List of Journal Publications for 2025-2026

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of Public-ation	ISSN number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article/ paper /abstract of the article	Is it listed in UGC Care list/Scopus /Web of Science /other, mention
An Analytical Exploration of UNet and its Variants for Multiple Sclerosis Lesion Segmentation from Brain MRI	Shikha Jain, Navin Rajpal, Pramod Kumar Soni	USICT	International Journal of Computational Intelligence Systems	Jun-26	1875-6883	https://link.springer.com/journal/44196	https://link.springer.com/article/10.1007/s44196-026-01388-8	SCIE, SCOPUS
MS-DASPNet: Multiple Sclerosis lesion segmentation from brain MRI using dual attention and spatial pyramid pooling with transfer learning	Shikha Jain, Navin Rajpal, Pramod Kumar Soni	USICT	Frontiers in Computational Neuroscience	Jan-26	1662-5188	https://www.frontiersin.org/journals/computational-neuroscience	https://www.frontiersin.org/journals/computational-neuroscience/articles/10.3389/fncom.2025.1713766/full?utm_source=twitter&utm_medium=social&utm_content=&utm_campaign=imp_imparta ut-_05-24_fnins_en_n--ww	SCIE, SCOPUS

Classification of Multispectral Imagery using TL-ConvNeXt	Neeraj Kumar, Navin Rajpal, Pramod Kumar Soni	USICT	Procedia Computer Science	Jan-26	1877-0509	https://www.sciencedirect.com/journal/procedia-computer-science	https://www.sciencedirect.com/science/article/pii/S1877050926019174	Scopus
Fusion of non-iterative deep neural network feature extraction with kernel extreme learning machine for plant disease classification	Kirti Kirti, Navin Rajpal, Virendra P Vishwakarma, Pramod Kumar Soni	USICT	Discover Computing	Jul-25	2948-2992	https://link.springer.com/journal/10791	https://link.springer.com/article/10.1007/s10791-025-09679-y	SCIE, SCOPUS
CNN-Attention-LSTM with novel LSTM gate mechanism: evaluation on benchmark and brain tumor imaging datasets (2026)	Usha Rawat; C. S. Rai	USICT	Engineering Research Express	2026	2631-8695	https://iopscience.iop.org/journal/2631-8695	https://doi.org/10.1088/2631-8695/ae6758	Scopus; Web of Science – Emerging Sources Citation Index (ESCI)
Towards geometry-aware attention: key shift adjustment in vision transformers for image feature extraction	Usha Rawat; C. S. Rai	USICT	Signal, Image and Video Processing	2026	1863-1703 (Print); 1863-1711 (Online)	https://link.springer.com/journal/11760	https://doi.org/10.1007/s11760-026-05216-6	Web of Science – Science Citation Index Expanded (SCIE); Scopus

VoStack SDD: A Novel Ensemble Technique for Software Defect Density Prediction.	Jasmeet Kaur, Arvinder Kaur, Kamaldeep Kaur	USICT	Journal of Communications Software & Systems	2026	ISSN / eISSN: 1845-6421/1846-609	https://jcoms.fesb.unist.hr/	https://doi.org/10.24138/jcomss-2025-0006	ESCI, WoS, Scopus, UGC Care, SCImango, DOAJ etc.
BAHA optimization based feature selection approach for software defect density modeling using S and V transfer function	Jasmeet Kaur, Arvinder Kaur, Kamaldeep Kaur	USICT	Cluster Computing-The Journal of Networks, Software Tools and Applications	2026	ISSN / eISSN: 1386-7857/1573-7543	https://link.springer.com/journal/10586	https://doi.org/10.1007/s10586-026-06150-5	SCIE, WoS, Scopus, UGC Care, DBLP, EI Compendex, Google Scholar, and SCImago
Predictive Modeling of Software Defect Density Using BAHA-WOA–Based Feature Selection	Jasmeet Kaur, Arvinder Kaur, Kamaldeep Kaur	USIC&T	Journal of Software: Evolution and Process	2026	ISSN / eISSN: 2047-7473/2047-7481	https://onlinelibrary.wiley.com/journal/20477481	https://doi.org/10.1002/smr.70154	SCIE, WoS, Scopus, UGC Care, DBLP, EI Compendex, Google Scholar
Software Aging Defect Prediction Using Novel Oversampling Technique in Cloud Oriented Softwares	Hargunneet Kaur, Arvinder Kaur	USIC&T	International Journal of Reliability, Quality and Safety Engineering	2026	ISSN / eISSN: 0218-5393 / 1793-6446	https://www.worldscientific.com/worldscinet/ijrqse	https://doi.org/10.1142/S0218539325500494	ESCI, WoS, Scopus, UGC Care, DBLP, EI Compendex, Google Scholar, and SCImago
Smadasyn-boosted cross-project transfer	Rashmi Arora & Arvinder Kaur	USIC&T	Evolutionary Intelligence	2025	ISSN / eISSN: 1864-5909 / 1864-5917	https://link.springer.com/journal/12065	https://doi.org/10.1007/s12065-025-01060-8	ESCI, WoS, Scopus, UGC Care, etc.

learning for effective security fault prediction								
Automated Categorization of Bug Reports as Security Related or Non-security Related: A Machine Learning-based Solution	Rashmi Arora, Arvinder Kaur	USIC&T	Vietnam Journal of Computer Science	2026	ISSN / eISSN: 2196-8888 / 2196-8896	https://www.worldscientific.com/worldscinet/vjcs	https://doi.org/10.1142/S2196888825500022	ESCI, WoS, Scopus, UGC Care, Google Scholar, and SCImago etc.
A Novel Technique for Optimization of Artificial Neural Network Using Ensemble of Chimp, Harris Hawks and Manta Ray Foraging Optimization Algorithms for Enhancing Software Maintainability Prediction	Varun Goel, Arvinder Kaur	USIC&T	Arabian Journal for Science and Engineering	Mar-25	ISSN / eISSN: 2193-567X / 2191-4281	https://link.springer.com/journal/13369	https://doi.org/10.1007/s13369-025-10031-1	SCIE, WoS, Scopus, UGC Care, DBLP, EI Compendex, Google Scholar, INSPEC and SCImago etc.
Software Maintainability Datasets collection across Android	Varun Goel, Arvinder Kaur	USIC&T	Procedia Computer Science	May-25		https://www.sciencedirect.com/journal/procedia-	https://doi.org/10.1016/j.procs.2025.04.646	WoS, Scopus, UGC Care, Google Scholar

and Apache Kafka Versions						computer-science		
An effective imputation approach for handling missing data using intuitionistic fuzzy clustering algorithms	Kavita Sethia, Jaspreeti Singh, Anjana Gosain	USIC&T	Discover Computing, Vol. 28, Article 133	2025	2948-2984; e-ISSN: 2948-2992	https://link.springer.com/journal/10791	https://doi.org/10.1007/s10791-025-09639-6	Scopus
Kernelized Type 2 Intuitionistic Fuzzy C Means: a robust approach for brain MRI image segmentation	Kanika Bhalla, Sonika Dahiya, Anjana Gosain	USIC&T	Discover Computing, Vol. 28, Article 170	2025	2948-2984; e-ISSN: 2948-2992	https://link.springer.com/journal/10791	https://doi.org/10.1007/s10791-025-09697-w	Scopus
DBKIFCM–PSO: A Hybrid Approach for Optimized Clustering in Noisy and High-Dimensional Data	Kanika Bhalla, Anjana Gosain	USIC&T	Internet Technology Letters, Vol. 8, Issue 6, e70157	2025	e-ISSN: 2476-1508	https://onlinelibrary.wiley.com/journal/24761508	https://doi.org/10.1002/itl2.70157	Indexing status to be verified before final NAAC submission
Revolutionizing medical data quality with DKFCM-σ: density-	Jyoti Singh, Jaspreeti Singh, Anjana Gosain	USIC&T	Engineering Research Express, Vol. 7, Issue 4, 045268	2025	e-ISSN: 2631-8695	https://iopscience.iop.org/journal/2631-8695	https://doi.org/10.1088/2631-8695/ae1945	Scopus; Web of Science (ESCI)

oriented kernel-based fuzzy C-means sigma imputation approach								
Hybrid resampling for enhanced multiclass classification	Suyash Kumar, Ritika Kumari, Anjana Gosain	USIC&T	Discover Computing, Vol. 28, Article 306	2025	2948-2984; e-ISSN: 2948-2992	https://link.springer.com/journal/10791	https://doi.org/10.1007/s10791-025-09841-6	Scopus
Boosting inspired overlap reduction: A novel approach for reducing overlap in imbalanced classification problems	Pooja Tyagi; Jaspreti Singh; Anjana Gosain	USICT	Journal of Information and Optimization Sciences	2026	0252-2667 (Print); 2169-0103 (Online)	https://tarupublications.com/journals/jios	https://doi.org/10.47974/JIOS-2141	Web of Science Core Collection – ESCI
CLUB (CLUster Bagging): A New Perspective to Address Class Imbalance Problem	Suyash Kumar; Anjana Gosain	USICT	Advances in Data Science and Adaptive Analysis	2026	2424-922X (Print); 2424-9238 (Online)	https://www.worldscientific.com/worldscinet/adsaa	https://doi.org/10.1142/S2424922X26500087	Scopus; Web of Science Core Collection – ESCI
Comparative analysis of various fuzzy clustering algorithms for linearly and non-linearly separable data	Kavita Sethia; Anjana Gosain; Jaspreti Singh	USICT	Innovations in Systems and Software Engineering	2025	1614-5046 (Print); 1614-5054 (Online)	https://link.springer.com/journal/11334	https://doi.org/10.1007/s11334-024-00593-y	Scopus; Web of Science Core Collection – ESCI

DOFCM-SMOTE: A technique to handle class imbalance problem	Shweta Sharma; Anjana Gosain	USICT	Journal of Information and Optimization Sciences	2025	0252-2667 (Print); 2169-0103 (Online)	https://tarupublications.com/journals/jios	https://doi.org/10.47974/JIOS-1946	Web of Science Core Collection – ESCI
Addressing class imbalance in remote sensing using deep learning approaches: a systematic literature review	Shweta Sharma; Anjana Gosain	USICT	Evolutionary Intelligence	2025	1864-5909 (Print); 1864-5917 (Online)	https://link.springer.com/journal/12065	https://doi.org/10.1007/s12065-024-01012-8	Scopus; Web of Science Core Collection – ESCI
DOFCM-PSO : A novel hybridized fuzzy clustering technique for segmentation of noisy mammogram images	Kanika Bhalla; Anjana Gosain	USICT	Journal of Information and Optimization Sciences	2025	0252-2667 (Print); 2169-0103 (Online)	https://tarupublications.com/journals/jios	https://doi.org/10.47974/JIOS-1922	Web of Science Core Collection – ESCI
Multi-class oversampling approach using deep generative adversarial network (MO-DGAN) for remote sensing imagery	Shweta Sharma, Anjana Gosain	USIC&T	International Journal of Data Science and Analytics, Vol. 21, Issue 1, Article 61	2026	ISSN: 2364-415X; e-ISSN: 2364-4168	https://link.springer.com/journal/41060	https://doi.org/10.1007/s41060-025-00958-x	Scopus

Enhancing medical data completeness using an iterative KNN based-Kernelized fuzzy c-means imputation method	Jyoti Singh, Jaspreeti Singh, Anjana Gosain	USIC&T	Discover Computing, Vol. 29, Article 9	2026	2948-2984; e-ISSN: 2948-2992	https://link.springer.com/journal/10791	https://doi.org/10.1007/s10791-025-09889-4	Scopus
A clustering based resampling framework for Breast Cancer prediction	Suyash Kumar, Anjana Gosain	USIC&T	Engineering Research Express, Vol. 8, 025218	2026	ISSN: 2631-8695	https://iopscience.iop.org/journal/2631-8695	https://doi.org/10.1088/2631-8695/ae3430	Scopus; Web of Science
A hybrid framework for cervical cancer detection using mutual natural neighbor cleaning to address class imbalance and overlap	Pooja Tyagi, Jaspreeti Singh, Anjana Gosain	USIC&T	Discover Computing, Vol. 29, Article 99	2026	2948-2984; e-ISSN: 2948-2992	https://link.springer.com/journal/10791	https://doi.org/10.1007/s10791-026-09950-w	Scopus
Stack generalization-based hybrid ensemble classifier for imbalanced data	Suyash Kumar, Prabhjot Kaur, Anjana Gosain	USIC&T	Knowledge and Information Systems, Vol. 68, Article 120	2026	ISSN: 0219-1377; e-ISSN: 0219-3116	https://link.springer.com/journal/10115	https://doi.org/10.1007/s10115-026-02752-y	Scopus

Feature extraction in sensor plant disease datasets using reformed membership functions independent of class variables	Gupta, A., Chug, A. & Singh, A.P.	USICT	Scientific Reports	2026	2045-2322	https://www.nature.com/srep/	https://doi.org/10.1038/s41598-025-33569-4	SCIE
Real-world application of non-clinical smile photographs for forensic human identification – a systematic review of case reports	Augustine, J., Basu, S.N., Singh, K, Amit Prakash Singh, Ruchi Sehrawat and Mahesh Verma	USICT	Forensic Science, Medicine and Pathology	2026	1556-2891	https://link.springer.com/journal/12024	https://doi.org/10.1007/s12024-026-01211-y	SCIE
A novel activation function for image classification	Kalim H, Chug A, Prakash Singh A	USICT	Intelligent Data Analysis: An International Journal	2026	1571-4128	https://journals.sagepub.com/home/IDA	10.1177/1088467X251337929	SCIE
Review of Deep learning Revolution on Neuro-Fuzzy Systems	Riya Rawal, Anuradha Chugad Amit Prakash Singh	USICT	Advances in Data Science & Adaptive Analysis	2025	2424-9238	https://www.worldscientific.com/worldscinet/adsaa	https://doi.org/10.1142/S2424922X25300015	ESCI
CMOS Based Active Inductors : A Review	Kadyan, I., Kumar, M. & Singh, A.P	USICT	Circuits Syst Signal Process	2025	1531-5878	https://link.springer.com/journal/34	https://doi.org/10.1007/s00034-025-03234-2	SCIE

Legume leaf disease classification via attention-enhanced Swin transformer with feature pyramid fusion (AE-SwinFPF)	Vimal S, Anuradha C, Amit Prakash Singh	USICT	Plant Science Today	2025	2348-1900	https://horizonepublishing.com/journals/index.php/PST/index	https://doi.org/10.14719/pst.10613	ESCI
Optimizing resin shrinkage in additive manufacturing through supervised pathways: Leveraging machine learning in dentistry	Anmol Sharma, Pushpendra S. Bharti	USICT	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2026	0954-4062	https://journals.sagepub.com/home/PIC	https://journals.sagepub.com/doi/abs/10.1177/09544062251415251	Scopus/Web of Sciences/SCIE
A Multifaceted Machine Learning Application in Biomedical Device Fabrication: Synergy of 3D Scanning and 3D Printing	Anmol Sharma, Pushpendra S. Bharti	USICT	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	2026	2731-4812	https://link.springer.com/journal/44174	https://link.springer.com/article/10.1007/s44174-026-00703-3	Scopus

Enhanced COVID-19 Classification Using SMOTE-KELM: A Comprehensive Review and Proposed Framework	Nikhat Ali, Virendra P Vishwakarma	USICT	The European Journal on Artificial Intelligence	2026	3050-4546	https://journals.sagepub.com/home/EAI?_gl=1*k56vqk*_up*MQ..*_ga*MTQzNjE4NzU3NS4xNzg3NTU0MzEw*_ga_60R758KFDG*czE3ODc1NTQzMTAkbzEkZzEkdDE3ODc1NTQzMTIkajU4JGwxJGgxNjk4MjkwMDc.	https://journals.sagepub.com/doi/abs/10.1177/30504554261436930	Scopus
A Survey: Digital Image Watermarking-robustness and Imperceptibility	Himanshi Chaudhary and Virendra P. Vishwakarma	USICT	Recent Advances in Electrical & Electronic Engineering	2025	2352-0965	https://www.benthamdirect.com/content/journals/raeeng	https://doi.org/10.2174/0123520965317013240828054013	Scopus,Web of science
TwinNet: Spatial Feature Deep Learning Enhanced Dual Network	Manu Shree a , Bharti Rana a , Anisha Premi a , Amar Kumar Mohapatra a, Virendra P. Vishwakarma b, Hemmaphan Suwanwiwat c	USICT	Procedia Computer Science	2025	1877-0509	https://www.sciencedirect.com/journal/procedia-computer-science	https://doi.org/10.1016/j.procs.2025.04.120	Scopus,Web of science

Fusion of non-iterative deep neural network feature extraction with kernel extreme learning machine for plant disease classification	Kirti Kirti, Navin Rajpal, Virendra P Vishwakarma, Pramod Kumar Soni	USICT	Discover Computing	2025		https://link.springer.com/article/10.1007/s10791-025-09679-y	https://doi.org/10.1007/s10791-025-09679-y	SCIE,Scopus,Web of science
Enhanced medical image watermarking using hybrid DWT-HMD-SVD and Arnold scrambling	Himanshi Chaudhary, Preeti Garg, Virendra P Vishwakarma	USICT	Scientific Reports	2025	2045-2322	https://www.nature.com/srep/	https://doi.org/10.1038/s41598-025-94080-4	SCIE,Scopus,Web of science
MKD-Net: A novel neuro evolutionary approach for blockchain-based secure medical image classification using multi-kernel DLM	V. P. Vishwakarma and A. K. Yadav	USICT	IEEEAccess	2025	2169-3536	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6287639	10.1109/ACCESS.2025.3541096	Scopus,Web of science
An optimized Hybrid Web-Based System for Sentiment Analysis	Puneet Sharma, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Information and Optimization Sciences	Jul-25	2169-0103	https://www.tarupublications.com/journal/JIOS	https://doi.org/10.47974/JIOS-1965	WoS (ESCI)

Using Machine Learning								
A Comparative Analysis of Conventional Deep Learning Models with Hybrid CNN-ResNet Model for Sentiment Classification	Puneet Sharma, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Discrete Mathematical Sciences & Cryptography	Sep-25	2169-0065	https://taruppublications.com/journal/JDMSC	https://doi.org/10.47974/JDMSC-2463	WoS (ESCI), Scopus
Sentiment analysis on social-media textual data using hybrid transformer and sequence models	Harihar Nath Verma, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Discrete Mathematical Sciences & Cryptography	Jan-26	2169-0065	https://taruppublications.com/journal/JDMSC	https://doi.org/10.47974/JDMSC-2633	WoS (ESCI), Scopus
Emotions analysis from text using CNN, BiLSTM and hybrid models	Harihar Nath Verma, Sanjay Kumar Malik, Vanita Jain	USICT	Journal of Discrete Mathematical Sciences & Cryptography	Jun-26	2169-0065	https://taruppublications.com/journal/JDMSC	https://doi.org/10.47974/JDMSC-2821	WoS (SCIE), Scopus
Analytical Modeling and Extraction of Small Signal Model Paramete	Nitish Uppal, Amit Saxena, Vandana Nath, Radhey Shyam Gupta	USICT	International Journal of Numerical Modelling: Electronic	2026	1099-1204	https://onlinelibrary.wiley.com/journal/10991204	https://doi.org/10.1002/jnm.70172	Web of science

rs of Cylindrical Gate Stack (HfO2) Silicon-On-Insulator Schottky Barrier MOSFET for High Frequency Circuits			Networks, Devices and Fields					
Data-driven small-signal modeling of AlGaN/InGaN/GaN high electron mobility transistor using multi-layered ensemble learning.	Ahmad, N., Rewari, S. & Nath, V.	USICT	Journal of the Korean Physical Society	2025	1976-8524	https://link.springer.com/journal/40042	https://doi.org/10.1007/s40042-025-01416-4	Web of science
Gain enhancement of antenna using tuned complementary FSS for wireless communication.	Anand, Y., & Nath, V.	USICT	International Journal of Electronics	2025	1362-3060	https://www.tandfonline.com/journals/tetn20	https://doi.org/10.1080/00207217.2024.2354069	Web of science
Investigation of temperature-dependent performance degradation in AlGaN/InGaN/GaN HEMTs: Implicati	Neda Ahmad, Sonam Rewari, Vandana Nath	USICT	AIP Advances	2025	2158-3226	https://pubs.aip.org/aip/adv	https://doi.org/10.1063/5.0271310	Web of science

ons for device reliability and efficiency								
Leveraging Segmentation for Potato Plant Disease Severity Estimation and Classification via CBAM-EfficientNetB0 Transfer Learning	Singh, A. P., Kaul, K., Chug, A., Kumar, R., & Shanmugam, V	USICT	Journal of Artificial Intelligence (2579-0021), 7(1), 451. Indexing: Scopus, ESCI	2025	ISSN (Online): 2810-3160	https://link.springer.com/journal/40003	https://link.springer.com/article/10.1007/s40003-023-00691-6	WoS(ESCI)
An inclusive survey on automation of refactoring: challenges and opportunities.	Rajput, D., & Chug, A.	USICT	Journal: International Journal of System Assurance Engineering and Management Volume: 16 Issue: 12 Pages: 4106–4130 Publication Year: 2025	2025	Print ISSN: 0975-6809 Online ISSN: 0976-4348	https://link.springer.com/journal/13198	https://link.springer.com/article/10.1007/s13198-023-02247-x	WoS (SCIE)
Review of Deep Learning Revolution on Neuro-Fuzzy Systems. Advances in Data Science & Adaptive Analysis	Rawal, R., Chug, A., & Singh, A. P.	USICT	Journal: Advances in Data Science & Adaptive Analysis Volume: 17 Issue: 3 Pages: 301-3041 Year: 2025	2025	Print ISSN: 2424-922X Online ISSN: 2424-9238	https://link.springer.com/journal/12065	https://link.springer.com/article/10.1007/s12065-024-00908-9	WoS (ESCI)

Performance evaluation of a custom convolutional neural network for diagnosing mite infestation and diseases in tomato (Solanum Lycopersicon L.).	Gulati, A., Singh, A. P., Chug, A., & Ahlawat, K.	USICT	Journal of Horticultural Sciences Volume: 20 Issue: 2 Year: 2025 DOI: 10.24154/jhs.v20i2.3321	2025	Print ISSN: 0973-354X Online ISSN: 2582-4899	https://www.iospress.com/catalog/journals/intelligent-data-analysis	https://content.iospress.com/articles/intelligent-data-analysis/ida230651	WoS (ESIC)
Legume leaf disease classification via attention-enhanced Swin transformer with feature pyramid fusion (AESwin FPF),	Singh, V., Chug, A., & Singh, A. P.	USICT	Plant Science Today Volume: 12 Issue: Special Issue 1 (2025) – Recent Advances in Agriculture by Young Minds II Year: 2025 DOI: 10.14719/pst.2025.12.sp1	2025	ISSN number 1573: 7721	https://horizonepublishing.com/journals/index.php/PST/article/view/10613	https://horizonepublishing.com/journals/index.php/PST/article/view/10613?utm_source=chatgpt.com	Scopus, SCIE
Hyperparameter tuning of CNN based potato plant disease detection model integrated with GridSearchCV	Kajal Kaul, Anuradha Chug, Amit Prakash Singh, Ravinder Kumar, V Shanmugam	USICT	Journal Of Information and Optimization Sciences Volume 46 Issue 1 Pages 1-14	2025	ISSN 0252-2667 (Print), ISSN 2169-0103 (Online)	DOI : 10.47974/JIOS-1846	https://tarupublications.com/doi/10.47974/JIOS-1846	WoS (ESIC)

Predictive Modeling of Software Defect Density Using BAHA-WOA–Based Feature Selection	Jasmeet Kaur, Arvinder Kaur, Kamaldeep Kaur	USICT	Journal of Software: Evolution and Process	2026	2047-7481	https://onlinelibrary.wiley.com/journal/20477481	https://onlinelibrary.wiley.com/doi/abs/10.1002/smr.70154	Web of Science SCIE
BAHA optimization based feature selection approach for software defect density modeling using S and V transfer function.	Jasmeet Kaur, Arvinder Kaur, Kamaldeep Kaur	USICT	Cluster Computing	2026	1573-7543	https://link.springer.com/journal/10586	https://link.springer.com/article/10.1007/s10586-026-06150-5	Web of Science SCIE
Deep Learning-Driven Network Traffic Prediction and Anomaly Detection in High-Speed Communication Systems	DPP MULAY, REENA GUPTA	USICT	TELEMATIQUE	2026	1856-4194	https://www.provinciajournal.com/index.php/telematique	https://www.provinciajournal.com/index.php/telematique/article/view/2422	WoS
Design of extremely low power, high compliance and low noise current mirror	Pritty , Mansi jhamb	USICT	Computer and Electrical Engineering	2025	1879-0755	https://www.sciencedirect.com/journal/computers-and-electrical-engineering	https://doi.org/10.1016/j.compeleceng.2024.110015	yes

A novel ultra-low power post quantum approach using artificial intelligence based key generation for cyber physical system in Internet of things	Ankita sarkar , Mansi jhamb	USICT	sustainable Computing: Informatics and Systems	2025	2210-5387	https://www.sciencedirect.com/journal/sustainable-computing-informatics-and-systems	https://doi.org/10.1016/j.suscom.2025.101242	yes
Next-Gen fortified health monitoring for cyber physical systems in internet of things using logistic maps based encryption	Ankita Sarkar ; Mansi Jhamb	USIC&T, GGSIPU	Engineering Research Express	2025	2631-8695	Journal website	10.1088/2631-8695/ad988c	Scopus; Web of Science (ESCI)
Low power post quantum cryptography on reconfigurable devices for cyber physical system in IoT	Ankita sarkar , Mansi jhamb	USICT	Integration	2026	1872-7522	https://doi.org/10.1016/j.vlsi.2025.102636	https://www.sciencedirect.com/journal/integration	yes

Gate all around carbon nanotube field effect transistor espoused discrepancy cascode pass transistor adiabatic logic for ultra-low power application	B.Jyothi ,B.V. Ramana Reddy, Mansi Jhamb	USICT	Integration	2025	1872-7522	https://doi.org/10.1016/j.vlsi.2024.102260	https://www.sciencedirect.com/journal/integration	yes
Artificial intelligence based lagrange interpolation patterned post quantum cryptography for secure cyber physical system in internet of things	Ankita Sarkar ; Mansi Jhamb	USIC&T, GGSIPU	International Journal of Information Technology	2025	2511-2104 (print); 2511-2112 (online)	Journal website	10.1007/s41870-025-02524-x	Scopus
A highly efficient adaptive body bias CMOS rectifier with double-side feedback at a tone of 2.4 GHz	Sanjay Kumar ; Mansi Jhamb	USIC&T, GGSIPU	International Journal of Electronics	2025	0020-7217	Journal website	10.1080/00207217.2024.2417315	Scopus; Web of Science (SCIE)

An Empirical Analysis of Lightweight Cryptographic Algorithms on Resource-Constrained FPGA Based IoT Devices	Ankita sarkar , Mansi jhamb	USICT	JAPED	2026	1555-0281	https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/	https://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-20-number-3-2026/japed-20-3-p-203-219/	yes
A Hybrid Framework for Cervical Cancer Detection Using Mutual Natural Neighbor Cleaning to Address Class Imbalance and Overlap	Pooja Tyagi, Jaspreeti Singh, and Anjana Gosain	USICT	Discover Computing	2026	2948-2992	https://link.springer.com/journal/10791	https://doi.org/10.1007/s10791-026-09950-w	WoS
Boosting inspired Overlap Reduction: A Novel Approach for Reducing Overlap in Imbalanced Classification Problems	Pooja Tyagi, Jaspreeti Singh, and Anjana Gosain	USICT	Journal of Information and Optimization Sciences (JIOS)	2026	2169-0103	https://tarupublications.com/journals/jios	https://doi.org/10.47974/JIOS-2141	WoS

Enhancing Medical Data Imputation with iKNN-KFCM: Iterative K-Nearest Neighbor based-Kernelized Fuzzy c-means Hybrid Imputation Method	Jyoti Singh, Jaspreeti Singh, Anjana Gosain	USICT	Discover Computing	2026	2948-2992	https://link.springer.com/journal/10791	https://doi.org/10.1007/s10791-025-09889-4	WoS
Revolutionizing Medical Data Quality with DKFCM-: Density-Oriented Kernelized Fuzzy C-means Sigma Imputation Approach	Jyoti Singh, Jaspreeti Singh, Anjana Gosain	USICT	Engineering Research Express	2026	2631-8695	https://iopscience.iop.org/journal/2631-8695	10.1088/2631-8695/ae1945	WoS
Comparative analysis of various fuzzy clustering algorithms for linearly and non-linearly separable data	Kavita Sethia, Jaspreeti Singh, Anjana Gosain	USICT	Innovations in Systems and Software Engineering	2025	1614-5054	https://link.springer.com/journal/11334	https://doi.org/10.1007/s11334-024-00593-y	WoS

An effective imputation approach for handling missing data using intuitionistic fuzzy clustering algorithms	Kavita Sethia, Jaspreeti Singh, Anjana Gosain	USICT	Discover Computing	2025	2948-2992	https://link.springer.com/journal/10791	https://doi.org/10.1007/s10791-025-09639-6	WoS
., "Real-world application of non-clinical smile photographs for forensic human identification – a systematic review of case reports." Forensic Sci Med Pathol (2026).	J. Augustine, S.N. Basu, K. Singh, N. Singh, R. Sehrawat, et. al	USICT	Forensic Sci Med Pathol (2026)	2026	https://doi.org/10.1007/s12024-026-01211-y			WoS
J. Augustine, S. N. Basu, A. K. Saini, A. P. Singh, R. Sehrawat, and M. Verma, "Smile photography as a forensic dental identifier: A systematic review	J. Augustine, S. N. Basu, A. K. Saini, A. P. Singh, R. Sehrawat, and M. Verma,	USICT	Indian Journal of Dental Research	2025	https://doi.org/10.1007/s12024-026-01211-y			WoS

“IntHDCNN: IoT-driven remote cardiac health monitoring with interactive hunt-based deep convolutional neural network,” Biomedical Signal Processing and Control, Vol 112, Part A, Feb 2026.	P. Dhaka and R. Sehrawat	USICT	Biomedical Signal Processing and Control	2025	https://doi.org/10.1016/j.bspc.2025.108467			WoS
, “Hybrid Image Encryption Using Chaotic Neural Networks and Camellia with Steganographic Techniques Accepted at Optical Memory and Neural Network, Springer Nature, 11/12/2025	A. Saini and R. Sehrawat	USICT	Optical Memory and Neural Network, Springer Nature	accepted, 2026				WoS
“A Multi-Layered Image Encryption Framework Using	A. Saini and R. Sehrawat	USICT	Journal of Information and Optimization Sciences	2026	DOI: https://www.taruppublications.com/doi/10.47974/JIOS-2160			WoS

Henon Chaos and Reframed RSA". Journal of Information and Optimization Sciences, 01/12/2025. Taru Publications, pp. 1-22, July. 2026.								
Design and development of feedback control system for modern manufacturing processes	Pankaj Kumar Singh; Manoj K. Satyarthi; Manish Singh; Ravi Prakash Singh	USICT	Metallurgical Research & Technology	2026	2271-3646 (Print); 2271-3654 (Electronic)	https://www.metallurgical-research.org/	https://doi.org/10.1051/metal/2026048	Scopus; Web of Science (SCIE)
Hybrid Quantitative Analysis and Multi-Objective Optimization of PETG FFF Parameters on Mechanical Properties and Process Efficiency Using Linear Regression, Grey Entropy, and Desirability	Gayatri; Sourabh Anand; Manoj Kumar Satyarthi	USICT	Journal of Materials Engineering and Performance	2026	1059-9495 (Print); 1544-1024 (Electronic)	https://link.springer.com/journal/11665	https://doi.org/10.1007/s11665-026-14502-w	Scopus; Web of Science (SCIE)

Functions								
Hybrid ANN-GTO-Based Optimization of Tensile Strength in Layer-by-Layer ABS–PETG Multi-material FDM Composites	Gayatri; Manoj Kumar Satyarthi	USICT	Journal of Materials Engineering and Performance	2026	1059-9495 (Print); 1544-1024 (Electronic)	https://link.springer.com/journal/11665	https://doi.org/10.1007/s11665-025-12786-y	Scopus; Web of Science (SCIE)
SurfaceVision: An Automated Module for Surface Fault Detection in 3D Printed Products	Laukesh Kumar; Manoj Kumar Satyarthi	USICT	Tehnički glasnik – Technical Journal	2025	1846-6168 (Print); 1848-5588 (Online)	https://hrcak.srce.hr/en/tehnickiglasnik	https://doi.org/10.31803/tg-20240925082150	Scopus; Web of Science (ESCI)
Performance Enhancement of OFDM based Hybrid Multiplexed Ro-FSO System under Complex Rain	Shivaji Sinha, Chakresh Kumar, Ghanendra Kumar, Mehtab Singh	USICT	International Journal of Optics	2025	1687-9392	https://onlinelibrary.wiley.com/journal/3839?utm_source=chatgpt.com	https://onlinelibrary.wiley.com/doi/full/10.1155/ijo/3110227?utm_source=chatgpt.com	Scopus; Web of Science (SCIE)

Conditions								
Impact analysis of adverse climate on long-haul 1280 Gb/s, hybrid multiplexed FST optical link	Shivaji Sinha, Kamal Kishore Upadhyay, Chakresh Kumar, Ghanendra Kumar	USICT	Optoelectronics and Advanced Materials – Rapid Communications	2025	2065-3824	https://oam-rc.inoe.ro/?utm_source=chatgpt.com	https://oam-rc.inoe.ro/articles/impact-analysis-of-adverse-climate-on-long-haul-1280-gbs-hybrid-multiplexed-fst-optical-link/fulltext?utm_source=chatgpt.com	Scopus; Web of Science (SCIE)
Performance Analysis of Hybrid Mixed Line Rate Nyquist Super Channel Transmission of Unicast and Multicast Overlay System	Deepak Sahu, Chakresh Kumar	USICT	Journal of Scientific & Industrial Research	2025	0975-1084	https://nopr.niscpr.res.in/handle/123456789/46?author_page=1&utm_source=chatgpt.com	https://or.niscpr.res.in/index.php/JSIR/article/view/15048?utm_source=chatgpt.com	Scopus; Web of Science (SCIE)
Analyse the mitigation Effect of FWM for SD-WDM System	Ghanendra Kumar, Chakresh Kumar, Deepak Sahu, Parashuram	USICT	Journal of Optical Communications	2025	2191-6322	https://www.degruyterbrill.com/journal/key/joc/html?utm_source=chatgpt.com	https://www.degruyterbrill.com/_language/de?uri=%2Fde%2Fdocument%2Fdoi%2F10.1515%2	Scopus

							Fjoc-2025-0061%2Fhtml&utm_source=chatgpt.com	
Design and Performance Evaluation of a 64 × 800 Gbps DWDM Free-Space Optical System with Power Optimization and Signal Integrity Enhancements	Anuj Kumar, Ghanendra Kumar, Chakresh Kumar	USICT	Journal of Optical Communications	2025	2191-6322	https://www.degruyterbrill.com/journal/key/joc/html?utm_source=chatgpt.com	https://www.degruyterbrill.com/document/doi/10.1515/joc-2025-0150/html?utm_source=chatgpt.com	Scopus
Performance Analysis of Hybrid Optical Amplifiers for Nyquist Super channel based dense multiplexed system in presence of variation in channel spacing	Deepak Sahu, Chakresh Kumar	USICT	Journal of Optics	2025	0974-6900	https://publishingsupport.iopscience.iop.org/journals/journal-of-optics/about-journal-of-optics/?utm_source=chatgpt.com	https://doi.org/10.1007/s12596-025-02798-1?utm_source=chatgpt.com	Scopus; Web of Science (ESCI)

Performance Evaluation of inline Hybrid Optical Amplifier for long haul Super Dense Optical Communication System	Ghanendra Kumar, Chakresh Kumar, Deepak Sahu, Parashuram	USICT	Journal of Optics	2025	0974-6900	https://publishingsupport.iopscience.iop.org/journals/journal-of-optics/about-journal-of-optics/?utm_source=chatgpt.com	https://doi.org/10.1007/s12596-025-02809-1?utm_source=chatgpt.com	Scopus; Web of Science (ESCI)
Exploring the performance of three stage SPM-based regenerative wavelength conversion using HNLF	Parashuram, Chakresh Kumar, Ghanendra Kumar	USICT	Indian Journal of Engineering & Materials Sciences	2025	0975-1017	https://or.niscpr.res.in/index.php/IJEMS/about?utm_source=chatgpt.com	https://scm.niscair.res.in/index.php/IJEMS/article/view/13424?utm_source=chatgpt.com	Scopus, SCI
Numerically modelled evaluation of all optical RZ OOK conversion to higher order M–QAM format conversion using photic fiber nonlinearity	Deepak Sahu, Chakresh Kumar	USICT	Indian Journal of Pure & Applied Physics	2025	0975-1041	https://or.niscpr.res.in/index.php/IJPAP/article/view/19736?utm_source=chatgpt.com	https://or.niscpr.res.in/index.php/IJPAP/article/view/19736?utm_source=chatgpt.com	Scopus, SCIE
Investigation of a highly suitable optical amplifier (EDFA/RAMAN) for a 10 × 10	Neha, Chakresh Kumar	USICT	Journal of Optical Communications	2025	2191-6322	https://www.degruyterbrill.com/journal/key/joc/html?utm_source=chatgpt.com	https://doi.org/10.1515/joc-2025-0238?utm_source=chatgpt.com	Scopus

Gbps WDM system using different optical signal power levels								
Design and Performance Evaluation of a 64 × 800 Gbps DWDM Free-Space Optical System with Power Optimization and Signal Integrity Enhancements	Anuj Kumar, Ghanendra Kumar, Chakresh Kumar	USICT	Journal of Optical Communications	2025	2191-6323	https://www.degruyterbrill.com/journal/key/joc/html?utm_source=chatgpt.com	https://www.degruyterbrill.com/document/doi/10.1515/joc-2025-0150/html?utm_source=chatgpt.com	Scopus
Design and Performance Assessment of a 6.4 Tbps Long-Haul Flex-Grid DWDM System with Coherent Modulation and Digital Dispersion Compensation	Anuj Kumar, Ghanendra Kumar, Chakresh Kumar	USICT	Journal of Optical Communications	2025	2191-6324	https://www.degruyterbrill.com/journal/key/joc/html?utm_source=chatgpt.com	https://www.researchgate.net/publication/394090609_Design_and_performance_assessment_of_a_64_Tbps_long-haul_flex-grid_DWDM_system_with_coherent_modulation_and_digital_dispersion_compensation?utm_source=chatgpt.com	Scopus

Assessment of the Efficacy of 20 × 100 Gb/s High-Speed Long-Distance DWDM Systems Utilizing 16 QAM Modulation Techniques and Hybrid Optical Amplifiers	Anuj Kumar, Ghanendra Kumar, Chakresh Kumar	USICT	Journal of Theoretical and Applied Physics	2025	2251-7235	https://link.springer.com/journal/40094?utm_source=chatgpt.com	https://oiccpress.com/jtap/article/view/17680?utm_source=chatgpt.com	Scopus
Design and Analysis of a highly effective system to mitigate the effect of dominating signals using Duobinary modulation technique with suitable low dispersion compensation techniques	Neha, Chakresh Kumar	USICT	Journal of King Saud University – Engineering Science	2025	1018-3639	https://www.sciencedirect.com/journal/journal-of-king-saud-university-engineering-sciences	https://doi.org/10.1007/s44444-025-00048-0	Scopus, SCIE (Web of Science), DOAJ
Experimental and theoretical evaluation comparison of various 4-D modulati	Deepak Sahu, Chakresh Kumar	USICT	National Academy Science Letters	2025	2250-1746	https://link.springer.com/journal/40009	https://www.researchgate.net/publication/396943398_Experimental_and_Theoretical_Comparison	Scopus, SCIE (Web of Science)

on transmissions using dual polarization and Nyquist pulse shaping							_of_Various_4-D_Modulation_Schemes_Using_Dual_Polarization_and_Nyquist_Pulse_Shaping	
Plasmonic Metasurface-Integrated Graphene/InGaAs Heterostructures for High-Efficiency Broadband Photodetection	Anuj Kumar, Ghanendra Kumar, Chakresh Kumar	USICT	Applied Physics A	2025	1432-0630	https://link.springer.com/journal/339	https://www.researchgate.net/publication/398452419_Plasmonic_metasurface-integrated_grapheneInGaAs_heterostructures_for_high-efficiency_broadband_photodetection	Scopus, SCIE (Web of Science)
Design and Performance Evaluation of a Ge1−xSnx / Ge Multiple Quantum Well Heterojunction Phototransistor for Long-Haul DWDM Optical Communication Systems	Anuj Kumar, Ghanendra Kumar, Chakresh Kumar	USICT	Journal of Electronic Materials	2025	1543-186X	https://link.springer.com/journal/11664	https://www.springerprofessional.de/en/design-and-performance-evaluation-of-a-ge-%E2%82%93sn%E2%82%93-ge-multiple-quant/51955476	Scopus, SCIE (Web of Science)

Performance comparison of traditional and Nyquist shaped signals incorporating modulation format based optical channel aggregation for enhanced spectral efficient transmission	Deepak Sahu, Chakresh Kumar, Ghanendra Kumar	USICT	Multiscale and Multidisciplinary Modeling, Experiments and Design	2026	2520-8179	https://link.springer.com/journal/41939	https://www.researchgate.net/publication/400722350_Performance_comparison_of_traditional_and_Nyquist_shaped_signals_incorporating_modulation_format_based_optical_channel_aggregation_for_enhanced_spectral_efficient_transmission	Scopus, ESCI (Web of Science)
A Graphene Oxide-Enhanced Five-Layer Plasmonic Biosensor: Design and Theoretical Analysis for Ultrasensitive Molecular Detection	Deepak Sahu, Chakresh Kumar, Ghanendra Kumar	USICT	Cell Biochemistry and Biophysics	2026	1572-817X	https://link.springer.com/journal/11082	https://www.researchgate.net/publication/398452419_Plasmonic_metasurface-integrated_grapheneInGaAs_heterostructures_for_high-efficiency_broadband_photodetection	Scopus, SCIE (Web of Science)

High Performance Ge1-xSnx/Ge Heterojunction Bipolar Phototransistor on Si Substrate Used in Dense Hybrid Passive Optical Network (PON) System to Enhance Its Capability	Neha, Chakresh Kumar, Ghanendra Kumar	USICT	Silicon	2026	1876-9918	https://link.springer.com/journal/12633	https://www.researchgate.net/publication/384753178_Research_progress_of_GeSn_photodetectors_for_infrared_application	Scopus, SCIE (Web of Science)
Effect of different noises on 400 × 100 Gb/s ultradense WDM system based on an advanced modulation technique for various channel spacings	Rajeev, Parashuram, Chakresh Kumar, Ghanendra Kumar	USICT	Journal of Optical Communications	2026	2191-6322	https://www.degruyter.com/journal/key/joc/html	https://www.researchgate.net/profile/Chakresh-Kumar-2	Scopus
Enhancing the Capability of A Hybrid TWDM/PON Using Waveguide-Integrated Si/2D Material-Based Photodetector with the Most	Neha, Chakresh Kumar, Ghanendra Kumar	USICT	Polytechnic Journal	2026	2707-7799	https://journals.epu.edu.iq/index.php/polytechnic	https://www.researchgate.net/scientific-contributions/Chakresh-Kumar-2130638648	DOAJ, Google Scholar

Suitable Metal-2D Material-Metal (M-2DM-M) Configuration								
Graphene-Black Phosphorus (G-BP) heterostructure on a silicon platform with enhanced absorption and responsivity over telecom operating wavelength	Neha, Chakresh Kumar, Ghanendra Kumar	USICT	Optoelectronics and Advanced Materials – Rapid Communications	2026	2065-3824	https://oam-rc.inoe.ro/	https://oam-rc.inoe.ro/articles/graphene-black-phosphorus-g-bp-heterostructure-on-a-silicon-platform-with-enhanced-absorption-and-responsivity-over-telecom-operating-wavelength/	Scopus, SCIE (Web of Science)
Theoretical and Experimental Analysis of 4-QAM System Utilizing Nyquist-Modeled Optical Sampling Technique in Restricted Receiver Capacity Signal Detection	Deepak Sahu, Chakresh Kumar, Ghanendra Kumar	USICT	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	2026	2250-1762	https://link.springer.com/journal/40010	https://www.researchgate.net/profile/Ghanendra-Kumar-2	Scopus, SCIE (Web of Science)

Performance evaluation of all-photonic format conversion of RZ on–off keying system to higher-mary modulation format using nonlinear optical loop mirrors	Deepak Sahu, Chakresh Kumar, Ghanendra Kumar	USICT	International Journal of Advances in Engineering Sciences and Applied Mathematics	2026	2191-6322	https://www.degruyter.com/journal/key/joc/html	https://www.researchgate.net/profile/Ghanendra-Kumar-2	Scopus
Ultrawideband Flexible Fractal MIMO Antenna with DGS for High-Isolation 5G/6G Wireless Platforms and IoT Applications, June 2026	Priyanka Choudhary, Deepika Sipal, Sudeep Baudha	USICT	Journal of Electromagnetic Engineering and Science	Jun-26		https://www.jees.kr		YES- SCIE

List of Conference Publications for 2025-2026

Sl. No.	Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference	Year of publication	ISBN/ISSN number of the proceeding	Whether at the time of publication affiliating institutions was same	Name of the publisher

							(Yes/ No)	
1	Navin Rajpal	International Conference on Soft Computing: Theories and Applications	Land Cover Classification of High Resolution Remote Sensing Imagery Using Modified UNet Architecture	International Conference on Soft Computing: Theories and Applications	Jul-26	978-3-032-26370-4	Yes	Springer
2	Arvinder Kaur (Scholar: Gulafshan Parveen)		An Empirical Study of Iterative Batch Refactoring for Code Smell Reduction and Software Quality Improvement	2026 13th International Conference on Computing for Sustainable Global Development (INDIACom)	2026	ISBN/ISSN: 978-93-80544-65-6 / 0973-7529	Yes	IEEE
3	Arvinder Kaur (Scholar: Jasmeet Kaur)		ADual-Network MLSTM Model for Software Defect Density Prediction	2025 International Conference on Networks and Cryptology (NETCRYPT)	2025	eISBN/ISBN: 979-8-3315-2605-4 979-8-3315-2606-1	Yes	IEEE

4	Prashant Naresh, Dr. Bharti Suri, Dr. Bimlesh Wadhwa		A Structured Framework for Detecting Dark Patterns in E-Commerce Systems	2026 International Conference on Computing, Sciences and Communications (ICCSC)	2026	Electronic ISBN: 979-8-3315-9576-0	Yes	IEEE
5	Kashika Wadhwa, Ritika Kumari, Anjana Gosain		Enhancing Model Performance in Hybrid Class Imbalance Techniques	International Conference on Machine Learning and Data Engineering; published in Procedia Computer Science, Vol. 258, pp. 288–297	2025	ISSN: 1877-0509	Yes	Elsevier B.V.
6	Jaspreeti Singh, Pooja Tyagi, Anjana Gosain		An Empirical Evaluation of Boundary-Aware and Overlap-Aware Resampling Techniques for Class Imbalance and Overlap in Classification	2025 4th International Conference on Applied Artificial Intelligence and Computing (ICAAIC 2025)	2025	Electronic ISBN: 979-83-315-6587-9; PoD ISBN: 979-83-315-6588-6	Yes	IEEE

7	Kashika Wadhwa, Ritika Kumari, Anjana Gosain		Addressing Multiclass Imbalance Problem: A Synergistic Approach Using BLSMOTE and Ensemble Method	Data Science and Applications: Proceedings of ICDSA 2025, Volume 1; Lecture Notes in Networks and Systems	2026	Softcover ISBN: 978-3-032-10752-7; eBook ISBN: 978-3-032-10753-4; Series ISSN: 2367-3370; e-ISSN: 2367-3389	Yes	Springer Cham
8	Anjana Gosain		A Comparative Evaluation of Metrics for Requirements Data Model Quality in Data Warehouses	Proceedings of 2026 1st International Conference on Intelligent Computing and Automation for Sustainable Solutions (ICASS 2026)	2026	ISBN: 979-8-3315-5169-8	Yes	IEEE
9	Pushpendra S. Bharti		Digitalization in dentistry: Advancing accuracy for 3D printing in healthcare innovation	AIP Conference Proceedings	2026	1551-7616	Yes	AIP Publishing
10	Ashish payal		Robust Localization in Mobile WSNs: A Comparison of Optimized	International Conference on Computing, Sciences and Communications (ICCSC)	2026	979-8-3315-9576-0	yes	IEEE

			Multilateration and Dynamic Triangulation					
11	Ashish payal		A Survey of Arithmetic Optimization Algorithm in Wireless Sensor Networks	Global AI Summit-International Conference on Artificial Intelligence and Emerging Technology (AI Summit)	2025	979-8-3315-5379-1	yes	IEEE
12	Ashish payal		Energy-Aware Hybrid Localization in IoT and WSNs Using Multilateration and Grey Wolf Optimization	International Conference on Computing, Sciences and Communications (ICCSC)	2026	979-8-3315-9576-0	yes	IEEE
13	Ravindra Purwar		Automated Brain Tumor Detection in MRI Images Using ResNet 50 with CBAM and Transfer Learning	2025 2nd Global AI Summit - International Conference on Artificial Intelligence and Emerging Technology (AI Summit)	2025	979-8-3315-5379-1	yes	IEEE

14	Ravindra Purwar	NA	Detecting Anomalies in Surveillance Videos Through Deep Learning and One Class SVM	2025 12th International Conference on Computing for Sustainable Global Development (INDIACom)	2025	979-8-3315-0283-6	Yes	IEEE
15	Virendra P. Vishwakarma		Evolutionary and Adaptive Optimization for Alzheimer's Disease Classification Using Machine Learning	2026 13th International Conference on Computing for Sustainable Global Development (INDIACom)	2026	978-93-80544-64-9	yes	IEEE
16	Virendra P. Vishwakarma		Recent Progress in Deformable Medical Image Registration Using Transformers U-Nets and Beyond	2026 1st International Conference on Advancing Sustainable Solutions through Technologies (ICASST)	2026	979-8-3315-7222-8	yes	IEEE
17	Virendra P. Vishwakarma		A Novel GCN-GAT Hybridization for Face Recognition	2025 Second International Conference on Pioneering Developments in Computer Science & Digital Technologies (IC2SDT)	2025		yes	IEEE

18	Virendra P. Vishwakarma		Enhanced Digital Image Watermarking Analysis Using Machine Learning for PSNR and NC Prediction	International Conference on Next-Generation Networks and Deployable Artificial Intelligence	2025	978-3-032-15395-1	yes	Springer Nature Switzerland
19	Dr. Sanjay Kumar Malik	-	Enhancing Sentiment Classification Accuracy from Visual Descriptions Using Optimized Deep Learning Models	2nd International Conference on Computational Intelligence and Computing Applications (ICCICA)	Jan-26	979-8-3315-5650-1	Yes	IEEE
20	Dr. Sanjay Kumar Malik	-	A Review and Comparison of Machine Learning Algorithms for Twitter Sentiment Analysis	14th International Conference on System Modeling & Advancement in Research Trends, (SMART 2025)	Feb-26	979-8-3315-6496-4	Yes	IEEE
21	Vandana Nath	NA	Four Port High Isolation Planer Antenna with Capacitive	2025 Modern Electronics Devices and Intelligent Communication Systems (MEDCOM)	2026	979-8-3315-7444-4	yes	IEEE

			Inductive Decoupling with Ground Shorted Patch Antenna					
22	Neha; Anuradha Chug; Amit Prakash Singh; V Shanmugam; Ravinder Kumar		Adaptive Fusion-Based Noise-Robust Plant Disease Detection Using Dual-Modality Deep Learning	Conference: 2025 2nd International Conference on Multidisciplinary Research and Innovations in Engineering (MRIE 2025) Publisher: IEEE Proceedings: IEEE Conference Proceedings	2025	Pages: 405–409 DOI: 10.1109/MRIE66930.2025.11156894	yes	IEEE
23	Heena Kwatra, Anuradha Chug		Analyzing the Performance of Transformer-Based and CNN-Based Models for Animal Posture Recognition	Conference: 2025 2nd International Conference on Computational Intelligence and Computing Applications (ICCICA 2025)	2025	Publisher: IEEE Proceedings: IEEE Conference Proceedings DOI: 10.1109/ICCICA67008.2025.11337901	yes	IEEE
24	Riya Rawal, Anuradha Chug, Amit Prakash Singh, Dinesh Singh		Optimized Neuro-Fuzzy Feature Learning for Sugarcane Disease Detection: Benchmarking Against Machin	2025 International Conference on Engineering Innovations and Technologies (ICoEIT 2025), Pages302-307	2025	DOI10.1109/ICoEIT63558.2025.11211621 Conference Proceedings ISBN 979-8-3315-9337-7 (IEEE proceedings ISBN)	yes	IEEE

			e Learning and Deep Learning Approaches					
25	Neha; Anuradha Chug; Amit Prakash Singh; V. Shanmugam; Ravinder Kumar		DiCo-AF: A Selective-Attention Feature Extraction and Fusion Model for Potato Disease Detection Authors	Conference 2025 7th International Conference on Artificial Intelligence and Speech Technology (AIST)	2025	ISBN: 979-8-3315-7775-9, Year: 2025 Publisher: IEEE Paper DOI: 10.1109/AIST68591.2025.11441527	yes	Springer
26	Chandni Kohli, Anuradha Chug, Amit Prakash Singh, Ravinder Kumar, V. Shanmugam		SegFormerDiffusion: A Transformer–Diffusion Hybrid for High-Resolution Potato-Leaf Lesion Segmentation	2025 2nd Global AI Summit – International Conference on Artificial Intelligence and Emerging Technology (AI Summit 2025)	2025	ISBN (Proceedings) 979-8-3315-5380-7	yes	IEEE conference proceedings
27	Rajput, D., & Chug, A.		Optimising SVM with Improved Grey Wolf to Detect Code Smell	2025 International Conference on Networks and Cryptology (NETCRYPT)	2025	ISBN (Conference Proceedings): 979-8-3315-2605-4	yes	IEEE conference proceedings

			Severity					
28	Chandni Kohli , Anuradha Chug V. Shanmugam , Amit Prakash Singh , and Ravinder Kumar		Detection of Late Blight (LB) and Early Blight (EB) in Potato Plants Using Deep Learning Models: A Comparative Study	Proceedings of International Conference on Next-Generation Communication and Computing, Lecture Notes in Networks and Systems 1305,	2025		yes	
29	Dr. Reena Gupta	Emerging Trends in Artificial Intelligence and Machine Learning	Advancing Transfer Learning with GAP, depth constraints and averge depth constraints for diverse datasets	International Conference on signal processing and integrated networks	2025	978-981-96-9971-1	yes	Springer, Singapore
30	Dr. Mansi Jhamb		Performance Analysis of Cluster-Based Routing Protocols under Propagation and Mobility Variants in	2025 Second International Conference on Pioneering Developments in Computer Science & Digital Technologies (IC2SDT)	2025	979-8-3315-7725-4	yes	

			Wireless Sensor Networks					
31	Dr. Mansi Jhamb		A CMOS-Based Voltage Reference with Cascaded Current Mirror	International Conference on Intelligent Processing, Hardware, Electronics, and Radio Systems (CIPHER)	2026	979-8-3315-5184-1	yes	
32	Dr. Mansi Jhamb		High-Performance Arithmetic Logic Unit (ALU) Based on Vedic Multiplier	Proceedings of the NIELIT's International Conference on Communication, Electronics and Digital Technologies. NICEDT 2025. Lecture Notes in Networks and Systems, vol 1522. Springer, Singapore.	2025		yes	Springer
33	Dr. Mansi Jhamb		Optimizing XOR Gate Designs for Low-Power Hearing Aid Circuits Across Different Technology Nodes and Voltage Sources	Micro and Nanoelectronics Devices, Circuits and Systems. MNDCS 2024. Lecture Notes in Electrical Engineering	24-Jul-25	978-981-96-3757-7	yes	

34	Dr. Jaspreeti Singh		An Empirical Evaluation of Boundary-Aware and Overlap-Aware Resampling Techniques for Class Imbalance and Overlap in Classification	International Conference on Applied Artificial Intelligence and Computing (ICAAIC) 2025	2025	979-8-3315-6587-9	Yes	IEEE
35	Dr. Ruchi Sehrawat	Data-Driven Analytics for Healthcare	"Data-Driven Analytics for Healthcare: Artificial Intelligence and Machine Learning for Medical Diagnostics", Chapter 4		2025	Hard: ISBN: 9781774917602, E-Book ISBN: 9781003558743 [Scopus]	yes	CRC, Taylor & Francis, USA
36	Dr. Ruchi Sehrawat		Light-Weight Hierarchical Attention-Compression Based Disease Classification from X-Ray Images	2025 International Conference on Digital Innovations for Sustainable Solutions (ICDISS), IEEE	2025	doi: 10.1109/ICDISS68238.2025.11320750	yes	IEEE

37	Dr. Ruchi Sehrawat		A Study on Cryptographic Performance: Traditional Versus ML-Enhanced Techniques	International Conference on Applications of Artificial Intelligence in Computational Intelligence and Communication Technologies (ICAAI-2025), Springer Nature.	2025		yes	Springer nature
38	Dr. Ruchi Sehrawat		A Feistel-Based Text Encryption Scheme with a Novel Nonlinear Round Function and Reversible RAINBOW Permutation	14th International Conference on Contemporary Engineering and Technology 2026 (14 ICCET 2026)	2026		yes	
39	Dr. Ruchi Sehrawat		Machine Learning–Based Physiological Key Generation for Secure Image Encryption with CNN Encoding, Chaotic Diffusion and AES." 14th	14th International Conference on Contemporary Engineering and Technology 2026 (14 ICCET 2026)	2026		yes	

40	Manoj Kumar Satyarthi	Emerging Trends in Manufacturing Technologies	An Introduction to Internet of Things Sensors for Digital Twins in Home and Manufacturing Environments		2026	ISBN 978-0-443-33645-4	yes	Elsevier
41	Priyanka Choudhary	NA	Evaluating Performance Differences of Three Patch Antenna Designs and Their 2x2 Arrays for CubeSat Communication	Wireless, Antenna & Microwave Symposium · WAMS 2026	10-13 June 2026		YES	NA