# 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 | Kantamaneni P.; Vetrithangam D.; Saisree M.M.; Shargunam S.; Kumar S.S.; Bekkanti A. | OPTIMIZED FUZZY C-MEANS (FCM) CLUSTERING FOR HIGH-PRECISION BRAIN IMAGE SEGMENTATION AND DIAGNOSIS USING DENSENET FEATURES | Journal of Theoretical and Applied Information Technology | 2023 | | SCOPUS Proof |
| 2 | Kumari M.; Puttagunta M.K.; Anisha J.; Gongada T.N.; Gulyamova D. | MULTIMODAL SIGNAL ANALYSIS FOR DEPRESSION AND ANXIETY PREDICTION: A HYBRID CNN-RNN APPROACH | Journal of Theoretical and Applied Information Technology | 2023 | | SCOPUS Proof |
| 3 | Gari S.C.S.; Rajesh K.V.D. | Advancements in Vehicle Technology by Development of Metal Matrix AZ91E Composites for Automotive Applications with Different Aspect Ratios using Upset Forging and Analysis on Evolution of Microstructure | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.7.03 | SCOPUS Proof |
| 4 | Vijayakumar T.; Kawade M.M.; Khan S.; Turaka S.K.; Sanaka M.K.; Shaik A.A. | Performance and Emission Characteristics of Mahua Biodiesel Blends with Di-Ethyl Ether as Diesel Fuel Replacement | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.6.27 | SCOPUS Proof |
| 5 | Prasanna Kumar T.J.; Surendra J.; Anusha P.; Prasad M.B.; Bandlamudi M.; Kumar K.P.; Pallikonda A.K. | ENGENDERING FINEST TEST CASES BY USING G-GENETIC ALGORITHM VARIANT SSGA | Journal of Theoretical and Applied Information Technology | 2023 | | SCOPUS Proof |
| 6 | Panicker S.S.; Jithesh K.; Sivaprasad P.V.; Sharma P.; Varghese V. | Spring Back Investigations in Aluminium and Stainless-Steel Sheets | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.6.16 | SCOPUS Proof |
| 7 | Bhadrakali A.S.; Sastry D.V.A.R.; Ramprabhu T.; Rao A.B.S. | Heat Treatment Effects on Wire and Arc Additive Manufactured ER308L Components | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.7.22 | SCOPUS Proof |
| 8 | Ramasastry D.V.A.; Ramana K.V.; Rao N.M. | Performance Analysis of a Half-car Suspension System of a Road Vehicle with Magnetorheological Damper | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.6.14 | SCOPUS Proof |
| 9 | Kalapala L. | Experimental Investigations on 4-Stroke Single Cylinder Diesel Engine with Diesel-Butanol Blends and Tetra Nitro Methane as Additive | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.7.01 | SCOPUS Proof |

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| 10 | Rambabu R.; Sridevi G.; Kruthiventi S.S.; Masthanvali P.S.N.; Borigorla V.; Kalyanamanohar V. | Effects of Compression Ratio on a Diesel Engine Powered by Tamarind Seed Biodiesel Blend | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.6.10 | SCOPUS Proof |
| 11 | Rao V.S.; Anjum A.; Mary S.S.C.; Aqeel I.; Koteswari S.; Khan S.A.; Rengarajan M. | ENERGY EXCHANGE PROCESS FOR SMART GRID BASED ON INTEGRATING BLOCKCHAIN WITH GCN-LSTM | Journal of Theoretical and Applied Information Technology | 2023 | | SCOPUS Proof |
| 12 | Pittala R.K.; Diwakar G.; Harshavardhan V.L.N.; Charan T.B.S.S.; Alisha M.A.; Naik K.K. | Forecasting Remaining Usable Life of Vehicle Bearings for Enhanced Production and Reduced Maintenance Costs | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.6.23 | SCOPUS Proof |
| 13 | Kruthiventi S.S.; Nandhanagopal G.R.; Rao Y.V.H.; Kumar P.K. | Influence of Wire Fin on the Performance of Heat Exchanger used in the Joule Thomson Refrigerator | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.7.02 | SCOPUS Proof |
| 14 | Santosh K.; Prakash P.R.; Abhang L.B.; Muda I.; Banerjee D.; Mary S.S.C.; Rengarajan M. | ANALYTIC HIERARCHY PROCESS-BASED EVALUATION APPROACH FOR DIGITAL TECHNOLOGY SERVICE MANAGEMENT | Journal of Theoretical and Applied Information Technology | 2023 | | SCOPUS Proof |
| 15 | Syed K.; Ali M.A.; Reddy K.P.K.; Rao B.N. | Analyzing the Influence of Tool Profile on Friction Stir Process with Taguchi Optimization and Tungsten Nano Powder | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.6.12 | SCOPUS Proof |
| 16 | Othayoth R.; Botlagunta M. | Development of a Hypodermic Needle-based Point-of-Care Device for the Detection of Vitamin-B12 and Vitamin-C from Cancer-Induced Sprague Dawley Rat Urine Samples | Biointerface Research in Applied Chemistry | 2023 | 10.33263/BRIAC136.569 | SCOPUS Proof |
| 17 | Anu P.; Renjith P.N.; Agarkar A.A.; Kousalya A.; Sonker A.; Gundu V. | Intelligent root cause detection in Industry 4.0: a secure cross-validation of blockchain architecture for product failure checker | Optical and Quantum Electronics | 2023 | 10.1007/s11082-023-05479-0 | SCOPUS Proof |
| 18 | Zewdie G.; Akalu M.; Tolossa W.; Belay H.; Deresse G.; Zekarias M.; Tesfaye Y. | A review of foot-and-mouth disease in Ethiopia: epidemiological aspects, economic implications, and control strategies | Virology Journal | 2023 | 10.1186/s12985-023-02263-0 | SCOPUS Proof |
| 19 | Tripathi S.K.; Patel R.; Agrawal D.; Adhikari M.S. | Performance Estimation and Application of Analog Device using 32 nm CNFET | Russian Microelectronics | 2023 | 10.1134/S1063739723700683 | SCOPUS Proof |
| 20 | Prasad D.; Anitha G.; Leo L.M.; Kumar A. | Theoretical analysis of earth-abundant solar cell based on green absorber CuFeO2 | Optical and Quantum Electronics | 2023 | 10.1007/s11082-023-05499-w | SCOPUS Proof |

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| 21 | Dahiya N.; Sharma Y.K.; Rani U.; Hussain S.; Nabilal K.V.; Mohan A.; Nuristani N. | Hyper-parameter tuned deep learning approach for effective human monkeypox disease detection | Scientific Reports | 2023 | 10.1038/s41598-023-43236-1 | SCOPUS Proof |
| 22 | Pagadala P.K.; Pinapatruni S.L.; Kumar C.R.; Katakam S.; Peri L.S.K.; Reddy D.A. | Enhancing Lung Cancer Detection from Lung CT Scan Using Image Processing and Deep Neural Networks | Revue d'Intelligence Artificielle | 2023 | 10.18280/ria.370624 | SCOPUS Proof |
| 23 | Roy A.; Razia S. | Design of a Novel Skin Lesion Predictor Model Using Hybrid Particle Swarm Optimization and Convolutional Neural Networks | International Journal of Reliability, Quality and Safety Engineering | 2023 | 10.1142/S0218539323500249 | SCOPUS Proof |
| 24 | Kumar N.; Nair A.S.; Soni K.; Shingare A.A.; Motghare V.M.; Rajput K.A.; Soni V.K.; Kumar A.; Jha A.K. | Characteristics of atmospheric boundary layer structure using monostatic SODAR system over Mumbai region | Journal of Earth System Science | 2023 | 10.1007/s12040-023-02191-1 | SCOPUS Proof |
| 25 | Chidella K.; Kumar J.V.S.; Cherukumalli P.K.R.; Jagannadha Reddy N.; Somaiah N.; varma Seelam N. | Design, synthesis and anticancer evaluation of chalcone incorporated 1,2,4-thiadiazole-oxazolo[4,5-b]pyridine derivatives | Chemical Data Collections | 2023 | 10.1016/j.cdc.2023.101080 | SCOPUS Proof |
| 26 | Padma S.V.; Mallesh M.P.; Munjam S.R.; Nisar K.S. | Time-Dependent MHD Free Convective Heat Circulation of Hybrid Nano Liquid over a Vertical Porous Plate Due to Temperature Oscillation with Thermal Radiation and Viscous Dissipation | Journal of Advanced Research in Fluid Mechanics and Thermal Sciences | 2023 | 10.37934/arfmts.111.2.6585 | SCOPUS Proof |
| 27 | Sreelatha T.; Maheswari M.; Ravi G.; Manikanda Devarajan N.; Arun M. | Efficient octagonal compression of multimedia data using using LZW-OMCA compressor for secured data transmission | Journal of Intelligent and Fuzzy Systems | 2023 | 10.3233/JIFS-234314 | SCOPUS Proof |
| 28 | Bhogireddy D.N.; Kotala M.B.; Aduri R.; Somaiah N.; Tadiboina B.R. | Design, synthesis and anticancer assessment of 1,2,3-triazole incorporated 1,3,4-oxadiazole-quinazoline derivatives | Chemical Data Collections | 2023 | 10.1016/j.cdc.2023.101073 | SCOPUS Proof |
| 29 | Pandiaraj S.; Krishnamoorthy R.; Ushasukhanya S.; Ramesh J.V.N.; Alsowail R.A.; Selvarajan S. | Optimization of IoT circuit for flexible optical network system with high speed utilization | Optical and Quantum Electronics | 2023 | 10.1007/s11082-023-05452-x | SCOPUS Proof |
| 30 | Dhatterwal J.S.; Kaswan K.S.; Rajbala; Grima S. | Learning in the digital era | Advanced Learning and Teaching in Higher Education in India: A Policy-technology-capacity Enabled Approach | 2023 | | SCOPUS Proof |
| 31 | Purushotham S.; Ramkumar G.; Kannan V.; Kumar A. | Simulation of thin insulating tunnel layer for Cu2ZnSnS4/CdS interface passivation | Physica Scripta | 2023 | 10.1088/1402-4896/ad0aea | SCOPUS Proof |

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| 32 | Kaswan K.S.; Dhatterwal J.S.; Baghela V.S.; Grima S. | A new era of ICT in the education system | Advanced Learning and Teaching in Higher Education in India: A Policy-technology-capacity Enabled Approach | 2023 | | SCOPUS Proof |
| 33 | Vedavathi N.; Venkatadri K.; Mozhi K.S.; Fazuruddin S.; Dharmaiah G.; Manjula D. | Numerical Analysis of Cu–H2O Nano-Fluid Natural Convection in a Trapezoidal Enclosure Filled Withporous Medium | International Journal of Applied and Computational Mathematics | 2023 | 10.1007/s40819-023-01602-7 | SCOPUS Proof |
| 34 | Kolachina S.; Sumanth S.; Godavarthi V.R.C.; Rayapudi P.K.; Rajest S.S.; Jalil N.A. | The role of talent management to accomplish its principal purpose in human resource management | Data-Driven Intelligent Business Sustainability | 2023 | 10.4018/979-8-3693-0049-7.ch019 | SCOPUS Proof |
| 35 | Sreenivasu S.V.N.; Patra P.S.K.; Midasala V.; Murthy G.S.N.; Janapati K.C.; Kumar J.N.V.R.S.; Kumar P.M. | ODQN-Net: Optimized Deep Q Neural Networks for Disease Prediction Through Tongue Image Analysis Using Remora Optimization Algorithm | Big Data | 2023 | 10.1089/big.2023.0014 | SCOPUS Proof |
| 36 | Prasanth D.S.N.B.K.; Bhavanam P.R.; Pasala P.K.; Panda S.P.; Achanti S.; Jash R.; Namratha J.R.; Sai Kiran B.S.; Sandeep K.; Ayesha Md.B.; Mokkapati P.; Chaganti P. | IN-SILICO STUDY OF CASSIA TORA LINN IN THE TREATMENT OF GAUCHER DISEASE: A SCIENTIFIC ETHNOMEDICAL STUDY | Bulletin of Pharmaceutical Sciences. Assiut | 2023 | 10.21608/BFSA.2023.327332 | SCOPUS Proof |
| 37 | Kolachina S.; Hundia L.; Mounishker K.; Venkatesh J.; Velmurugan P.R.; Obaid A.J. | An analysis of credit management and bank lending practices in developing countries | Data-Driven Decision Making for Long-Term Business Success | 2023 | 10.4018/979-8-3693-2193-5.ch019 | SCOPUS Proof |
| 38 | Krishnamurthy A.; Reddy D.V.; Radhamma E.; Jyothirmayee B.; Sreenivasa Rao D.; Agarwal V.; Balaji B. | Design and Performance Analysis of 6H-SiC Metal-Semiconductor Field-Effect Transistor with Undoped and Recessed Area under Gate in 10nm Technology | International Journal of Engineering Transactions C: Aspects | 2023 | 10.5829/ije.2023.36.12c.16 | SCOPUS Proof |
| 39 | Rani H.J.; Gupta R.; Dadhich A.; Gupta S.; Swetha G.; Kolluru D.V.; Subrahmanyam K. | Resource allocation with fuzzy logic based network optimization and security analysis in optical communication network | Optical and Quantum Electronics | 2023 | 10.1007/s11082-023-05576-0 | SCOPUS Proof |
| 40 | Tadepalli R.K.; Sastry D.V.A.R.; Rao K.N.; Rao C.S.P. | Comparison of Control Strategies in the Design of Semi-Active Secondary Suspension of a Railway Wagon | International Journal of Vehicle Structures and Systems | 2023 | 10.4273/ijvss.15.6.11 | SCOPUS Proof |
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| 43 | Ramesh J.V.N.; Patibandla P.R.; Shanbhog M.; Ambala S.; Ashraf M.; Kiran A. | Ensemble Deep Learning Approach for Turbidity Prediction of Dooskal Lake Using Remote Sensing Data | Remote Sensing in Earth Systems Sciences | 2023 | 10.1007/s41976-023-00098-5 | SCOPUS Proof |
| 44 | Kiran A.; Renjith P.N.; Gupta S.; Ambala S.; Raju P.S.; Sriramsetti D. | Distributed computing and big data techniques for efficient fault detection and data management in wireless networks | Optical and Quantum Electronics | 2023 | 10.1007/s11082-023-05502-4 | SCOPUS Proof |
| 45 | Rao M.V.G.; Ramanjaneyulu N.; Pydi B.; Soma U.; Babu K.R.; Prasad S.H. | Enhancing Performance of Dual-Gate FinFET with High-K Gate Dielectric Materials in 5 nm Technology: A Simulation Study | Transactions on Electrical and Electronic Materials | 2023 | 10.1007/s42341-023-00473-5 | SCOPUS Proof |
| 46 | Thatha V.N.; Mantena S.V.; LingaReddy C.S.R.; Chintamaneni P.; Pulugu R.; Desanamukula V.S. | Enhancing Privacy Protection in Online Federated Learning: A Method for Secure Face Image De-Identification Using a Modified Diffie-Hellman Algorithm | Mathematical Modelling of Engineering Problems | 2023 | 10.18280/mmep.100642 | SCOPUS Proof |
| 47 | Vesala G.T.; Ghali V.S.; Prasanthi Y.N.; Suresh B. | Parametric Study of Anomaly Detection Models for Defect Detection in Infrared Thermography | Russian Journal of Nondestructive Testing | 2023 | 10.1134/S1061830923600600 | SCOPUS Proof |
| 48 | Nagandla P.; Pokkunuri P.; Madhav B.T.P. | Graphene metasurface based broad band absorber for terahertz sensing applications | Measurement: Sensors | 2023 | 10.1016/j.measen.2023.100927 | SCOPUS Proof |
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| 50 | Bharathi R.V.; Raju M.K.; Shanmukhi P.S.V.; Kiran M.G.; Murali N.; Parajuli D.; Mammo T.W.; Samatha K. | Enhanced DC electrical resistivity and magnetic properties of transition metal cobalt substituted spinel MgFe2O4 ferrite system | Inorganic Chemistry Communications | 2023 | 10.1016/j.inoche.2023.111713 | SCOPUS Proof |
| 51 | Sathish T.; Ağbulut Ü.; Kumari V.; Rathinasabapathi G.; Karthikumar K.; Rama Jyothi N.; Ratna Kandavalli S.; Vijay Muni T.; Saravanan R. | Energy recovery from waste animal fats and detailed testing on combustion, performance, and emission analysis of IC engine fueled with their blends enriched with metal oxide nanoparticles | Energy | 2023 | 10.1016/j.energy.2023.129287 | SCOPUS Proof |

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| 53 | Mishra V.K.; Mendhe V.A.; Kamble A.D.; Pandey S.; Singh V.P.; Shukla P. | Significance of organo-mineralogical constituents on pore distribution, fractals and gas sorption mechanism of Permian shale beds in Korba sub-basin of the Son-Mahanadi Valley, India | Geoenergy Science and Engineering | 2023 | 10.1016/j.geoen.2023.212334 | SCOPUS Proof |
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| 63 | Vidhya R.; Banavath D.; Kayalvili S.; Naidu S.M.; Charles Prabu V.; Sugumar D.; Hemalatha R.; Vimal S.; Vidhya R.G. | Alzheimer's disease detection using residual neural network with LSTM hybrid deep learning models | Journal of Intelligent and Fuzzy Systems | 2023 | 10.3233/JIFS-235059 | SCOPUS Proof |
| 64 | Kumar N.R.; Seenivasan S.; Hemalatha P.; Prakash K.J.; Pitchandi P.; Sathiya R.D.; Girimurugan R. | Evaluating the influence of coir fibres on solar still efficiency and economic viability | E3S Web of Conferences | 2023 | 10.1051/e3sconf/202345502004 | SCOPUS Proof |
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| 70 | Jean de Dieu Nibigira; Ratnam D.V.; Sivakrishna K. | Performance Analysis of NeQuick-G, IRI-2016, IRI-Plas 2017 and AfriTEC Models over the African Region during the Geomagnetic Storm of March 2015 | Geomagnetism and Aeronomy | 2023 | 10.1134/S0016793223600601 | SCOPUS Proof |
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| 81 | Kumar Chilukuri S.; Narendra Raut A.; Kumar S.; Singh R.J.; Sakhare V. | Enhancing thermal performance and energy Efficiency: Optimal selection of steel slag crumb rubber blocks through Multi-Criteria decision Making | Construction and Building Materials | 2023 | 10.1016/j.conbuildmat.2023.134094 | SCOPUS Proof |
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