diverse ecosystems and their impact on environment	Manish Kumar, Ajar Nath Yadav, Raghvendra Saxena, Pankaj Kumar Rai, Dilip Paul, Rajesh Singh Tomar	Biotechnology	Biocatalysis and Agricultural Biotechnology	2021	2045-2322
Association between Maternal Thyroid Hormone Level and Fetal Weight	Zeba Muneed, Pankaj Kumar Rai, A. K. Jain, R. Deval.	Biotechnology	Journal of Pharmaceutical Research International	2021	2456-9119
Ovarian Cancer Biomarkers: Headway Towards early diagnosis.	Zeba Muneed, Pankaj K Rai, Seem ab Siddique, Poddar NK.	Biotechnology	Current Chemical Biology	2021	1872-3136
Saponins: Extraction, bio-medical properties and way forward to antiviral representatives	Pallavi Sharma, Arti Tragi, Pavin Bhransali, Shubra Pareek, Vineeta Singh, Ashal Iyias, Rajeev Mishra, Nilesh Kumar Poddar	Biotechnology	Food and Chemical Toxicology	2021	0278-6915
Effect of Drying and Extraction Methods on Phytochemicals and Free Radical Scavenging Activity of Camellia asamica	Er. Abhirup Mitra	Agriculture	Natural Volatiles & Essential Oils (NVEO)	2021	e-ISSN: 2148-9637
Turmeric production composition and its non conventional uses	Er. Abhirup Mitra	Agriculture	The Pharma Innovation	2021	e-ISSN: 2277-7695
A brief review on the utilization of waste products from the meat industry	Er. Abhirup Mitra	Agriculture	International Journal of All Research Education and Scientific Methods	2021	ISSN: 2455-6211

Turmeric production composition and its non conventional uses	Dr Soniya Joshi	Agriculture	Natural Volatiles & Essential Oils (NVEO)	2021	e-ISSN: 2148-9637
A brief review on the utilization of waste products from the meat industry	Dr. Soniya Joshi	Agriculture	The Pharma Innovation	2021	e-ISSN: 2277-7695
Screening of different rice germplasms against yellow stem borer ( <i>Scirpophaga incertulas</i> )	Dr Soniya Joshi	Agriculture	International Journal of Research and Analytical Reviews	2021	e-ISSN: 2348-1269
Agrobacterium rhizogenes as molecular tool for the production of hairy roots in <i>Mithana somnifera</i>	Dr Soniya Joshi	Agriculture	The Pharma Innovation	2021	e-ISSN: 2277-7695
Turmeric production composition and its non conventional uses	Dr. Mudita Verma	Agriculture	Natural Volatiles & Essential Oils (NVEO)	2021	e-ISSN: 2148-9637
Development of gluten-free energy bars	Dr. Mudita Verma	Agriculture	The Pharma Innovation	2021	e-ISSN: 2277-7695
Dairy Processing Waste Valorization and Utilization: A Review	Dr. Mudita Verma	Agriculture	International Journal of Research and Analytical Reviews	2021	e-ISSN: 2348-1269
Advancement of herbal skimmed milk powder by fusing different medicinal herbs and its proximate composition	Dr. Mudita Verma	Agriculture	International Journal of All Research Education and Scientific Methods	2021	ISSN: 2455-6211
Effect of Drying and Extraction Methods on Phytochemicals and Free Radical Scavenging Activity of <i>Cannella assamica</i>	Dr Sant Sharan Tripathi	Agriculture	Natural Volatiles & Essential Oils (NVEO)	2021	e-ISSN: 2148-9637
Dairy Processing Waste Valorization and Utilization: A Review	Dr. Akshita Banga	Agriculture	International Journal of Research and Analytical Reviews	2021	e-ISSN: 2348-1269
Common fixed point of fairly compatible in fuzzy metric space	Swati Agnihotri, Kamalesh Kumar Dubey, V.K. Gupta, Arhant Jain	ASH	Italian Journal of Pure and Applied Mathematics	2020	2239-0227
Volume of a Polyhedron Revisited	K.K. Dubey, A. Bhattacharya	ASH	Journal of Seybold Report	2020	1533-9211
Mitigation of Salt stress in wheat with respect to growth, pigments and antioxidative attributes by exogenous application of salicylic acid	Mithlesh Kumar, S.N. pande, K.K.Dubey	ASH	Journal of Applied Biosciences	2021	ISSN (Print) 0975-685X



Mechanistic Vistas of Trivalent Nitrogen Compound Reduction by Samarium Dioxide	Sandipan Maity, S. Hoza	ASH	European Journal of Organic Chemistry	2021	1434-193X
Transfer characteristics analysis of Single Electron transistor	Brijendra Mishra, Arun Kumar Gangwar, Vivek Singh Kushwah, Rishi Sharma	EE	SPAST Abstracts	2022	1938-5862
"Cost Analysis of PV-Wind Hybrid Energy System"	Pankaj Tripathi, Abhishek Gupta, Shashank	EE	Springer Publication	2021	978-981-16-7909-4
"Optimal Sizing of DG solar-Wind Hybrid System Using Homer"	Pankaj Tripathi, Abhishek Gupta, Shashank	EE	International Review of Electrical Engineering (IREE)	2020	18276660
A Single Z-Source Network-Based 3-Level NPC Inverter Using a Novel Region Selection Approach of SVM	Debanjan Roy, Madhur Singh	EE	IEEE	2020	
CPW-Fed Wideband Pattern Reconfigurable Antenna	Sweeta Agarwal, Manoj Kumar Meshram	ECE	IJIRT 154403 INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY(2022)	2020	ISSN: 2349-6002
Enhancement of Properties of Clayey Soil by Blending Quarry Dust and Coconut Fibre	Rizwan Khan, Ankit Kumar and Arvind Kumar	CIVIL ENGINEERING	Indian Journal of Ecology (February 2021)	February 2021	ISSN: 3045250
Modeling Rainfall-Runoff using Artificial Neural Network (ANNs) and Wavelet based ANNs (WANNs) for Haripura Dam, Uttarakhand	Basant BALLABH Dumka G. B. Pant University of Agriculture and Technology, Pantnagar, Department of Soil & Water Conservation Engineering	CIVIL ENGINEERING			
Real time health monitoring system: A review on disease prediction and providing medical assistance to the patients by the data mining techniques and cloud IoT	Dr. Gaurav Agarwal	Computer Science & engineering Department	International Journal of Control and Automation, Elsevier	2020	ISSN 2005-4297
Recursive density-based hierarchical clustering in gaussian distributed sensor network	Dr. Meeta Chaudhry	Computer Science & engineering Department	International Journal of System Assurance Engineering and Management	44008	
Particle Swarm Optimization-Based Data Aggregation in Wireless Sensor Network: Proposed PSO-SMAP Protocol	Dr. Meeta Chaudhry	Computer Science & engineering Department	International Journal of Swarm Intelligence Research (IJSIR)	44197	
Enhanced-AES encryption mechanism with S-box splitting for wireless sensor networks	Dr. Meeta Chaudhry	Computer Science & engineering Department	International Journal of Information Technology	2021/6	
Experimental and Numerical Structural Assessment of Transparent and Tinted Glass during Fire Exposure	Ajitanshu.etal	Mechanical Engineering	Construction and Building Materials	2020	
Experimental and Numerical Study on Mechanical behavior and Resistance to Natural Weathering of Sugarcane Leave Reinforced Polymer Composite	Yadav et. al	Mechanical Engineering	Journal of Alloys and Compounds	2021	
Microwave absorbing properties of carbon fiber based materials: A review and prospective	Gunwant.etal	Mechanical Engineering	Journal of Manufacturing Processes	2021	
Experimental and Numerical Study on Effect of Constrained Groove Pressing on Mechanical Behaviour and Morphology of Aluminium and Copper	Kumar et.al	Mechanical Engineering		2021	

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Simplified Structural Analysis of framed Ordinary Non-Tempered Glass Panels during Fire Exposure	Saksabi et al.	Mechanical Engineering	Fire Safety Journal	2021	
Study on the Compressive Behaviour of Sustainable Cement-Based Composites Under One-Hour of Direct Flame Exposure.	Vedtrnam, et al	Mechanical Engineering	Sustainability	2020	
Early crack detection using modified spectral clustering method assisted with FE analysis for stress anticipation in cement-based composites	Vedtrnam, et al	Mechanical Engineering	Structures	2021	
A Comprehensive Study on Structure Properties, Synthesis and Characterisation of Ferrites	Vedtrnam, et al	Mechanical Engineering	AIMS Material Science	2020	
Evaluating Abrasive Water Jet Machining as an alternative to conventional cutting methods of laminated glass.	Vedtrnam, et al	Mechanical Engineering	Glass Technology: European Journal of Glass Science and Technology Part A	2021	
Laminated Glass: Classification, Characterisation, and future perspectives	Vedtrnam, et al	Mechanical Engineering	Journal of Materials Education,	2020	
Designing Rear View Mirror of Car using CFD and Reverse Engineering Treatment Methods	Vedtrnam, et al	Mechanical Engineering	Journal of the Chinese Society of Mechanical Engineers	2020	
Improving Bending Behaviour of laminated Glass Using Novel Fabrication and Characterization of a Novel Cow Dung-Polymer Composite Packaging Film	Chaturvedi et al	Mechanical Engineering	Invertis Journal of Science & Technology	2020	
Simulation of Heat Transfer Characteristics of Sensible Heat Storage System	Vedtrnam A	Mechanical Engineering	Invertis Journal of Science & Technology	2020	
Experimental And Numerical Study On Abrasive Water Jet Machining Of Laminated Glass	Vedtrnam, et al	Mechanical Engineering	Glass Technology - European Journal of Glass Science and Technology Part A,	2021	
Metal Induced Testicular Toxicity	Amit Gupta	Pharmacy	ASIO Journal of Experimental Pharmacology and Clinical Research	2020	2455-7080
Chronic exposure to multi metal on testicular toxicity in rats	Amit Gupta	Pharmacy	Toxicology Mechanism and Methods	2020	1537-6516
The clinical correlation of pro inflammatory and anti inflammatory biomarkers with tissue regeneration-A meta analysis	Amit Gupta	Pharmacy	European Journal of Pharmaceutical and Medical Research	2021	2394-3211
Interaction between Brain Gut enteric Microbiota , Central and Enteric Nervous System and Gastro Intestinal disorder FGIDS -A systematic review	Amit Gupta	Pharmacy	Annals of Pharma research	2021	2347-1956
Fast dissolving tablet: An Opportunity for treatment of Epilepsy	ADITYA PRAKASH VARSHNEY	Pharmacy	International Journal of Pharmaceutical Research	2020	0975-2366
Dealing with SARS COV-2 Pandemic: Perusing Remdesivir and Hydroxychloroquine as therapeutic alternatives	Lipi Nogal	Pharmacy	European Journal of Molecular & Clinical Medicine	2021	2515-8260
corona virus a review of covid-19	Maushtree Bhandari	Pharmacy	International journal of pharmacy and life sciences	2020	2348-6465
a review epidemics and pandemics on human body	Maushtree Bhandari	Pharmacy	International research and health sciences	2020	6995-27005
Standardization of antidiabetic Ayurvedic formulation i.e madhushani vati.	lalita Palarhya	Pharmacy	Journal of pharmacognosy and phytochemistry	2020	2277-7105
Development and characterization of Morin loaded phytosomes for its antioxidant effect	Kanika Manral	Pharmacy	Journal of drug delivery and therapeutics	2020	2250-1170
Phytochemical Screening of Allanthus excelsa stem	Surabhi Sharma	Pharmacy	International Journal of Health Science	2021	2356-6457
Phytochemical Screening of Allanthus excelsa leaves	Pooja Bhatt, Anita Ranj, Mabissha Gahlot and RK sirvastava	Pharmacy	Future Journal of Pharmaceutical Science	2021	3467-5647
FTIR spectroscopic analysis of delignified sesbania aculeata (Dhaincha) fibers		Fashion design	International Journal of chemical studies	2021	2321-4902

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