



KONERU LAKSHMAIAH EDUCATION FOUNDATION(K L E F)

Research & Development(R & D)

List of Scopus Publications

S.NO	Name of the Author/s	Article Title	Name of the Journal	Year	DOI	Link
1	Senbagavalli M.; Karpagalakshmi R.C.; Sumathi D.; Lenin J.; Prasad G.R.K.; Manikandan A.	A Novel Heart Disease Monitoring and Prediction Using Machine Learning Algorithm	Lecture Notes in Networks and Systems	2025	10.1007/978-981-97-5786-2_8	View Document
2	Lakshmanarao A.; Gopal N.; Vullam N.; Sridhar M.; Kanth M.K.; Rayudu U.M.	Lung cancer detection using hybrid integration of autoencoder feature extraction and ML techniques	Indonesian Journal of Electrical Engineering and Computer Science	2025	10.11591/ijeecs.v37.i1.pp416-424	View Document
4	Ramu K.; Patthi S.; Prajapati Y.N.; Ramesh J.V.N.; Banerjee S.; Rao K.B.V.B.; Alzahrani S.I.; ayyasamy R.	Hybrid CNN-SVM model for enhanced early detection of Chronic kidney disease	Biomedical Signal Processing and Control	2025	10.1016/j.bspc.2024.107084	View Document
5	Manohar A.; Suvarna T.; Chintagumpala K.; Ubaidullah M.; Mamede N.; Kim K.H.	Exploring progress in binary and ternary nanocomposites for photoelectrochemical water splitting: A comprehensive review	Coordination Chemistry Reviews	2025	10.1016/j.ccr.2024.216180	View Document
6	Vasanth B.; Pradeepini G.	Modelling a Dense Convolutional Model for Crop Yield Prediction Using Kernel Computation	Journal of Cybersecurity and Information Management	2025	10.54216/JCIM.150108	View Document
7	Suneetha N.; Satyanarayana P.	A Hybrid Intelligence-based Deep Learning Model with Reptile Search Algorithm for Effective Channel Estimation in massive MIMO Communication Systems	Journal of Cybersecurity and Information Management	2025	10.54216/JCIM.150116	View Document
8	Aoudni Y.; Balasubramani M.; Natarajan K.; Sabeenian R.S.; Sreenivasa Rao V.; Sesha Lakshmi P.N.S.	Advancing personalized human-robot interaction in the smart world through emotional AI in entertainment robots	Entertainment Computing	2025	10.1016/j.entcom.2024.100770	View Document

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11	Xiao W.; Fan X.; Wang Y.; Fang W.; Sun F.; Zhao J.; Wei X.; Li C.; Tao J.; Kumar S.	High-Q fano resonance metasurface sensor for refractive index and methane gas concentration measurement	Optics Communications	2025	10.1016/j.optcom.2024.131187	View Document
14	Kiran A.; Refonaa J.; Nabeel M.; Navaprakash N.; Reddy V.L.; Lalitha R.V.S.	Adaptive mixed reality robotic games for personalized consumer robot entertainment	Entertainment Computing	2025	10.1016/j.entcom.2024.100825	View Document
18	Sri Vidya K.; Sindhura M.; Poojitha K.; Sruthi Vennela K.; Raj Kumar C.; Pagadala P.K.	Machine Learning Approaches for Forecasting Individual Mental Wellbeing: A Comprehensive Study on Depression, Anxiety, Stress, and Loneliness	Lecture Notes in Electrical Engineering	2025	10.1007/978-981-97-8031-0_53	View Document
20	Poornima P.U.; Dhineshkumar K.; Kiran Kumar C.; Sumana S.; Rama Sundari M.V.; Sivaraman P.; Shuaib M.; Rajaram A.	Optimising rooftop photovoltaic adoption in urban landscapes: A system dynamics approach for sustainable energy transitions	Biomedical Signal Processing and Control	2025	10.1016/j.bspc.2024.107071	View Document
22	Poranki V.K.R.; Srinivasarao B.	SDRG-Net: Secure DR grading network for Real-Time decision support in IoMT environments	Biomedical Signal Processing and Control	2025	10.1016/j.bspc.2024.107040	View Document
24	Ashok K.; Anu P.; Rajheshwari K.C.; Lalitha R.V.S.; Kumar Tata R.; Kavitha A.	Interactive robots for personalised multimodal comedy experiments	Entertainment Computing	2025	10.1016/j.entcom.2024.100874	View Document
25	Manohar A.; Suvarna T.; Vattikuti S.V.P.; Goud J.P.; Ali Al-Asbahi B.; Qaid S.M.H.; Mamede N.; Kim K.H.	Investigating the potential of Mg _{0.5} Zn _x Cu _{0.5-x} Fe ₂ O ₄ nanoparticles for energy storage applications	Materials Science in Semiconductor Processing	2025	10.1016/j.mssp.2024.108897	View Document
31	Kanuri V.R.; Chandra Sekhar K.V.; Brahmanandam P.S.; Babu A.R.	Poiseuille Flow of the Suspension of Gold Nanoparticles in Second-grade Fluid: Analytical Solutions	CFD Letters	2025	10.37934/cfdl.17.2.148162	View Document

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32	Karthik A.; Kumar Sahoo S.; Kumar A.; Patel N.; Chinnaraj P.; Phaneendra Maguluri L.; shuaib M.; Rajaram A.	Unified approach for accurate brain tumor Multi-Classification and segmentation through fusion of advanced methodologies	Biomedical Signal Processing and Control	2025	10.1016/j.bspc.2024.106872	View Document
34	Sivakumar M.; Basariya A.R.R.; Senthil M.; Vetriselvi T.; Raja G.; Rajavarman R.	Transforming Arabic Text Analysis: Integrating Applied Linguistics with m-Polar Neutrosophic Set Mood Change and Depression on Social Media	International Journal of Neutrosophic Science	2025	10.54216/IJNS.250227	View Document
35	Karthik A.; Patthi S.; Maheswari B.U.; Devi J.S.; Pradhan A.K.; Balaji L.; Nallasivan G.; Rajaram A.	Advancing idiopathic pulmonary fibrosis prognosis through integrated CNN-LSTM predictive modeling and uncertainty quantification	Biomedical Signal Processing and Control	2025	10.1016/j.bspc.2024.106811	View Document
38	Nanthaamornphong A.; Gaur N.; Maguluri L.P.; Kumar A.	A phase factor generation using RNNs deep learning algorithm-based PTS method for PAPR reduction of beyond 5G FBMC waveform	Alexandria Engineering Journal	2025	10.1016/j.aej.2024.10.040	View Document
44	Devi S.A.; Gunta S.; Gutta S.A.; Kataru B.A.; Valeti G.	Attentional deep learning based efficient AGSDCLR unet model for gastrointestinal tract segmentation	Biomedical Signal Processing and Control	2025	10.1016/j.bspc.2024.106847	View Document
49	Kushwaha A.; Pandey T.K.; Kantha B.L.; Shukla P.K.; Kumar S.; Tiwari R.	Biometrics Applied to Forensics Exploring New Frontiers in Criminal Identification	Journal of Cybersecurity and Information Management	2025	10.54216/JCIM.150122	View Document
51	Manohari K.G.; Sravya S.; Nandini V.; Joy K.V.; Kumar C.R.; Pagadala P.K.	Mitigating Credit Card Fraud Through Behavior-Based Classification and Anomaly Elimination Using Support Vector Machine	Lecture Notes in Electrical Engineering	2025	10.1007/978-981-97-8031-0_51	View Document
53	Nyemeesha V.; Kavitha M.	Skin Lesion Classification using Deep Learning Methods	Fusion: Practice and Applications	2025	10.54216/FPA.170109	View Document

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55	Farooqui N.A.; Mishra A.K.; Ray K.; Mallik S.	Leaf Disease Segmentation Using Uunet++ Architecture	Lecture Notes in Networks and Systems	2025	10.1007/978-981-97-3937-0_52	View Document
56	Bollikonda V.B.; Kiran K.V.D.	Unveiling the Hidden: Exploring Challenges in Dark Web Investigation Using Measurement Sensors	Journal of Cybersecurity and Information Management	2025	10.54216/JCIM.150113	View Document
61	Ganesh Kumar G.; Kanakaprabha S.; Venu Gopal G.; Shaik R.; Senthil Kumar T.; Udhaya Kumar T.	Blockchain-Based Anomaly Detection and Intrusion Prevention in IoT Networks	Lecture Notes in Networks and Systems	2025	10.1007/978-981-97-5786-2_5	View Document
66	Ganesh Kumar G.; Kanakaprabha S.; Gopal G.V.; Shaik R.; Srija N.; Ashok K.	Blockchain-Based System for Virtual Power Plants: Enhancing Efficiency and Security in Operations and Transactions	Lecture Notes in Networks and Systems	2025	10.1007/978-981-97-5786-2_23	View Document
67	Nelavalli S.; Rammohanreddy D.; Neelima G.; Rao S.S.	BALANCING ENERGY EFFICIENCY WITH ROBUST SECURITY IN WIRELESS SENSOR NETWORKS USING DEEP REINFORCEMENT LEARNING-ENHANCED PARTICLE SWARM OPTIMIZATION	Telecommunications and Radio Engineering (English translation of Elektrosvyaz and Radiotekhnika)	2025	10.1615/TelecomRadEng.2024052934	View Document
69	Aggarwal K.; Jany Shabu S.L.; Humza Farooq Siddiqui M.; Shanmathi M.; Malathi M.; Murthy C.S.V.V.S.N.	A novel framework for entertainment robots in personalized elderly care using adaptive emotional resonance technologies	Entertainment Computing	2025	10.1016/j.entcom.2024.100796	View Document
70	Divya T.V.; Mohanty F.	A Hybrid Temporal Lambda Layer Embedded in Autoencoder Neural Network for Fake News Detection	Journal of Cybersecurity and Information Management	2025	10.54216/JCIM.150124	View Document
73	Gupta M.; Pandey S.K.; Pareek P.K.; Shukla P.K.; Aggarwal P.K.; Reddy P.V.	Efficient Routing and Lifetime Prolongation in IoT founded Wireless Sensor Network Performance with Bee Colony-Inspired Lifetime Enhancement	Journal of Intelligent Systems and Internet of Things	2025	10.54216/JISIoT.140117	View Document

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77	Jithin P.V.; Dhamodaran A.; Prajisha K.P.; Suman S.; Sankaran K.J.; Ramesh A.; K S.; Kurian J.	Structural and optical properties of Ce-stabilized tetragonal phase and intense blue emission of monoclinic phase in ZrO ₂ nanoparticles	Journal of Luminescence	2025	10.1016/j.jlumin.2024.120933	View Document
80	Inampudi P.K.; Perumal C.; Guntreddi V.R.; Muni T.V.	A Novel DC-DC Boost Converter with Coupled Inductors for High Gain and Smooth Switching	Journal of Advanced Research in Applied Sciences and Engineering Technology	2025	10.37934/araset.48.2.92104	View Document
82	Manohar A.; Suvarna T.; Prabhakar Vattikuti S.V.; Manivasagan P.; Jang E.-S.; Sudhani H.P.K.; Al-Enizi A.M.; Kumar A.; Sharma K.; Mamede N.; Kim K.H.	Structural, morphological, magnetic, electrochemical and biocompatible properties of ZnFe ₂ O ₄ /MgFe ₂ O ₄ /NiFe ₂ O ₄ /CeO ₂ nanocomposites	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2025	10.1016/j.colsurfa.2024.135667	View Document
84	Chandrika K.B.; Babu T.V.; Reddy M.V.S.; Prasanna J.L.; Kumar M.R.; Parvez M.M.; Santhosh C.	Determining Potability Based on Heavy Metal Ion Analysis of Water using Machine Learning	International Journal of Engineering, Transactions A: Basics	2025	10.5829/IJE.2025.38.01A.11	View Document
86	Pandey S.K.; Shukla P.K.; Pareek P.K.; Mahapatra C.; Aggarwal P.K.; Mamodiya U.	Comprehensive Analysis of Internet Security Protocols and Standards for Enhanced Network Safety	Journal of Cybersecurity and Information Management	2025	10.54216/JCIM.150126	View Document
87	Kalpana Chowdary M.; Gopatoti A.; Ferlin Deva Shahila D.; Chaturvedi A.; Talasila V.; Konda Babu A.	Entertainment robots for automatic detection and mitigation of cognitive impairment in elderly populations	Entertainment Computing	2025	10.1016/j.entcom.2024.100803	View Document
88	Kumar S.; Lalitha Kameswari Y.; Koteswara Rao S.; Moram V.; Shital S.	Neural Networks for Cloud-Based Industrial Internet of Things	Studies in Computational Intelligence	2025	10.1007/978-981-97-7494-4_3	View Document
90	Murugan A.; Rohit C.; Fatehmulla A.; Priya S.; Han S.S.; Babu S.; Bharathkumar S.; Mohan S.; Valdes H.	Harnessing the synergistic effect of CuO@Fe ₃ O ₄ /n-Si for high-efficiency photodiodes	Journal of Physics and Chemistry of Solids	2025	10.1016/j.jpcs.2024.112359	View Document

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94	Kumar K.; Rama Krishna V.; Govindaraj M.; Pawar V.; Sathyakala S.; Viswanathan R.	Characteristics determining customer's preferences for OTT video streaming: A multivariate analysis	Entertainment Computing	2025	10.1016/j.entcom.2024.100746	View Document
96	Kedarnath Navandar R.; Hamid Hasan S.; Jadhav N.; Udham Singh K.; Monisha R.; Venkatram N.	Modernizing sports an intelligent strategy for entertainment through internet of things in sports	Entertainment Computing	2025	10.1016/j.entcom.2024.100804	View Document
97	Kiranbabu M.N.V.; Jeraldine Viji A.; Chandanan A.K.; Birchha V.; Pandey T.K.; Sar S.K.	The Challenge of Adversarial Attacks on AI-Driven Cybersecurity Systems	Journal of Cybersecurity and Information Management	2025	10.54216/JCIM.150123	View Document
100	Reddy K.A.; Krishna K.S.; Battula B.P.; Rani B.U.; Srinivas P.V.V.S.	Wielding Neural Networks to Interpret Facial Emotions in Photographs with Fragmentary Occlusions	Fusion: Practice and Applications	2025	10.54216/FPA.170111	View Document