

GBU Research Publications from March 2026 to May, 2026

S.No.	Title of the Article	Authors	Journals Name	Volume	Issue	Year	DOI
1	GLAD-ViT: Global-Local Attention Duality in Vision Transformers for Deepfake Detection	Pandey P.; Solanki A.; Sharma S.K.	IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)	43	2	2026	10.1080/02564602.2026.2621327
2	Ensemble-Based Deep Learning Framework for Detecting Deepfake Images and Videos	Singh S.; Kumar R.; Rai A.; Kushwaha A.; Baghel A.S.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468972
3	A review of security threats and privacy issues in federated learning	Agrahari A.K.; Dinker A.G.; Singh R.B.	International Journal of Data Science and Analytics	22	1	2026	10.1007/s41060-026-01067-z
4	OTM: An Efficient Task Management and Offloading Scheme Using Proximity-Based Clustering, Fuzzy Logic, and Optimization in Edge-Cloud IoT Systems	Naaz Z.; Chauhan N.; Sharma V.	Journal of Grid Computing	24	1	2026	10.1007/s10723-025-09820-7
5	Unsupervised Software Defect Prediction in Haskell: A Metrics-Driven Ensemble Approach Using Function-Level Thresholding	Kumar R.; Chaturvedi A.	Arabian Journal for Science and Engineering			2026	10.1007/s13369-026-11366-z
6	Identification of Unknown Malware: An Advanced Machine Learning Approach Using Grey Wolf Optimization	Attiuttama; Sharma S.K.; Yadav S.P.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469169

7	Comparative Analysis of Machine Learning Models in Groundwater Quality Assessment: A Systematic Review	Kumar A.; Singh P.K.; Kumar V.; Kumar R.P.; Patel R.; Kumari S.; Saw S.	Water Environment Research	98	5	2026	10.1002/wer.70401
8	Fecal Contamination in Drinking Water: A review of detection techniques, pathogen dynamics, and sustainable remediation approaches	Gaur N.; Shankar S.; Chaudhary R.; Akhtar N.; Vyas A.	Environmental Monitoring and Assessment	198	4	2026	10.1007/s10661-026-15135-1
9	Federated Reinforced Trust Platform: A Next-Generation Trust Model for Secure and Resource-Efficient Wireless Sensor Networks	Kumar L.; Baghel A.S.; Singh R.B.	2026 3rd International Conference on Advancements and Key Challenges in Green Energy and Computing, AKGEC 2026			2026	10.1109/AKGEC68790.2026.1485849
10	Comparative Analysis of XGBoost and LightGBM Models for Glucose Metabolism Disorder Prediction Using IQR-Based Data Preprocessing	Singla D.; Mehla R.; Dureja E.; Shipra; Khurana S.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469171
11	Electrochemical performance of ZnO:MnO:VO ternary metal oxide nanocomposite for supercapacitor applications	Kumari R.; Sharma P.K.; Shukla V.K.; Kumar Y.	Journal of Materials Science: Materials in Electronics	37	12	2026	10.1007/s10854-026-17257-1
12	ColdStartNet: A Hybrid Stacked Model for Proactive Cold Start Latency Prediction in Cloud & Edge Computing	Sharma Y.; Baghel A.S.	Lecture Notes in Networks and Systems	1773 LNNS		2026	10.1007/978-3-032-14197-2_30

13	Optimal integration of Renewable based Distributed Generators via Hybrid GA-PSO approach	Gandotra R.; Pal K.	Iranian Journal of Electrical and Electronic Engineering	22	1	2026	10.22068/IJEEE.22.1.3492
14	LLM-Based Efficient Framework for Dense Video Captioning	Yadav S.; Sharma V.	Lecture Notes in Networks and Systems	1493 LNNS		2026	10.1007/978-981-96-8399-4_33
15	Enhanced Near-Field Localization in Au@CdSe Nanoshells: Toward Next-Generation Sensing Devices	Juneja S.; Shishodia M.S.; Rajput P.; Singh A.; Kumar V.; Sharma K.K.	EPJ Web of Conferences	356		2026	10.1051/epjconf/202635602002
16	Adaptive Task-Based CPU Scaling for Efficient Power Allocation in Edge Computing	Kushwaha A.; Pal R.	Lecture Notes in Networks and Systems	1772 LNNS		2026	10.1007/978-3-032-14044-9_28
17	Structural insights into polyethylene terephthalate (PET)-degrading archaeal lipase enzyme: An insilico approach	Puri P.; Pandey K.; Khuman A.B.; Kumar S.; Mehtab S.; Chaudhary B.; Singhal B.	Bioremediation Journal	30	1	2026	10.1080/10889868.2024.2404880
18	Bolajoko Olubukunola (57218504682); Onyedibe		Marcel (57218675654); Oradova	Aksoltan Shyhduurdyevna (57208596175); Ordak	Michal (55992015900); Orish	Kenneth Ikenna (55443978500); Opitz	Eric (57198278374); Othman
19	Russian Federation; College of Health Sciences	ited States; Department of Epidemiology and Evidence-Based Medicine	Hanoi	Viet Nam; Research Advancement Consortium in Health	Hanoi	VinUniversity	University of Cambridge

20	United States	Vegas	Coforge	Georgia	GA	IT Department	Iran
21	Need for a shift from passive dissent to active dissent: A study of voter apathy in India	Sharma R.; Pandey S.	Humanities and Social Sciences: A Multidisciplinary Approach			2026	10.1201/9781003771937-18
22	Modeling of Nonholonomic Differential-Drive Robots for Control and Navigation	Singh J.; Singh N.; Dewan L.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469043
23	Determining Battery State of Health and Remaining Useful Life Using I-XGBoost and Explainable AI Techniques	Dev T.; Dinker A.G.	Lecture Notes in Networks and Systems	1792	LNNS	2026	10.1007/978-3-032-15401-9_12
24	Li-Ion Battery Characteristic Analysis with the Help of Rint Equivalent Circuit Model	Sharma R.; Pal K.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469027
25	Comprehensive Analysis of Design Parameters, Configurations, and Energy Management in Autonomous Unified Distributed Generation Systems	Chaturvedi S.; Singh O.; Kushwaha P.K.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469028

26	Evaluating YOLOv12 and RT-DETR for Robust Brain Tumor Detection in MRI Scans	Yadav S.; Saini I.; Sharma V.; Shah R.R.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469150
27	Evaluation of Mechanical Properties of Graphene-Reinforced PETG Filaments Fabricated by FDM: Influence of Reinforcement and Process Parameters	Shakya R.K.; Mangal D.; Maurya N.K.	Journal of Computers, Mechanical and Management	5	2	2026	10.57159/jcmm.5.2.25388
28	LSTM Credibility in Stock Market Prediction	Kumar M.; Singh N.; Kumar N.	Lecture Notes in Networks and Systems	1690 LNNS		2026	10.1007/978-3-032-08859-8_30
29	The social and economic impact of startups in the FinTech industry in India	Vivekanand; Anand S.	Organizational Resilience and Leadership issues in the dynamic era			2026	10.4324/9781003725084-74
30	Innovative parallel grasshopper optimization algorithm for reliability optimization	Singh D.; Chand N.	MethodsX	16		2026	10.1016/j.mex.2025.103759
31	Integrative Approach to Fungal Infections and Bioprospecting for Drug Discovery: Volume 2	Sharma E.; Puria R.; Kumar K.	Integrative Approach to Fungal Infections and Bioprospecting for Drug Discovery: Volume 2	2		2026	10.1201/9781003752196
32	Deciphering the Role of Biofilm in Fungal Pathogenesis	Bandhu T.; Kumar P.M.C.; Bihaniya H.; Gatal C.U.; Gangwar G.; Thakur A.	Integrative Approach to Fungal Infections and Bioprospecting for Drug Discovery: Volume 1			2026	10.1201/9781003633952-9
33	A Detailed Performance Analysis of Deepfake Detection Approaches Across Diverse Datasets	Pandey P.; Solanki A.; Sharma S.K.	Lecture Notes in Networks and Systems	1691 LNNS		2026	10.1007/978-981-95-3671-9_28

34	Artificial Intelligence-Powered Intrusion Detection Framework with Class Imbalance Mitigation for Accuracy Performance Enhancement	Chandrashekar P.; Sharma B.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469134
35	Comparative analysis of body parameters for fracture and post-healing patient using a non-invasive bioimpedance device	Brajesh K.; Aldobali M.; Pal K.; Khan M.	Scientific Reports	16	1	2026	10.1038/s41598-026-37336-x
36	Disentangling Style - A Supervised Factorized VAE for Controllable Polyphonic Music Generation	Sharma B.; Baghel A.S.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469113
37	Crime Prediction and Forecasting in India Using Hybrid Machine Learning and Deep Learning Techniques	Vikram S.; Solanki A.	Lecture Notes in Networks and Systems	1699	LNNS	2026	10.1007/978-3-032-09825-2_37
38	Green Synthesis of Aliphatic Esters Using Acid-Treated Perlite Catalysts under Microwave Irradiation: Optimization and Mathematical Modelling Using RSM	Sharma M.; Malpani S.K.; Singh D.; Goyal D.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469165
39	Sentiment Analysis of Amazon Product Reviews and Its Impact on Sales Performance: A Data- Driven Approach	Kaushik A.; Bhati N.S.	Lecture Notes in Networks and Systems	1775	LNNS	2026	10.1007/978-3-032-14189-7_12

40	Water Leakage Detection Using AI-IoT in the Pipeline	Mall A.; Sharma V.; Verma G.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468905
41	Multi Objective Approach Using Genetic Programming for Data Classification	Chauhan N.; Bhardwaj A.	Lecture Notes in Networks and Systems	1711 LNNS		2026	10.1007/978-3-032-10667-4_29
42	Unlocking Zero: An Architect's Guide to Net-Positive Built Environment	Agarwal A.M.; Panchal A.A.	Unlocking Zero: An Architect's Guide to Net-Positive Built Environment			2026	
43	Nanonizing bioactives: precision chemistry for next-gen therapeutics	Biswas P.; Desai B.M.A.; Ghosh S.; Banerjee B.; Verma D.; Kathirselvam M.; Chauhan S.; Gupta P.K.	Discover Materials	6	1	2026	10.1007/s43939-026-00542-5
44	\mathbb{H}^* -Closed Sets in Topological Spaces	Tomar N.K.; Rani S.; Subadra N.	Boletim da Sociedade Paranaense de Matematica	44	2 Special Issue on Recent Advances in Computational and Applied Mathematics	2026	10.5269/bspm.80446
45	Sentiment Analysis of Gaming Related Tweets Using a Hybrid Deep Learning Approach	Agnihotri A.; Singh R.B.	Lecture Notes in Networks and Systems	1690 LNNS		2026	10.1007/978-3-032-08859-8_17
46	Integrative Approach to Fungal Infections and Bioprospecting for Drug Discovery: Volume 1	Sharma E.; Puria R.; Kumar K.	Integrative Approach to Fungal Infections and Bioprospecting for Drug Discovery: Volume 1			2026	10.1201/9781003633952

47	Brain Tumor Detection, Feature Extraction & Classification Using AI Techniques: A Review	Rituja; Ansari M.A.; Singh J.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469129
48	Design and Comparative Analysis of Different Compensation Techniques for EV Charging	Kumar P.; Ansari M.A.; Agrawal R.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469135
49	Integrative proteomics, microbiome-based and molecular approaches with implications in plant health management	Singh A.; Tandon S.; Tandon C.; Srivastav R.	Emerging Omics Technologies for Sustainable Agriculture			2026	10.1016/B978-0-443-40316-3.00018-7
50	Automated Brain Tumor Segmentation and Classification Using Enhanced MRI Reconstruction via SwinMR	Sharma D.; Pal R.; Kinjal	Lecture Notes in Networks and Systems	1796 LNNS		2026	10.1007/978-3-032-15407-1_19
51	Short-Term Solar Power Forecasting: A Novel Approach with Evolutionary Mating Algorithms and Deep Neural Network Hybrid Model	Singh R.; Singh O.; Arya Y.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468914
52	Effect of traditional and non-traditional energy sources on SDG 7.1 access to affordable, reliable, sustainable and modern energy: study of BRICS nations	Yadav R.; Anand S.; Singh K.	Organizational Resilience and Leadership issues in the dynamic era			2026	10.4324/9781003725084-84

53	Development of a Real-Time Multi Modal Sensor for Field Based Microplastic Detection	Upadhayay S.; Bhadaurya V.; Singh Y.; Dwivedi V.; Singh Y.; Sharmishtha	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469066
54	Practical Optimization: Big M with Python and R	Bijin Sanny P.R.; Dubey A.; Pratyusha M.N.; Dey A.; Kumar R.	Driving Innovation by Dynamic Optimization: The Challenges of Reshaping Industry			2026	10.1002/9781394315727.ch8
55	LTI Discrete Systems Order Reduction Based on SSOA and Dominant Pole Retention Method	Singh B.; Singh N.; Singh D.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468925
56	Efficient Incremental Multi-Fidelity ML-Surrogate-Integrated Hybrid Optimization for Multiobjective Problems	Agrawal N.; Pal R.; Singh R.B.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468991
57	Revolutionizing Heart Disease Prediction with Hybrid Machine Learning Models	Dagar V.; Solanki A.	Lecture Notes in Networks and Systems	1690 LNNS		2026	10.1007/978-3-032-08859-8_28
58	Improved Performance of Crop Disease Detection Using AI	Yadav A.; Ray V.K.; Goyal P.	Lecture Notes in Networks and Systems	1603 LNNS		2026	10.1007/978-3-032-03769-5_36

59	Microwave-assisted green synthesis of mixed-phase Cu ₂ O/CuO heterojunction nanoparticles for pH-versatile and efficient photocatalytic degradation of organic dyes	Kumari S.; Singh V.; Singh D.	Cleaner Water	6		2026	10.1016/j.clwat.2026.100265
60	Enhanced Software Bug Prediction Using Ensemble Learning and Genetic Algorithm-Based Feature Selection	Gupta N.A.; Pal R.; Gupta H.A.	Lecture Notes in Networks and Systems	1772 LNNS		2026	10.1007/978-3-032-14044-9_29
61	AI Driven Early Warning System for Brain Stroke Risk	Kaur S.; Khurana S.; Sharma V.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468921
62	Apple Foliar Leaf Disease Detection Using Machine Learning	Kumar U.; Pal R.; Tomar S.Y.	Lecture Notes in Networks and Systems	1772 LNNS		2026	10.1007/978-3-032-14044-9_25
63	Anti-cancer and dual inhibitory potential of PI3K/AKT and Ras/MAPK/ERK signalling of a novel zinc (II) trinuclear complex with tetradentate schiff base ligand and azido ion in prostate adenocarcinoma: synthesis, in silico and in vitro evaluation	Wasai A.; Roy A.; Barua M.; Ghosh P.; Saxena A.; Boulaamane Y.; Goyal N.; Chandra A.; Koner S.N.; Saha S.; Saha B.; Pore S.K.; Rizzoli C.; Mandal S.	Journal of Molecular Structure	1360		2026	10.1016/j.molstruc.2026.145636

64	Comparative transcriptome analysis reveals ABI3/VP1-WRKY25-STR1 regulatory module linking specialized metabolism with root system development and stress response in <i>Rauvolfia serpentina</i>	Tyagi S.; Singh B.; Singh M.; Gupta V.	BMC Genomics	27	1	2026	10.1186/s12864-026-12565-6
65	AI-Driven Diagnostic Analysis: Innovations, Challenges, and Future Directions in Medical Imaging and Disease Detection	Jha S.; Singh N.; Ansari M.A.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468898
66	Evaluating the feasibility of arsenic-safe drinking water options in the Western Bengal Basin, India; [è¯¸, ä¼ââ-ÿâ æ<%ç>†â °èÿçéç·ââ...éÿç”æ°’ æ-¹æççš,âèç(ææ§)]; [Ã%valuation de la faisabilitÃ© des options	Bhowmik T.; Bose O.; Tripathy P.; Sarkar S.; Jha M.; Kumar K.; Singh C.K.; Bose N.; Ghosh A.; Agrahari S.; Sengupta P.; Bhattacharya A.; Bhattacharya P.; Mukherjee A.	Hydrogeology Journal			2026	10.1007/s10040-026-03045-y
67	Genomic profiling and molecular dynamics analysis of parDEPa toxin-antitoxin homologs targeting DNA gyrase in <i>Pseudomonas aeruginosa</i> : insights from computational investigations	Gupta N.; Yadav M.; Ali W.; Singh G.; Chaudhary S.; Grover S.; Chandra S.; Rathore J.S.	Journal of Biomolecular Structure and Dynamics	44	3	2026	10.1080/07391102.2024.2446675
68	EEG-Based Automated Epileptic Seizure Detection using AI: A Comprehensive Review	Jha S.; Singh N.; Ansari M.A.; Ansari F.; Mishra A.; Gupta P.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469116

69	Hybrid Grasshopper Algorithm Enhanced by a Self-Organizing Logistic Operator for Engineering Optimization	Chand N.; Singh D.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468979
70	Fungal Infections: An Emerging Global Threat to Human Health, Current Trends, and Challenges	Singh G.; Chamola A.; Rathore J.S.; Ghosh C.	Integrative Approach to Fungal Infections and Bioprospecting for Drug Discovery: Volume 1			2026	10.1201/9781003633952-2
71	Recent Scenario of Automatic Generation Control in Interconnected Power System	Lal M.; Singh O.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469044
72	Corrigendum to "Advanced predictive modelling of urban expansion and land surface temperature dynamics using multi-scale machine learning approaches" [Adv. Space Res. 77(2) (2026) 1679-1702]	Bindajam A.A.; Mallick J.; Hang H.T.; Singh C.K.	Advances in Space Research	77	9	2026	10.1016/j.asr.2026.02.007
73	Leveraging R and Python for Advanced Graphical Optimization Solutions	Bijin Sanny P.R.; Dubey A.; Pratyusha M.N.; Dey A.; Kumar R.	Driving Innovation by Dynamic Optimization: The Challenges of Reshaping Industry			2026	10.1002/9781394315727.ch9
74	STGT: Spatio-temporal graph transformer for robust deepfake detection using dynamic facial features	Pandey A.; Solanki A.	Signal, Image and Video Processing	20	3	2026	10.1007/s11760-026-05191-y

75	Computational characterization of a HotDog domain-containing hypothetical protein from the food vacuole of Plasmodium falciparum reveals potential allosteric regulation by antimalarials	Gupta P.; Kaushik N.K.; Sachdeva C.; Mathur K.; Pai S.S.; Saha B.; Dhir S.; Sharma A.	Journal of Biomolecular Structure and Dynamics	44	8	2026	10.1080/07391102.2025.2567918
76	A herbal formulation inhibits growth and survival of lung cancer cells through DNA damage and apoptosis - in vitro and in vivo studies	Ali M.; Punia R.; Singh N.; Shamsi Y.; Singh R.P.	Journal of Ayurveda and Integrative Medicine	17	2	2026	10.1016/j.jaim.2025.101313
77	Mathematical Modelling of Thunderbolt Lightning for Analysis of its Voltage Characteristics	Verma B.S.; Singh N.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469111
78	Virtual Reality-Based Civil Engineering Education: A Learning Framework for Sustainable Development	Sharma M.; Singh I.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469045
79	A Load Frequency Control in the Two-Area Power System Network for the Measurement and Analysis of Various Performance Parameters Using h-GO-NN Controller Under Different Conditions	Rana A.S.; Singh O.; Vishwakarma C.B.	Mapan - Journal of Metrology Society of India	41	1	2026	10.1007/s12647-025-00882-2

80	Design of IMC Based FLC for the Load Frequency Control in the Two-Area Power System Network	Rana A.S.; Singh O.; Vishwakarma C.B.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469144
81	Integrative Genomic and Structural Analysis Reveals Diversity and Stability of yefM-yoeBXn Toxin-Antitoxin Module in Xenorhabdus nematophila	Singh G.; Chaudhary M.; Gupta N.; Chaudhary S.; Nain V.; Rathore J.S.	Current Microbiology	83	5	2026	10.1007/s00284-026-04873-7
82	Preface	Sharma E.; Puria R.; Kumar K.	Integrative Approach to Fungal Infections and Bioprospecting for Drug Discovery: Volume 2	2		2026	
83	Finite Element Assessment of the Structural Response of a Building Subjected to Blast Loading	Bharti R.; Ram S.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468906
84	Distilling Deep Learning for the Field: Lightweight Plant Disease Diagnosis via ResNet-50 to MobileNetV2 Transfer	Sharma V.; Pal R.	Lecture Notes in Networks and Systems	1797 LNNS		2026	10.1007/978-3-032-15410-1_17
85	Heavy Metal Accumulation on the Roadside Plant Species with Ethnobotanical Significance and Human Health Risk Assessment: A Case Study of a Major Highway Near the Coal Capital of India	Rahul J.; Jain M.K.; Raj B.; Sharma M.; Shankar S.; Naz A.; Chowdhury A.	International Journal of Environmental Research	20	1	2026	10.1007/S41742-025-01040-X

86	Improved Paddy Leaf Disease Detection Model Using Machine Learning	Gour A.; Goyal P.; Ray V.K.	Lecture Notes in Networks and Systems	1796 LNNS		2026	10.1007/978-3-032-15407-1_2
87	Translating Generative AI into Clinical Healthcare: A Comprehensive Review of Methods, Performance, and Challenges	Jha S.; Singh N.; Ansari M.A.; Ansari F.; Krishna A.; Shukla S.K.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468890
88	AI-Driven Discovery and Analysis of Natural Compounds in Oral Cancer: A Mini Review (2014-2024)	Bhati P.; Neetu; Singh S.; Goel V.; Khan A.A.; Ashraf M.T.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468879
89	Design and Implementation of iQSCR-DE-MADDPG Routing Protocol for FANETs	Dev P.; Singh N.; Kumar N.	Lecture Notes in Networks and Systems	1794 LNNS		2026	10.1007/978-3-032-15398-2_22
90	Translating the Art of Poetry: A Comparative Study of Advanced Translation Models	Tewari P.; Gupta K.; Baghel A.S.	Lecture Notes in Networks and Systems	1854 LNNS		2026	10.1007/978-3-032-18846-5_15
91	Numerical Simulation of Thunderstorm Events Using WRF-ARW Model over Uttar Pradesh, India during Pre-Monsoon	Kumar N.; Kumar S.; Routray A.; Panda S.K.; Kumari N.; Essic G.T.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469024
92	Towards Safer Smart Contracts: A Transformer-Based Approach to Multiclass Vulnerability Detection	Vats N.; Dinker A.G.	Lecture Notes in Networks and Systems	1796 LNNS		2026	10.1007/978-3-032-15407-1_3

93	STYLISTICALLY-AWARE HINDI-ENGLISH POETIC TRANSLATION WITH MBART AND LLM-BASED POST-EDITING	Tewari P.; Baghel A.S.	Journal of Theoretical and Applied Information Technology	104	3	2026	10.5281/zenodo.18667066
94	Cinnamomum bark oils: Antifungal properties, mechanisms of action and health	Mishra R.; Sharma D.; Banerjee B.	Allelopathy Journal	67	1	2026	10.26651/allelo.j/2026-67-1-1567
95	Antimicrobial efficacy of Cinnamomum Species leaf and bark oils	Mishra R.; Sharma D.; Agarwal C.; Banerjee B.	Allelopathy Journal	67	1	2026	10.26651/allelo.j/2026-67-1-1565
96	Enhancing Dry Bean Classification Through Machine Learning Algorithms	Choudhary P.; Bhardwaj A.	Lecture Notes in Networks and Systems	1603 LNNS		2026	10.1007/978-3-032-03769-5_37
97	Hybrid BiLSTM-WOC for Stock Market Prediction: A High-Precision Deep Learning Approach	Tomar N.; Pal R.; Tomar S.Y.	Lecture Notes in Networks and Systems	1722 LNNS		2026	10.1007/978-3-032-10756-5_29
98	Linear Optimization: Simplex Method in Python and R	Bijin Sanny P.R.; Dubey A.; Pratyusha M.N.; Dey A.; Kumar R.	Driving Innovation by Dynamic Optimization: The Challenges of Reshaping Industry			2026	10.1002/9781394315727.ch10
99	Heterocyclic Compounds in Pharmaceutical World: Synthesis and Their Biological Activities	Karnatak M.; Chak P.; Chaudhary D.; Kumar A.	Mini-Reviews in Medicinal Chemistry			2026	10.2174/0113895575438924260331114108
100	Short-Term Renewable Energy Forecasting Methods Using Artificial Neural Networks: A Comprehensive Review	Singh R.; Singh O.	Studies in Computational Intelligence	1240		2026	10.1007/978-3-032-06732-6_5
101	Metagenomic Perspectives on the Human Gut Ecosystem and Disease Associations	Kumar B.; Megur A.; Kaushik N.; Singh S.	Integrative Approach to Fungal Infections and Bioprospecting for Drug Discovery: Volume 1			2026	10.1201/9781003633952-10

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103	Brain Tumour Detection Using the VGG-16 CNN on MRI Image	Usmani H.; Ansari M.A.; Yadav R.K.; Sachan S.; Kumar R.; Tripathi V.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469108
104	Mechanistic inhibition of FtsZ-driven bacterial cytokinesis by natural products: an integrated machine learning and advanced drug discovery approach	Singh R.; Tripathi V.; Dwivedi V.D.; Chouhan G.	Molecular Diversity	30	2	2026	10.1007/s11030-025-11332-1
105	Recent Trends of CNN in Medical Imaging: A Comprehensive Analysis	Tyagi C.; Ansari M.A.; Usmani H.; Yadav R.K.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469172
106	Comparative studies on genetic differentiation between two closely related species of <i>Drosophila</i> , <i>D. bipectinata</i> and <i>D. malerkotliana</i>	Singh G.; Singh A.K.; Tiwari A.K.	Journal of Evolutionary Biology	39	3	2026	10.1093/jeb/voaf142

107	A Novel SHAP-Enhanced LightGBM Framework with Optuna Optimization for Robust Credit Risk Assessment in Financial Systems	Singh R.R.; Ray V.K.	Lecture Notes in Networks and Systems	1607 LNNS		2026	10.1007/978-3-032-03751-0_21
108	Optimizing Assignment Solutions: Integrating R and Python for Enhanced Workforce Efficiency	Bijin Sanny P.R.; Dubey A.; Pratyusha M.N.; Dey A.; Kumar R.	Driving Innovation by Dynamic Optimization: The Challenges of Reshaping Industry			2026	10.1002/9781394315727.ch7
109	A hybrid SMOTE and Gaussian mixture model based optimized XGBoost framework for bipolar disorder detection	Kumar S.; Kumari D.; Panwar A.; Sagar S.; Herout L.; Namazi H.; Bhati N.S.	Scientific Reports	16	1	2026	10.1038/s41598-026-39104-3
110	PV array-integrated power quality conditioner with JLHCF robust sparse adaptive control algorithm for grid stability	Kumar R.; Singh O.; Kumar S.; Prasad T.	Electrical Engineering	108	5	2026	10.1007/s00202-026-03629-7
111	Computational design and evaluation of anilinoquinazoline derivatives as potential anti-tuberculosis agents: DFT, docking, ADMET, and molecular dynamics simulation	Nyijime T.A.; Shallangwa G.A.; Uzairu A.; Umar A.B.; Ibrahim M.T.; Chandra A.; Singh N.	Microbe (Netherlands)	10		2026	10.1016/j.microb.2026.100683
112	Effect of Recycled Concrete Aggregate (RCA) on Strength and Durability of Concrete	Verma M.; Nigam M.; Singh I.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469119

113	AFIR: Adaptive Feature Importance Ranking for Accelerated SHAP Explanations in Deep Learning	Yadav T.; Baghel A.S.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469132
114	Heart Disease Prediction: Nature-Inspired and Machine Learning Methods	Gautam S.; Ray V.K.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468947
115	Optimizing supercontinuum generation spanning mid-infrared region in a solid core Ge ₁₀ S ₁₀ Se ₅₅ (GAS) photonics crystal fiber: design and simulation insights	Yusuf Y.G.; Rani P.; Dillu V.	Journal of Optics (India)			2026	10.1007/s12596-026-03129-8
116	Decoding Non-Neuronal Mechanisms and Therapeutic Targets in Huntington's Disease Through Integrative Transcriptomics and Machine Learning	Gupta H.; Singh S.; Kaushik A.C.; Awasthi A.K.; Sahi S.	Journal of Molecular Neuroscience	76	1	2026	10.1007/s12031-025-02463-z
117	In Silico Study of BRCA1 Mutations and PARP1 Inhibition by Olaparib in Breast Cancer	Singh S.; Ashraf M.T.; Ansari F.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469010

118	Bi-metallic transition metal nitrides-based gain-assisted nanomaterials for lasing and switching	Pathania P.; Shishodia M.S.; Katyal J.	Journal of Modern Optics	73	9	2026	10.1080/09500340.2026.2620463
119	Enhancing Customer Segmentation Using LRFA: A Data Driven Approach to Revenue-Based Online Shopper Analysis	Yadav G.; Ray V.K.; Goyal P.	Lecture Notes in Networks and Systems	1795 LNNS		2026	10.1007/978-3-032-15404-0_32
120	Improved Plant Disease Classification Using Deep Transfer Learning Techniques	Gupta S.; Ray V.K.; Goyal P.	Lecture Notes in Networks and Systems	1607 LNNS		2026	10.1007/978-3-032-03751-0_40
121	ResEffNet: Web-Based Mpox Skin Lesion Detection System	Singh T.; Solanki A.	Lecture Notes in Networks and Systems	1608 LNNS		2026	10.1007/978-3-032-03740-4_25
122	AO Modelling for Load Balancing in Cloud Environment with Comparative Study	Tyagi S.; Singh N.; Kumar N.	Lecture Notes in Networks and Systems	1775 LNNS		2026	10.1007/978-3-032-14189-7_1
123	Overview of Green Building Certification for an Existing Building	Thakre S.M.; Agarwal A.M.; Dhote K.K.	Unlocking Zero: An Architect's Guide to Net-Positive Built Environment			2026	
124	Integrating Memristor-Based Median Filtering at the Sensor Front End for Biomedical Image Enhancement	Hindoliya L.K.; Das M.; Jyoti K.; Paul A.; Kumar M.; Yadav S.; Pachori R.B.; Mukherjee S.	IEEE Sensors Letters	10	3	2026	10.1109/LESENS.2026.3658617
125	A Hybrid Quadratic Self-Organizing Migrating Grasshopper Algorithm for Continuous Optimization	Singh D.; Chand N.	Lecture Notes in Networks and Systems	1520 LNNS		2026	10.1007/978-981-96-8987-3_18

126	A Comprehensive Review on Solar PV Microgrid Systems for Optimal Operations and Sustainability	Philip J.; Ansari M.A.; Rihan M.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468948
127	A Systematic Review of Human Well-Being in Energy-Efficient Design: Coherences and Contradictions	Saqib M.; Agarwal M.	Unlocking Zero: An Architectâ€™s Guide to Net-Positive Built Environment			2026	
128	U-Net Convolved Network for Segmenting Cervical Fractures from Spine CT Images	Verma A.; Singh S.; Singh N.; Kumar N.	Lecture Notes in Networks and Systems	1603 LNNS		2026	10.1007/978-3-032-03769-5_40
129	Evaluating Machine Learning Models for Diabetes Prediction: A Comparative Study Using Distinct Datasets	Chaudhary A.; Solanki A.	Lecture Notes in Networks and Systems	1691 LNNS		2026	10.1007/978-981-95-3671-9_47
130	Chronic Kidney Disease Prediction and Preventive Recommendation using Machine Learning	Sharma M.; Sharma S.; Sharma S.K.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468882
131	Hybrid Machine Learning Models for Credit Risk Prediction: An Explainable AI Approach	Krishna S.; Solanki A.	Lecture Notes in Networks and Systems	1597 LNNS		2026	10.1007/978-3-032-02831-0_39
132	Investigation of friction stir weld joints of copper sandwich aluminium alloy	Gupta M.K.; Rathore R.; Mahto J.N.; Gupta T.K.; Mangal D.; Gangil B.	Welding International			2026	10.1080/09507116.2026.2669550

133	In silico insights into microplastic additive toxicity: Risks of pulmonary fibrosis and endocrine disruption	Shivangi K.; Moyal J.P.; Mishra A.; Shankar S.	Indian Journal of Biochemistry and Biophysics	63	1	2026	10.56042/ijbb.v63i1.23024
134	Detection of Luekemia with Microscopic Image Using ML Techniques	Prasad S.; Bhati N.S.	Lecture Notes in Networks and Systems	1691 LNNS		2026	10.1007/978-981-95-3671-9_33
135	Towards identification of novel inhibitors of EGFR mutants through in-silico approach	Khodlan P.; Chakraborty R.; Malik T.; Singh M.P.; Rajbhar P.; Kumar P.; Kumar R.; Mohan A.; Kumar A.	Cancer Treatment and Research Communications	47		2026	10.1016/j.ctarc.2026.101179
136	Real-Time Vision Models for Public Safety and Accessibility on Low-Resource Devices	Prasad H.; Dinker A.G.; Singh R.K.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11468963
137	Hindi Poetry Translation Using Neural Machine Translation	Tewari P.; Baghel A.S.	Journal of Computer Science	22	1	2026	10.3844/jcssp.2026.360.366
138	Phytofabricated Silver Nanoparticles from Origanum majorana: Anti-Pathogenic Activity and Biocompatibility Evaluation	Gaur N.; Sharma E.; Raghuvanshi P.; Kumar K.; Mathur K.; Chandra A.; Singh N.	Microbial Pathogenesis	215		2026	10.1016/j.micpath.2026.108473
139	CRISPR/Cas system and AI tools for effective gene editing in vegetable crops: a systematic review	Kumar M.; Chaudhary V.; Chaudhary V.; Kumar R.; Sirohi U.; Singh R.; Singh D.; Teotia S.	Discover Applied Sciences	8	4	2026	10.1007/s42452-026-08305-w

140	AI-Driven Deep Learning for Real-Time DDoS Detection in Software-Defined Networks	Kumar S.; Singh S.K.; Kumar R.; Sainy S.K.; Naveen; Yadav A.K.; Gill S.S.	2026 2nd International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics, IC3ECSBHI 2026			2026	10.1109/IC3ECSBHI67834.2026.11469138
141	CBAM-Enhanced Deep Learning System for Pipelining Segmentation and Classification of Pathologic Myopia	Pandey K.; Ray V.K.; Goyal P.	Lecture Notes in Networks and Systems	1777 LNNS		2026	10.1007/978-3-032-14194-1_28
142	Machine learning-assisted design and optimization of ultra-wideband bandpass filter	Agrawal N.; Sazid M.; Pal R.; Gautam A.K.; Kumar A.; Nagar M.R.	AEU - International Journal of Electronics and Communications	212		2026	10.1016/j.aeue.2026.156340
143	Brain Stroke Prediction Using Deep Convolutional Features and Ensemble Classifiers	Patel P.; Singh R.B.	Lecture Notes in Networks and Systems	1603 LNNS		2026	10.1007/978-3-032-03769-5_19
144	C-SOMGOAM: A Self-Organizing Migrating Grasshopper Mutation Algorithm for solving constrained optimization	Singh D.; Chand N.	Brazilian Journal of Biometrics	44	1	2026	10.28951/bjb.v44i1.925
145	Exploring Gelatin Film an Eco-Friendly Biomaterial: Synthesis, Characterization, and Environmental Applications	Nikita Bhardwaj, Vijaya Majumdar, Jaya Maitra	STM Journals	13	1	2026	
146	Exploring Communication Practices in Indian Knowledge System	Vineet Kumar	Journal of Arts and Communication (JAC)	4	1	2025	

147	GRATIFICATION OF DIGITAL HEALTH INFORMATION SEEKING BEHAVIOR: A COMPREHENSIVE ANALYSIS OF DEMOGRAPHICS, SOCIAL MEDIA TRENDS, AND TRUST IN REMEDIES	Vineet Kumar , Dr Abhishek Lachyan , Bandana Pandey , Vaishali Billa	World Journal of Pharmaceutical Science and Research	4	4	2025	10.5281/zenodo.17011143
148	Charge Prediction in Indian Judiciary Using Bhartiya Nyaya Sanhita (BNS) Sections and Machine Learning	Shweta Maurya , Shiraz Khurana	Date of Conference: 12-14 February 2026			2026	10.1109/IC3ECSBHI67834

