GBU Research Publications from June 2026 to August, 2026

S.No.	Title of the Article	Authors	Journals Name	Volume	Issue	Year	DOI
1	A Self-Service Decentralized E-Voting System Using Ethereum Smart Contract	Raj Aniket , Kumar Satyam , Sakthi, G.	International Conference on Innovative Practices in Technology and Management, ICIPTM 2026			2026	10.1109/ICIPTM69057.2026.11466074
2	Influence of grain size and spatial volume fraction variation in ZnO based functionally graded thermoelectric devices	Rai Shardul ; Sharma Kshitij Kumar ; Tewari Abhishek ; Gupta Ankit	Scientific Reports	16	1	2026	10.1038/s41598-025-29918-y
3	Stokes Flow of Newtonian Fluid Past a Composite Sphere Filled with Couple Stress Liquid Core	Kumar, Satish ; Deo, Satya ; Maurya, Pankaj Kumar	Proceedings of the National Academy of Sciences India Section A - Physical Sciences			2026	10.1007/s40010-026-01043-z
4	Thermal Modifications of Plant Proteins	Sonkar, Chitra ; Sonkar, Nitin	Recent Advances in the Modification of Plant Proteins			2026	10.1007/978-3-032-19821-1_4
5	Integrated assessment of groundwater quality suitability and heavy metal-induced health risks during the post-monsoon season near coal mining areas, Jharkhand, India	Kumar, Vivek ; Singh, Prasoon Kumar ; Kumar, Ankesh ; Kumar, Ravi Prakash ; Kumari, Shilpy ; Saw, Shivam ; Patel, Rohit	Environmental Geochemistry and Health	48	13	2026	10.1007/s10653-026-03439-7
6	Risk-sensitive mean-field control of large-scale UAV Swarms for stochastic disaster tracking and robust first response	Sayeed, Mohd Abuzar ; Sayeed, Mohd Asim ; Ahmed, Tanveer ; Bharti, Anuj Kumar	Scientific Reports	16	1	2026	10.1038/s41598-026-55955-2
7	Foundations of Catalysis: Understanding the Key Concepts and Mechanisms	Goyal, Deepti ; Meena, Rajesh Kumar ; Malpani, Sakshi Kabra	Catalysis from Waste: Transforming Solid Residues into Value			2026	10.1002/9781394301546.ch1
8	Bibliometric Analysis of Artificial Intelligence (AI) Applications in the Food Supply Chain Management (FSCM)	Bhatia, Sumeet ; Srivastava, Priyank ; Gupta, Ruchika ; Goel, Anshu	International Conference on Innovative Practices in Technology and Management, ICIPTM 2026			2026	10.1109/ICIPTM69057.2026.11465712
9	A new crossover based genetic algorithm approach to multi period multi echelon location inventory routing problems with demand uncertainty and risk factors	Chauhan, Vishakha ; Singh, Dipti ; Saxena, Pratiksha	Kuwait Journal of Science	53	4	2026	10.1016/j.kjs.2026.100662
10	Knee joint health assessment using acoustic sensors in osteoarthritis: a quantitative and parametric study	Verma, Dhirendra Kumar ; Hussain, Mirsaidin ; Kumari, Poonam ; Kanagaraj, Subramani	Medical engineering & physics	147	1	2026	10.1088/1873-4030/ae1e6d

11	Sensory, nutrition and texture evaluation of calcium-enriched barnyard millet papad incorporated with eggshell powder	Sharma, Vinita ; Kohli, Deepika ; Khatri, Pratushi ; Mishra, Anuradha	Food and Humanity	7		2026	10.1016/j.foohum.2026.101403
12	Variation of Arene Moiety in Ruthenium (II) Arene Halido Complexes of Quinoline and Benzazole-Derived Ligands: Development and Antiprostate Cancer Potential	Khan, Tanveer A. ; Yadav, Anubha ; Malpani, Priyal ; Bhar, Kishalay ; Kumar, Vinit ; Sharma, Anuj K.	Chemistry - An Asian Journal	21	16	2026	10.1002/asia.70946
13	Integrated aerobic remediation of polluted water using a novel bacterial consortium (MBC-4): Performance, optimization, and mechanistic insights	Simon, Monika ; Roy, Deblina ; Dash, Siddhant ; Shirin, Saba ; Joshi, Himanshu ; Shubham, Kumar	Journal of Environmental Chemical Engineering	14	4	2026	10.1016/j.jece.2026.123369
14	Nonlinear Numerical Study of Annular Fin of Different Profiles	Thakur, Harishchandra	Lecture Notes in Mechanical Engineering			2026	10.1007/978-981-96-9600-0_1
15	Fabrication and characterization of poly (methyl methacrylate)-based nanocomposite films reinforced with plant-mediated copper oxide nanoparticles	Maitra, Jaya ; Kumar, Keshav	Polymer Bulletin	83	10	2026	10.1007/s00289-026-06608-x
16	Advances in waste-based catalytic systems for green synthesis of 5-hydroxymethylfurfural	Shringi, Niharika ; Goyal, Deepti ; Sharma, Aruna ; Jangir, Bhawana ; Yadav, Anjali ; Meena, Rajesh Kumar	Chemical Papers			2026	10.1007/s11696-026-05125-5
17	Rewiring the Anxious Brain: A Psychospiritual Exploration of Mindfulness and Yogic Practices in Emotion Regulation	Sharma, Krish	Improving Mental Well-Being at the Intersection of Mindfulness, Meditation, and Yoga			2026	10.4018/979-8-3373-4187-3.ch004
18	Performance Analysis of Ensemble Machine Learning Techniques for Predictive Risk Modelling Using Large-Scale Operational Data	Nagtode, Sanjay ; Chandani, Priyanka ; Geetha, B.T.	Proceedings of the 2026 13th International Conference on Computing for Sustainable Global Development, INDIACom 2026			2026	10.23919/INDIACom70271.2026.11526406
19	Multi-Objective Optimization of Cast Iron workpiece Finishing using Thermal Additive Centrifugal Abrasive Flow Machining	Bharadwaj, Anant ; Ali, Parvesh ; Mangal, Dharamvir ; Walia, Ravinderjit Singh ; Murtaza, Qasim	Journal of the Brazilian Society of Mechanical Sciences and Engineering	48	7	2026	10.1007/s40430-026-06535-y
20	A divergent electrochemical platform for diazene radical generation and Câ€“N coupling reactions	Pandey, Roopam ; Rath, Suchismita ; Tyagi, Yashika ; Jadon, Shivani ; Prabakar, Tejas ; Patel, Shreemad ; Maiti, Debajit ; Sen, Subhabrata	Organic Chemistry Frontiers	13	9	2026	10.1039/d6qo00078a

21	Sentiment Analysis of Gaming Related Tweets Using a Hybrid Deep Learning Approach	Agnihotri, Aaditya ; Singh, Rajendra Bahadur	Lecture Notes in Networks and Systems	1690 LNNS		2026	10.1007/978-3-032-08859-8_17
22	Scalable distributed control for hybrid AC-DC microgrids with adaptive load management	Negi, Satyaveer Singh ; Rawea, Adel ; Dwivedi, Prakash ; Bose, Sourav ; Alward, Yahya	Scientific Reports	16	1	2026	10.1038/s41598-026-55453-5
23	Targeting the Gut Microbiota with Pro- and Postbiotics: Emerging Strategies against Alopecia	Singh, Vijay ; Hussain, Md Sadique ; Das, Joy ; Chellappan, Dinesh Kumar ; Chaudhary, Priya ; Sridhar, Sathvik Belagodu ; Panigrahy, Uttam Prasad ; Ramzan, Mohhammad ; Mondal, Mohini ; Ashique, Sumel	Probiotics and Antimicrobial Proteins	18	5	2026	10.1007/s12602-026-10918-x
24	Short-Term Solar Power Forecasting: A Novel Approach with Evolutionary Mating Algorithms and Deep Neural Network Hybrid Model	Singh, Raypratap ; Singh, Omveer ; Arya, Yogendra	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468914
25	A Novel Tool for Pre-processing an ECG Signal for Bioinformatics Community	Saini, Himanshu ; Pal, Kirti ; Gupta, Varun	Procedia Computer Science	283		2026	10.1016/j.procs.2026.06.248
26	Effect of Variation in Thickness of Cushion Material on Comfort of Human Subject While Travelling	Kalsi, Sachin ; Kovalan, Sengundhar Dinesh ; Singh, Ishbir ; Jain, Appurva	National Academy Science Letters			2026	10.1007/s40009-026-02009-w
27	Solar Photovoltaic Power Generation System for Grid Integration Using Sparse Adoption Control Algorithm	Kumar, Ranjeet ; Singh, Omveer ; Kumar, Shailendra	Lecture Notes in Electrical Engineering	1488 LNEE		2026	10.1007/978-981-95-3853-9_8
28	Blockchain-Enabled Consent-Based Security for Multi-Face Digital Images Captured in Public Areas	Sharma, Vivek Kumar ; Arora, Renuka ; Yadav, Chandra Shekhar	2026 2nd International Conference on Computing, Sciences and Communications, ICCSC 2026			2026	10.1109/ICCSC67078.2026.11468546
29	Impact of all-sky SAPHIR brightness temperature assimilation using WRF model for the simulation of tropical cyclone Ockhi	Tiwari, Gaurav ; Singh, Vivek ; Kumar, Sushil ; Singh, Amarendra ; Kumar, Amit ; Kumar, Pradeep	Meteorology and Atmospheric Physics	138	5	2026	10.1007/s00703-026-01170-7
30	Microwave-assisted green synthesis of mixed-phase Cu2O/CuO heterojunction nanoparticles for pH-versatile and efficient photocatalytic degradation of organic dyes	Kumari, Shubhangini ; Singh, Vandna ; Singh, Deepali	Cleaner Water	6		2026	10.1016/j.clwat.2026.100265

31	Optimal Load Management in EV-penetrated Networks: A Metaheuristic Approach with FACTS and DG Support Smart Solutions for EV-integrated Grids	Gandotra, Rupika ; Pal, Kirti	Optimal Load Management in EV-penetrated Networks: A Metaheuristic Approach with FACTS and DG Support Smart Solutions for EV-integrated Grids			2026	10.1201/9788743811176
32	Drought stress in Cannabis sativa L.: current knowledge, research gaps, and future perspectives â€“ a review	Khabbazi, Saber Delpasand ; Park, Sang-Hyuck ; Ryu, Byeong-Ryeol ; Da Cunha Leme Filho, Jose F. ; YÄ±lmaz, GÃ¼ngÃ¶r ; Khabbazi, Afsaneh Delpasand ; Singh, Deepali ; Teotia, Sachin	Frontiers in Plant Science	17		2026	10.3389/fpls.2026.1890092
33	Skin Cancer Diagnosis Using Hybrid-Model: DenseNet and ViT	Pandita, Dhruv ; Singh, R.B.	Lecture Notes in Networks and Systems	1858 LNNS		2026	10.1007/978-3-032-21013-5_25
34	Sestrin-2: a new biomarker for type 2 Diabetes Mellitus and Insulin resistance	Tyagi, Surbhi ; Nagtilak, Suryakant ; Parashar, Pawan	Journal of Diabetes and Metabolic Disorders	25	2	2026	10.1007/s40200-026-02008-0
35	Prime editing: evolution of CRISPRâ€“Cas system for a robust next-generation genome editing in plants	Bargoti, Taniya ; Nain, Vikrant ; Singh, Deepali	Planta	264	1	2026	10.1007/s00425-026-05040-9
36	Leveraging R and Python for Advanced Graphical Optimization Solutions	Bijin Sanny, P.R. ; Dubey, Ankit ; Pratyusha, Miriyala Navya ; Dey, Arindam ; Kumar, Ranjan	Driving Innovation by Dynamic Optimization: The Challenges of Reshaping Industry			2026	10.1002/9781394315727.ch9

37	Global and regional progress towards reduced burden of oral conditions between 2019 and 2023: a systematic analysis for the Global Burden of Disease Study 2023	Bernabe, Eduardo, Marcenes, Wagner, Abdullah, Ababneh, Hazim S, Abate, Belayneh Jejaw, Abbastabar, Hedayat, Abdel-Rahman, Wael M, Abd-Elsalam, Sherief, Abdou, Hassan A., Abdoun, Meriem, Abdulkader, Rizwan Suliankatchi, Abidi, Syed Hani, Aboagye, Richard Gyan, Abreu, Lucas GuimarÃ£es, Abuhammad, Sawsan, Acharya, Anirudh Balakrishna, Acharya, Swetha, Adamu, Lawan Hassan, Adebisi, Tajudeen Adesanmi, Adebiyi, Babatope Oluwadamilare, Adedokun, Kamoru Ademola, Afolabi, Aanuoluwapo Adeyimika, Afzal, Muhammad Sohail, Agordoh, Percival Delali, Agordoh, Salome Wumpini, Agrawal, Trushdeep, Agrawal, Piyush, Ahmad, Tauseef, Ahmad, Sajjad, Ahmad, Aqeel, Ahmad, Suhaib, Ahmad, Khabir, Ahmadi, Ali, Ahmed, Naveed, Ahmed, Shakeel, Ahmed, Ali, Ahmed, Ayman, Ajele, Kenni Wojujutari, Akalanka, Kasuni Hm, Akeel,	The Lancet Public Health	11	9	2026	10.1016/S2468-2667(26)00143-X
38	Measuring livability in peri-urban areas using machine learning: A systematic review of key indicators and measurement frameworks	Poriya, Kaushik G. ; Chauhan, Krupesh A. ; Upreti, Kamal ; Jain, Rituraj ; Kumari, Puja	Environmental Research and Technology	9	3	2026	10.35208/ert.1615227
39	Climate Analysis of Temperature over National Capital Region (NCR) Using ERA5 Data	Sikand, Shelly ; Baghel, Anurag Singh ; Kumar, Sushil ; Ansari, M.A. ; Kumari, Neha	2026 International Conference on Intelligent Systems in Engineering, Secured Systems and Cybersecurity, ICISESSC 2026			2026	10.1109/ICISESSC68634.2026.11542765
40	Cation redistribution in governing charge transfer and oxygen evolution activity via Zn+2 & Ni+2 substitution in CoFe2O4 spinel ferrites	Patel, Arun ; Sharma, Sakshi ; Varshney, Mayora ; Sharma, Aditya ; Chandra Mouli, P. ; Kalegowda, Yogesh ; Shukla, Vivek Kumar ; Keshari, Ashish Kumar ; Kumar, Alesh	Journal of Physics and Chemistry of Solids	219		2026	10.1016/j.jpcs.2026.114084
41	GTO-U-net synergy: Pioneering hyperparameter optimization for enhanced medical image segmentation	Mishra, Santosh Kumar ; Dawn, Suma ; Pal, Raju	African Journal of Science, Technology, Innovation and Development	18	4	2026	10.1080/20421338.2026.2652082
42	Large Language Model: Future of Healthcare Research With Challenges	Heyat, Md Belal Bin ; Rehman, Attiq Ur ; Zeeshan, Hafiz Muhammad ; Hayat, Mohd Ammar Bin ; Akhtar, Faijan ; Sadaf ; Ansari, M.A. ; Wang, Lu ; Lai, Dakun ; Prasath, V. B. Surya ; Gandhi, Tapan Kumar ; Sawan, Mohamad	Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery	16	3	2026	10.1002/widm.70103
43	A cost-effective approach to surface activation of polypropylene microplates for covalent immobilization of a protein	Sharma, Dinesh C. ; Naqvi, Azmi ; Jyoti, Km ; Siddiqui, Azad Alam	Journal of Adhesion Science and Technology			2026	10.1080/01694243.2026.2667473
44	Validating raloxifene-mediated restoration of DNMTâ€“TET epigenetic balance in breast and lung cancer	Agarwal, Chhaya ; Sharma, Dolly ; Yadav, Kiran ; Mohini ; Banerjee, Bhaswati ; Kumar, Narendra ; Jaiswal, Amit K.	Cancer Treatment and Research Communications	49		2026	10.1016/j.ctarc.2026.101365

45	Bandpass Filtering Based ECG Signal Analysis Using PCA Enhanced R Peak Detection	Saini, Rajnee ; Goyal, Priyanka ; Anika	Proceeding - 2026 IEEE 6th International Conference on Computing, Power, and Communication Technologies, IC2PCT 2026			2026	10.1109/IC2PCT68894.2026.11584469
46	An Explainable XGBoost and Deep Learning Framework for Next-Day Rainfall Prediction	Rajput, Chandrakanta ; Singh, Rajendra Bahadur	2026 International Conference on Intelligent Systems in Engineering, Secured Systems and Cybersecurity, ICISESSC 2026			2026	10.1109/ICISESSC68634.2026.11542751
47	A Data-Driven Assessment of Robust Machine Learning Frameworks for High-Variance Industrial Environments	Chandani, Priyanka ; Janaki, L. ; Chintala, Suman ; Biswas, Prasanta Chatterjee ; Geetha, B.T. ; Bedi, Harpreet Singh	2026 International Conference on NextGen Data Science and Analytics, ICNDSA 2026			2026	10.1109/ICNDSA68777.2026.11652207
48	Mathematical modeling of the hybrid solar dryer of PVT-TEC glass-to-glass air-collector with drying chamber	Choubey, Priya ; Sinhmar, Harender ; Tiwari, Sumit	Journal of Stored Products Research	115		2026	10.1016/j.jspr.2025.102827
49	Catalysis from Waste: Transforming Solid Residues into Value	Goyal, Deepti ; Malpani, Sakshi Kabra ; Jain, Renuka	Catalysis from Waste: Transforming Solid Residues into Value			2026	
50	Real-Time Cryptocurrency Forecasting Using Mamba-SSM	Shrivas, Ravi ; Singh, Neeta ; Kumar, Naresh	Lecture Notes in Networks and Systems	1859 LNNS		2026	10.1007/978-3-032-21499-7_13
51	Insights on molecular drivers of phenotypic plasticity in Candidozyma auris	Solanki, Shivani ; Singh, Bharti ; Mathur, Kartavya ; Asif, Shumaiza ; Francis, Ashik ; Gangwar, Garima ; Thakur, Anil ; Puria, Rekha	World Journal of Microbiology and Biotechnology	42	7	2026	10.1007/s11274-026-05085-8
52	Artificial Neural Networkâ €“Based Optimization of Solar Photovoltaic and Battery-Integrated Unified Power Quality Conditioner for Microgrid Performance	Bharati, Kamlesh Kumar ; Sachin ; Shekhar, Yogesh ; Tewari, Vijay Kumar ; Singh, Omveer	Electrica	26		2026	10.5152/electrica.2026.25009
53	Necrophilia in India: Psychological Perspectives and Emerging Legal Challenges	Yadav, Daksh ; Sharma, Raghav ; Varshney, Aakriti	Journal of Indian Academy of Forensic Medicine			2026	10.1177/09710973261473031
54	Comparative analysis of supervised machine learning classifiers for classification of Monkeypox disease integrated with deep learning models	Chauhan, Nidhi ; Yadav, Sunita ; Chauhan, Alok Singh	International Journal of System Assurance Engineering and Management	17	7	2026	10.1007/s13198-025-03071-1
55	Multimodal Voice Distress Detection for Real-Time Safety Monitoring in Schools	Chawla, Ritvik ; Kumar, Chirag ; Malik, Anu	2026 IEEE International Conference on Human-Machine Systems, ICHMS 2026			2026	10.1109/ICHMS69701.2026.11602270

56	Sustainable Cellulose Production From Livestock Waste: A Comparative Study of Alkaline Hydrolysis and Green Deep Eutectic Solvent	Singh, Pushpanjali ; Goyal, Ramakant ; Singhal, Barkha ; Verma, Shuchi	Biotechnology and Applied Biochemistry	73	3	2026	10.1002/bab.70077
57	Chemistry behind aflatoxin toxicity and its derivatives	Jangir, Bhawana ; Malhotra, Nidhi ; Sahu, Devid ; Jangid, Nirmala Kumari	Aflatoxin Management in Crops: Challenges and Opportunities			2026	10.1016/B978-0-443-33863-2.00011-4
58	Berberine Enhances Radiosensitivity of Head and Neck Squamous Cell Carcinoma Concurrent with the Inhibition of DNA Repair, Stemness and Tumor Growth	Mishra, Deepali ; Jaiswal, Aishwarya ; Sinha, Aleena ; Singh, Navneendra ; Singh, Rana P.	Cancers	18	16	2026	10.3390/cancers18162690
59	Distributed and Edge AI for Continuous and Context-Aware Healthcare Intelligence	Malhotra, Anshu ; Niharika, D Sai ; Mangalampalli, Bindu Madhavi ; Nema, Sumit ; Gupta, Zatin ; Kriplani, Khushbu	Proceedings of 2026 5th OPJU International Technology Conference on Smart Computing for Innovation and Advancement in Industry 5.0, OTCON 2026			2026	10.1109/OTCON69332.2026.11629756
60	Light governed plantâ €“microbe interactions: the role of light in biotic stress resilience	Sharma, Eti ; Shrivastava, Vaishnavi ; Aeron, Rimjhim ; Sharma, Paridhi ; Baliyan, Saksham ; Pandey, Saurabh	Physiology and Molecular Biology of Plants	32	9	2026	10.1007/s12298-026-01806-3
61	AI-Powered Real-Time Collaborative and Chat Platform	Samyank ; Pundir, Priyanshu	Proceedings of the 4th International Conference on Inventive Computing and Informatics, ICICI 2026			2026	10.1109/ICICI68773.2026.11580518
62	TECHNO-ECONOMIC ANALYSIS OF POWER SYSTEM NETWORK WITH ELECTRIC VEHICLE CHARGING STATIONS (EVCS) AND RENEWABLE BASED DISTRIBUTED GENERATOR	Gandotra, Rupika ; Pal, Kirti	Environmental Engineering and Management Journal	25	6	2026	10.30638/eemj.2026.093
63	Unveiling therapeutic potential: In Silico discovery of prognostic markers and potential inhibitors for TGFÃŸR1 in pancreatic cancer	Singh, Samvedna ; Gupta, Himanshi ; Sinha, Subhav ; Kaushik, Aman Chandra ; Kapoor, Shraddha ; Awasthi, Amit Kumar ; Qamar, Imteyaz ; Sahi, Shakti	Computational Biology and Chemistry	120		2026	10.1016/j.compbiolchem.2025.108646
64	Adsorption of Heavy Metals Cr6+, Pb2+, Zn2+, and Ni2+ from Aqueous Solution by Peanut Shell Biomass	Ram, Vishal ; Chauhan, Abhishek ; Kumari, Sheetal ; Sunaina ; Thakur, Raghvendra Singh ; Jain, Shailendra Kumar ; Garg, Manoj Chandra	Lecture Notes in Civil Engineering	727 LNCE		2026	10.1007/978-981-95-0736-8_23

65	An AI-Enabled Patient-Centric Treatment Planning Model for Personalized and Adaptive Healthcare Management	Swati ; Adilakshmi, K. ; Vishwakarma, Santosh K ; Belwal, Neha ; Gupta, Zatin ; Soni, Nidhi	Proceedings of the 2026 International Conference on Emerging Trends in Information, Communication and Systems, ICETICS 2026			2026	10.1109/ICETICS69505.2026.11651214
66	Analysis of Bagging Machine Learning Classifiers on an Integrated Deep Learning Model for Classification of Monkeypox Disease	Chauhan, Nidhi ; Yadav, Sunita ; Chauhan, Alok Singh	Lecture Notes in Networks and Systems	1477 LNNS		2026	10.1007/978-981-96-8639-1_6
67	Multifunctional smart fiber-reinforced polymer composites embedded with piezoelectric PVDF yarn-braids for energy harvesting	Gupta, R.K. ; Sharma, Deepak ; Bodkhe, Mohan ; Tonk, Anu ; Gladston, J. Allwyn Kingsly ; Ashfaq, Rubaid	Interactions	247	1	2026	10.1007/s10751-026-02556-0
68	Exploring asymmetric shocks of carbon emissions to renewable energy sustainability indicators using the NARDL approach	Agrawal, Anshul ; Agarwal, Rajesh ; Kadam, Sanjeev ; Prakash, Ved ; Anand, Shweta	International Journal of Innovation Science	18	3	2026	10.1108/IJIS-02-2025-0066
69	Phytofabricated Silver Nanoparticles from Origanum majorana: Anti-Pathogenic Activity and Biocompatibility Evaluation	Gaur, Nisha ; Sharma, Eti ; Raghuvanshi, Priya ; Kumar, Krishan ; Mathur, Kartavya ; Chandra, Anshuman ; Singh, Nagendra	Microbial Pathogenesis	215		2026	10.1016/j.micpath.2026.108473
70	Machine learning-assisted design and optimization of ultra-wideband bandpass filter	Agrawal, Niraj ; Sazid, Mohd.; Pal, Raju ; Gautam, Anil Kumar ; Kumar, Anuj ; Nagar, Mangey Ram	AEU - International Journal of Electronics and Communications	212		2026	10.1016/j.aeue.2026.156340
71	Sensitivity Detection of CH2Cl2 at 0â€“50 ppm with CJN-FETs: High Analog/RF/Linearity Performance at Room Temperature	Gupta, Abhinav ; Gupta, Akanksha ; Singh, Abhay Pratap ; Kumar, Alok ; Prajapati, Vinod	ECS Journal of Solid State Science and Technology	15	1	2026	10.1149/2162-8777/ae3256
72	Synthesis, characterization, antioxidant and anticancer potential of Kalanchoe pinnata green synthesized silver nanoparticles targeting p53/MDM2 nexus in hepatic cancer: integrated in vitro and in silico study	Moin, Afrasim ; Hussain, Talib ; Alafnan, Ahmed ; Alamri, Abdulwahab ; Alghamdi, Saeed ; Rizvi, Syed Mohd.Danish ; Anwar, Sirajudheen ; Chadha, Muskan ; Khalid, Mohammad ; Tiwari, Rohit Kumar ; Ahmad, Afza	Scientific Reports	16	1	2026	10.1038/s41598-026-40542-2
73	An Explainable Multi-Scale Residual Attention Network with XGBoost Ensemble for Phishing Website Detection	Chaudhary, Roobal ; Saxena, Rahul ; Dillu, Venus	International Journal of Intelligent Engineering and Systems	19	8	2026	10.22266/ijies2026.0831.33

74	Unsupervised Software Defect Prediction in Haskell: A Metrics-Driven Ensemble Approach Using Function-Level Thresholding	Kumar, Rakesh ; Chaturvedi, Amrita	Arabian Journal for Science and Engineering	51	15	2026	10.1007/s13369-026-11366-z
75	Nanocatalytic Strategies in Healthcare: Transforming Diagnostics and Therapeutics	Tripathy, Divya Bajpai ; Pradhan, Subhalaxmi ; Agarwal, Pooja ; Gupta, Anjali ; Yadav, Alpa ; Sinha, Aashna ; Chahar, Mamata	Topics in Catalysis	69	4-Jul	2026	10.1007/s11244-025-02109-9
76	Menacing rise: MDR and ESBL trends in gram-negative bacteria isolated from the respiratory tract in a tertiary Care hospital, Western Uttar Pradesh, India	Sharma, Sachin Kumar ; Mohan, Sneha ; Bhatt, Rishiraj ; Bhadra, Saheli ; Kakru, Dalip K ; Panchal, Anjali	Microbes and Infectious Diseases	7	3	2026	10.21608/MID.2024.289657.1954
77	Experimental study on the influence of temperature and impact loading onÂ concrete using jacketed piezo sensors	Singh, Indrajeet ; Pal, Shilpa ; Dev, Nirendra ; Bansal, Tushar	Mechanics of Advanced Materials and Structures	33	1	2026	10.1080/15376494.2026.2714177
78	Evidence-Based Oral Health Education and Promotion: Behavioral Interventions, Community Outreach, and Policy Strategies in Restorative Dental Care	Pandey, Ambika Prasad); Dilare, Prakash Chandra ; Manushi ; Kapoor, Rahul ; Hemalatha, K.J.	European Journal of Prosthodontics and Restorative Dentistry	34	Special Issue 3	2026	10.1922/ejprd.v34i3s.1403
79	Digital transformation: how it impacts bank performance for emerging economies	Podder, Bhaskar ; Ghosh, Jaideep	International Journal of Emerging Markets	21	6	2026	10.1108/IJOEM-05-2025-1108
80	Factors determining the occurrence and spatial association of meso-carnivores in the semi-arid landscape of Madhya Pradesh, India	Sharma, Shantanu ; Panda, Debashish ; Jain, Akshay ; Rajaraman, Rajasekar ; Maurya, Kamlesh K. ; Singh, Randeep	Mammal Research	71	1	2026	10.1007/s13364-025-00827-9
81	A Time-Fractional Convectionâ€“Diffusion Equation for Drug Release Modeling in Drug-Eluting Stent	Sundriyal, Diksha ; Saxena, Pratiksha	Boletim da Sociedade Paranaense de Matematica	44	7	2026	10.5269/bspm.84653
82	Hierarchical architecture of Zn-Mn-W ternary oxide nanocomposite for enhanced supercapacitive performance	Kumari, Rekha ; Sharma, Pankaj Kumar ; Kumar, Yogesh ; Shukla, Vivek Kumar	Journal of Energy Storage	180		2026	10.1016/j.est.2026.124270
83	Advanced State of Charge Estimation for Electric Vehicles Using Novel Pi and T Battery Equivalent Circuit Models	Singh, Abhishek ; Pal, Kirti ; Vishwakarma, Chandra Bhan ; Himkar ; Sharma, Gulshan	World Electric Vehicle Journal	17	7	2026	10.3390/wevj17070366
84	Partial resistance to digital paymentsÂ in an emerging economy:Â a conundrum	Podder, Bhaskar ; Venkatesh, Sundar ; Phuong, Nguyen Quynh ; Ghosh, Jaideep	Managerial Finance	52	3	2026	10.1108/MF-12-2024-0912

85	Response to the Commentsâ€" Postspinal Shivering: The Host of Details that Matter! (In response to Magoon, Rohan; Choudhary, Nitin1. Postspinal Shivering: The Host of Details That Matter!. Medical Journal of Dr. D.Y. Patil Vidyapeeth	Suryawanshi, Chhaya M. ; Tudimilla, Sonalika	Medical Journal of Dr. D.Y. Patil Vidyapeeth	19	4	2026	10.4103/mjdrdypu.mjdrdypu_1150_25
86	Portable single-bed adsorption cooling: advances in adsorbents, bed design, and solar integration	Dubey, Rishab ; Tiwari, Sumit ; Sinhmar, Harender	Solar Energy	318		2026	10.1016/j.solener.2026.115027
87	Social Media Fatigue and Coping Mechanism: An Integrative Review and Future Research Directions	Kumar, Jitender ; Rishi, Bikramjit ; Sharma, Veenu	International Journal of Human-Computer Interaction			2026	10.1080/10447318.2026.2678529
88	Aptamer-conjugated nanoparticles: emerging nano-enabled platforms for rapid and sensitive detection of viral infections	Walia, Harpreet Kaur ; Choudhary, Komal ; Kumar, Navin	Archives of Microbiology	208	8	2026	10.1007/s00203-026-04939-x
89	Matrix-based solution methods for deformable derivative systems: applications to growth-decay and mortgage models	Priya, Komal ; Ayman-Mursaleen, Mohammad ; Ujlayan, Amit ; Rao, Nadeem	Scientific Reports	16	1	2026	10.1038/s41598-026-51507-w
90	Enhancing the Mechanical Properties and Printability of Natural Fiber-Reinforced Filaments for Fused Deposition Modelling through Optimized Fiber Processing and Polymer Matrix Selection	Kumar, Pankaj ; Kalsi, Sachin ; Kumar, Amit ; Jain, Appurva	Prabha Materials Science Letters	5	2	2026	10.33889/PMSL.2026.5.2.025
91	Integrated approach to assess contaminant sources and human health risks using hydrochemical, chemometric and geospatial techniques for the water resources of Saraikela-Kharsawan district, Jharkhand, India	Bharat, Abhishek Pandey ; Mahato, Mukesh Kumar ; Giri, Soma ; Singh, Abhay Kumar	Environmental Geochemistry and Health	48	11	2026	10.1007/s10653-026-03257-x
92	Design and Comparative Analysis of Different Compensation Techniques for EV Charging	Kumar, Pramod ; Ansari, M.A. ; Agrawal, Rajeev	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469135

93	Integrative proteomics, microbiome-based and molecular approaches with implications in plant health management	Singh, Anubha ; Tandon, Simran ; Tandon, Chanderdeep ; Srivastav, Rajpal	Emerging Omics Technologies for Sustainable Agriculture			2026	10.1016/B978-0-443-40316-3.00018-7
94	Automated Profile Parsing and Skill Matching Using Named Entity Recognition and Natural Language Processing Techniques	Porwal, Vaibhav ; Kumar, Sandeep ; Ansari, M.A. ; Anand, R.S.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469023
95	Irradiation Modifications of Plant Proteins	Sonkar, Nitin ; Sonkar, Chitra ; Bhati, Payal	Recent Advances in the Modification of Plant Proteins			2026	10.1007/978-3-032-19821-1_8
96	Directional excitation of focused terahertz surface plasmons over a circularly grating surface of graphene	Srivastav, Rohit Kumar	Journal of Optics (United Kingdom)	28	1	2026	10.1088/2040-8986/ae2e0f
97	Descriptor-guided Clustering and Structure-based Identification of Raloxifene as a Non-Nucleoside DNMT1 Inhibitor	Agarwal, Chhaya ; Sharma, Dolly ; Mohini ; Yadav, Kiran ; Banerjee, Bhaswati	Research Journal of Biotechnology	21	9	2026	10.25303/219rjbt2210230
98	Introduction to Plant Proteins	Tanishaka ; Sharma, Vinita ; Chandel, Anu ; Nain, Vikash	Recent Advances in the Modification of Plant Proteins			2026	10.1007/978-3-032-19821-1_1
99	A Scalable Framework for Synthetic 3D Point Cloud Generation Using Primitive Shapes for Indoor Scene Understanding	Verma, Mukesh Kumar ; Pandey, Abhishek ; Tripathi, Yogesh ; Singh, Dinesh ; Rehan, Sobit	Lecture Notes in Networks and Systems	1794 LNNS		2026	10.1007/978-3-032-15398-2_21
100	Evaluating the feasibility of arsenic-safe drinking water options in the Western Bengal Basin, India;	Bhowmik, Tridip ; Bose, Oindrila ; Tripathy, Pratyay ; Sarkar, Soumyajit ; Jha, Maya ; Kumar, Kanhaiya ; Singh, Chander Kumar ; Bose, Nupur ; Ghosh, Ashok ; Agrahari, Sudha ; Sengupta, Probal ; Bhattacharya, Animesh ; Bhattacharya, Prosun ; Mukherjee, Abhijit	Hydrogeology Journal			2026	10.1007/s10040-026-03045-y
101	Deep Eutectic Solventâ €“Mediated Ionic Cascades: Direct Access to Azaindazoles and Related Fused Heterocycles from Diverse N-Arenes	Tyagi, Yashika ; Bera, Subhankar ; Sen, Soumil ; Bhati, Renu ; Guchhait, Biswajit ; Sriram, Dharmarajan ; Chatterjee, Tanmay ; Gremaud, Ludovic ; Sen, Subhabrata	Advanced Synthesis and Catalysis	368	11	2026	10.1002/adsc.70427
102	NovelPoseNet: Synthesizing novel views of 2D poses for absolute and relative monocular 3D human pose estimation	Upadhyay, Avinash ; Shukla, Ankit ; Sharma, Manoj	Pattern Recognition Letters	202		2026	10.1016/j.patrec.2026.02.007

103	Smart Self-Learning Reconfiguration for Partially Shaded PV Arrays	Gautam, Ashi ; Kashyap, Monika ; Pathak, Diwaker ; Verma, Gourav ; Sharma, Vidushi	IEEE Journal of Emerging and Selected Topics in Industrial Electronics			2026	10.1109/JESTIE.2026.3698546
104	Ando type dilation for completely contractive covariant representations	Rohilla, Azad ; Saini, Dimple	Acta Scientiarum Mathematicarum	92	1-Feb	2026	10.1007/s44146-025-00188-4
105	Computational modelling, molecular docking, and molecular dynamics simulation studies of Enterococcus faecalis diaminopimelate epimerase	Chaudhary, Jyoti ; Sharma, Prashant ; Singh, Nagendra ; Srivastava, Vijay Kumar ; Jyoti, Anupam ; Kaushik, Sanket	Social Science Forum	10	5	2026	10.10118/SSFJ/2610510
106	AI-Driven Framework for Automated Browser Artifact Forensics Analysis	Kushwaha, Pradeep Kumar ; Srivastava, Akansha ; Gupta, Amardeep ; Lohani, Bhanu Prakash ; Deshwal, Meenakshi ; Singh, Divya	International Conference on Innovative Practices in Technology and Management, ICIPTM 2026			2026	10.1109/ICIPTM69057.2026.11466020
107	Virtual Reality-Based Civil Engineering Education: A Learning Framework for Sustainable Development	Sharma, Manisha ; Singh, Indrajeet	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469045
108	Optimization ofÂ Winpmem Memory Acquisition Tool forÂ Enhanced Performance inÂ Digital Forensics	Rawal, Anurag ; Dinker, Aarti Gautam	Lecture Notes in Networks and Systems	1836 LNNS		2026	10.1007/978-3-032-18907-3_28
109	Harnessing pyridinium ylides for ionic cascades provides a scalable mechanochemical route to azaindazoles and related heterocycles	Bera, Subhankar ; Tyagi, Yashika ; Saha, Samiran ; Sen, Soumil ; Rather, Rafiq ; Chatterjee, Tanmay ; Gremaud, Ludovic ; Sen, Subhabrata	Cell Reports Physical Science			2026	10.1016/j.xcrp.2026.103098
110	AI-Driven Inventory Forecasting POS System	Kumar, Aman ; Singh, Shivendera Pratap ; Sakthi, G.	International Conference on Innovative Practices in Technology and Management, ICIPTM 2026			2026	10.1109/ICIPTM69057.2026.11465240
111	Innovations in Hemorrhage Management: Calcium Alginate, Celox, and Desmopressin as Next-generation Hemostatic Agents	Gaurav, Neelanshu ; Srivastava, Sakshi ; Rai, Ashish Kumar ; Jain, Divya ; Singh, Anupam	Cardiovascular and Hematological Disorders - Drug Targets			2026	10.2174/011871529X436175260610103955
112	Characterization Techniques for Solid Waste-Derived Catalysts	Vats, Tanvi ; Sharma, Shubhanshi	Catalysis from Waste: Transforming Solid Residues into Value			2026	10.1002/9781394289332.ch5

113	A Systematic Review on Advancements in Malware Detection Using Artificial Intelligence Frameworks	Attiuttama ; Sharma, Sanjay Kumar ; Yadav, Satya Prakash	SN Computer Science	7	5	2026	10.1007/s42979-026-04955-0
114	Challenges and Key Factors Affecting Cyberbullying Detection in Code-Mixed Hinglish Text	Goel, Swati ; Sharma, Sanjay Kumar ; Kumar, Ashok	Proceeding - 2026 IEEE 6th International Conference on Computing, Power, and Communication Technologies, IC2PCT 2026			2026	10.1109/IC2PCT68894.2026.11584281
115	A hybrid SMOTE and Gaussian mixture model based optimized XGBoost framework for bipolar disorder detection	Kumar, Santosh ; Kumari, Deeksha ; Panwar, Arvind ; Sagar, Shrddha ; Herout, Lukas ; Namazi, Hamidreza; Bhati, Nitesh Singh	Scientific Reports	16	1	2026	10.1038/s41598-026-39104-3
116	Stability Theory Corresponds to the Deformable Derivative	Naidu, Anju Dhiraj Kumar ; Ahmad, Anisa ; Ujlayan, Amit	International Journal of Special Education	41	6S	2026	
117	A deformable derivative approach to Euler's theorem for homogeneous functions and its extension to higher order partial derivatives	Naidu, Anju Dhiraj Kumar ; Ahmad, Anisa ; Ujlayan, Amit	Mathematical Models in Engineering	12	2	2026	10.21595/mme.2026.25815
118	In Silico Study of BRCA1 Mutations and PARP1 Inhibition by Olaparib in Breast Cancer	Singh, Sresi ; Ashraf, Mohd Tashfeen ; Ansari, Fatima	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469010
119	Artificial Intelligence, Autonomy, and Criminal Liability in India: Rethinking Accountability	Yadav, Gaurav	Artificial Intelligence and the Law: Global Perspectives, Regulatory Challenges, and Emerging Jurisprudence			2026	10.4324/9781003773900-11
120	Effect of multiphase distributors on gas-liquid flow uniformity in parallel micro and milli-channels	Moorthy, Bhalaji ; Gupta, Karan ; Rajesh, V.M.	Chemical Engineering Journal	530		2026	10.1016/j.cej.2026.173313
121	Machine Learning-Based Discovery of Natural PknB Inhibitors Against Drug-Resistant Mycobacterium tuberculosis With Multi-Scale Modeling and Quantum Mechanical Validation	Singh, Rahul ; Tripathi, Vishwas ; Dwivedi, Vivek Dhar ; Chouhan, Garima	ChemistrySelect	11	33	2026	10.1002/slct.74301

122	Comparative leaf litter decomposition dynamics under native and invasive canopies in a semi-arid forest ecosystem	Ojha, Anju Kumar ; Bala, Chandra	Arid Land Research and Management			2026	10.1080/15324982.2026.2684479
123	Language and diagnosis: A phenomenological inquiry into healthcare professionalsâ €™ experiences in multilingual settings	Malik, Anu ; Bhatt, Arushi	International Journal of Healthcare Management			2026	10.1080/20479700.2026.2680951
124	Comparative studies on molecular compositions of different varieties of chocolates using DFT-based vibrational analysis and ATR-FTIR spectroscopy coupled with bootstrap assisted PCA	Sharma, Neha ; Uppal, Anshul ; Banerjee, Mousumi ; Inzoudine, Djabir Abdallah ; Prabhakar, Budigi ; Khajuria, Yugal ; Singh, Vivek K. ; Gondal, Mohammed A.	European Food Research and Technology	252	5	2026	10.1007/s00217-026-05141-5
125	Bibliometrics analysis on AI and Marketing	Kumar, Rohit ; Kumar, Naveen ; Kiran, Dipti ; Srivastava, Arun Pratap ; Singh, Ravi ; Singh, Indrajeet	2026 International Conference on Sustainable Computing and Integrated Communication in Changing Landscape of Al, ICSCAI 2026			2026	10.1109/ICSCAI68849.2026.11649247
126	Advancing stability enhanced hydrogen detection using Sn-doped ZnO thin films via thermally regulated zeolite humidity filtration	Kumar, Rohit ; Ghosh, Puja ; Gupta, Anurag ; Agrawal, Harshita ; Prajapati, C.S.	Ceramics International	52	4	2026	10.1016/j.ceramint.2025.12.214
127	LoRA-Based Benchmarking of Multilingual BERT Models for Hindi-English Code-Mixed Text	Vishwakarma, Shashank ; Kumar, Rakesh	2026 International Conference on Intelligent Systems in Engineering, Secured Systems and Cybersecurity, ICISESSC 2026			2026	10.1109/ICISESSC68634.2026.11542676