



PANIMALAR ENGINEERING COLLEGE

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

JOURNAL PUBLICATIONS

AY 2025-26

S.NO.	AUTHOR	PAPERTITLE	JOURNAL NAME	INDEXED (UGC CARE/ SCOPUS/ WOS)	LINK
1.	Maria Manuel Vianny.et.al.,	Integration of metaheuristic based feature selection with ensemble representation learning models for privacy aware cyberattack detection in IoT environments	Scientific Reports	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57704382800&origin=resultslist
2.	Vidhya Muthulakshmi.et.al.,	Nonlinear FWM effects management and FWM system performance analysis in ultra wide optical wavelength division multiplexing systems	Journal of Optical Communications	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=58932024600&origin=recordpage
3.	Gomathi C.et.al.,	Real-Time Streaming Relay Device for P2P Overlay Networks In Pervasive Computing Environments	International Journal of Basic and Applied Sciences	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=58932473400&origin=resultslist
4.	Vijayakumar K.et.al.,	DeepCuckoo: A Synergistic Approach Using Deep Learning and Bioinspired Cuckoo Search for Optimized Energy-Efficient Cluster Head Selection in 5G and Advanced Wireless Sensor Networks	International Journal of Communication Systems	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=59171881200
5.	Vijayakumar K.et.al.,	Optimizing Cluster Head Selection and Routing in 5G WSNs: A Reinforcement Learning and Deep Learning Approach.	Communication & Networks Connect	WOS	https://scifiniti.com/uploads/articles/202509250926381.pdf

6.	Vijayakumar K.et.al.,	Novel Prediction on Breast Cancer through Lazy Learning Approach by Linear Neural Network Search with Distance with Euclidean	Fusion: Practice and Applications	SCOPUS	https://doi.org/10.54216/FPA.210114
7.	Srinidhi. S.et.al.,	Hybrid Deep Learning Approach for Deepfake Detection Using ResNet50 and EfficientNetB0	Journal of Innovative Image Processing	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57225724682&origin=resultslist
8.	Jayashree K. et.al.,	Q-TEC: A Highly Secured Trapdoor Encryption Scheme for User Authentication in Content-Based Image Retrieval Systems in Cloud	Traitement du Signal	SCOPUS	https://doi.org/10.18280/ts.420243
9.	Gracy Theresa, W.et.al.,	Multi-modal emotional analysis in customer relation management and enhancing communication through integrated affective computing	Scientific Reports	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=59698422100&origin=resultslist
10.	Gracy Theresa, W.et.al.,	EmoMAC: a bias-induced multimodal fusion model for emotional analysis with visualization analytics enabled through super affective computing in emails	Journal of Combinatorial Optimization	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57200211657
11.	Gracy Theresa, W.et.al.,	Multimodal Deep Learning Model for Measuring the Impact of Social Media Advertising Using Visual Linguistic Representation Learning	Journal of Machine and Computing	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=59698422100
12.	Chakaravarthi, S.et.al.,	HBO-BiLSTM: hybrid bat optimizer-based bidirectional long short-term memory for secure web service recommendation	Wireless Networks	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=56048705100
13.	Sivakumar, N.et.al.,	Deep Learning-Based Classification of Comments and Reviews for Sustainable Development Goals (SDGs) with Web Application Implementation	International Journal of Basic and Applied Sciences	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=46662041200&origin=resultslist

14.	Kalaimagal, S.et.al.,	Advanced Detection of Diabetic Foot Ulcers Using Hamiltonian Quantum GANs and Cell Attention Networks, with Genghis Khan Shark Optimization	Biomedical Materials and Devices	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=24399073900&origin=resultslist
15.	Maharajan, M. S et.al.,	Multiband Reconfigurable MIMO Antenna Using Fractal Geometry and PIN Diode Switches for Next Generation Wireless Networks	Physica Scripta	SCOPUS	https://doi.org/10.1088/1402-4896/ae1904
16.	Maharajan, M. S et.al.,	Biosynthesized CoFe ₂ O ₄ from grape peel extract and polyvinyl alcohol-based composite: evaluation and characterization	Journal of the Australian Ceramic Society	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57211287103
17.	Gnanaprakasam, C. et.al.,	Harnessing the power of MAGRes-UNet with progressive cyclical convolutional neural networks for effective skin lesion segmentation in dermoscopic image analysis	Biomedical Signal Processing and Control	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57207675083
18.	Gnanaprakasam, C. et.al.,	AI-driven graphene oxide composite sensors for multi-pollutant detection and classification	Microchemical Journal	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57207675083
19.	Gnanaprakasam, C. et.al.,	Vulnerability Detection in Software Applications using Static Code Analysis	Journal of Theoretical and Applied Information Technology	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57207675083
20.	Kaliappan, P. et.al.,	Swarm Intelligence-Based Performance Optimization for Wireless Sensor Networks for Hole Detection	International Journal of Engineering Science and Information Technology	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=59897598200
21.	Anitha, J. et.al.,	A New Offloading Technique To Maximize Multi-User Performance In Edge Computing Using Blockchain Technology In The Internet Of Things	International Journal of Applied Mathematics	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=58890831200
22.	Anitha, J. et.al.,	Machine Learning-Based Microcalcification Detection From Mammograms: Former	Biomedical Engineering Applications Basis and Communications	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=59727388500

		Techniques And Challenges, Future Research Trends			
23.	Anitha, J. et.al.,	Machine Learning-Based Microcalcification Detection From Mammograms: Former Techniques And Challenges, Future Research Trends	Biomedical Engineering Applications Basis and Communications	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=59727388500
24.	Babisha, A. et.al.,	IoT-Driven Heart Disease Prediction Using Triple Pseudo-Siamese Network and Pyramid Attention with Termite Alate Optimization	Biomedical Materials and Devices	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57419336500
25.	Babisha, A. et.al.,	Diverse Geographical Region Analysis Based on Deforestation Rate Using Remote Sensing Image and Machine Learning Techniques	Journal of Intelligent Systems and Internet of Things	SCOPUS	https://doi.org/10.54216/JISIoT
26.	Kavitha, P. et.al.,	Integrating artificial intelligence for enhanced water quality prediction and classification: A multi-model approach	Global Nest Journal	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57374448500
27.	Leelavathy, S. et.al.,	Deep Learning Algorithm Design for Discovery and Dysfunction of Landmines	International Journal of Computational and Experimental Science and Engineering	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=57218885475
28.	Vivek C. et.al.,	Efficient Mach–Zehnder modulators with high-pumped laser-based multimode doped fibers in high-modulated optical coded systems	Journal of Optics India	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=58733881200
29.	Vivek C. et.al.,	Experimental and numerical analysis of pressure drop optimization and comparative evaluation of multilayer microchannel nanofluid coolants for enhanced thermal performance in compact heat sinks	Applied Nanoscience Switzerland	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=58733881200
30.	Priya, R. et.al.,	Detecting Cyber Security Threats On Cloud Computing Networks Of Intelligent Computing	International Journal of Applied Mathematics	SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=60153521300&origin=resultslist

31.	Bala Abirami, B. et.al.,	An IoT-Cloud-Based Detection Approach of Generalized Seizure across Ages Using Harmonic-Guided Neural Networks with Edge Optimization	International Journal of Electronics and Communication Engineering	SCOPUS	https://doi.org/10.14445/23488549/IJECE-V12I8P122
32.	Bala Abirami, B. et.al.,	Climate Change Prediction in Urban Environment Using UAV Imaging Based on Cloud IoT and Deep Learning Techniques	Journal of Intelligent Systems and Internet of Things	SCOPUS	https://doi.org/10.54216/JISIoT.180119