

3.4.3 Research papers per teacher

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		Is it listed in UGC Care list/Scopus/Web of Science/other, mention
						Link to website of the Journal	Link to article/paper/abstract of the article	
Enhancing efficiency in agriculture: densely connected convolutional neural network for smart farming			Springer Nature Link	June 2024	1863-1711	https://link.springer.com/	https://link.springer.com/article/10.1007/s11760-024-03330-x	Scopus
Enhanced Generalization Performance in Deep Learning for Monitoring Driver Distraction: A Systematic Review	Dr K Dinakaran	AI & DS	Journal of Advanced Research in Applied Sciences and Engineering Technology	Jul 2024	2462-1943	https://semarakilmu.com.my/journals/index.php/	https://semarakilmu.com.my/journals/index.php/applied_sciences_eng_tech/index	Web of Science
IoT-Enabled Advanced Foam Firefighting E-Vehicle			Springer Nature Link	Jan 2024	978-981-99-8135-9	https://link.springer.com/	https://link.springer.com/chapter/10.1007/978-981-99-8135-9_8	Scopus
Animal conservation applications for wildlife detection and classification using various machine learning algorithms	Mangaleswaran M	AI & DS	AIP Conference Proceedings	June 2024	1551-7616	https://pubs.aip.org/aip/acp	https://pubs.aip.org/aip/acp/article-abstract/3112/1/020028/3295725/Animal-conservation-applications-for-wildlife?redirectedFrom=fulltext	Scopus
Predictive Analytics for Proactive Maintenance in Industrial IoT Applications			IEEE Xplore	Feb 2024	979-8-3503-4061-7	https://ieeexplore.ieee.org/Xplore/home.jsp	https://ieeexplore.ieee.org/document/10394792	Scopus
An Effective Personality Recognition Model Design using Generative Artificial Intelligence based Learning Principles	Sevanthi P	AI & DS	IEEE Xplore	June 2024	979-8-3503-6534-4	https://ieeexplore.ieee.org/Xplore/home.jsp	https://ieeexplore.ieee.org/document/10560368	Scopus
Comprehensive design and analysis of a 300L steel fuel tank for heavy off-road vehicles: numerical and experimental insights	Shaik Nizmi	AI & DS	Frontiers in Mechanical Engineering	Feb 2024	2297-3079	https://www.frontiersin.org/journals/mechanical-engineering	https://www.frontiersin.org/journals/mechanical-engineering/articles/10.3389/fmech.2024.1360590/full	Web of Science
1.Deep Auto-Optimized Collaborative Learning (DACL) model for disease prognosis using AI-IoMT systems,2024	Dr.S.Koteeswaran	CSE(AIML)	IEEE	2024	2045-2322	A Deep Auto-Optimized Collaborative Learning (DACL) model for disease prognosis using AI-IoMT systems Scientific Reports	https://doi.org/10.1038/s41598-024-59846-2	SCOPUS
2.Accurate detection of melanoma skin cancer using fuzzy based SegNet model and normalized stacked LSTM network,2024	Dr.S.Koteeswaran	CSE(AIML)	IEEE	2024	2502-4752	https://ijeecs.iaescore.com/index.php/IJECS/article/view/36345	DOI: http://doi.org/10.11591/ijeecs.v35.i1.pp323-334	SCOPUS
3.Leather Image Quality Classification and Defect Detection System using Mask Region-based Convolution Neural Network Model, 2024	Dr.S.Koteeswaran	CSE(AIML)	IEEE	2024	2156-5570	https://thesai.org/Publications/ViewPaper?Volume=15&Issue=4&Code=IJACSA&SerialNo=55	DOI: 10.14569/IJACSA.2024.0150455	SCOPUS
Study on Book Recommendation System	Dr.S.Koteeswaran	CSE(AIML)	IEEE	2023	978-1-7281-8596-5	https://ieeexplore.ieee.org/document/9579647	DOI: 10.1109/ICCNT51525.2021.9579647	SCOPUS

Climate Resilience Enhancement,Air pollution Detects from Images UsingCNN	R.CREESY	CSE(AI ML)	IEEE	2024	1260-1263	https://link.springer.com/article/10.1007/s00500-023-08590-2	DOI https://doi.org/10.1007/s00500-023-08590-2	SCOPUS
Quantized Wavelet Dilated Convolution Neural Network Based Inyelligent Surveillance System for Public Safety in IoT Security Networks	R.SOWMYA	CSE(AI ML)	IEEE	2024	979-8-3315-4065-4	https://ieeexplore.ieee.org/document/10696471	DOI: 10.1109/ICoICI62503.2024.10696471	SCOPUS
. Experimental Evaluation of a Secured Phrase Searching Model using Cipher Principles over cloud computing platform	Ms.V.PRAVEENA	CSE(AI ML)	IEEE	2024	979-8-3315-4037-1	https://ieeexplore.ieee.org/abstract/document/107	DOI: 10.1109/ICSES63445.2024.10763283	SCOPUS
Maximizing cloud Security: Empirical Evaluation of a Efficient Identity Oriented Signature Verification Scheme for Wireless Networks	Ms.V.PRAVEENA	CSE(AI ML)	IEEE	2024	979-8-3503-7524-4	https://ieeexplore.ieee.org/document/10581121	DOI: 10.1109/ISCS61804.2024.10581121	SCOPUS
Virtual and Augmented Reality: Bridging the Digital and Physical Worlds for Immersive Experiences and Interactive Learning	Ms.V.PRAVEENA	CSE(AI ML)	IEEE	2024	979-8-3503-9533-4	https://ieeexplore.ieee.org/document/10692001	DOI: 10.1109/WCONF61366.2024.10692001	SCOPUS
Fuzzy Logic-Based Efficient Routing Protocol for Energy Sustainability in Wireless Sensor Networks	Ms.V.PRAVEENA	CSE(AI ML)	IEEE	2023	979-8-3503-4061-7	https://ieeexplore.ieee.org/abstract/document/103	DOI: 10.1109/ICECA58529.2023.10395467	SCOPUS
A Smart Face Biometric Verification Oriented Attendance Handling System Using Artificial Intelligence	Mr.S.Saravana Kumar	CIVIL	Proceedings of the 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2023, 2023	2023	979-8-3503-1921-7	https://drive.google.com/drive/folders/1BX058h4rZNBv9-YwVjvAcXRRPSWe3-PF?usp=drive_link	DOI: 10.1109/ICSES60034.2023.10465453	Scopus
Experimental Evaluation of Smart Credit Card Fraud Detection System using Intelligent Learning Scheme	Mr.S.Saravana Kumar	CIVIL		2023	979-8-3503-1921-7	https://drive.google.com/drive/folders/1BX058h4rZNBv9-YwVjvAcXRRPSWe3-PF?usp=drive_link	DOI: 10.1109/ICSES60034.2023.10465367	Scopus
Pixel Reduction of High-Resolution Image Using Principal Component Analysis	Mr.S.Saravana Kumar	CIVIL	Journal of the Indian Society of Remote Sensing	2024	0255-660X	https://drive.google.com/file/d/1HBL3ORR0OhXKZ8RO45U0gGInIR7unRm_/view?usp=drive_link	10.1007/s12524-024-01815-3	sci
ENHANCING RICE YIELDS IN RED SOIL THROUGH AZOTOBACTER CULTIVATION	Mr.G. Vinoth Kanna	CIVIL	Oxidation Communications	2023	0209-4541	https://scibulcom.net/en/article/J6VrM7fSP3Y6OwfbauEL	https://drive.google.com/file/d/1Cb1cl-9VtdAnN3JbftXVRXOIGlffw38X/view?usp=drive_link	Scopus

Enhanced Cybersecurity: Development and Evaluation of a Secure Data Sharing Paradigm Based on Blockchain Technology	Mrs.S N.ANANTHI	CSE	2024 First International Conference on Electronics, Communication and Signal Processing (ICECSP)	2024	979-8-3503-7538-1	https://ieeexplore.ieee.org/document/10698576	10.1109/ICECSP61809.2024.10698576	Scopus
Translation System for the Visually Impaired from English to Braille	Mrs.C.LAKSHMIPRIYA	CSE	2024 2nd World Conference on Communication and Computing, WCONF 2024, 2024	2024	979-8-3503-9533-4	https://ieeexplore.ieee.org/document/10692175	10.1109/WCONF61366.2024.10692175	Scopus
Meta-heuristics and machine learning applications in complex systems	Mrs.C.LAKSHMIPRIYA	CSE	Metaheuristic and Machine Learning Optimization Strategies for Complex Systems	2024	9.79837E+12	https://www.igi-global.com/chapter/meta-heuristics-and-machine-learning-applications-in-complex-systems/350934	10.4018/979-8-3693-7842-7.ch014	Scopus
2D Photonic Crystal Nano Biosensor with IoT Intelligence	Mrs.NRG SREEVANI	CSE	Internet of Things in Bioelectronics: Emerging Technologies and Applications-wiley publisher	2024	9.78139E+12	https://onlinelibrary.wiley.com/doi/10.1002/9781394241903.ch6	https://doi.org/10.1002/9781394241903.ch6	Scopus
Integrated photonic devices for cancer detection	Mrs.NRG SREEVANI	CSE	Advances in All-optical communication	2024	9.78075E+12	https://iopscience.iop.org/book/edit/978-0-7503-5623-7	https://doi.org/10.1088/978-0-7503-5623-7	Scopus
Emerging trends in edge AI for Industry 4.0 and 5.0: Technologies, applications, and challenges	Mrs.S.GAYATHRI	CSE	AI Innovations in Service and Tourism Marketing, 2024	2024	9.79837E+12	https://www.igi-global.com/chapter/emerging-trends-in-edge-ai-for-industry-40-and-50/352830	10.4018/979-8-3693-7909-7.ch010	Scopus
Enhancing Predictive Modeling in High Dimensional Data Using Hybrid Feature Selection	Mrs.S.GAYATHRI	CSE	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024 - Proceedings, 2024,	2024	979-8-3503-7995-2	https://ieeexplore.ieee.org/document/10690153	10.1109/ICESC60852.2024.10690153	Scopus
Enhancing Healthcare Data Security in the Cloud: Integrating ML-Based Intrusion Detection Systems	Mr.R.NITHYANANDAN	CSE	2nd World Conference on Communication and Computing, WCONF 2024	2024	979-83-503-9533-4	https://ieeexplore.ieee.org/document/10692289	10.1109/WCONF61366.2024.10692289	Scopus
Machine Learning Approaches for Liver Disease Prediction: A Comparative Analysis	Mr.R.NITHYANANDAN	CSE	5th International Conference on Electronics and Sustainable Communication Systems, ICESC 2024	2024	979-83-503-7995-2	https://ieeexplore.ieee.org/document/10689974	DOI: 10.1109/ICESC60852.2024.10689974	Scopus
Enhancing credit core Analysis: A Novel Approach with Randon Forest and Kernel SVM.	DR. ANTONIDOSS.A PROFESSOR	CSBS	The SSRG International Journal of Electronics and Communication Engineering, Volume10, Issue 11, 45-54, 1	30 th November 2023	2348-8549	https://www.internationaljournalsrsg.org/IJECE/paper-details?id=505	10.14445/23488549/IJECE-V10I11P105	Scopus
Privacy Preservation Using Network Coding Against Traffic Analysis in Wireless Network	DR. ANTONIDOSS.A PROFESSOR	CSBS	International Conference on Intelligence Science-Springer Nature Singapore PP 401-422	12 th April 2024	978-981-99-8975-1	https://link.springer.com/chapter/10.1007/978-981-99-8976-8_34	https://doi.org/10.1007/978-981-99-8976-8_34	Scopus
A Comprehensive Approach for Predicting Different Types of Retinal Detachment with ML Algorithms	DR. ANTONIDOSS.A PROFESSOR	CSBS	International Conference on Intelligence Science-Springer Nature Singapore pp 333-347	12 th April 2024	978-981-99-8975-1	https://link.springer.com/chapter/10.1007/978-981-99-8976-8_29	https://doi.org/10.1007/978-981-99-8976-8_29	Scopus

Optimizing Creditworthiness Assessment: Leveraging PCA and ESVM for Improved Credit Score Analysis	DR. ANTONIDOSS.A PROFESSOR	CSBS	2024 1st International Conference on Trends in Engineering Systems and Technologies (ICTEST)	03 July 2024				
					979-8-3503-0779-5	https://ieeexplore.ieee.org/document/10576158	DOI: 10.1109/ICTEST60614.2024.10576158	Scopus
Efficient task Scheduling in Apache Mesos using Hybrid Stochastic Gradient Descent Golden Eagle Optimised.(HSGD-GEO) Apache Aurora Framework.	MRS.G.ANITHA	CSBS	Presented paper in 2 nd International Conference on Knowledge Engineering and Communication Systems. IEEE Bangalore Section,	April 18 & 19 th 2024.				
					979-8-3503-5968-8	https://ieeexplore.ieee.org/document/10616765	DOI: 10.1109/ICKECS61492.2024.10616765	Scopus
Chaotic Leader Particle swarm optimization (CL-PSO) for efficient data storage in a cloud-based Hadoop distributed file system (HDFS)	MRS.B.SUNANTH A SRI	CSBS	2024 4th International Conference on Intelligent Technologies (CONIT)	21-23 June 2024	979-8-3503-4988-7	https://ieeexplore.ieee.org/document/10627079	DOI:10.1109/CONIT61985.2024.10627079	Scopus
Optimized Evolutionary Gravitational Neocognitron Neural Network for frequency reconfigurable antenna design	N.M. Shanthini B.R. Tapas Babu	ECE	International Journal of Electronics and Communications, Elsevier Publications	22 August 2023	1434-8411	https://www.sciencedirect.com/journal/aeu-international-journal-of-electronics-and-communications	https://doi.org/10.1016/j.aeue.2023.154867	Web of Science INDEXED https://doi.org/10.1016/j.aeue.2023.154867 CITATION -0
Energy Efficient Region based Source Distributed Routing Algorithm for Sink Mobility in Underwater Sensor Network	Shanmugam Pradeep B.R.Tapas Babu Radhika Rajendran Ramachandran Anitha	ECE	Expert Systems with Applications Volume 233, 15 December 2023, 120941 Elsevier Publications	15 Dec 2023	0957-4174	https://www.sciencedirect.com/journal/expert-systems-with-applications/about/aims-and-scope	https://doi.org/10.1016/j.eswa.2023.120941	(SCIE) https://doi.org/10.1016/j.eswa.2023.120941 CITATION - 2
Self-attention based generative adversarial network with Aquila optimization algorithm espoused energy aware cluster head selection inWSN	S. Soundararajan, B. R. Tapas Babu, S. Sargunavathi, I. Poonguzhali	ECE	International Journal of Communication systems Wiley Publications	18-December-2023	1074-5351	https://onlinelibrary.wiley.com/journal/10991131	https://doi.org/10.1002/dac.5690	Web of Science (SCIE) INDEXED https://doi.org/10.1002/dac.5690
Design of UWB MIMO antenna using lean wearable textile substrate for reduced SAR	Sasireka Perumalsamy Kavya G Rajkumar S	ECE	Microelectronics International ISSN: 1356-5362 Emerald Publishing	10/12/2023	1356-5362	https://www.emeraldgrouppublishing.com/journal/mi	10.1108/MI- 08-2023-0176	Web of Science (SCIE) DOI org/10.1108/MI- 08-2023-0176
Fabrication Model Design and Analysis of Flexible Polarization Surface Polariton Resonance with a Dual-Wing Antenna Structure Platform for Diverse Multiband Characteristics in the Measurement Environment	R. Thandaiiah Prabu M. Benisha P. Kalpana Devi R. Harikrishnan T. Gomathi Kandrapu Rajesh K T. D. Subha Ahmed Nabih Zaki R Shaik Hasane Ahammad M. Suman Md. Amzad Hossain	ECE	Plasmonics Springer Publications	12/12/2023	1557-1955	https://link.springer.com/journal/11468	https://doi.org/10.1007/s11468-023-02141-z	Web of Science (SCIE) https://doi.org/10.1007/s11468-023-02141-z

A Variance Difference Method for Determining Optimal Number of Clusters in Wireless Sensor Networks.	Girija, M. S Tapas Babu, B.R Magesh Babu, D Madhu, B	ECE	Adhoc & Sensor Wireless Networks, 2023, Vol 55, Issue 3/4, p321 ISSN 1551-899	16-December-2023	ISSN 1551-9899	https://www.oldcitypublishing.com/journals/ahsw-n-home/	10.32908/ahsw-n.v.55.9699	SCOPUS INDEXED DOI 10.32908/ahsw-n.v.55.9699
Correction: Performance study of crowd flow in academic buildings of an institution	C. Chellaswamy T. S. Geetha C. Subba Rao	ECE	CCF Transactions on Pervasive Computing and Interaction (2023) 5:447	21-November-2023	2524-521X	https://link.springer.com/journal/42486	SCOPUS INDEXED https://doi.org/10.1007/s42486-023-00134-9	SCOPUS INDEXED https://doi.org/10.1007/s42486-023-00134-9
Deep Learning Based Decision Support Framework for Dead Reckoning in Emergency Vehicle Preemption	C. Subba Rao C. Chetlaswamy T. S. Geetha S. Arul	ECE	International Journal of Intelligent Transportation Systems Research	9-January-2024	2319 - 7064	https://link.springer.com/journal/13177	SCOPUS INDEXED https://doi.org/10.1007/s13177-023-00384-y	SCOPUS INDEXED https://doi.org/10.1007/s13177-023-00384-y
Simulation of Native Oxide-Passivated CsSno.5Geo.513 Highly Stable Lead- Free Inorganic Perovskite Solar Cell	L. M. Merlin Livingston R. Thandaiah Prabu R. Radhika Atul Kumar	ECE	Physica Status Solidi Applied Research Wiley Publications	1-July-2023	1862-6300	https://onlinelibrary.wiley.com/journal/18626319	SCOPUS INDEXED DOI: 10.1002/pssa.202300227 CITATION-3	SCOPUS INDEXED DOI: 10.1002/pssa.202300227 CITATION-3
Underwater clustering based hybrid routing protocol using fuzzy ELM and hybrid ABC techniques	Sathish Kumar, P.J.Ponnuamy, Muruganatham Radhika, R. Dhurgadevi, M.	ECE	Journal of Intelligent & Fuzzy Systems, vol. 45, no. 1, pp. 831-843, 2023	2-July-2023	875-8967	https://www.iospress.com/catalog/journals/journal-of-intelligent-fuzzy-systems	SCOPUS INDEXED DOI: 10.3233/JIFS-230172	SCOPUS INDEXED DOI: 10.3233/JIFS-230172
The detection of phishing attempts in communications systems	T. Kalaichelvi Sulakshana B. Mane K.M. Dhanalakshmi S. Narasimha Prasad	ECE	International Journal of Electronic Security and Digital Forensics Volume 15 Issue 5 2023 pp 541-553	1-January-2023	1751-911X	https://www.inderscience.com/home.php?icode=ijesdf	SCOPUS INDEXED https://doi.org/10.1504/ijesdf.2023.133192	SCOPUS INDEXED https://doi.org/10.1504/ijesdf.2023.133192
High performance efficiency of optical networking infrastructure characteristics with maximum speed of commercial fiber optic line cables employment	Anitha Gopalan Kishore Kumar A Mohanjayaram, Jayakumar Thangaraj, Mandyam Venkatanatesh, Kanchana Rajendran, Omar Kareem Omran Md. Amzad Hossain	ECE	Journal of Optical Communications De Gruyter	26-December-2023	1943-0620	https://www.degruyter.com/journal/key/joc/html?lang=en&srslid=AfmBOoqzIzy4qRW_iEG_mxmfr5um-CJt20CdhbqWPZFo_nHTwPFvUBgL7	SCOPUS INDEXED https://doi.org/10.1515/joc-2023-0360	SCOPUS INDEXED https://doi.org/10.1515/joc-2023-0360
Monitor and detect suspicious online transactions	Swagata Sarkar R. Babitha Lincy P. Sasireka Sonam Mittal	ECE	International Journal of Electronic Security and Digital Forensics (IJESDF), Vol. 15, No. 6, 2023	6-October-2023	1751-911X	https://www.inderscience.com/home.php?icode=ijesdf	SCOPUS INDEXED DOI: 10.1504/IJESDF.2023.133967	SCOPUS INDEXED DOI: 10.1504/IJESDF.2023.133967
Ultra high reach optical fiber systems based on CW laser and VCSEL laser operation performance signature	R Thandaiah Prabu J Pon Gloria Jeyaraj, R Ashwini, Kavitha Balamurugan, R Vidhya Muthulakshmi, Anvar Jayanthi and Hazem Hazem Ali Emam	ECE	J. Opt. Commun. 2023; aop De gruyter	3-November-2023	1943-0620	https://www.degruyter.com/journal/key/joc/html?lang=en&srslid=AfmBOoqzIzy4qRW_iEG_mxmfr5um-CJt20CdhbqWPZFo_nHTwPFvUBgL7	SCOPUS INDEXED https://doi.org/10.1515/joc-2023-0293 CITATION -0	SCOPUS INDEXED https://doi.org/10.1515/joc-2023-0293 CITATION -0
An effective digital forensic paradigm for cloud computing criminal investigation	Ravi Kumar Kiran S. Kakade M. Priscilla B.V. Santhosh Krishna	ECE	International Journal of Electronic Security and Digital Forensics 2023 Vol.15 No.6 Inderscience Publishers	6-October-2023	1751-911X	https://www.inderscience.com/home.php?icode=ijesdf	SCOPUS INDEXED DOI: 10.1504/IJESDF.2023.133966	SCOPUS INDEXED DOI: 10.1504/IJESDF.2023.133966

Implementation of Deep CNN Model for the Detection of Plant Leaf Disease	Dr. S. Deepa Dr. J. Vijayanand Dr. K. Danesh Dr. M. Gomathi Dr. Kavitha Subramani	ECE	International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 9s	30-August-2023	2321-8169	https://ijritcc.org/index.php/ijritcc/article/view/7457	SCOPUS INDEXED DOI: https://doi.org/10.17762/ijritcc.v11i11.9s.7457	SCOPUS INDEXED DOI: https://doi.org/10.17762/ijritcc.v11i11.9s.7457
Utilising blockchain technology to provide safety for smart home networks	T. Senthil Kumar Leo John Baptist Andrews M. Madhini K. Hemalatha	ECE	International Journal of Electronic Security and Digital Forensics Volume 15 Issue 52023pp 532-540	1-March-2023	1751-911X	https://www.inderscience.com/home.php?icode=ijesdf	SCOPUS INDEXED https://doi.org/10.1504/ijesdf.2023.133193	SCOPUS INDEXED https://doi.org/10.1504/ijesdf.2023.133193
An original data encryption technique for communication networks	A. Rajasekar; A. Karunakaran C. Sivakumaran Sheshang Dipakkumar D	ECE	International Journal of Electronic Security and Digital Forensics 2024 Vol.16 No.1	12-January-2024	1751-911X	https://www.inderscience.com/home.php?icode=ijesdf	SCOPUS INDEXED DOI: 10.1504/IJE SDF.2024.136020	SCOPUS INDEXED DOI: 10.1504/IJE SDF.2024.136020
Identification of High Energy Gamma Particles from the Cherenkov Gamma Telescope Data using a Deep Learning Approach	Dr. S. SendilKumar	EEE	IEEE Access	2023	2169-3536	https://ieeexplore.ieee.org/document/10415380/authors#authors	10.1109/ACCESS.2024.3359533	SCIE
An Integrated Economic and Emissions Dispatch Problem using the Sparrow Search Algorithm	Dr. S. SendilKumar	EEE	SSRG International Journal of Electrical and Electronics Engineering	2023	2348-8379	https://www.internationaljournalssrg.org/IJEEE/paper-details?id=558	10.14445/23488379/IJEEE-V10I8P120	Scopus
Predictive Modeling of Power System Contingencies with SVMs and FACTS Devices for Enhanced Stability	Dr. S. SendilKumar	EEE	SSRG International Journal of Electrical and Electronics Engineering	2023	2348-8379	https://www.internationaljournalssrg.org/IJEEE/paper-details?id=570	10.14445/23488379/IJEEE-V10I9P111	Scopus
Creating a deep learning model using a Swin Transformer and tree growth optimisation to classify brain tumour	Dr. S. SendilKumar	EEE	Review of Computer Engineering Research	2023	2410-9142	https://www.archive.conscientiabeam.com/index.php/76/article/view/3500	10.18488/76.v10i3.3500	Scopus
Performance Analysis of Autoregressive Integrated Moving Average (ARIMA) and 'earlyR' Statistical Models for Predicting Epidemic Outbreaks: A Case Study on COVID-19 Data in India	Dr. S. SendilKumar	EEE	Trends In Sciences	2023	2774-0226	https://tis.wu.ac.th/index.php/tis/article/view/7246	10.48048/tis.2024.7246	Scopus
fMRI-Based Alzheimer's Disease Detection Using the SAS Method with Multi-Layer Perceptron Network	Dr.Umasankar.L	EEE	Brain Science	2023	2076-3425	https://www.mdpi.com/2076-3425/13/6/893	10.3390/brainsci13060893	SCIE
Novel and Optimized Efficient Transmission Using Dynamic Routing Technique for Underwater Acoustic Sensor Networks	Dr.S.Bhuvaneswari	EEE	Engineering Proceedings	2023	2673-4591	https://www.mdpi.com/2673-4591/59/1/89	10.3390/engproc2023059089	Scopus

Designing and Performance analysis of a concentrated solar power system in cold arid high DNI area	Dr. G. Muralikrishnan	EEE	International Journal of intelligent systems and applications in Engineering	2023	2147-6799	https://ijisae.org/index.php/IJISAE/article/view/3647	IJISAE/article/view/3647	Scopus
Predictive Modeling of Energy Consumption in the Steel Industry Using Cat Boost Regression: A Data-Driven Approach for Sustainable Energy Management	S. Sathya	EEE	International Journal of Robotics and Control Systems	2023	2775-2658	https://pubs2.ascee.org/index.php/IJRCS/article/view/1234	10.31763/ijrcs.v4i1.1234	Scopus
Machine learning applications for predicting system production in renewable energy	N. Rajavinu	EEE	International Journal of Power Electronics and Drive Systems	2024	2722-256X	https://ijpeds.iaescore.com/index.php/IJPEDS/article/view/23263	10.11591/ijpeds.v15.i3.pp1925-1933	Scopus
Machine learning algorithms-based decision support model for diabetes	T. Sathishkumar	EEE	Review of Computer Engineering	2023	2410-9142	https://archive.conscientiabeam.com/index.php/76/article/view/3598	10.18488/76.v11i1.3598	Scopus
Optimizing Electric Vehicle Battery Life: A machine learning Approach for sustainable Transportation	R. Priyanka	EEE	World Electric Vehicle Journal.	2023	2032-6653	https://www.mdpi.com/2032-6653/15/2/60	10.3390/wevj15020060	ESCI
Real-Time Anomaly Detection in IoT Networks Using Deep Learning over Wireless Channels	Dr.K.Selvi	MBA	SSRG International Journal of Electrical and Electronics Engineering	25 March 2024	ISSN: 2348-8379/	ISSN: 2348-8379/ https://doi.org/10.14445/23488379/IJEEE-V1113P128	https://www.internationaljournalsrg.org/IJEEE/2024/Volumel1-Issue3/IJEEE-V1113P128.pdf	Scopus
Digital signature and public key cryptography for enhancing node authentication in WSN	Mrs.V.Sujatha	MCA	Journal of Physics	3/27/2023	978-1-6654-6217-4	https://ieeexplore.ieee.org/document/10073784	https://ieeexplore.ieee.org/document/10073784	others
Network Intrusion Detection using Deep Reinforcement Learning	V.Sujatha	MCA	IEEE Xplore	4/4/2023	978-1-6654-6409-3	https://ieeexplore.ieee.org/document/10083673	https://ieeexplore.ieee.org/document/10083673	SCOPUS
An Improved Network Segmentation Performance in Lesion Segmentation based on Mask R-CNN	N.Juliet	MCA	IEEE Xplore Part Number: CFP22J88-ART; ISBN: 978-1-6654-8271-4	1/16/2023	978-1-6654-8272-1	https://ieeexplore.ieee.org/abstract/document/10009339	https://scholar.google.co.in/scholar?q=An+Improved+Network+Segmentation+Performance+in+Lesion+Segmentation+based+on+Mask+R-CNN&hl=en&as_sdt=0&as_vis=1&oi=scholar	SCOPUS
Maximum Energy Productivity for Concurrent Wireless Data and Power Shifting Enabled IoT Network with Energy Coordination	R.Sankar	MCA	IEEE	4/3/2023	979-8-3503-3437-1	https://ieeexplore.ieee.org/document/10084337	https://ieeexplore.ieee.org/document/10084337	SCOPUS
Medium Access Control Scheduling Policy Performance Evaluation in Wireless Networks	K.Malathy	MCA	IEEE	4/3/2023	979-8-3503-3435-7	https://ieeexplore.ieee.org/document/10083659	https://ieeexplore.ieee.org/document/10083659	SCOPUS

AdvancedN model based machine learning technique for early stage prediction of ankylosing spondylitis under timely analysis with featured textures	Mrs.V.Sujatha	MCA	Multimedia Tools and Applications	1/27/2024	1380-7501	https://link.springer.com/article/10.1007/s11042-024-18236-6	https://link.springer.com/article/10.1007/s11042-024-18236-6	Sci-Springer
A Robust Design of Fault Nodes Identification and Recovery Model Over Wireless Sensor Network	Mrs.V.Sujatha	MCA	IEEE-9th International Conference on Science, Technology, Engineering and Mathematics. The Role of Emerging Technologies in Digital Transformation, ICONSTEM2024	4/28/2024	979-8-3503-6510-8	https://ieeexplore.ieee.org/document/10568749	10.1109/ICONSTEM60960.2024.10568749	Scopus
Illuminating the Future: A Smart Street Light Controlling and Monitoring System Using Internet of Things Enabled Smart Sensors	Mrs.V.Sujatha	MCA	IEEE-9th International Conference on Science, Technology, Engineering and Mathematics. The Role of Emerging Technologies in Digital Transformation, ICONSTEM2025	April 2024 Conf 28 June 2024	979-8-3503-6510-8	https://ieeexplore.ieee.org/document/10568747	https://ieeexplore.ieee.org/document/10568747	Scopus
Human Stress Detection in and Through Sleep Patterns Using Machine Learning Algorithms	Mrs.V.Sujatha	MCA	Journal of The Institution of Engineers (India): Series B, 2024	5/25/2024	2250-2114	https://link.springer.com/article/10.1007/s40031-024-01079-y	https://link.springer.com/article/10.1007/s40031-024-01079-y	SCI
Empowering Safety: Designing of an IoT based Women Protective System using Artificial Intelligence enabled Smart Sensors	N.Juliet	MCA	Proceedings-3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024	May 2024 Conf 25 July 2024	979-8-3503-8943-2	https://ieeexplore.ieee.org/document/10601812	https://www.smartquantai.com/scholar/1228822xs.html	Scopus
An Enhanced Prediction Logic to Forecast Bitcoin Price Variations Using Elevated Machine Learning Principles	N.Juliet	MCA	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024	April 2024 Conf 28 June 2024	979-8-3503-6510-8	https://ieeexplore.ieee.org/document/10568622	https://ieeexplore.ieee.org/document/10568622	Scopus
An Improved Digital Image Processing Based Driver Sleep Identification and Alert System Using Internet of Things with Smart Sensors Association	N.Juliet	MCA	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2025	April 2024 Conf 28 June 2024	979-8-3503-6510-8	https://ieeexplore.ieee.org/document/10568610	DOI: 10.1109/ICONSTEM60960.2024.10568610	Scopus
Cybersecurity Enabled Improved BigData Privacy Management Measures to Preserve Information With Privacy Concerns	Mr.R.Sankar	MCA	Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2026	April 2024 Conf 28 June 2024	979-8-3503-6510-8	https://ieeexplore.ieee.org/document/10568845	10.1109/ICONSTEM60960.2024.10568845	Scopus

Intelligent Fabrication of IoT Assisted Smart Voice based Wheelchair Controlling System for Physically Challenged people	Mr.R.Sankar	MCA	Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics ,ACCAI 2024	May 2024 Conf. 25 JULY 2024	979-8-3503-8943-2	https://ieeexplore.ieee.org/document/10601877	https://ieeexplore.ieee.org/document/10601877	Scopus
A Distinctive Explainable Deep Learning Framework to Predict Pulmonary Function at Chest CT Scan	Mrs.R.Anitha	MCA	2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence	1/3/2024	979-8-3503-4280-2	https://ieeexplore.ieee.org	https://ieeexplore.ieee.org/document/10370935?denied=	SCOPUS
A Real-Time Road Surface Identification and Tracking Based on Raspberry PI Assisted IoT Enabled Image Processing Scheme	Mrs.K.Malathy	MCA	IEEE-9TH International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024	6/28/2024	979-8-3503-6509-2	https://ieeexplore.ieee.org	https://ieeexplore.ieee.org/document/10568900	SCOPUS
An Improved Drug Recommendation System Using Artificial Intelligence Assisted Learning Methodology	Mrs.K.Malathy	MCA	IEEE-3rd International Conference on Advances in Computing, Communication and Applied Informatics. ACCAI 2024	7/25/2024	979-8-3503-8943-2	https://ieeexplore.ieee.org	https://ieeexplore.ieee.org/document/10602473	SCOPUS
A Robust Design of Artificial Intelligence Assisted Learning based Cardiovascular Disease Detection using Improved Neural Classification Logic	R.Rajeshwari	MCA	IEEE-Proceedings-3rd International Conference on Advances in Computing, Communication and	7/25/2024	979-8-3503-8943-2	https://ieeexplore.ieee.org	https://ieeexplore.ieee.org/document/10602080	SCOPUS
Design and Development of a Novel Sensor Assisted Vehicle Count Prediction Using Modulated Deep Learning Principles	R.Rajeshwari	MCA	IEEE-Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024,	6/28/2024	979-8-3503-6510-8	https://www.researchgate.net/publication	https://www.researchgate.net/publication/381818116_Design_and_Development_of_a_Novel_Sensor_Assisted_Vehicle_Count_Prediction_Using_Modulated_Deep_Learning_Principles	SCOPUS
Robust Methodology Design to Detect Anomalies Over Wireless Sensor Networks Using Predictive Learning Strategy	R.Rajeshwari	MCA	IEEE-Proceedings of 9th International Conference on Science, Technology, Engineering and Mathematics: The Role of Emerging Technologies in Digital Transformation, ICONSTEM 2024,	6/28/2024	979-8-3503-6510-8	https://www.researchgate.net/publication	https://www.researchgate.net/publication/381818116_Design_and_Development_of_a_Novel_Sensor_Assisted_Vehicle_Count_Prediction_Using_Modulated_Deep_Learning_Principles	SCOPUS
Blockchain-based Lightweight Authentication Approach for a Multiple Wireless Sensor Network	Dr. R.Anitha	MCA	IETE Journal of Research, 2024, 70(2), pp. 1480-1494	2024	0377-2063	https://www.tandfonline.com	https://www.tandfonline.com/doi/full/10.1080/03772063.2022.2154710#:~:text=As%20per%20the%20mode%20identity.they%20are%20placed%20after%20authentication.	SCOPUS
A Secured Framework Model to Design Electronic Voting System using BlockChain Methodology	Dr. R.Anitha	MCA	Proceedings of the 2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES	19th March 2024	978-1-6654-5835-1	https://ieeexplore.ieee.org	https://ieeexplore.ieee.org/document/9936073	SCOPUS

Electronic, nano-dielectric, mass and fluorescence spectral characterizations of 2-amino 4-methyl pyridinium fumarate novel crystals for use in optoelectronics and electronic displays	Dr.R. Hariharasuthan	CHEMISTRY	J Mater Sci: Mater Electron SCI	March 2023 Indexed	0957-4522	https://link.springer.com/journal/10854	https://doi.org/10.1007/s10854-023-10158-7	SCI
Characterizations of AMPF Micro-Crystals for Photonic, Dielectric, Nano-Influx and Anti-diabetic Relevance	Dr.R. Hariharasuthan	CHEMISTRY	ACTA PHYSICA POLONICA A SCI	April 2023 Indexed	ISSN (print) 0587-4246 ISSN (online) 1898-794X	http://przvrbyn.icm.edu.pl/APP/apphome.html	10.12693/APhysPolA.143.309	SCI
Effect of Shocked Impact of 50 Scaling on the Structural, Morphological, Optical, and Electrical Properties of MMTC Crystals for Correlated Sensor, Photonic, and Piezoelectric Functionalities	Dr.R. Hariharasuthan	CHEMISTRY	Journal of Electronic Materials I.F: 2.2	04 July 2024 SCIE Author Position: 3(7)	0361-5235	https://link.springer.com/journal/11664	https://doi.org/10.1007/s11664-024-11273-9 Indexed	SCIE
Synthesis, Studies of Inorganic Class of Mohrite (MOH) Crystals for Electrical, Electronic, Photonic, Phase Matching and Sensor Utilities by Theory and Practice	Dr.R. Hariharasuthan	CHEMISTRY	ECS Journal of Solid State Science and Technology Vol 13 no. 07 p.7009 I.F - 1.8	29 July 2024 SCIE Author Position: 2(7)	2162-8769	https://iopscience.iop.org/journal/2162-8777	DOI-10.1149/2162-8777/ad6505 Indexed	SCIE
Synthesis, Studies of Shocked Pulse of 50 Scale on 100 Gy Irradiated Zinc Acetate Crystals for Photonic, NLO, Phase-Matching and Electronic Utilities	Dr.R. Hariharasuthan	CHEMISTRY	ECS Journal of Solid State Science and Technology 2024, 13(8), 4005 I.F - 1.8	27 August 2024 SCIE Author Position: 3(7)	2162-8769	https://iopscience.iop.org/journal/2162-8777	DOI:10.1149/2162-8777/ad6f42 Indexed	SCIE
Growth, Characterizations of Oxalic Acid Di-Hydrate Crystals of Pure, Milled, Shocked Impact of 50 Scaling for Electronic, Photonic, Display and Sensor Usefulness by Theory and Practice	Dr.R. Hariharasuthan	CHEMISTRY	ECS Journal of Solid State Science and Technology 2024, 13 (8), 7007 I.F - 1.8	August 30, 2024. SCIE Author Position: 2(4)	2162-8769	https://iopscience.iop.org/journal/2162-8777	DOI:10.1149/2162-8777/ad71f0 Indexed	SCIE
Synthesis, Studies of HDTDHP- μ Crystals from Arundina graminifolia Specimen for Electronic, Photonic, Optical and Electrical Use Correlated with M acro-Crystals for Sensor and Display Uses	Dr.R. Hariharasuthan	CHEMISTRY	ECS Journal of Solid State Science and Technology, 2024, 13(9), 097005 I.F - 1.8	26 September 2024 SCIE Author Position: 2(4)	2162-8769	https://iopscience.iop.org/journal/2162-8777	DOI : 0.1149/2162-8777/ ad7beb Indexed	SCI

Detection of Disease in Apple Plant using its Images of Leaf Through KNN and Support Vector Machine	Dr G.S. Gayathri	CHEMISTRY	2nd International Conference on Automation, Computing and Renewable Systems Scopus Conference	February 2024 Indexed	1803-7232.	https://ieeexplore.ieee.org/Xplore/home.jsp	https://doi.org/10.1109/ICACRS58579.2023.10405324	SCOPUS CONFERENCE
In vitro corrosion behavior, mechanical properties of nano biocomposite coated 316L SS for dental applications	Ms.S.Suja	CHEMISTRY	Bulgarian Chemical Communications, Volume 55, Issue 1 (pp. 13-20) 2023 Scopus	March 2024 Indexed	0324-1130	http://www.bcc.bas.bg/	10.34049/bcc.55.1.5402	SCOPUS
Investigations on the synthesis and growth and structural, spectral, optical, mechanical and thermal properties of non-linear optical single crystals of Bis-L Seriniumoxalate Dihydrate (BLSOD)	R. Raja	Physics	Journal Of Ovonic Research	Jan 2023	1584-9953	https://chalcogen.ro/index.php/journals/journal-of-ovonic-research	https://doi.org/10.15251/JOR.2023.191.43	SCIE
Synthesis, Quantum computational Analysis and Molecular Docking of 3- (2- Hydroxyphenyl)-1- Phenyl Propane: A combined experimental and theoretical analysis	Dr. R.Kumutha	Physics	Polycyclic aromatic compounds	Jan 2023	1563-5333	https://www.tandfonline.com/loi/gpol20	https://doi.org/10.1080/10406638.2022.2157025	SCIE
Study of optical, thermal, mechanical, dielectric and nonlinear optical study on nonlinear optical material Bis-(L-Tyrosinato) Cupric acetate single crystals for optoelectronics application	R. Raja	Physics	Journal of Nonlinear Optical Physics & Materials	July 2023	1793-6624	https://www.worldscientific.com/worldscinet/jn-opm	https://doi.org/10.1142/S0218863523400106	SCIE
Synthesis, growth, optical, thermal, mechanical, and dielectric studies on nonlinear optical material: L-Citrulline hydrochloride single crystals for photonic applications	R. Raja	Physics	Journal of materials science: Materials in Electronics.	November 2023	1573-482X	https://mjil.clarivate.com/journal-profile	http://dx.doi.org/10.1007/s10854-023-11539-8	SCIE
Synthesis, Quantum Computational Analysis and Molecular Docking of 3-(2-Hydroxyphenyl)-1Phenyl Propanone: A Combined Experimental and Theoretical Analysis	Dr. R.Kumutha	Physics	Polycyclic Aromatic Compounds	2023, 43(10), pp. 8903-8932	1563-5333	https://www.tandfonline.com/loi/gpol20	https://doi.org/10.1080/10406638.2022.2157025	SCIE
Molecular structure, electronic properties, spectroscopic, quantum computational studies of 1-(4-hydroxy-3methoxyphenyl)ethanone effective anticancer medicine	Dr. R.Kumutha	Physics	Spectroscopy Letters	2023	1532-2289	https://www.tandfonline.com/loi/lstl20	https://doi.org/10.1080/00387010.2023.2287108	SCIE

A Triple Boost SevenLevel Common Ground Transformerless Inverter Topology for GridConnected Photovoltaic Applications	Dr. R.Kumutha	Physics	Energies	April 2023, 16(8), 3428	1996-1073	https://www.mdpi.com/journal/energies	https://doi.org/10.3390/e16083428	SCIE
In Silico Studies on the Molecular Geometry, FMO, Mulliken Charges, MESP, ADME and Molecular Docking Prediction of Pyrogallol Carboxaldehydes as Potential Anti-tumour Agents	Dr C Senthamil Selvi	Physics	Physical Chemistry research	Vol. 12, No. 2, P.No.305-320, June 2024	2345-2625	https://www.physchemres.org/	DOI: 10.22036/PCR.2023.402.835.2359	ESCI
Antimicrobial activity of Cobalt doped Cerium Oxide (Co-CeO2) nanoparticles against selected food pathogens	Dr C Senthamil Selvi	Physics	International Research Journal of Multidisciplinary Technovation	Vol. 5(4) 27-36 27, 2023	2582-1040	https://journals.asianresassoc.org/index.php/irjmt/article/view/1331	https://doi.org/10.54392/irjmt2344	scopus
Defected Mediated magnetism in Pr/TiO2 Reduced Graphene oxide nanocomposites	Dr M Muralidharan	Physics	Surfaces and Interfaces	Vol.44 (2024)	2468-0230	https://www.sciencedirect.com/journal/surfaces-and-interfaces/articles-in-press	https://newsletter.xmol.com/paperRedirect/1720639414227193856	SCIE
Fabrication of polythiophene/graphitic carbon nitride/V2O5 nanocomposite for highperformance supercapacitor electrode	Dr. R. Ganesan	Physics	Materials Science & Engineering B	300 (2024) 117101	0921-5107	https://www.sciencedirect.com/science/article/abs/pii/S0921510723008437?via%3Dihub	https://doi.org/10.1016/j.mseb.2023.117101	SCOPUS
Investigating the thermo-physical properties of a new kind of graphitic carbon nitride included ternary hybrid nanofluids and the property correlations	A. Chandravadhana	Physics	Heliyon	February 2024	2405-8440	https://www.cell.com/heliyon/about	https://doi.org/10.1016/j.heliyon.2024.e26163	SCIE
A Transparent Hybrid Deep Learning Framework to Assess German Measles Disease in Skin Images	A. Chandravadhana	Physics	IEEE Explore	January 2024	979-8-3503-4279-6	https://ieeexplore.ieee.org/document/10370788	IEEE DOI: 10.1109/ICAEECI58247.2023.10370788	Scopus
Optical, magnetic and defect studies of Ni2+ doped SrSnO3 nanostructures	Dr M Muralidharan	Physics	Ceramics International	January 2024	1873-3956	https://www.sciencedirect.com/browse/journals-and-books#description	https://doi.org/10.1016/j.ceramint.2024.01.191	SCI
The investigation of optical, thermal, mechanical and dielectric studies on non-linear optical single crystal: N-phthaloylphenylalanine (NPLP)	Dr R. Raja	Physics	Optical and Quantum Electronics	January 2024	1572-817X	https://link.springer.com/journal/11082	https://doi.org/10.1007/s11082-024-06350-6	SCIE
Synthesis, Structural, and Optical Properties of 2-(2-methyl 8-hydroxyquinoline) Magnesium Nanorods for Optical Display Systems	Dr. P. Divya	Physics	Journal of Fluorescence	April 2024	1573-4994	https://mjf.clarivate.com/journal-profile	https://doi.org/10.1007/s10895-024-03724-7	SCIE

LIFE TIME PREDICTION OF AN ELECTROMAGNET RELAY USING CLUSTERING BASED PRINCIPAL COMPONENT ANALYSIS WITH HYBRID DEEP LEARNING MODEL	Dr C. Reeda Lenus	Physics	Journal of Applied Engineering and Technological Science	Vol 6(1) 2024: 715-729	2715-6087	https://journal.vrpiipku.com/index.php/jaets/article/view/5891	https://doi.org/10.37385/jaets.v6i1.5891	scopus
Graphitic carbon nitride sheets sandwiched metal oxides: A novel platform for S-Scheme heterojunction generation for efficient photodegradation of volatile organics	Dr A. Chandravadhana	Physics	Colloids and Surfaces A: Physicochemical and Engineering Aspects	698 (2024) 134515	1873-4359	https://www.sciencedirect.com/browse/journals-and-books#description	www.elsevier.com/locate/colsurfa	SCIE
Facile modification of TiO2 as S-Scheme multifunctional materials for environmental protection and energy-storage applications	Dr A. Chandravadhana	Physics	Surfaces and Interfaces	Surfaces and Interfaces 55 (2024) 105298	2468-0230	https://www.sciencedirect.com/journal/surfaces-and-interfaces/articles-in-press	www.sciencedirect.com/journal/surfaces-and-interfaces	SCIE
A high-performance boron nitride nanocomposite coating with enhanced anticorrosion and flame retardant properties for aerospace applications	Dr. R. Ganesan	Physics	Flat Chem	FlatChem 48 (2024) 100771	2452-2627	https://www.sciencedirect.com/science/article/abs/pii/S245226272400165X?via%3Dihub	https://doi.org/10.1016/j.flatc.2024.100771	Scopus
Estimated time dispersion and delay through free space optics transceiver communications performance signature in the presence of adverse atmospheric conditions	Dr. R. Kumutha	Physics	J Opt	August 2024	0972-8821	https://link.springer.com/article/10.1007/s12596-024-02190-5	https://doi.org/10.1007/s12596-024-02190-5	scopus
Investigations on synthesis, growth and characterisations of a NLO material: L-Tryptophan phosphite (LTP)	Dr R. Raja	Physics	Journal of Ovonic Research	June 2024	1584-9953	https://chalcogen.ro/index.php/journals/journal-of-ovonic-research	https://doi.org/10.15251/JOR.2024.203.325	SCIE
Growth and study of physiochemical properties of the grown NLO single crystal l-valine methyl ester hydrochloride for optoelectronic applications	Dr R. Raja	Physics	Journal of Materials Science: Materials in Electronics.	June 2024	1573-482X	https://link.springer.com/journal/10854	https://doi.org/10.1007/s10854-024-13025-1	SCI
Improved Moth Flame Optimization with Deep Convolutional Neural Network for Colorectal Cancer Classification using Biomedical Images	Dr. R. Kumutha	Physics	ICAIT-2024	2024 Second International Conference on Advances in Information Technology	979-8-3503-8387-4	https://ieeexplore.ieee.org/document/10690510	DOI: 10.1109/ICAIT61638.2024.10690510	scopus

Innovative nanocomposite coating for aluminum alloy: superior corrosion resistance, flame retardancy, and mechanical strength for aerospace applications	Dr. R. Ganesan	Physics	Journal of material science	June 2024	1573-4803	https://mil.clarivate.com/journal-profile	https://doi.org/10.1007/s10853-024-09919-4	SCI
Modified Adhoc On-Demand Distance Vector for Trust Evaluation And AttackDetection	Dr. Ahmed Mudassar Ali	IT	Intelligent Automation & Soft Computing	Jan 2023	1079-8587	https://www.techscience.com/iase/v36n2/51099	DOI: 10.32604/iase.2023.025752	scopus
Hybrid Archimedes Sine Cosine optimization enabled Deep Learning for multilevel brain tumour classification using MRI images	Dr. M. Geetha	IT	Biomedical Signal Processing and Control	20 September 2023	1746-8108	https://www.sciencedirect.com/science/article/pii	https://doi.org/10.1016/j.bspc.2023.105419	SCIE
A-MKMC: An effective adaptive-based multilevel K-means clustering with optimal centroid selection using 3.hybrid heuristic approach for handling the incomplete data	Mrs Hima Vijayan	IT	Data & Knowledge Engineering Volume 150, 102243	22 November 2023	1872-6933	https://www.sciencedirect.com/science/article/pii	https://doi.org/10.1016/j.datak.2023.102243	SCIE
Dynamic Provisioning of Virtual Machine Using Optimized Bit Matrix Load Distribution in Federated Cloud'	Mrs. A.M Sermakani	IT	Journal of Intelligent & Fuzzy Systems	02 December 2023	1875-8967	https://content.iospress.com/journals/journal-of-	DOI: 10.3233/JIFS-232897	SCIE
Learning Approaches for Security and Privacy in Internet of Things	Dr. M. Geetha	IT	Modern Approaches in IoT and Machine Learning for Cyber Security. Internet of Things. Springer Print ISBN978-3-031-09954-0	08 December 2023	978-3-031-09955-7	https://link.springer.com/chapter/10.1007/978-3-	https://doi.org/10.1007/978-3-031-09955-7_4	scopus
Optimised Routing Protocol In Wireless Sensor Networks For Natural Disaster Avoidance And Environmental Protection	Mrs. D Chithra	IT	Journal of Environmental Protection and Ecology	2023	1311-5065	https://scibulcom.net/en/article/zZkKJ8939FdCWddq5n		scopus
Analysis of Wireless Internet of Things to Medical Health Care Patient Applications	S. Krishnaveni	IT	2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECT)	2023	979-8-3503-4279-6	https://ieeexplore.ieee.org/document/10370890	doi: 10.1109/ICAEECT58247.2023.10370890	scopus
Quantum-Resistant Wireless Intrusion Detection System using Machine Learning Techniques	Mrs. A.M Sermakani	IT	2023 7th International Conference On Computing, Communication, Control And Automation (ICCUBEA)	22 January 2024	2771-1358	https://ieeexplore.ieee.org/document/10392127	DOI: 10.1109/ICCUBEA58933.2023.10392127	scopus
Multimodal Sentimental Analysis Using GloVe Convolutional Neural Network with Capsule Network	Ms. Julia Faith S	IT	2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNCW)	22 February 2024	979-8-3503-1703-9	https://ieeexplore.ieee.org/document/10435957	DOI: 10.1109/ICMNCW60182.2023.10435957	scopus

Lightweight GWO-LSTM-Based Land Cover Classification using Remote Sensing Images	Mr. P Senthil	IT	2023 International Conference on Evolutionary Algorithms and Soft Computing Techniques (EASCT)	22 January 2024	979-8-3503-1342-0	https://ieeexplore.ieee.org/document/10393821	DOI: 10.1109/EASCT59475.2023.10393821	scopus
Face Detection and Classification using Convolutional Neural Network with Channel Attention Module	Mrs. T. Veena	IT	2023 3rd International Conference on Mobile Networks and Wireless Communications (ICMNC)	22 February 2024	979-8-3503-1703-9	https://ieeexplore.ieee.org/document/10435738	DOI: 10.1109/ICMNC60182.2023.10435738	scopus
Detection of Botnet using deep learning algorithm: application of machine learning in cyber-security	Mrs. Hima Vijayan	IT	International Journal of Electronic Security and Digital Forensics (IJESDF), Vol. 16, No. 2, 2024	March 2024	1751-9128	https://www.inderscience.com/offers.php?id=13	DOI: 10.1504/IJESDF.2024.137030	ESCI
Cloud Computing's Effect on Video Games Streaming	Mrs. S. Asha	IT	2023 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS)	26 January 2024	979-8-3503-4024-2	https://ieeexplore.ieee.org/document/10404378	DOI: 10.1109/ICACRS58579.2023.10404378	scopus
A novel colour image encryption algorithm using S-box technique	Mrs. S. Asha	IT	International Journal of Electronic Security and Digital Forensics (IJESDF), Vol. 16, No. 2, 2024	March 2024	1751-9128	https://www.inderscience.com/offers.php?id=13	DOI: 10.1504/IJESDF.2024.137045	ESCI
IoT-Embedded Traffic Cones with CNN-based Object Detection to Roadwork Safety	Mrs. S. Krishnaveni	IT	2024 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT)	22 March 2024	979-8-3503-2754-0	https://ieeexplore.ieee.org/document/10467840	DOI: 10.1109/IDCIoT59759.2024.10467840	scopus
Revolutionizing Healthcare With Cloud Computing: The Impact of Clinical Decision Support Algorithm	Mrs. Hima Vijayan	IT	2023 International Conference on Artificial Intelligence for Innovations in Healthcare Industries (ICAIHHI)	15 April 2024	979-8-3503-3092-2	https://ieeexplore.ieee.org/document/10489022	DOI: 10.1109/ICAIHHI57871.2023.10489022	scopus
Security challenges for routing protocols in mobile ad hoc network	Mrs. T. Veena	IT	International Journal of Electronic Security and Digital Forensics	1st May 2024	1751-9128	https://www.inderscience.com/offers.php?id=13	https://doi.org/10.1504/IJESDF.2024.138338	ESCI
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Gated Recurrent Unit with Adaptive Golden Jackle Optimization based Efficient Resource Scheduling in Mobile Cloud Computing	Mr. P Senthil	IT	International Conference on Distributed Computing and Optimization Techniques, ICDCOT 2024	15 March 2024	979-8-3503-8296-9	https://ieeexplore.ieee.org/document/10516152	DOI: 10.1109/ICDCOT61034.2024.10516152	SCOPUS
Shuffled Shepherd Social Political Optimized Deep Learning For Rice Leaf Disease Classification and Severity Percentage Prediction	Mr. M. Geetha	IT	Biomedical Engineering: Applications, Basis and Communications (ESCI)	21 June 2024	1013-2511	https://www.worldscientific.com/doi/10.4015/S1016237224500133	https://doi.org/10.4015/S1016237224500133	ESCI
Intrusion Detection System using Improved Wild Horse Optimizer-Based DenseNet for Cognitive Cyber-Physical System in Industry 4.0	Sutha Merlin J	IT	2024 International Conference on Distributed Computing and Optimization Techniques (ICDCOT)	08 May 2024	979-8-3503-8296-9	https://ieeexplore.ieee.org/document/10515662	DOI: 10.1109/ICDCOT61034.2024.10515662	SCOPUS

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Hybrid Railway Safety Optimization With Neural Networks and Random Forests	Mrs. D Chithra	IT	IGI Global (Book Chapter)	June 2024	1548-0666	https://www.igi-global.com/chapter/hybrid-railw	DOI: 10.4018/979-8-3693-2893-4.ch007	SCOPUS
Ai-Driven Prediction Models For Medical Image Enhancement And Analysis Using Deep Learning	Mrs. K Valarmathi	IT	South Eastern European Journal of Public Health (ISSN: 2197-5248)	14-06-2024	2197-5248	http://www.seejph.com/index.php/seejph/article/	DOI: https://doi.org/10.70135/seejph.vi.793	SCOPUS
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An effective network security scrutinising method based on deep learning	Ms. Julia Faith S	IT	International Journal of Electronic Security and Digital Forensics, Volume 16, Issue 4 Pages 464 - 473	05 July 2024	1751-9128	https://www.inderscience.com/offers.php?id=13	https://doi.org/10.1504/ijesdf.2024.139656	ESCI
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Enhanced energy efficient routing protocol for on demand distance vector routing to improve communication in border area military communication	Mrs. T. Veena	IT	International Journal of Computational and Experimental Science and ENgineering (IJCESEN), Vol. 10-No.4 (2024) pp. 656-662	October 2024	2149-9144	https://www.ijcesen.com/index.php/ijcesen/articl	DOI: 10.22399/ijcesen.492	SCOPUS
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Computer Aided Based Performance Analysis of Glioblastoma Tumor Detection Methods using UNET-CNN	Mrs. D Chithra	IT	International Journal of Computational and Experimental Science and ENGINEERING (IJCESEN), Vol. 10-No.4 (2024) pp. 753-762	18 October 2024	2149-9144	https://www.ijcesen.com/index.php/ijcesen/article	DOI: 10.22400/ijcesen.515	SCOPUS
Analysis of Internet of Things Cyber security and Communication systems and its Applications	Mrs. S. Krishnaveni	IT	2024 Third International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	23 October 2024	979-8-3503-6908-3	https://ieeexplore.ieee.org/document/10718553	DOI: 10.1109/ICEEICT61591.2024.10718553	SCOPUS
Digital Twin-Driven Intrusion Detection for IoT and Cyber-Physical System	Mrs. K Valarmathi	IT	2024 International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS)	24 October 2024	979-8-3503-6067-7	https://ieeexplore.ieee.org/document/10721930	DOI: 10.1109/IACIS61494.2024.10721930	SCOPUS
Blockchain-enhanced sensing as a service for smart supply chains: A decentralized IoT framework	Mrs. D Chithra	IT	2nd International Interdisciplinary Scientific Conference on Green Energy, Environmental and Renewable Energy, Advanced Materials, and Sustainable Development, AIP Conf. Proc. 3193, 020078-1–020078-10	12 November 2024	1551-7616	https://pubs.aip.org/aip/acp/article-abstract/3193	https://doi.org/10.1063/5.0235520	SCOPUS
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Effect of Modified Nanographene Oxide Loading on the Swelling and Compression Set Behavior of EPDM/SBR Nano-composites	Mr. Srinivasan D & Dr. Vishvanathperumal S	MECH	Journal of Inorganic and Organometallic Polymers and Materials	04-Sep-23	1574-1451	https://link.springer.com/journal/10904	https://doi.org/10.1007/s10904-023-02803-9	SCI
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Halloysite Nanotubes Effect on Cure and Mechanical Properties of EPDM/NBR Nanocomposites	Mr. Dhanasekar S, Dr. Vishvanathperumal S	MECH	Journal of Inorganic and Organometallic Polymers and Materials	17-Jun-23	1574-1451	https://link.springer.com/journal/10904	https://doi.org/10.1007/s10904-023-02754-1	SCI

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Influence of halloysite nanotubes on mechanical and swelling properties of silicone rubber compound	Dr. Vishvanathperumal S	MECH	Journal of Polymer Research	18-Jul-23	1572-8935	https://link.springer.com/journal/10965	https://doi.org/10.1007/s10965-023-03632-7	SCI
Cure characteristics, compression set, swelling behaviors, abrasion resistance and mechanical properties of nanoclay (Cloisite 15A, Cloisite 20A and Cloisite 30B) filler filled EPDM/NBR blend system	Mr. Dhanasekar S, Dr. Vishvanathperumal S	MECH	Journal of Polymer Research	11-Sep-23	1572-8935	https://link.springer.com/journal/10965	https://doi.org/10.1007/s10965-023-03759-7	SCI
Effect of complex of resorcinol and hexamethylenetetramine modified halloysite nanotubes (RH-HNTs) on the mechanical and swelling characteristics of NR/EPDM nanocomposites	Mr.Parthasarathy K & Dr. Vishvanathperumal S	MECH	Journal of Polymer Research	18-Sep-23	1572-8935	https://link.springer.com/journal/10965	https://doi.org/10.1007/s10965-023-03763-x	SCI
Analysis of sensitivity and formulation of empirical relationship between parameters of FSW process and tensile strength of AZ80A Mg alloy joints	Dr. P. Sevvel, Mr.J.Vasanthe Roy and Mr.A.Sivaramakrishnan	MECH	Materials Research Express	06.06.2023	2053-1591	https://iopscience.iop.org/journal/2053-1591	DOI 10.1088/2053-1591/acd98f	SCI
Parametric based optimization of friction stir welded wrought AZ80A Mg alloy employing response surface methodology	Dr.P.Sevvel, Mr.J.Vasanthe Roy	MECH	Materials Research Express	17th November 2023	2053-1591	https://iopscience.iop.org/journal/2053-1591	10.1088/2053-1591/ad0ac4	SCI
Optimization of parameters and formulation of numerical model employing GRA-PCA and RSM approach for friction stir welded Ti-6Al-4V alloy joints	Mr.D.Srinivasan, Dr.P.Sevvel & Mr.J.Vasanthe Roy	MECH	Materials Research Express	16.05.2024	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://doi.org/10.1088/2053-1591/ad48e3	SCI
Effect of Modified Nanographene Oxide on the Mechanical and Swelling Properties of Silicone Rubber Nanocomposites	Dr. Vishvanathperumal S	MECH	Polym. Korea	13-Feb-23	2234-8077	http://journal.polymer-korea.or.kr/journal/issue/archives	https://doi.org/10.7317/pk.2023.47.3.288	SCI

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Impact of tool rotational speed on the microstructural transitions and tensile properties of the dissimilar AZ80A-Mg – AA6061-Al joints fabricated by friction stir welding	Dr. P. Sevvel	MECH	Practical Metallography	21-Apr-23	2195-8599	https://www.degruyter.com/journal/key/pm/html	https://doi.org/10.1515/pm-2022-1029	SCI
Influence of tool geometry on mechanical and microstructural characteristics of friction stir welded cast alloys	Dr. P. Sevvel	MECH	Practical Metallography	April 25, 2024	2195-8599	https://www.degruyter.com/journal/key/pm/html	https://doi.org/10.1515/pm-2023-1055	SCI
Impact of process parameters on transitions in the microstructural characteristics and mechanical attributes of Ti-6Al-4V alloy joints during FSW	Dr. P. Sevvel, Mr.D.Srinivasan	MECH	Practical Metallography	December 18, 2023	2195-8599	https://www.degruyter.com/journal/key/pm/html	https://doi.org/10.1515/pm-2023-1039	SCI
An investigation on the influence of torque and R-ratio on the fatigue life of double-lap bolted joint using FEM	Mr.J.Vasanth Roy, Dr. P. Sevvel	MECH	Materials Today Proceedings	29.05.2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.05.342	SCI
Mechanical behaviour of Al6061 hybrid nanocomposites reinforced with nano alumina and molybdenum disulfide	Mr.Prabaharan G	MECH	Materials Today Proceedings	03-Jul-23	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.06.279	SCI
Evaluation of the mechanical strength of mortars with almond shell ash	Mr.Parthasarathy K	MECH	Materials Today Proceedings	23-Aug-23	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.08.097	SCI
Study of Natural Language Processing for Sentiment Analysis	Mr.S.J.Rajarajan	MECH	2023 3rd International Conference on Pervasive Computing and Social Networking (ICPCSN), Salem, India, 2023, pp. 1425-1432	20.06.2023	979-8-3503-2285-9	https://ieeexplore.ieee.org/document/10265874	https://doi.org/10.1109/ICPCSN58827.2023.00238	scopus
IoT-based Smart Home Automation Systems for Energy Conservation	Mr.K.N.Ramu	MECH	2023 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), Kirtipur, Nepal, 2023, pp. 12-16	11th October 2023	2768-0665	https://ieeexplore.ieee.org/document/10290633	https://doi.org/10.1109/I-SMAC58438.2023.10290633	scopus

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Hybrid Deep Learning Technique for Optimal Wind Mill Speed Estimation	Mr. K.A.V. Roossvelt Prabhu	MECH	2023 7th International Conference on Electronics, Communication and Aerospace Technology	09.02.2024	979-8-3503-4061-7	https://ieeexplore.ieee.org/document/10395587	https://doi.org/10.1109/ICECA58529.2023.10395587	scopus
On the Potential of Clay with Respect to Conventional Fillers (CB and SiO2) for ENR Compatibilized NR/EPDM Vulcanizates	Mr.K.Manimaran & Dr.S.Vishvanathperu mal	MECH	AIP Conference Proceedings Vol 3037, Issue 1, 020045	02.04.2024	1551-7616	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0196614	scopus
Fabrication of Multi-Configuration Unmanned Aerial Vehicle	Mr.K.N.Ramu	MECH	AIP Conference Proceedings Vol 3037, Issue 1, 020041 (2024)	02.04.2024	1551-7616	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0196406	scopus
Analysis of lean implementation and practices in SME's using VSM	Mr.S.J.Rajarajan	MECH	AIP Conf. Proc. 3037, 020043 (2024)	02.04.2024	1551-7616	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0196618	scopus
Tribological properties optimization of nylon6 composites filled with SiC and Mica	Mr.K.Manimaran & Mr.C.Dhanesh	MECH	Materials Today Proceedings	26.03.2024	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2024.03.048	scopus
Effect of Silica Nanoparticles and Modified Silica Nanoparticles on the Mechanical and Swelling Properties of EPDM/SBR Blend Nanocomposites	Mr.G.Prabakaran; Dr.S.Vishvanathperu mal	MECH	Silicon	05-May-23	1876-9918	https://link.springer.com/journal/12633	https://doi.org/10.1007/s12633-023-02497-1	sci
Comprehensive computational investigations on various aerospace materials under complicated loading conditions through conventional and advanced analyses: a verified examination	Mr.R.Jeeva	MECH	Frontiers in Materials	04-May-23	2296-8016	https://www.frontiersin.org/journals/materials	https://doi.org/10.3389/fmats.2023.1147310	sci
Investigation on the distribution and role of intermetallic aggregates in influencing the mechanical strength of the friction stir welded AZ91C Mg – AA6061 Al alloy joints	Dr.P.Sevvel (Book author) and Mr.D. Prakash	MECH	Materials Research Express	22-Feb-23	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://doi.org/10.1088/2053-1591/acbbbb	sci
Establishment of empirical relations amidst mechanical attributes of friction stir welded distinctive alloys of Mg and optimized process parameters	Mr.Rajarajan.S.J & Dr.P.Sevvel	MECH	Materials Research Express	15-May-23	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://doi.org/10.1088/2053-1591/acd5ac	sci

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Friction stir processing of nanofiller assisted AISI 1010 steel-CDA101 copper dissimilar welds: a strength factor approach	Dr.P.Sevvel	MECH	Metallurgical Research Technology	10-07-2022	2271-3646	https://www.metallurgical-research.org/articles/metal/abs/2022/05/metal210406/metal210406.html	https://doi.org/10.1051/metal/2022065	sci
Effect of Surface Modified Halloysite Nanotubes (mHNTs) on the Mechanical Properties and Swelling Resistance of EPDM/NBR Nanocomposites	Dr.S.Vishvanathperu mal	MECH	Polym. Korea	2023	2234-8077	http://journal.polymer-korea.or.kr/journal/issue/archives	https://doi.org/10.7317/pk.2022.46.6.728	sci
Study of Wear Behavior on AA6061 Reinforced with Hybrid Ceramic Composites through Optimization	Mr.C.Krishnamurthy	MECH	Advances in Materials Science and Engineering	11th April 2023	1687-8442	https://onlinelibrary.wiley.com/journal/5928	https://doi.org/10.1155/2023/7558886	sci
Study of tribological properties of Al6061 hybrid nano composites	Mr.C.Dhanesh	MECH	Materials Today: Proceedings Second Global Conference on Recent Advances in Sustainable Materials 2022	Available online on 23rd Jan 2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.01.137	sci
Renewable Energy based Security System for Isolator (Air Brake Switch) using Fingerprint Sensor with Internet of Things	Mr. Roossvelt Prabhu	MECH	<i>International Conference on Automation, Computing and Renewable Systems (ICACRS)</i>	07th February 2023	978-1-6654-6085-9	https://ieeexplore.ieee.org/document/10028991	10.1109/ICACRS55517.2022.10028991	scopus
Analysis of the significance of the imparted fastening forces and material properties of plates on the fatigue life of bolted joints using FEM	Mr.J.Vasanth Roy, Mr.A.Sivamakrishnan, Dr. P. Sevvel	MECH	Materials Today: Proceedings	Available online on 14th February 2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.02.036	scopus
Influence of different insulation materials for effective cooling performance	Mr.V.Sathish Kumar	MECH	Materials Today: Proceedings International Conference on Newer Engineering Concepts and Technology (ICONNECT 2022)	16th Nov 2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2022.07.417	scopus
Identification of operational parameter levels that optimize the production in solar stills with plain, corrugated, and compartmental basin	Dr.Ramachandran.S	MECH	Environmental Science and Pollution Research, Volume 29, Year 2022, Pages 7096-7116	31-08-2021	1614-7499	https://link.springer.com/journal/11356	https://doi.org/10.1007/s11356-021-16122-4	scopus
Intensification of proton conductivity through polymer electrolytic membrane using novel electrode pattern	Mr. S. Praveenkumar and Dr. S. Baskar	MECH	Journal of the Indian Chemical Society	03-03-2022	0019-4522	https://www.sciencedirect.com/science/article/abs/pii/S0019452222000450?via%3Dihub	https://doi.org/10.1016/j.jics.2022.100383	sci

Halloysite Nanotubes (HNTs)-Filled Ethylene-Propylene-Diene Monomer/Styrene-Butadiene Rubber (EPDM/SBR) Composites: Mechanical, Swelling, and Morphological Properties	Dr. S. Vishvanathperumal	MECH	Silicon	10-09-2021	1876-9918	https://link.springer.com/journal/12633	https://doi.org/10.1007/s12633-021-01410-y	sci
Properties of SBR/NR Blend: The Effects of Carbon Black/Silica (CB/SiO ₂) Hybrid Filler and Silane Coupling Agent	Dr. S. Vishvanathperumal	MECH	Silicon	22-01-2022	1876-9918	https://link.springer.com/journal/12633	https://doi.org/10.1007/s12633-022-01675-x	sci
Effect of Silane Treated Wheat Husk Biosilica (WHB) Deionized Water Dielectric on EDM Drilling of Ti-6Al-4V Alloy	K.Suresh	MECH	Silicon	23-01-2022	1876-9918	https://link.springer.com/journal/12633	https://doi.org/10.1007/s12633-021-01526-1	sci
Generation of force and torque during joining of AZ91C plates by FSW under distinctive tool tilt angle and their impact on mechanical strength and micro-structure”,	Dr.P.Sevvel	MECH	Journal of Adhesion Science and Technology	30-03-2022	0169-4243	https://www.tandfonline.com/journals/tast20	https://doi.org/10.1080/01694243.2022.2057763	sci
Microstructural analysis and mechanical behaviour of copper CDA 101/AISI- SAE 1010 dissimilar metal welds processed by friction stir welding	Dr. P. Sevvel	MECH	Materials Research Express	44568	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://doi.org/10.1590/1980-5373-MR-2021-0430	sci
Effect of Tool Pin Geometry and Process Parameters During FSW of Dissimilar Alloys of Mg	Dr. P. Sevvel	MECH	Materials Research Express	18-02-2022	2053-1591	https://iopscience.iop.org/journal/2053-1591	https://doi.org/10.1590/1980-5373-MR-2021-0508	sci
Impact of speed of traverse during joining of CDA101 plates by FSW process	Dr. P. Sevvel	MECH	Scientia Iranica	07-03-2022	2345-3605	https://scintiairanica.sharif.edu/article_22696.html	doi: 10.24200/sci.2022.58185.5612	sci
Modeling tensile modulus of nanoclay filled ethylene-propylene-diene monomer/styrene-butadiene rubber using composite theories	Dr. S. Vishvanathperumal	MECH	Journal of Rubber Research	23-01-2022	2524-3993	https://link.springer.com/journal/42464	https://doi.org/10.1007/s42464-021-00140-5	sci
Process optimization using grey relational analysis in dry sliding wear behavior on SiC/B ₄ C/Talc reinforced Al 6061 hybrid metal matrix composite	Dr S Baskar	MECH	Metallurgical Research & Technology	06-12-2021	2271-3646	https://www.metallurgical-research.org/articles/metal/abs/2021/06/metal210174/metal210174.html	https://doi.org/10.1051/metal/2021086	sci

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A review on Cold Metal Transfer (CMT) technology of welding	Mr.D.Srinivasan and Dr. P. Sevvel	MECH	Materials Today Proceedings	27-04-2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2022.04.016	scopus
A brief review on the manufacturing of metal components using selective laser melting	Dr.P.Sevvel	MECH	Materials Today Proceedings	20-04-2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2022.04.213	scopus
A review on additive manufacturing of alloys using laser metal deposition	Dr.P.Sevvel	MECH	Materials Today Proceedings	05-04-2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2022.03.510	scopus
Optical Microstructure, FESEM, Micro Tensile and Micro Hardness properties of LM 25-B4Cnp-Grnp hybrid composites manufactured by Selective Laser Melting	Mr. S.R.Venkataraman	MECH	Advances in Materials science and Engineering	03-Jun-22	1687-8442	https://onlinelibrary.wiley.com/journal/5928	https://doi.org/10.1155/2022/3177172	sci
Experimental investigation on the average surface roughness (Ra) of AISi10Mg alloy manufactured by L-PBF method	Mr. D.Prakash	MECH	Advances in Materials science and Engineering	Accepted on May 04 2022	1687-8442	https://onlinelibrary.wiley.com/journal/5928	https://doi.org/10.1155/2022/5874875	sci
Study of Mechanical properties on Ferric oxide microparticles reinforced with polyethylene	Mr.S.Dhanasekar	MECH	Advances in Materials science and Engineering	Accepted on May 10 2022	1687-8442	https://onlinelibrary.wiley.com/journal/5928	https://doi.org/10.1155/2022/3077301	sci
Optimization of Process Parameter on AA8052 Friction Stir Welding Using Taguchi's Method	Dr. S Baskar	MECH	Advances in Materials science and Engineering	14-Jun-22	1687-8442	https://onlinelibrary.wiley.com/journal/5928	https://doi.org/10.1155/2022/3048956	sci
Parametric study of basin saline water in single slope solar still using CFD modelling	A. Sivaramakrishnan	MECH	AIP Conference Proceedings	28-09-2021	1551-7616	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0066232	scopus
A review on recent trends in the microbial production of biodiesel	L. Anantharaman	MECH	AIP Conference Proceedings	28-09-2021	1551-7616	https://pubs.aip.org/aip/acp	https://doi.org/10.1063/5.0066418	scopus
Evaluation of tribological characteristics of nano zirconia dispersed biodegradable canola oil methyl ester metalworking fluid	Dr S Baskar	MECH	Tribology International	11-Jun-20	0301-679X	https://www.sciencedirect.com/science/article/pii/S0301679X2030342X?via%3Dihub	https://doi.org/10.1016/j.triboint.2020.106510	sci
A novel water quench approach for enhancing the surface characteristics of electroless nickel phosphorous deposit	Dr.Jagatheeshwaran M S	MECH	Surfaces and Interfaces	28-01-2021	2468-0230	https://www.sciencedirect.com/science/article/abs/pii/S2468023021000523?via%3Dihub	https://doi.org/10.1016/j.surfin.2021.100975	sci

Development of Thermo Mechanical Model for Prediction of Temperature Diffusion in Different FSW Tool Pin Geometries During Joining of AZ80A Mg Alloys	Dr. P. Sevvel	MECH	Journal of Inorganic and Organometallic Polymers and Materials	18-02-2021	1574-1451	https://link.springer.com/journal/10904	https://doi.org/10.1007/s10904-021-01931-4	sci
Biochar-assisted copper-steel dissimilar friction stir welding: mechanical, fatigue, and microstructure properties	Dr. P. Sevvel	MECH	Biomass Conversion and Biorefinery	21-04-2021	2190-6823	https://link.springer.com/journal/13399	https://doi.org/10.1007/s13399-021-01514-w	sci
Effect of Nanosilica and Crosslinking System on the Mechanical Properties and Swelling Resistance of EPDM/SBR Nanocomposites with and without TESPT	Dr. S. Vishvanathperumal	MECH	Silicon	23-Oct-20	1876-9918	https://link.springer.com/journal/12633	https://doi.org/10.1007/s12633-020-00792-9	sci
Effect of Nanosilica on the Mechanical Properties, Compression Set, Morphology, Abrasion and Swelling Resistance of Sulphur Cured EPDM/SBR Composites	Dr. S. Vishvanathperumal	MECH	Silicon	04-05-2021	1876-9918	https://link.springer.com/journal/12633	https://doi.org/10.1007/s12633-021-01138-9	sci
Sustainable Machining of Hastelloy in EDM Using Nanoparticle-Infused Biodegradable Dielectric Fluid	Dr S Baskar	MECH	Arabian Journal for Science and Engineering	05-05-2021	2191-4281	https://link.springer.com/journal/13369	https://doi.org/10.1007/s13369-021-05652-1	sci
Optimization of electroless bath process parameter for improving the tribology behavior of Ni-P/CaBr ₂ composite coating against the hardened EN-31 steel	Dr.Jagatheeshwaran M S	MECH	Surface Topography: Metrology and Properties	30-Jun-20	2051-672X	https://iopscience.iop.org/article/10.1088/2051-672X/ab9f55	https://doi.org/10.1088/2051-672X/ab9f55	sci
Peak Temperature Correlation and Temperature Distribution during Joining of AZ80A Mg Alloy by FSW – A Numerical and Experimental Investigation	Dr. P. Sevvel	MECH	Strojniški vestnik - Journal of Mechanical Engineering	16-Jun-20	0039-2480	https://www.sv-jme.eu/article/peak-temperature-correlation-and-temperature-distribution-during-joining-of-az80a-mg-alloy-by-fsw-a-numerical-and-experimental-investigation/	DOI:10.5545/sv-jme.2020.6566	sci
Experimental Identification of Optimized Process Parameters for FSW of AZ91C Mg Alloy Using Quadratic Regression Models	Dr.P.Sevvel	MECH	Strojnicki Vestnik / Journal of Mechanical Engineering	Dec-20	0039-2480	https://www.sv-jme.eu/article/peak-temperature-correlation-and-temperature-distribution-during-joining-of-az80a-mg-alloy-by-fsw-a-numerical-and-experimental-investigation/	https://doi.org/10.5545/sv-jme.2020.6929	sci

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Analysis of Bronze Hybrid composite for Spark Ignition Engine Piston	C.Dhanesh	MECH	FME Transactions	29-Sep-20	1451-2092	https://scindeks.ceon.rs/journalDetails.aspx?issn=1451-2092	doi:10.5937/fmc2004962D	sci
Acoustic Emission Based Deep Learning Technique to Predict Adhesive Bond Strength of Laser Processed CFRP Composites	Dr. P. Sevvel	MECH	FME Transactions	05-Jun-20	1451-2092	https://scindeks.ceon.rs/journalDetails.aspx?issn=1451-2092	doi: 10.5937/fmc2003611S	sci
Role of combustion derived magnesia nanoflakes on the combustion, emission and functional characteristics of diesel engine susceptible to palm oil biodiesel-diesel blend	Mr. Dhanesh C	MECH	Journal of Thermal Science and Technology	01-03-2021	1880-5566	https://www.jstage.jst.go.jp/article/jtst/16/2/16_2021jtst0025/ article	https://doi.org/10.1299/jtst.2021jtst0025	sci
Fuzzy logic model of journal bearing lubricated with nano lubricant	Dr S Baskar, K. Parthasarathy & G.Prabaharan	MECH	International Journal of Vehicle Structures and Systems	29-Jun-20	0975-3540	https://vanthrika.com/eja/index.php/ijvss/index	https://doi.org/10.4273/ijvss.12.1.22	SCOPUS
Influence of Abrasive Water Jet Machining Parameters on Hybrid Polymer Composite	Dr. S. Vishvanathperumal	MECH	Journal of The Institution of Engineers (India): Series C	25-03-2021	2250-0553	https://link.springer.com/article/10.1007/s40032-021-00672-0	https://doi.org/10.1007/s40032-021-00672-0	SCOPUS
Metallic materials fabrication by selective laser melting: A review	Dr. P. Sevvel	MECH	Materials Today: Proceedings	03-Jun-20	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2020.05.162	scopus
A review on the various processing parameters in FDM	Dr. P. Sevvel	MECH	Materials Today Proceedings	13-Jun-20	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2020.05.484	scopus
Calcium hexaboride reinforced Nickel-Phosphorus composite coating for increasing the wear properties of low carbon steel	Dr.Jagatheeshwaran M S	MECH	Materials Today: Proceedings	07-Jul-20	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2020.07.034	scopus
Polyolester Based Lubricant from Waste Feedstock for Sustainable Environment: A Tribological Investigation	Dr. S. Baskar	MECH	IOP Conference Series: Materials Science and Engineering	Oct-20	1757-899X	https://iopscience.iop.org/journal/1757-899X	https://doi.org/10.1088/1757-899X/954/1/012021	SCI
Investigation and optimization of Laser welding process parameters for AA7068 aluminium alloy butt joint	Dr. P. Sevvel	MECH	Materials Today: Proceedings	02-02-2021	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2020.07.196	scopus
Investigation and Evaluation of Mechanical behaviour of Al-TiC Alloy	Dr. P. Sevvel	MECH	Materials Today: Proceedings	15-01-2021	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2020.06.372	scopus

Influence of CNT coating on the efficiency of solar parabolic trough collector using al ₂ o ₃ nanofluids - a multiple regression approach	Dr. P. Sevvil	MECH	Materials Today: Proceedings	05-01-2021	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2020.09.047	scopus
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