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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

JOURNAL PUBLICATIONS

AY 2024-25

S.NO.	AUTHORS	PAPER TITLE	JOURNAL NAME	INDEXED (UGC CARE/ SCOPUS/ WOS)	LINK
1.	Dr.S.Malathi.et.al.,	A new mining and decoding framework to predict expression of opinion on social media emoji's using machine learning models	IAES International Journal of Artificial Intelligence (IJ-AI) Institute of Advanced Engineering and Science	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57195331995
2.	Dr.S.Malathi.et.al.,	Knowledge Navigator: Revolutionizing Education through LLMs in Generative AI	Fusion: Practice and Applications	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57195331995
3.	Dr.S.Malathi. et.al.,	CL-FusionBEV: A Cross-Attention Based Fusion Model for Camera and LiDAR in Bird's Eye View Perception	Fusion: Practice and Applications	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57195331995
4.	Dr.S.Malathi . et.al.,	Dermatology Chatbot: An AI-Driven Solution for Accessible Skin Care	Journal of Intelligent Systems and Internet of Things	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57195331995
5.	Dr.S.Malathi . et.al.,	Enhancing IoT cyber security with hybrid deep learning: a novel approach for malware detection and source code piracy prevention using adaptive tensor flow and IPSO	International Journal of System Assurance Engineering and Management	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57195331995
6.	Dr. A.Joshi,et.al.,	A Note on Wiener and Hyper-Wiener Indices of Abid-Waheed Graph	Contemporary Mathematics (Singapore)	Scopus	https://www.scopus.com/authid/detail.uri?authorId=42961616900
7.	Dr. A.Joshi,et.al.,	Using Machine Learning to Estimate Source Location Early Earthquake Warning	International Journal of Intelligent Systems and Applications in Engineering (IJISAE).	Scopus	https://www.scopus.com/authid/detail.uri?authorId=42961616900

8	Dr. A.Joshi,et.al.,	A Model for Predicting Chronic Kidney Diseases Based on Medical DataUsing Reinforcement Learning	SN Computer Science	Scopus	https://doi.org/10.1007/s42979-024-02665-z
9.	Dr. A.Joshi,et.al.,	Early brain tumor identification and segmentation using artificial intelligence	Multidisciplinary Science Journal	Scopus	https://www.scopus.com/authid/detail.uri?authorId=42961616900
10.	Dr.K.Jayashree,et.al.,	An Efficient Ontology-Based Semantic Interoperability Using MSGO-RNN in Cloud Computing	Journal of Optimization	Scopus	https://www.scopus.com/authid/detail.uri?authorId=55492906800
11.	Dr.K.Jayashree,et.al.,	Secure image sec: A privacy-preserving framework for outsourced picture representation with content-based image retrieval	Intelligent Data Analysis	SCI & Scopus	https://www.scopus.com/authid/detail.uri?authorId=55492906800
12..	Dr.K.Jayashree,et.al.,	Enhancing Lung Nodule Classification: A Novel CViEBi-CBGWO Approach with Integrated Image Preprocessing	Journal of Imaging Informatics in Medicine	WOS - SCIE	https://www.scopus.com/authid/detail.uri?authorId=55492906800
13.	Dr.K.Jayashree,et.al.,	Symmetry-Aware Multi-Dimensional Attention Spiking Neural Network with Optimization Techniques for Accurate Workload and Resource	Symmetry	SCIE & Scopus	https://www.scopus.com/authid/detail.uri?authorId=55492906800
14.	Dr.K.Jayashree,et.al.,	An efficient cardio vascular disease prediction using multi-scale weighted feature fusion-based convolutional neural network with residual gated recurrent unit	Computer Methods in Biomechanics and Biomedical Engineering	SCIE & Scopus	https://www.scopus.com/authid/detail.uri?authorId=55492906800
15	Dr.K.Jayashree,et.al.,	Zero EVNet: A multimodal zero-shot learning framework for scalable emergency vehicle detection	Expert Systems with Applications	SCIE & Scopus	https://www.scopus.com/authid/detail.uri?authorId=55492906800
16.	Dr.K.Jayashree,et.al.,	Leveraging Mask Auto encoder and Crossover Binary Sand Cat Algorithm for Early Detection of Glaucoma	Microscopy Research and Technique	SCIE & Scopus	https://www.scopus.com/authid/detail.uri?authorId=55492906800

17.	Dr.K.Jayashree,et.al.,	Prediction and risk analysis of Cardio Vascular diseases in IoHT by enhanced CHIO-based Residual and dilated gated network with Attention Mechanism	Biomedical Signal Processing and Control	SCIE & Scopus	https://www.scopus.com/authid/detail.uri?authorId=55492906800
18	Dr.S.Chakaravarthi,et.al.,	Deep semantic segmentation and skin disease classification from dermoscopic images based on a modernized deep learning network with multi-feature extraction	Australian Journal of Electrical and Electronics Engineering, Taylor & Francis	Scopus	https://www.scopus.com/authid/detail.uri?authorId=56048705100
19.	Dr.S.Chakaravarthi,et.al.,	Development And Analysis of a Novel Nonlinear Optical Crystal: Magnesium L-Tartrate Chloride (Mltc) for Enhanced Photonic Applications	Journal of Environmental Protection and Ecology, Scibulcom Ltd	SCI & Scopus	https://www.scopus.com/authid/detail.uri?authorId=56048705100
20.	Dr.S.Chakaravarthi,et.al.,	Optimizing Data Centre Energy Efficiency with Dynamic Resource Allocation and Intelligent Cooling Management through Machine Learning	J. Electrical Systems	Scopus	https://doi.org/10.52783/jes.1287
21.	Dr.S.Chakaravarthi,et.al.,	HBO-BiLSTM: hybrid bat optimizer-based bidirectional long short-term memory for secure web service recommendation	Wireless Networks, Springer Nature	SCI & Scopus	https://www.scopus.com/authid/detail.uri?authorId=56048705100
22.	Dr.S.Chakaravarthi,et.al.,	IoT-based trusted wireless communication framework by machine learning approach	Measurement: Sensors	Scopus	10.1016/j.measen.2024.101271
23	Dr. T.Kalaichelvi,et.al.,	Computing Environments: Employing Recurrent Neural Networks and ELM for Advanced Analysis in Investigation Scenarios	Journal of Advances in Information Technology	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57998759000
24.	Dr. T.Kalaichelvi,et.al.,	Hybrid deep learning enabled breast cancer detection using mammogram images	Biomedical Signal Processing and Control	SCIE & Scopus	https://www.scopus.com/authid/detail.uri?authorId=57998759000
25.	Dr. T.Kalaichelvi,et.al.,	A broad study of machine learning and deep learning techniques for diabetic retinopathy based on feature extraction, detection and classification	Measurement : Sensors	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57998759000

26.	Dr. M.Anbarasan, et., al.,	A pharmachain IoT with internal attack classification framework using PBFT-ML-RIB-RBF technique in healthcare	Intelligent Data Analysis	SCI & Scopus	https://www.scopus.com/authid/detail.uri?authorId=56925264400
27.	Dr.W.Gracy Theresa,et.al.,	The detection of phishing attempts in communications systems	International Journal of Electronic Security and Digital Forensics	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57200211657
28.	Dr.W.Gracy Theresa,et.al.,	Optimized Efficient Net for multi-class skin cancer diagnosis: integrating chaotic grey wolf algorithms	Current Science	SCIE & Scopus	https://www.scopus.com/authid/detail.uri?authorId=57200211657
29.	Dr.W.Gracy Theresa,et.al.,	The Role of Agricultural Cooperatives in enhancing Credit Access, Market Information, and Smart Farming among Rural Farmers	Research on world agricultural Economy	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57200211657
30.	Dr.W.Gracy Theresa,et.al.,	A Novel Approach for Heart Disease Detection Using Hyper parameter- Tuned Random Forest Ensemble Method	Frontiers in Health Informatics	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57200211657
31.	Dr.S.Kalaimagal et al.,	Advanced Detection of Diabetic Foot Ulcers Using Hamiltonian Quantum GANs and Cell Attention Networks, with Genghis Khan Shark Optimization	Biomedical Material and Devices	Scopus	10.1007/s44174-025-00332-2
32.	Dr.N.Sivakumar,et.al.,	Optimising Real-Time Monitoring Of Gas-Phase Oxidation Using Ai Algorithms For Agrochemical Industries	Oxidation Communications	Scopus	https://www.scopus.com/authid/detail.uri?authorId=46662041200
33.	Dr.N.Sivakumar,et.al.,	Classification of adaptive back propagation neural network along with fuzzy logic in chronic kidney disease	e-Prim Advances in Electrical Engineering, Electronics and Energy	Scopus	https://www.scopus.com/authid/detail.uri?authorId=46662041200
34.	Dr.N.Sivakumar,et.al.,	Improving Accuracy In Emotion Classification Using Game Theory and Multi-Physiological Signals	Journal of the Balkan Tribological Association,	Scopus	https://www.scopus.com/authid/detail.uri?authorId=46662041200
35.	Dr.N.Sivakumar,et.al.,	Assessing the Toxicological Impact of Exhaust Gas Particulate Matter Across Various Fuels During Cold Temperature Operation	Journal of New Materials for Electrochemical Systems	Scopus	https://www.scopus.com/authid/detail.uri?authorId=46662041200

36.	Dr.N.Sivakumar,et.al.,	Heart Disease Prediction based on Convolutional Neural Network Feature Genetic Algorithm Solutions	Frontiers in Health Informatics	Scopus	https://www.scopus.com/authid/detail.uri?authorId=46662041200
37.	Dr.C.Gnanaprakasam,et.al.,	An Integrative Computational Intelligence for Robust Anomaly Detection in Social Networks	Iraqi Journal for Computer Science and Mathematics & College of Education, Al-Iraqia University	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57207675083
38.	Dr.P.Kavitha et. al.,	Utilizing Sophisticated Deep Learning Methods to Forecast Treatment Methods for Effluents Generated by the Paper and Pulp Industry	Journal of Environmental Nanotechnology	SCI & Scopus	https://www.scopus.com/authid/detail.uri?authorId=57374448500
39.	Dr.P.Kavitha et. al.,	Enhancing IoT cyber security with hybrid deep learning: a novel approach for malware detection and source code piracy prevention using adaptive tensor flow and IPSO	International Journal of System Assurance Engineering and Management	Scopus	https://www.scopus.com/page/publications/105004691162
40.	Dr.P.Kavitha et. al.,	Experimental Investigation of Wastewater by Using Novel Borassus flabellifer Fiber and Cocos nucifera Fiber	Asian Journal of Water, Environment and Pollution, IOS Press BV	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57374448500
41.	Dr.E.Bhuvaneswari,et.al.,	A deep learning-driven multi-layer digital twin framework with miot for precision oncology in cancer diagnosis	Journal of Intelligent Systems and Internet of Things	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57224616436
42.	Dr.E.Bhuvaneswari,et.al.,	Influence of Soret and Dufour Impacts on Casson Fluid Flow in a Channel Embedded in a Porous Medium	Advances in Nonlinear Variational Inequalities	Scopus	https://doi.org/10.52783/anvi.v28.2450
43.	Dr. S.Hemamalini, ,et.al.,	Retinal Image Enhancement Through Hyper parameter Selection Using RSO for CLAHE to Classify Diabetic Retinopathy	Treatment Du Signal & International Information and Engineering Technology Association	WoS	https://www.iieta.org/journals/ts/paper/10.18280/ts.410429
44.	Dr. S.Hemamalini,et.al.,	Deep Learning Approach for Early Detection of Cardiovascular Disease in Diabetic Nephropathy Patients using Kindney CT Scan Images	Science and Technology Journal	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57921338200
45.	Dr. S.Hemamalini,et.al.,	Knowledge Navigator: Revolutionizing Education through LLMs in Generative AI	Fusion: Practice and Applications	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57921338200

46.	Dr. A N Arularsan,et.al.,	Advancing Smart Cyber Physical System with Self- Adaptive Software	International Research Journal of Multidisciplinary Scope	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57118243800
47.	Dr. A N Arularsan,et.al.,	IDEAL: an inventive optimized deep ensemble augmented learning framework for opinion mining and sentiment analysis	Social Network Analysis and Mining	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57118243800
48.	Dr. S.Hemamalini,et.al.,	A YOLOv8-based AI System for Real-Time Endemic Species Threat Detection and Response	Journal of Innovative Image Processing	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57921338200
49.	Dr.P.Rajeswari,et,al.,	Forecasting municipal solid waste generation using advanced transformer and multi-layer perceptron techniques	Clean Technologies and Environmental Policy	Scopus	10.1007/s10098-024-03091-8
50.	Dr.P.Rajeswari,et,al.,	Smart City Optimization through Machine Learning for Enhancing Urban Efficiency and Sustainability	Nanotechnology Perceptions	Scopus	https://jeas.springeropen.com/articles/10.1186/s44147-024-00399-6
51.	Dr.P.Rajeswari,etal.,	Multi-class segmentation skin diseases using improved tuna swarm-based U-EfficientNet	Journal of Engineering and Applied Science	Scopus	https://jeas.springeropen.com/articles/10.1186/s44147-024-00399-6
52.	Dr. S.Renuga,et.,al.,	Deep Learning Techniques for Mri Image-Based Performance Analysis of Brain Tumor Classification	Journal of Applied Engineering and Technological Science	Scopus	https://www.scopus.com/authid/detail.uri?authorId=59378347100
53.	Dr. S.Renuga,et.,al.,	A Novel IChoOA-CNN-LSTM Model for Android Malware Detection using Opcode-Based Feature Selection and Optimization	Journal of Information system Engineering and management	Scopus	https://www.scopus.com/authid/detail.uri?authorId=59378347100
54.	Dr. T.Veeramani, et.al.,	Optimized CNN-BiLSTM with Attention: A High Performance Model for Predicting Heart Disease Using Cleveland and Framingham Datasets	Journal of Machine and Computing	Scopus	https://www.scopus.com/authid/detail.uri?authorId=56884602600
55.	Dr. T.Veeramani, et.al.,	Design and development of a comprehensive learning management system (LMS) with integrated machine learning for personalized	International Journal of Basic and Applied Sciences	Scopus	https://www.scopus.com/authid/detail.uri?authorId=56884602600

56.	Dr. C. Bharanidharan,et.al.,	Examining Advances Challenges and Patient Outcomes in Immunotherapy for Cancer Treatment	Seminars in Medical Writing and Education.	Scopus	https://www.scopus.com/authid/detail.uri?authorId=57232395000
57.	Dr.M.SMaharajan,et.,at.,	Graph Fick's Neural Networks for Traffic Prediction and Resource Allocation in 6G Wireless Systems	Library Progress International journals	Scopus	https://bpasjournals.com/library-science/index.php/journal/article/view/2679
58.	Dr.M.SMaharajan,et.,al.,	IOT-Based Smart Health Care Patient Monitoring System Using Dual Sampling Dilated Pre-Activation Simplicial Convolution	Library Progress International journals	Scopus	https://bpasjournals.com/library-science/index.php/journal/article/view/2112
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60.	Mrs. S.Vimala, et al.,	High speed operation efficiency of doped light sources with the silica-doped fiber channel for extended optical fiber system reach	Journal of Optical Communications	Scopus	https://www.scopus.com/authid/detail.uri?authorId=38661996500
61	Mrs. S.Vimala, et al.,	A hybrid framework for job scheduling on the cloud through firefly and cuckoo search algorithm	International Journal of Computing Science and Mathematics	Scopus	https://www.scopus.com/authid/detail.uri?authorId=38661996500
62.	Dr.V.Mahavaishnavi, et, al.,	Secure container orchestration: A frame work for detecting and mitigating orchestrator - level vulnerabilities	Multimedia Tools and Applications	SCI & Scopus	https://www.scopus.com/authid/detail.uri?authorId=57221229890
63.	Mr.C.Vivek,et,al.,	Stochastic SIR Modeling with Seasonal Forcing and Vital Dynamics for Infectious Disease Spread	Nanotechnology Perceptions, Collegiums Basilea	Scopus	https://nano-ntp.com/index.php/nano/article/view/3209
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69.	Mrs.S.Swathi,et,al.,	Artificial intelligence (AI) and data science are revolutionizing the automotive industry	Journal of Data Acquisition and Processing	Scopus	https://www.scopus.com/authid/detail.uri?authorId=58680144700
70.	Mrs.S.Swathi,et,al.,	Energy-Aware Heterogeneous Networks Resource Management For Sustainable Agricultural Data	Journal of Environmental Protection and Ecology	Scopus	https://www.scopus.com/authid/detail.uri?authorId=58680144700
71.	Mrs.J.Anitha,et,al.,	A Review on Emoji Entry Prediction for Future Finance Market Analysis Using Convolutional Neural Network	International Journal of Computational and Experimental Science and Engineering	Scopus	https://jisem-journal.com/index.php/journal/article/view/4563
72.	Mrs.J.Anitha,et,al.,	AI-Driven Blockchain Framework for Secure and Efficient IoT Data Analysis	Journal of information Engineering and Management	Scopus	https://jisem-journal.com/index.php/journal/article/view/4563
73.	Mrs.J.Anitha,et,al.,	An Enhanced Precise and Severity Evaluation of Multi Class Plant Disease Prediction Using Epistemic Neural Network with Spike-Driven	Library Progress International	Scopus	https://bpasjournals.com/library-science/index.php/journal/article/view/2629
74.	Mrs.C.Gomathi,et,al.,	A ComprehensiveIoT-Based Automation System for Enhanced Productivity and SustainabilityforAdvancing Farming Efficiency	Nanotechnology Perceptions	Scopus	https://www.scopus.com/authid/detail.uri?authorId=58932473400
75.	Mr.M.Venkatesan, et, al.,	Bidirectional Long Short-Term Memory with Parametric Flatten-T Swish Activation Function for Land Use Land Cover Classification	International Journal of Intelligent Engineering and Systems	Scopus	https://www.scopus.com/authid/detail.uri?authorId=58829533500
76.	Mrs.P.MisbaMarybai, et,al.,	Predictive Modelling for E-commerce Logistics Using Minimum Redundancy Feature Selection and Deep motive with Non-Linear	Journal of Computational Analysis and Applications	Scopus	https://eudoxuspress.com/index.php/pub/article/view/327

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78.	Mrs. P.Ranjidha,et,al.,	Artificial Intelligence on the Administration of Financial Markets	Nanotechnology Perceptions, Collegium Basilea, Switzerland	Scopus	https://nanontp.com/index.php/nano/article/view/2493
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80.	Mrs.R.VidhyaMuthu Lakshmi,et,al.,	Addressing Non-Normalised Sequences In Stroke Imaging Data: Robust Deep Learning Models For Cross- Modality Image Analysis	Journal of Environmental Protection and Ecology	SCI & Scopus	https://www.scopus.com/authid/detail.uri?authorId=58932024600
81	Mrs. K CharuLatha,et,al.,	Artificial intelligence powered intelligent reflecting surface systems countering adversarial attacks in machine learning	International Journal of Reconfigurable and Embedded Systems (IJRES)	Scopus	https://ijres.iaescor.e.com/index.php/IJRES/article/view/20954
82.	Mrs.K.Saranya.,et.al.,	Crop Leaf Type Classification and Multi-Class Leaf Disease Identification with Tangent Hunter Prey Optimization-Based LeNet	International Journal of Image and Graphics	Scopus	https://www.worldscientific.com/doi/10.1142/S0219467826500312?srsId=AfmBOoonhAA9HZ_jj-U8sKj6vL4aBhhugsTTZz-d-9e46zF3bws8OluM
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84.	Mrs.V.Rekha,et,al.,	Privacy-Preserving Breast Cancer Classification: A Federated Transfer Learning Approach	Journal of Imaging Informatics in Medicine	SCI & Scopus	10.1007/s10278-024-01035-8
85.	Mrs.V.Rekha,et,al.,	Multimodal Representation of Depression and Anxiety Severity Prediction Using Adaptive Capsule Network with Electric Eel Foraging Optimization	Library Progress International	Scopus	https://www.scopus.com/authid/detail.uri?authorId=58584796400
86.	Mrs.C.M.Hilda Jerlin,et,al.,	Lucky edge geometric mean labeling of graphs and applications in electrical networks	Journal of Discrete Mathematical Sciences and Cryptography	Scopus	https://www.scopus.com/authid/detail.uri?authorId=58670617900