

**Dr. Mahalingam College of Engineering and Technology, Pollachi**

**Office of Dean Research & Innovation**

**Research Publication Details**

**AY 2023 – 2024**

<b>Research Publications</b>		<b>No. of Publications</b>	<b>Total</b>
<b>Journals</b>	<b>Q1</b>	<b>33</b>	<b>154</b>
	<b>SCIE</b>	<b>60</b>	
	<b>Scopus</b>	<b>61</b>	
<b>Books</b>		<b>12</b>	<b>160</b>
<b>Book Chapters</b>		<b>22</b>	
<b>Conferences</b>		<b>126</b>	
<b>TOTAL</b>			<b>314</b>

# **JOURNAL PUBLICATIONS**

**Dr. Mahalingam College of Engineering and Technology**  
**Office of Dean Research & Innovation**  
**Research Publication Details**  
**AY 2023 - 2024**

S. No.	Name of the Department	Name of the Authors in order as per Published Article ( MCET Authors Mentioned in RED Colour)	Title of the Paper	Name of the Journal and Publisher	Month & Year of Publication	DOI	Indexing
1	Artificial Intelligence & Data Science	S. Angel Latha Mary, S. Siva Subramanian, G. Priyanka, <b>Mr.T.VijayKumar</b> , Alagumalai	Revolutionizing Prostate Cancer Diagnosis: Unleashing The Potential Of An Optimized Deep Belief Network For Accurate Gleason Grading In Histological Images	International Journal of Intelligent Networks, KeAi Chinese Roots Global Impacts	May, 2024	<a href="https://doi.org/10.1016/j.ijin.2024.05.004">https://doi.org/10.1016/j.ijin.2024.05.004</a>	SCIE (Q1)
2	Mechanical & Automobile	R. Bharathiraja, <b>T. Ramkumar</b> , <b>M. Selvakumar</b> , N. Radhika	Thermal characteristics enhancement of Paraffin Wax Phase Change Material (PCM) for thermal storage application	Renewable Energy, Elsevier	February, 2024	<a href="https://doi.org/10.1016/j.rene.2024.119986">https://doi.org/10.1016/j.rene.2024.119986</a>	SCIE (Q1)
3	Mechanical & Automobile	T. Sathish, N. Ahalya, <b>M. Thirunavukkarasu</b> , T.S. Senthil, Zakir Hussain, Hitesh Panchal, Kishor Kumar Sadasivuni, <b>T.Ramkumar and D Shanmugam</b>	A comprehensive review on the novel approaches using nanomaterials for the remediation of soil and water pollution	Alexandria Engineering Journal, Elsevier	January, 2024	<a href="https://doi.org/10.1016/j.aej.2023.10.038">https://doi.org/10.1016/j.aej.2023.10.038</a>	SCIE (Q1)
4	Mechanical & Automobile	R. Bharathiraja, <b>T. Ramkumar</b> , <b>M. Selvakumar</b>	Studies on the thermal characteristics of nano-enhanced paraffin wax phase change material (PCM) for thermal storage applications	Journal of Energy Storage, Elsevier	December, 2023	<a href="https://doi.org/10.1016/j.est.2023.109216">https://doi.org/10.1016/j.est.2023.109216</a>	SCIE (Q1)
5	Civil Engineering	<b>Krishnakumar Subramanian</b> , V. Sreevidya, R. Venkatasubramani, Vivek Sivakumar	DRASTIC model developed with lineament density to map groundwater susceptibility: a case study in part of Coimbatore district, Tamilnadu, India	Environment, Development and Sustainability , Springer Netherlands	June, 2023	<a href="https://doi.org/10.1007/s10668-023-03506-4">https://doi.org/10.1007/s10668-023-03506-4</a>	SCIE (Q1)
6	Civil Engineering	Shafiqur Rehman, <b>Narayanan Natarajan</b> , Mangottiri Vasudevan, Abdul Baseer Mohammed, Mohammed A. Mohandes, Firoz Khan, Fahad A. Al-Sulaiman	Performance evaluation of grid connected Photovoltaic system for Kuttiyadi village in Kerala, India.	Environmental Science and Pollution Research, Springer	September, 2023	<a href="https://doi.org/10.1007/s11356-022-23731-0">https://doi.org/10.1007/s11356-022-23731-0</a>	SCIE (Q1)
7	Civil Engineering	<b>Narayanan Natarajan</b> & Shahid Latif	Nonparametric versus parametric (both unimodal and mixed) probability distribution in hourly wind speed modelling for some regions of Tamil Nadu state in India.	Stochastic environmental research and risk assessment, Springer	October, 2023	<a href="https://doi.org/10.1007/s00477-023-02587-x">https://doi.org/10.1007/s00477-023-02587-x</a>	SCIE (Q1)

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8	Civil Engineering	Nazeer Ahamed M.F., <b>M.Mariappan</b>	A study to determine human-related errors at the level of top management, safety supervisors & workers during the implementation of safety practices in the construction industry	Safety Science, Elsevier	June, 2023	<a href="https://doi.org/10.1016/j.ssci.2023.106081">https://doi.org/10.1016/j.ssci.2023.106081</a>	SCIE (Q1)
9	Civil Engineering	<b>Dr.M.Mariappan</b> , Mr.J.Amirtharaj	Exploring the potential uses of Aluminium Metal Matrix Composites (AMMCs) as alternatives to steel bar in Reinforced Concrete (RC) structures-A state of art review	Journal of Building Engineering, Elsevier	December, 2023	<a href="https://doi.org/10.1016/j.jobbe.2023.108085">https://doi.org/10.1016/j.jobbe.2023.108085</a>	SCIE (Q1)
10	Computer Science and Engineering	Dr. Bhavithra Janakiraman, Sathiyapriya S, Rocio Perez de Prado, Marcin Wozniak	3D Road Lane Classification with Improved Texture Patterns and Optimized Deep Classifier	Sensors, MDPI	June, 2023	<a href="https://doi.org/10.3390/s23115358">https://doi.org/10.3390/s23115358</a>	SCIE (Q1)
11	Computer Science and Engineering	G.Sathish Kumar, K.Premalatha, <b>G. Uma Maheshwari</b> , P.Rajesh Kanna	No More Privacy Concern: A Privacy-Chain based Homomorphic Encryption Scheme and Statistical Method for Privacy Preservation of User's Private and Sensitive Data	Expert Systems With Applications, Elsevier	June, 2023	<a href="https://doi.org/10.1016/j.eswa.2023.121071">https://doi.org/10.1016/j.eswa.2023.121071</a>	SCIE (Q1)
12	Computer Science and Engineering	Sathish Kumar, G. Premalatha, <b>K.Uma Maheshwari</b> , G. Rajesh Kanna, P. Vijaya, G. Nivaashini, M.	Differential Privacy scheme using Laplace Mechanism and Statistical Method Computation in Deep Neural Network for Privacy Preservation	Engineering Applications of Artificial Intelligence, Elsevier	February, 2024	<a href="https://doi.org/10.1016/j.engappai.2023.107399">https://doi.org/10.1016/j.engappai.2023.107399</a>	SCIE (Q1)
13	Computer Science and Engineering	Narendra, M., <b>Valarmathi, M.L.</b> , Anbarasi.L, Amir H	Levenberg - Marquardt deep neural watermarking for 3D mesh using nearest centroid salient point learning	Scientific Reports, Nature	March, 2024	<a href="https://doi.org/10.1038/s41598-024-57360-z">https://doi.org/10.1038/s41598-024-57360-z</a>	SCIE (Q1)
14	ECE & EEE	<b>K.C. Raja rajeshwari</b> , K.Mohaideen Abdul Kadhar, Nithya Kumar, S.Tamilselvi c, Mohammad Zakir Bellary, Vijayanandh Raja, Abdulrajak Buradi, <b>B Vinoth Kumar</b> ,Addisu Frinjo Emma	Single input multiple output maze shaped array antenna for millimeter wave applications	Results in Engineering, Elsevier	April, 2024	<a href="https://doi.org/10.1016/j.rine.2024.102097">https://doi.org/10.1016/j.rine.2024.102097</a>	SCIE (Q1)

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15	Science & Humanities	B.Shalini Reghunath, Sunaja Devi K R, R Sruthi, <b>B. Saravanakumar</b> , <b>J.Johnson William</b> , Dephan Pinheiro	Hierarchical BiFeO <sub>3</sub> /Cr <sub>2</sub> CTx MXene composite as a multifunctional catalyst for hydrogen evolution reaction and as an electrode material for energy storage devices	Electrochimica Acta, Elsevier	June, 2023	<a href="https://doi.org/10.1016/j.electacta.2023.142685">https://doi.org/10.1016/j.electacta.2023.142685</a>	SCIE (Q1)
16	Science & Humanities	R Sruthi, Sunaja Devi K R, B. Shalini, <b>B. Saravanakumar</b> , <b>J. Johnson William</b> , Dephan	Sm-MOF/rGO/PANI composite as an electrode material for supercapacitor applications	Electrochimica Acta, Elsevier	November, 2023	<a href="https://doi.org/10.1016/j.electacta.2023.143031">https://doi.org/10.1016/j.electacta.2023.143031</a>	SCIE (Q1)
17	Science & Humanities	P. Amalathi, J. Judith Vijaya , R. Thinesh Kumar, L.John Kennedy, M. <b>B. Saravanakumar</b>	Microwave-aided fabrication of calcium-substituted DyMnO <sub>3</sub> nanocomposites as prospective battery-type electrode material for supercapacitors	Materials Science & Engineering B, Elsevier	December, 2023	<a href="https://doi.org/10.1016/j.mseb.2023.116845">https://doi.org/10.1016/j.mseb.2023.116845</a>	SCIE (Q1)
18	Science & Humanities	S. Jeya Sri Lakshmi, R. Biju BennieA. Nirmal Paul Raj, C. Joel, <b>B. Saravanakumar</b>	Kaolin supported synergistic effects in g-C <sub>3</sub> N <sub>4</sub> /V <sub>2</sub> O <sub>5</sub> nanocomposite systems for advanced energy storage applications.”	Inorganic Chemistry Communications, Elsevier	April, 2024	<a href="https://doi.org/10.1016/j.inoche.2024.112213">https://doi.org/10.1016/j.inoche.2024.112213</a>	SCIE (Q1)
19	Science & Humanities	J. John Benitto, a J. Judith Vijaya, <b>B.Saravanakumar</b> , Hamad , Stefano	Microwave engineered NIZRO <sub>3</sub> @ GNP as efficient electrode material for energy storage applications	RSC Advances & Royal Society of Chemistry, RSC	March, 2024	<a href="https://doi.org/10.1039/D4RA00621F">https://doi.org/10.1039/D4RA00621F</a>	SCIE (Q1)
20	Science & Humanities	Krishna Chandar, N, Kalaiselvi Chandiran; <b>B. Saravanakumar</b> Balakrishnan; Sudhagar Pitchaimuthu	Ti <sub>3</sub> C <sub>2</sub> Tx Mxene decorated with NiMnO <sub>3</sub> / NiMn <sub>2</sub> O <sub>4</sub> nanoparticles for simultaneous photocatalytic degradation of mixed cationic and anionic dyes	Colloids and Surfaces A: Physicochemical and Engineering Aspects, Elsevier	April, 2024	<a href="https://doi.org/10.1016/j.colsurfa.2024.133888">https://doi.org/10.1016/j.colsurfa.2024.133888</a>	SCIE (Q1)
21	Science & Humanities	Athithyan, S. Kalaiarasi, G. <b>Parveen</b> , S. Manikandan, A. Mahmoud, Mohamed H. Fouad, Hassan Ansari	Facile synthesis of cobalt-nickel oxide nanocomposites for trifunctional application towards antioxidant, anticancer and electrochemical performance	Inorganic Chemistry Communications, Elsevier	April, 2024	<a href="https://doi.org/10.1016/j.inoche.2024.112384">https://doi.org/10.1016/j.inoche.2024.112384</a>	SCIE (Q1)

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22	Science & Humanities	<b>J. Johnson William</b> , I.ManoharaBabu, G Muralidharan	Microwave Energized Preparation and Electrochemical Performance of Ag added NiO/CeO <sub>2</sub> Nanocomposites for Energy Storage Applications	Surfaces and Interfaces, Elsevier	November, 2023	<a href="https://doi.org/10.1016/j.surfin.2023.103361">https://doi.org/10.1016/j.surfin.2023.103361</a>	SCIE (Q1)
23	Science & Humanities	<b>Vishalakshi Kuppusamy</b> , Maragathavalli Shanmugasundaram, Prasantha Bharathi Dhandapani, Carlos Martin- Barreiro, Xavier Cabezas, Víctor Leiva, Cecilia Castro	Addressing a decision problem through a bipolar Pythagorean fuzzy approach: A novel methodology with application in digital marketing	Heliyon , Cell Press	January, 2024	<a href="https://doi.org/10.1016/j.heliyon.2024.e23991">https://doi.org/10.1016/j.heliyon.2024.e23991</a>	SCIE (Q1)
24	Mechanical Engineering	P Narayanasamy, BK Parthipan, <b>T.Ramkumar</b> , N Sivashanmugam	Experimental studies on automated DC pulsed MIG welding of Monel 400 sheets	Materials and Manufacturing Processes, Taylor & Francis	July, 2023	<a href="https://doi.org/10.1080/10426914.2023.2238076">https://doi.org/10.1080/10426914.2023.2238076</a>	SCIE (Q1)
25	Mechanical Engineering	<b>Jayaraj Mahalingam, Sivakumar Rajendran, N Shanmugasundram, Hariharan Kuppuswamy, Rama Thirumurugan</b>	Investigation of acoustic, mechanical, thermal, and moisture properties of milled alkali-treated coconut tree secondary flower leaf stalk fiber-reinforced polymer composite	Polymer Composites, Wiley publication	December, 2023	<a href="https://doi.org/10.1002/pc.28054">https://doi.org/10.1002/pc.28054</a>	SCIE (Q1)
26	Mechanical Engineering	T VarunKumar, <b>M Jayaraj</b> , N.Nagaprasad, Jule Leta Tesfaye, R.Shanmugam, Ramaswamy	An examining the static and dynamic mechanical characteristics of milled ramie root reinforced polyester composites	Scientific Reports, Nature	October, 2023	<a href="https://doi.org/10.1038/s41598-023-44088-5">https://doi.org/10.1038/s41598-023-44088-5</a>	SCIE (Q1)
27	Mechanical Engineering	UV Akhil, N Radhika, <b>T.Ramkumar</b> , Alokesh Pramanik	Effect of graphene on the tribological behavior of Ti6Al6V2Sn/Gn composite produced via microwave sintering	International Journal of Lightweight Materials and Manufacture, Research gate	January, 2024	<a href="https://doi.org/10.1016/j.ijlmm.2023.10.001">https://doi.org/10.1016/j.ijlmm.2023.10.001</a>	SCIE (Q1)
28	Information Technology	Vijaykumar V R, Raja Sekar S, Jothin R , Diniesh V C, Elango S, <b>Ramakrishnan S</b>	Novel Light Weight Hardware Authentication Protocol for Resource Constrained IOT Based Devices	IEEE Journal of Radio Frequency Identification, IEEE Access	Jan , 2024	<a href="https://doi.org/10.1109/JRFID.2024.3359705">10.1109/JRFID.2024.3359705</a>	SCIE (Q1)

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29	Electrical and Electronics Engineering	K, Gayathri Devi, <b>Balasubramanian Kishore</b> & C Senthilkumar	Feature analysis and classification of maize crop diseases employing AlexNet-inception network	Multimedia Tools and Applications, Springer	August, 2023	<a href="https://doi.org/10.1007/s11042-023-16467-7">https://doi.org/10.1007/s11042-023-16467-7</a>	SCIE (Q1)
30	Mechanical Engineering	<b>Bharathiraja, R., T. Ramkumar,</b> L.Karthick, and M. Mohanraj.	Performance investigation on flat plate solar water collector using a hybrid nano-enhanced phase change material (PCM)	Journal of Energy Storage, Elsevier	May, 2024	<a href="https://doi.org/10.1016/j.est.2024.111163">https://doi.org/10.1016/j.est.2024.111163</a>	SCIE (Q1)
31	Master of Computer Applications	<b>Dr.R. Muthusami,</b> N.Manikandan, K.Saritha, B.Narenthiran, N.Nagaprasad, Krishnaraj Ramaswamy	Investigating topic modeling techniques through evaluation of topics discovered in short texts data across diverse domains	Scientific Reports, Springer	May, 2024	<a href="https://doi.org/10.1038/s41598-024-61738-4">https://doi.org/10.1038/s41598-024-61738-4</a>	SCIE (Q1)
32	Science & Humanities	B Shalini , Sunaja Devi K R , Sruthi R, <b>B. Saravanakumar, J. Johnson William,</b> Dephan Pinheiro	CoFe2O4 Nanoparticles embedded 2D Cr2CTx Mxene: A New Material for Battery like Hybrid Supercapacitors and Oxygen Evolution Reaction	Journal of Energy Storage, Elsevier	Apr, 2024	<a href="https://doi.org/10.1016/j.est.2024.110775">https://doi.org/10.1016/j.est.2024.110775</a>	SCIE (Q1)
33	Mechanical Engineering	<b>K. Hariharan,</b> N. Sathishkumar, G.Arumaikkannu	Process parameter optimization of pulsed laser deposition of hydroxyapatite coated polymer implant for better surface roughness and cell viability	Progress in Additive Manufacturing, Springer	October, 2023	<a href="https://doi.org/10.1007/s40964-024-00629-6">https://doi.org/10.1007/s40964-024-00629-6</a>	SCIE (Q1)
34	AIDS & IT	<b>S. Nithya, S. Ramakrishnan,</b> A.S.Muthanantha Murugavel, <b>S.Ponni Sathya, L. Meenachi,</b> R.Geetha Rajakumari	Detection of Epileptic Seizure from EEG signals using Majority Rule based Local Binary Pattern	Wireless Personal Communications, Springer	April, 2024	<a href="https://doi.org/10.1007/s11277-024-10916-8">https://doi.org/10.1007/s11277-024-10916-8</a>	SCIE (Q2)
35	Mechanical & Automobile	<b>Dr.Rama Thirumurugan,</b> <b>Mr.M.Padmanaban, Dr. T.Ramkumar,Dr. Shanmugam</b>	Investigation of mechanical and tribological behavior of AL- NI CO-MWCNT composite prepared by powder metallurgy	Part E-Journal Of Process Mechanical Engineering, SAGE Publications Inc.	February, 2024	<a href="https://doi.org/10.1177/09544089241228942">https://doi.org/10.1177/09544089241228942</a>	SCIE (Q2)

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36	Mechanical & Automobile	<b>T Ramkumar, D Nathan, M.Selvakumar</b> , V Vigneshkumar, P.Narayanasamy	Printing High-Strength High- Elongation Al4043 Alloy Using UNS A94043 Welding Wires through Wire Arc Additive Manufacturing	Journal of Materials Engineering and Performance, Springer	October, 2023	<a href="https://doi.org/10.1007/s11665-023-08822-4">https://doi.org/10.1007/s11665-023-08822-4</a>	SCIE (Q2)
37	Mechanical & Automobile	<b>Jayaraj Mahalingam, Rama Thirumurugan, Shanmugam Dharmalingam</b> , S. Sam Roy, S.Phuvi & R. Aswathaman	Effect of alkali treatment on properties of Palmyra palm tree primary flower leaf stalk fiber–reinforced polymer composites	Biomass Conversion and Biorefinery, Springer	August, 2023	<a href="https://doi.org/10.1007/s13399-023-04749-x">https://doi.org/10.1007/s13399-023-04749-x</a>	SCIE (Q2)
38	Mechanical & Automobile	Kasirajan T, <b>M.Selva Kumar, T.Ramkumar</b> , M.Mohanraj	Thermal and mechanical characterisation of friction stir welded dissimilar aluminium alloys	Part E-Journal Of Process Mechanical Engineering, SAGE Publications Inc.	April, 2024	<a href="https://doi.org/10.1177/09544089241241447">https://doi.org/10.1177/09544089241241447</a>	SCIE (Q2)
39	Automobile Engineering	Sivasubramanian Palanisamy, Mayandi Kalimuthu, <b>Shanmugam Dharmalingam</b> , Azeez Alavudeen,Rajini Nagarajan, Faruq Mohammad and HamadA Al- Lohedan	Effects of fiber loadings and lengths on mechanical properties of Sansevieria Cyclindrica fiber reinforced natural rubber Bio composites	Materials Research Express, IOP Publishing Ltd.	August, 2023	<a href="https://doi.org/10.1088/2053-1591/acefb0">https://doi.org/10.1088/2053-1591/acefb0</a>	SCIE (Q2)
40	Mechanical & Automobile	<b>K Hariharan, M Selvakumar, T Ramkumar</b> , P Chandramohan	Cell viability and bioactive coating on additive manufactured polycaprolactone substrate for osteointegration applications	Chemical Physics Impact, Elsevier	December, 2023	<a href="https://doi.org/10.1016/j.chphi.2023.100409">https://doi.org/10.1016/j.chphi.2023.100409</a>	SCIE (Q2)
41	Artificial Intelligence & Data Sciemce	<b>Selvakumar Thirumalaisamy</b> , Kamaleshwar Thangavilou, Hariharan Rajadurai,Oumaima Saidani,Nazik Alturki,Sandeep kumar Mathivanan,Prabhu Jayagopal and Saikat Gochhait	Breast Cancer Classification Using Synthesized Deep Learning Model with Metaheuristic Optimization Algorithm	Diagnostics, MDPI	September, 2023	<a href="https://doi.org/10.3390/diagnostics13182925">https://doi.org/10.3390/diagnostics13182925</a>	SCIE (Q2)



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42	Civil Engineering	Subramaniam Nachimuthu Deepa, <b>Narayanan Natarajan</b> , Mohanadhas Berlin	Enhanced variational mode decomposition with deep learning SVM kernels for river streamflow forecasting.	Environmental Earth Sciences, Springer	November, 2023	<a href="https://doi.org/10.1007/s12665-023-11222-5">https://doi.org/10.1007/s12665-023-11222-5</a>	SCIE (Q2)
43	Civil Engineering	S. W. Dhengare, V Sharun, <b>M.Mariappan</b> , Pothamsetty Kasi V Rao	Development and characterization of red matta rice husk derived Si2N2O bioceramic-epoxy nanocomposite coating for damage and barrier protection of building materials	Biomass Conversion and Biorefinery, Springer	September, 2023	<a href="https://doi.org/10.1007/s13399-023-04905-3">https://doi.org/10.1007/s13399-023-04905-3</a>	SCIE (Q2)
44	Civil Engineering	<b>Dr. N. Natarajan and Mr. S. Syed Masoodhu</b>	Modification of bentonite with black cotton soil and carboxyl methyl cellulose for enhancement of hydraulic performance of geosynthetic clay liners	Water Science and Technology, IWA Publishing	March, 2024	<a href="https://doi.org/10.2166/wst.2024.093">https://doi.org/10.2166/wst.2024.093</a>	SCIE (Q2)
45	Computer Science and Engineering	<b>Dr. Bhavithra Janakiraman</b> , S.Prabu, Senthil Vadivu Mani, Dhineshkumar Krishnan	Detection of ovarian follicles cancer cells using hybrid optimization technique with deep convolutional neural network classifier	Journal of Intelligent & Fuzzy Systems, IoS Press	July, 2023	<a href="https://doi.org/10.3233/JIFS-2313">https://doi.org/10.3233/JIFS-2313</a>	SCIE (Q2)
46	Electronics and Communication Engineering	<b>S.Bharathi,Sudha V. Krishnan,Sudhakar Radhakrishnan</b> ,Valentine E.Balas	Fusion of Finger Vein Images, at Score Level, for Personal Authentication	Acta Polytechnica Hungarica, Obuda University	Jan, 2024	<a href="https://doi.org/10.12700/AP.H.21.6.2024.6.3">10.12700/AP.H.21.6.2024.6.3</a>	SCIE (Q2)
47	Science & Humanities	K Kathiresan,P Suthanthirakumar, <b>M .Mariyappan</b>	A potential red-light-emitting Pr <sup>3+</sup> - doped novel silicate phosphors: Judd– Ofelt analysis and photoluminescence properties	Journal of Materials Science: Materials in Electronics, Springer	June, 2023	<a href="https://doi.org/10.1007/s10854-023-10701-6">https://doi.org/10.1007/s10854-023-10701-6</a>	SCIE (Q2)
48	Science & Humanities	S. Vadivel, Bappi Paul, <b>B.Saravanakumar, PA Periasamy</b>	Facile synthesis of bismuth niobium oxide (Bi3NbO7) micro squares as a novel pseudocapacitive electrode material for supercapacitors	Material Letters, Elsevier	May, 2024	<a href="https://doi.org/10.1016/j.matlet.2024.136295">https://doi.org/10.1016/j.matlet.2024.136295</a>	SCIE (Q2)

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49	Science & Humanities	Sethumathavan Vadivel, V. Divya Dharshini, Kasiviswanathan Kavibharathy, Kumaran Vediappan, Bappi Paul, <b>B. Saravanakumar</b> , <b>P.A. Periasamy</b> , Sujita Prabhakar	Scalable Synthesis of Layered Bismuth Germanate (Bi <sub>12</sub> GeO <sub>20</sub> ) for Supercapacitors and Sodium ion Battery Applications	Journal of Inorganic and Organometallic Polymers and Materials, Springer	May, 2024	<a href="https://doi.org/10.1007/s10904-024-03098-0">https://doi.org/10.1007/s10904-024-03098-0</a>	SCIE (Q2)
50	Science & Humanities	S. Thulasi Krishnan , <b>S. Parveen</b> , Ahmed S. El Newehy, G.Chandramohan, G. Kalaiarasi	Green approaches for the synthesis of nickel oxide and cobalt oxide nanoparticles towards anti-oxidant and anti-cancer applications	Journal of the Indian Chemical Society, Elsevier	May, 2024	<a href="https://doi.org/10.1016/j.jics.2024.101187">https://doi.org/10.1016/j.jics.2024.101187</a>	SCIE (Q2)
51	Science & Humanities	Dhatchinamoorthy M, Gobinath E, <b>S. Parveen</b> , Dharani S, Kalaiarasi G	New Ruthenium(II) arene complexes appended curcumin based ydrazine: Synthesis, spectral characterization, anti-oxidant and anticancer studies	Chemical Papers, Springer	December, 2023	<a href="https://doi.org/10.1007/s11696-023-03026-5">https://doi.org/10.1007/s11696-023-03026-5</a>	SCIE (Q2)
52	Mechanical Engineering	<b>S. V .Gurupranes</b> , I Rajendran, <b>N.Shanmuga Sundaram</b>	Suitability evaluation of Citrus limetta peel powder as a filler in fiber- reinforced plastics.Biomass Conv. Bioref.	Biomass Conversion and Biorefinery, Springer	August, 2023	<a href="https://doi.org/10.1007/s13399-023-04724-6">https://doi.org/10.1007/s13399-023-04724-6</a>	SCIE (Q2)
53	Mechanical Engineering	P.Muthusamy, M.Mohanraj, <b>T.Ramkumar</b> , M.Selvakumar	Microstructure Hight temperature wear and corrosion behavior of UNS R56320-XWC composites fabricated through powder metallurgy	Journal of Materials Engineering and Performance, Springer	May, 2024	<a href="https://doi.org/10.1007/s11665-024-09415-5">https://doi.org/10.1007/s11665-024-09415-5</a>	SCIE (Q2)
54	Information Technology	<b>Priya Varshini A.G</b> , K Anitha Kumari	Software Effort Estimation Using Stacked Ensemble Technique and Hybrid Principal Component Regression and Multivariate Adaptive Regression Splines	Wireless Personal Communications, Springer	April, 2024	<a href="https://doi.org/10.1007/s11277-024-11010-9">https://doi.org/10.1007/s11277-024-11010-9</a>	SCIE (Q2)

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55	Information Technology	<b>Ponni.P</b> , Prabha D	An optimized bagging learning with ensemble feature selection method for URL phishing detection	Journal of Electrical Engineering and Technology, Springer	November , 2023	<a href="https://doi.org/10.1007/s42835-023-01680-z">https://doi.org/10.1007/s42835-023-01680-z</a>	SCIE (Q2)
56	Information Technology	<b>Priya Varshini A.G.</b> , K Anitha Kumari	Software effort estimation using stacked ensemble techniques and proposed stacking ensemble using principal component regression as super learner	Journal of Intelligent & Fuzzy Systems, IoS Press	September, 2023	<a href="https://doi.org/10.3233/JIFS-230676">https://doi.org/10.3233/JIFS-230676</a>	SCIE (Q2)
57	Electrical and Electronics Engineering	<b>Balasubramanian, Kishore</b> , Gayathri Devi, K, Ramya, K	Classification of white blood cells based on modified U-Net and SVM	Concurrency and Computation: Practice and Experience, Wiley	July, 2023	<a href="https://doi.org/10.1002/cpe.7862">https://doi.org/10.1002/cpe.7862</a>	SCIE (Q2)
58	Electrical and Electronics Engineering	<b>Lakshminarayanan Vaduganathan</b> , Shubhangi Neware, Przemysław Falkowski-Gilski and Parameshachari Bidare Divakarachari	Spectrum Sensing Based on Hybrid Spectrum Handoff in Cognitive Radio Network	Entropy, MDPI	August, 2023	<a href="https://doi.org/10.3390/e25091285">https://doi.org/10.3390/e25091285</a>	SCIE (Q2)
59	Electrical and Electronics Engineering	<b>Ms.V.Karpagam</b> , Dr.N.Narmadhai	Seven levels highly efficient modular multilevel matrix converter (M3C) for low frequency threephase AC-AC conversion	Automatika-Journal for Control, Measurement, Electronics, Computing and Communications, Taylor & Francis	September, 2023	<a href="https://doi.org/10.1080/00051144.2023.2253067">https://doi.org/10.1080/00051144.2023.2253067</a>	SCIE (Q2)
60	Mechanical Engineering	Balasundar, P., S. Senthil, P. Narayanasamy, and <b>T. Ramkumar</b> .	Mechanical, thermal, electrical, and corrosion properties of microwave-sintered Ti-0.8 Ni-0.3 Mo/TiB composites	Physica Scripta, IOP Publishing Ltd.	June, 2023	10.1088/1402-4896/acd6c5	SCIE (Q2)
61	Electronics and Communication Engineering	<b>R.S.Venkatesan</b> ,Rajeswari M,Brindha D,Krishnapriya K	Performance Analysis of AlN/GaN HEMTs on $\beta$ -Ga2O3 Through	Journal of Electronic Materials, Springer	May, 2024	10.1007/s11664-024-11100-1	SCIE (Q2)

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62	Information Technology	Rohit Dilip, <b>A.P.Janani</b> , M.Jayasudha	User interface with natural language using web extraction technique based on autonomous data flow diagram	Transactions on Asian and Low-Resource Language Information Processing, ACM	October, 2023	-	SCIE (Q2)
63	Mechanical & Automobile	<b>M Selvakumar,T Ramkumar</b> , P.Chandramohan	Crack free Hard Facing Operations for orifice plate used in Oil Refinery applications	Journal of Process Mechanical Engineering, SAGE Publications Inc.	April, 2024	<a href="http://doi.org/10.1177/09544089241248143">http://doi.org/10.1177/09544089241248143</a>	SCIE (Q2)
64	Mechanical & Automobile	T Kasirajan, <b>M Selvakumar</b> , <b>T.Ramkumar</b> , M Mohanraj	Thermal and Mechanical characterisation of friction stir welded dissimilar Aluminum alloys	Journal of Process Mechanical Engineering, SAGE Publications Inc.	April, 2024	<a href="https://doi.org/10.1177/09544089241241447">https://doi.org/10.1177/09544089241241447</a>	SCIE (Q2)
65	Mechanical Engineering	<b>Sreejith S Nair</b> , I Rajendran, <b>T.Ramkumar</b>	Experimental Investigation of Corten Steel Using Cold Metal Transfer Welding	Journal of Materials Engineering and Performance, Springer	November, 2023	<a href="https://doi.org/10.1007/s11665-023-08925-y">https://doi.org/10.1007/s11665-023-08925-y</a>	SCIE (Q2)
66	Mechanical Engineering	<b>Mahalingam, Jayaraj</b> , <b>Thirumurugan, R.</b> , <b>Dharmalingam</b> , <b>S. Vijayakkanna.K</b>	Effect of alkali treatment on novel natural fiber extracted from palmyra palm primary flower leaf stalk for polymer composite applications	Biomass Conversion and Biorefinery, Springer	July, 2023	<a href="https://doi.org/10.1007/s13399-023-04641-8">https://doi.org/10.1007/s13399-023-04641-8</a>	SCIE (Q2)
67	Mechanical Engineering	N. Sathishkumar1, G. Arumaikkannu, <b>K. Hariharan</b>	Design a direct rapid tool for hydro forming of metal bellows using additively manufactured polymer die	International Journal on Interactive Design and Manufacturing, Springer	September, 2023	<a href="https://doi.org/10.1007/s12008-024-01821-2">https://doi.org/10.1007/s12008-024-01821-2</a>	SCIE (Q2)

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68	Civil Engineering	Ishan Ayus, <b>Narayanan Natarajan</b> , Deepak Gupta1	Prediction of water level using machine learning and deep learning techniques.	Iranian Journal of Science and Technology-Transactions in Civil Engineering, Springer	August, 2023	<a href="https://doi.org/10.1007/s40996-023-01053-6">https://doi.org/10.1007/s40996-023-01053-6</a>	SCIE (Q3)
69	Civil Engineering	Ariyagoundar Jayaraman, Mangottiri Vasudevan & <b>Narayanan Natarajan</b>	Electrochemical assessment of zinc based anti-corrosive solutions for reinforced concrete structures and strategies for a reliable monitoring plan	Iranian Journal of Science and Technology-Transactions in Civil Engineering, Springer	July, 2023	<a href="https://doi.org/10.1007/s40996-023-01189-5">https://doi.org/10.1007/s40996-023-01189-5</a>	SCIE (Q3)
70	Civil Engineering	Mangottiri Vasudevan, <b>Narayanan Natarajan</b> , Easwaran Senthil Kumar, Selvaraj Tamizharasu, Shafiqur Rehman Luai M. Alhems, Md. Mahbub Alam	Environmental and Socio-Economic Aspects of Public Acceptance of Wind Farms in Tamil Nadu, India – Key Observations and a Conceptual Framework for Social Inclusion	Polish Journal of Environmental Studies, HARD	June, 2023	<a href="https://doi.org/10.15244/pjoes/163161">https://doi.org/10.15244/pjoes/163161</a>	SCIE (Q3)
71	Computer Science and Engineering	<b>Dr. N. Senthil Madasamy</b>	DKRF: Machine Learning with Optimised Feature Selection for Intrusion Detection	Ad Hoc & Sensor Wireless Networks, Old City Publishing	December, 2023	<a href="https://doi.org/10.32908/ahswn.v57.10485">10.32908/ahswn.v57.10485</a>	SCIE (Q3)
72	Electronics and Communication Engineering	<b>S. Bharathi</b> , M. Senthilarasi Hari K	Key Frame Extraction Based on Real-Time Person Availability Using YOLO	Journal of Wireless Mobile networks	June, 2023	<a href="https://doi.org/10.58346/JOWUA.2023.12.003">10.58346/JOWUA.2023.12.003</a>	SCIE (Q3)
73	Electronics and Communication Engineering	S.Manivannan, K.Rajalakshmi, <b>N.Saravanakumar</b>	DDR-Based PWM technique for fixed frequency three-phase to variable frequency K-phase power conversion using QZSDMC	Journal of Engineering Research, Elsevier	November, 2023	<a href="https://doi.org/10.1016/j.jer.2023.11.003">https://doi.org/10.1016/j.jer.2023.11.003</a>	SCIE (Q3)

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74	Electronics and Communication Engineering	<b>Venkatesan Rameya Sridharan</b> , Manjunathan Alagarsamy, Balamurugan Rajangam & Lalitha Sekar	Design of high efficient low power static logic circuit using SG FinFET	International Journal of Electronics, Taylor and Francis	September, 2023	<a href="https://doi.org/10.1080/00207217.2023.2261081">https://doi.org/10.1080/00207217.2023.2261081</a>	SCIE (Q3)
75	Electronics and Communication Engineering	Ganesh C, Dhanasekaran Selvaraj,, <b>C.Moorthy</b> , A Arul oli	Multimodal setiment analysis leveraging the strength of deep neural networks enhanced by the XGBoost classifier	Computer Methods in Biomechanics and Biomedical Engineering, Taylor and francis, UK.	February, 2024	<a href="https://doi.org/10.1080/10255842.2024.2313066">https://doi.org/10.1080/10255842.2024.2313066</a>	SCIE (Q3)
76	Electronics and Communication Engineering	Vishnu priyan S, Vinod kumar R, <b>Moorthy C</b> , Nishok V.S	A Fusion of deep neural networks and game theory for retinal disease diagnosis with OCT images	Journal of X ray Science and technology, IOS Press	July, 2024	<a href="https://doi.org/10.3233/XST-240027">https://doi.org/10.3233/XST-240027</a>	SCIE (Q3)
77	Science & Humanities	<b>S. Parveen</b> , M. Mohamed Subarkhan, G. Kalaiarasi,A.Manikandan M. Hashee, Hassan Fouad and A.Ansari	Synthesis, spectral characterization and biological evaluation of diosgenin coordinated ruthenium-arene complexes	Journal of Coordination Chemistry, Taylor & Francis	March, 2024	<a href="https://doi.org/10.1080/00958972.2024.2320727">https://doi.org/10.1080/00958972.2024.2320727</a>	SCIE (Q3)
78	Science & Humanities	Dhayalan M., <b>Parveen S.</b> , Thirumalaisamy S., Mohammad F., Al-Lohedan H. A., Riyaz S. U. M., Dinesh R. A., Giri J., Stalin A., Reddy G. R., Anandakumar N., and Mallik S.	Evaluating the Therapeutic Importance of Gold Nanoparticles Formed by the Biogenic Synthesis Route of Madhuca longifolia Reduction	Bio Resources, North Carolina State University	January, 2024	<a href="https://doi.org/10.15376/biores.19.1.823-841">10.15376/biores.19.1.823-841</a>	SCIE (Q3)
79	Science & Humanities	Saran, P. Vishnu, D. <b>Parveen, S.</b> Kosiha, A. Dharani, S. Kalaiarasi, G.	Biological evaluation of ruthenium(II) complexes appended curcumin derivatives: Synthesis, spectral characterization, anti-oxidant and anti- cancer studies.	Inorganica Chimica Acta, Elsevier	February, 2024	<a href="https://doi.org/10.1016/j.ica.2024.121997">https://doi.org/10.1016/j.ica.2024.121997</a>	SCIE (Q3)
80	Science & Humanities	<b>Dr.S.Parveen</b> , D.Ganesan, A Kosiha, G.Kalaiarasi	New Pd(II) complexes containing hydrazinyl oxazolyl coumarin derivatives: synthesis, spectral characterization and anti-cancer studies	Zeitschrift für Physikalische Chemie, De Gruyter	December, 2023	<a href="https://doi.org/10.1515/zpch-2023-0380">https://doi.org/10.1515/zpch-2023-0380</a>	SCIE (Q3)

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81	Science & Humanities	G. Kalaiarasi, <b>S. Parveen</b> & M.Subarkhan	Andrographolide coordinated ruthenium(II) arene complexes: Synthesis, spectral characterization, antioxidant assays, in vitro cytotoxicity, and apoptosis investigation	Journal of Coordination Chemistry, Taylor & Francis	December, 2023	<a href="https://doi.org/10.1080/00958972.2023.2291750">https://doi.org/10.1080/00958972.2023.2291750</a>	SCIE (Q3)
82	Mechanical Engineering	T. Varunkumar, <b>M. Jayaraj</b> , R.Sivakumar, N.Manikandan	Investigation of mechanical, thermal and water absorption behaviour of MWCNT's with AL2O3 reinforced polymer composite	Digest Journal of Nanomaterials and Biostructures, S.C. Virtual Company of Physics	July, 2023	<a href="https://doi.org/10.15251/DJNB.2023.183.951">https://doi.org/10.15251/DJNB.2023.183.951</a>	SCIE (Q3)
83	Mechanical Engineering	Baluchamy, Anbarasan, C. Sakthi Rajan, S. Balamurugan, and <b>J. Venkatesh</b>	Biodiesel blends for eco-friendly CRDI-VCR engines: enhancing exhaust emissions and engine performance to minimize pollutant emissions	Global NEST Journal, Environmental Science and Technology.	February, 2024	<a href="https://doi.org/10.30955/gnj.005777">https://doi.org/10.30955/gnj.005777</a>	SCIE (Q3)
84	Electrical and Electronics Engineering	<b>T.Sathesh Kumar</b> , T.Venkatesan,	A Techno-Economic Optimal Evaluation & Feasibility Analysis of Hybrid Micro grid Electrification for Smart Cities in Tamil Nadu",	Electric Power Components & Systems, Taylor & Francis	September, 2023	<a href="https://doi.org/10.1080/15325008.2023.2249883">https://doi.org/10.1080/15325008.2023.2249883</a>	SCIE (Q3)
85	Information Technology	Dr.M.Anuradha, Dr.Krishna Priya, <b>Dr.A.P.Janani</b>	Green Wireless sensor networks with workload management in cyber physical system	Journal of Internet Technology, Taiwan Academic Network Management Committee	October, 2023	-	SCIE (Q3)
86	Electrical and Electronics Engineering	<b>G.Soundarya</b> , Gunavathi, Nagarajan	Wideband and Highly Selective BandPass Filter Using Substrate Integrated Waveguide Technology for Ku-Band Applications	IETE Journal of Research, Taylor and Francis	April, 2024	<a href="https://doi.org/10.1080/03772063.2023.2273312">https://doi.org/10.1080/03772063.2023.2273312</a>	SCIE (Q3)



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87	Computer Science and Engineering	<b>Dr. N.Senthil Madasamy</b> , K.J.Eldho, T.Senthilnathan, J.Deny	A Novel Back-Propagation Neural Network for Intelligent Cyber-Physical Systems for Wireless Communications	IETE Journal of Research, Taylor & Francis	September, 2023	<a href="https://doi.org/10.1080/03772063.2023.2173669">https://doi.org/10.1080/03772063.2023.2173669</a>	SCIE (Q3)
88	Artificial Intelligence & Data Science	<b>Ms.M.Bhagavathi Priya</b> , C.Ramakrishnan, S.Karthik	Fetal 3D echo classification and segmentation using color and textural features for TR detection	Revue Roumaine des Sciences Techniques, Série Électrotechnique et Énergétique, Academia Romana.	April, 2024	<a href="https://doi.org/10.59277/RRS_T-EE.2024.1.19">https://doi.org/10.59277/RRS_T-EE.2024.1.19</a>	SCIE (Q3)
89	Mechanical Engineering	M Murugan, G Selvakumar, <b>T.Ramkumar, M Selvakumar</b>	Experimental Investigation on the Microstructure and Mechanical Properties of DSS2205 and SS304L Dissimilar Weldments	Surface Review and Letters, World Scientific	February, 2024	<a href="http://doi.org/10.1142/S0218625X24500823">http://doi.org/10.1142/S0218625X24500823</a>	SCIE (Q3)
90	Automobile Engineering	<b>MyIswamy Thirunavukkarasu</b> , Sujit Kumar, Ramadass Sakthivel, Venkatesh Rathinavelu, Manimohan Mohan Prasad	Feature of SiO <sub>2</sub> concentration on solar thermal functional characteristics of flat plate solar collector	Thermal Science, Vinča Institute of Nuclear Sciences	January, 2024	<a href="https://doi.org/10.2298/TSCI230417275T">https://doi.org/10.2298/TSCI230417275T</a>	SCIE (Q4)
91	Automobile Engineering	<b>MyIswamy Thirunavukkarasu</b> , Kavitha Selvaraj	Enhancement and experimental study on thermal behaviour of heat pipe based solar absorber by using copper oxide nanofluid	Thermal Science, Vinča Institute of Nuclear Sciences	January, 2024	<a href="https://doi.org/10.2298/TSCI230311274T">https://doi.org/10.2298/TSCI230311274T</a>	SCIE (Q4)
92	Electrical and Electronics Engineering	S. Kirubadevi, <b>T. Sathesh Kumar</b> , Sivarajan S	Optimizing Cost and Emission Reduction in Integrated Electric Vehicle Charging Stations: An Efficient Hybrid Approach,	Energy Technology, Wiley-VCH Verlag	April, 2024	<a href="http://doi.org/10.1002/ente.202301131">http://doi.org/10.1002/ente.202301131</a>	SCIE



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93	Electrical and Electronics Engineering	Jeya Daisy Irudaya Amalraj , <b>Vinoth Kumar Bojan</b> , Krishnamoorthi Murugasamy	Detection of stress level based on sweat	International Journal of Clinical and Experimental Medicine, e-Century Publishing Corporation	November, 2023	-	SCIE
94	Automobile Engineering	S Deepan Kumar, <b>Vishnu Ramesh Kumar R</b> , Devadoss Dinesh Kumar, RManojkumar, Tamilselvan A, Boopathi M, Lokesh C	Design and Thermal Analysis of Battery Thermal	SAE Technical Papers, SAE International	November, 2023	<a href="https://doi.org/10.4271/2023-28-0087">https://doi.org/10.4271/2023-28-0087</a>	Scopus
95	Automobile Engineering	L. Natrayan, <b>S.K.Ashok</b> , Seeniappan Kaliappan, Pankaj Kumar	Effect of Stacking Sequence on Mechanical Properties of Bamboo/Bagasse Composite Fiber for Automobile Seat Cushions and Upholstery Application	SAE Technical Papers, SAE International	February, 2024	<a href="https://doi.org/10.4271/2024-01-5013">https://doi.org/10.4271/2024-01-5013</a>	Scopus
96	Artificial Intellige & Machine Learning	N. Anand Kumar, <b>P. Vivekanandan</b> , A. Grace Selvarani	Blockchain Transactions In Environmental Wireless Sensor Networks Using Recurrent Neural Networks	Journal of Environmental Protection and Ecology, Scibulcom Ltd.	December, 2023	-	Scopus (Q4)
97	Civil Engineering	P.Balaganesh, M.Vasudevan, <b>N.Natarajan</b> , Kiran Babu Uppuluri, R.Balasubramani, K.Gopi	Waste to Wealth: A Futuristic Outlook for Waste Utilization in India	Advances in Science and Technology for Regenerative Agriculture, IOP Publishing Ltd.	September, 2023	<a href="https://doi.org/10.1088/1755-1315/1258/1/012011">10.1088/1755-1315/1258/1/012011</a>	Scopus
98	Civil Engineering	Balaganesh Pandiyan, Vasudevan Mangottiri, <b>Natarajan Narayanan</b>	A critical overview of recent avenues in co-composting of animal manure with other organics of varying toxicity	Journal of Solid Waste Technology and Management, Ingenta connect	September, 2023	<a href="http://doi.org/10.5276/jswtm/iswmaw/492/2023.261">http://doi.org/10.5276/jswtm/iswmaw/492/2023.261</a>	Scopus (Q4)
99	Civil Engineering	P. Balaganesh1, S Shiva Nandhini, K.Moneesh Kumar, S Pooja Ragavi, S Amritha Shankar, M. Vasudevan, <b>N. Natarajan</b>	Flow behaviour of wastewater contaminants in compost with manufactured sand under layered conditions	Journal of Solid Waste Technology and Management, Ingenta connect	September, 2023	<a href="http://doi.org/10.5276/jswtm/iswmaw/492/2023.231">http://doi.org/10.5276/jswtm/iswmaw/492/2023.231</a>	Scopus (Q4)

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100	Civil Engineering	C. Sivapragasam, Shashi Kant Dargar, <b>N. Natarajan</b>	Enhancing engineering education through pedagogical change: Application to Abstract.	Journal of Engineering Education and Transformations, Rajarambapu institute of technology	January, 2024	<a href="https://doi.org/10.16920/jeet/2024/v37is2/24127">10.16920/jeet/2024/v37is2/24127</a>	Scopus
101	Civil Engineering	Kamlesh Kumar Shukla, <b>Narayanan Natarajan</b> & Mangottiri Vasudevan	Comparison of Wind Speed Probability Distribution Models for Accurate Evaluation of Wind Energy Potential: A Case study from Kerala, India.	Journal of The Institution of Engineers (India): Series A, Springer	September, 2023	<a href="https://doi.org/10.1007/s40030-023-00734-9">https://doi.org/10.1007/s40030-023-00734-9</a>	Scopus (Q2)
102	Civil Engineering	R. Rajesh Guna, <b>M. Mariappan</b> , M.Sivaraja	Experimental Investigation Of Quarry Dust And Acacia Nilotica Ash's Performance In Concrete	European Chemical Bulletin, Deuton-X Ltd.	August, 2023	<a href="https://doi.org/10.31838/ecb/2023.12.s3.711">https://doi.org/10.31838/ecb/2023.12.s3.711</a>	Scopus
103	Civil Engineering	<b>M. Sudharsanan, A. Manikandan, Dr. K. Srinivasan</b>	Experimental Investigation on Rubberised Silica fume Concrete	Educational Administration: Theory and Practice, Auricle Global Society of Education	May, 2024	<a href="https://doi.org/10.53555/kuey.v30i5.4820">https://doi.org/10.53555/kuey.v30i5.4820</a>	Scopus
104	Civil Engineering	P. Eswaramoorthi, <b>S. Suthaviji</b> , S.Manoj, N. Jothi Lakshmi and V. Sampathkumar	Combustion Analysis of Solid Biomass Derived from Turmeric and Onion, using Nanoclay as a Binding Material, for a Sustainable Environment	Journal of Environmental Nanotechnology, Institute of Environmental Nanotechnology	March, 2024	<a href="https://doi.org/10.13074/jent.2024.03.241496">https://doi.org/10.13074/jent.2024.03.241496</a>	Scopus
105	Computer Science and Engineering	<b>N.Sumathi</b> , K.Anitha Kumari	Gene Variant Analysis for the Detection of Hemophilia: A Literature Review	Recent patents on Engineering, Bentham publisher	October, 2023	-	Scopus

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S. No.	Name of the Department	Name of the Authors in order as per Published Article ( MCET Authors Mentioned in RED Colour)	Title of the Paper	Name of the Journal and Publisher	Month & Year of Publication	DOI	Indexing
106	CSE & IT	<b>Mr.D.Manojkumar, Ms.P.Rajeswari, A. Jayalakshmi, R. Karthick</b>	Index Based Searchable Encryption on Cloud	Journal of Propulsion Technology, Beijing Institute of Technology	May, 2024	<a href="https://doi.org/10.52783/tjip.t.v45.i02.6231">https://doi.org/10.52783/tjip.t.v45.i02.6231</a>	Scopus
107	CSE & IT	<b>D.Manojkumar, P.Rajeswari, C.Nandhakumar, J.Ramprasath</b>	Graphical User Interface Based Heart Disease Analysis In Machine Learning Algorithms	Journal of Harbin Engineering University, Harbin Engineering University	July, 2023	-	Scopus
108	Computer Science and Engineering	<b>Ms.S.C.Lavanya, Dr.J.Bhavithra, Ms.B.Suganya, Ms.C.Devipriya, Mr.P.Boopathi Rajan</b>	Automatic Question Paper Generation System using Shuffling algorithm	Journal of Systems Engineering and Electronics, JSEE publisher	April, 2024	<a href="https://doi.org/10.52783/tjip.t.v44.i4.2596">20.14118.jsee.2024.V34I4.1585</a>	Scopus
109	Computer Science and Engineering	S.Jeniton, Karthick L S, <b>A.Suganya</b> , A.G.Paranthaman, P.Latha, B.Manojkumar	FPGA Based Compressed Heart Rate Changeability Recoding Algorithm	Journal of Propulsion Technology, Beijing Institute of Technology	November, 2023	<a href="https://doi.org/10.52783/tjip.t.v44.i4.2596">https://doi.org/10.52783/tjip.t.v44.i4.2596</a>	Scopus
110	Electronics and Communication Engineering	<b>Bharathi S</b> , Abarna A, Arun Pandeewaran RV, Akil G	Enhanced Security with multilevel authentication for accessing Biometric database	European Chemical Bulletin, Deuton-X Ltd, Hungary	June, 2023	-	Scopus
111	Electronics and Communication Engineering	K Akhila Krishnan, <b>B Kannapiran</b> , Nikilesh S	Artificial Neural Network and Principal component analysis models for detection of covid 19 symptoms using ECG data	The International Journal of Analytical and Experimental Model Analysis, International Center for Advanced Studies and Research	June, 2023	-	Scopus

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112	Electronics and Communication Engineering	Indhuja Nivetha.H, <b>Sathiyapriya T, Gurunathan V</b> , Monasri A	Design of High Gain compact microstrip patch antenna at ISM band	Journal of Nano Electronics and Physics, Sumy State University	June, 2023	<a href="https://doi.org/10.21272/jnep.15(4).04011">https://doi.org/10.21272/jnep.15(4).04011</a>	Scopus
113	Electronics and Communication Engineering	<b>S.Thilagavathi, T.Sathiyapriya V.Gurunathan, A.Shafeek, R.Sudhakar</b>	Design of low-profile energy-efficient wideband antenna with enhanced bandwidth for Wireless Applications	The International Journal of Analytical and Experimental Model Analysis, International Center for Advanced Studies and Research	June, 2023	-	Scopus
114	Electronics and Communication Engineering	<b>Ms.N.Sugirtham , Ms.R.Sherine Jenny</b> , B.Thiyaneswaran, Kumarganesh, C. Venkatesan,K. Martin Sagaya, Linh Dinh,Hien Dang	Modified Playfair for Text File Encryption and Meticulous Decryption with Arbitrary Fillers by Septenary Quadrature Pattern	International Journal of Networked and Distributed Computing, Springer, Springer	February, 2024	<a href="https://doi.org/10.1007/s44227-023-00019-4">https://doi.org/10.1007/s44227-023-00019-4</a>	Scopus
115	Electronics and Communication Engineering	<b>K.C.Rajarajeshwari , K.R.Gokul Anand, N.Nithiyameenatchi</b>	Parametric Analysis of Dual Band Triple Notch antenna for Internet of Vehicles	Alochana Journal, Alochana Chakra House	May, 2024	-	Scopus
116	Electronics and Communication Engineering	<b>Vanjipriya.P</b> , Madhumohan.N.S, Sreeram..K.A,Balamurali.C.N	Design of Full Adder 180 nm technology	International Research Journal of Modernization in Engineering Technology and Science, IRJMETs	March, 2024	-	Scopus
117	Electronics and Communication Engineering	Amit Kumar Varshney, <b>N.Saravanakumar</b> , P. Sridhar	Terahertz metamaterial absorber design and parametric analysis for Quad/-Penta and Hexa band applications	Journal of Optoelectronics and Advanced Materials, National Institute of Optoelectronics	December. 2023	-	Scopus (Q4)

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118	Electronics and Communication Engineering	<b>C.Gokila</b>	Design of chipless RFID tag using open stub spurline multiresonator	The International Journal of Analytical and Experimental Model Analysis, International Center for Advanced Studies and Research	January, 2024	-	Scopus
119	Science & Humanities	<b>Dr.B.Bala Vijaya Priya</b>	Responsive Hospital Website for Doctor Availability Checking to Appointment Booking	Gradiva Review Journal, Gradiva Publications.	April, 2024	-	Scopus
120	Science & Humanities	<b>Dr.R.Bhuvaneswari, Dr.B.Bala Vijaya Priya</b>	Comparison Of Protagonist's Characters In Ambai's 'A Kitchen In The Corner Of The House' And Buchi's	Madhya Bharti - Humanities and Social Sciences, Madhya Bharti	January, 2024	-	Scopus
121	Science & Humanities	<b>R. Ramesh, L. Senthil Kumar and T. Muthukumar</b>	B-H Open Sets in HGTS	Indian Journal of Natural Sciences, Tamilnadu Scientific Research Organization	October, 2023	-	Scopus
122	Science & Humanities	<b>Mr.T.Muthukumar</b> , Jayakumar T, Sujitha S, Vargees Kaviyan E	Numerical solution of Fuzzy Hybrid Neutral delay differential equation by fifth order Runge-Kutta Method	Journal of Emerging Technologies and Innovative Research, JETIR Publishing	October, 2023	-	Scopus
123	Science & Humanities	V.Chitra, <b>B.Maheswari</b>	Picture fuzzy set with disaster management and Decision making by measures	Communications on Applied Non linear analysis, CANA Publishing	January, 2024	<a href="https://doi.org/10.52783/cana.v31.397">https://doi.org/10.52783/cana.v31.397</a>	Scopus

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124	Science & Humanities	<b>R. Ramesh</b>	Decomposition of $(\mu, \lambda)$ continuity	Indian Journal of Natural Sciences, Tamilnadu Scientific Research Organization	November, 2023	-	Scopus
125	Science & Humanities	Arun Varghese, KR Sunaja Devi, <b>B.Saravanakumar</b> , DephanPinheiro,	Rational Designing of PANI based Mixed Metal Oxide Composite for High Performance Supercapacitor.	Materials Today:Proceedings, Elsevier	December, 2023	<a href="https://doi.org/10.1016/j.matpr.2023.12.003">https://doi.org/10.1016/j.matpr.2023.12.003</a>	Scopus
126	Science & Humanities	<b>Dr. R. Ramesh</b> , Ahamad	Decomposition of $(\alpha\text{-H}\sigma, \lambda)$ - Continuity	Poincare Journal of Analysis & Applications, Poincare Publishers	June, 2023	<a href="http://doi.org/10.46753/pjaa.2023.v010i01.011">http://doi.org/10.46753/pjaa.2023.v010i01.011</a>	Scopus
127	Mechanical Engineering	Kumar, SNS Santhosh, <b>J.Venkatesh</b> , V. Rahul, Bh Saroja Rani, K. Ramya Sree, V. R. Navaneeth, and S. Ram	Microstructure and fracture analysis on MIG welding of Nimonic alloy	Materials Today:Proceedings, Elsevier	August, 2023	<a href="https://doi.org/10.1016/j.matpr.2023.08.182">https://doi.org/10.1016/j.matpr.2023.08.182</a>	Scopus
128	Mechanical Engineering	<b>Mr.J.Dinesh Kumar</b>	Mechanical properties and fracture behaviour of varying filler rod composition in TIG welding of 5083 alloys	Materials Today:Proceedings, Elsevier	March, 2024	<a href="https://doi.org/10.1016/j.matpr.2024.03.001">https://doi.org/10.1016/j.matpr.2024.03.001</a>	Scopus
129	Information Technology	P.Jegathesh, <b>Ms.K.Saranya</b>	Transformer-based COVID-19 Detection System	African Journal of Biological Sciences, African Journal of Biological Sciences	May, 2024	<a href="https://doi.org/10.33472/AFJBS.6.5.2024.4731-4744">https://doi.org/10.33472/AFJBS.6.5.2024.4731-4744</a>	Scopus

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130	Information Technology	<b>Priya Varshini A.G</b> , K Anitha Kumari	Enhancing Software Effort Prediction Using Convolutional Neural Networks With Dynamic Feature Selection: Unravelling The Impact Of Environmental Factors	Journal of Environmental Protection and Ecology, Scibulcom Ltd.	July, 2023	-	Scopus (Q4)
131	Information Technology	<b>A.S.Muthanantha Murugavel, L.Meenachi</b> , V.Yamuna devi, S.Alagu Nandhitha, C.Pranav Kumar	Air Quality Monitoring System based on Machine Learning	European Chemical Bulletin, European Chemical Bulletin	July, 2023	<a href="https://doi.org/10.48047/ecb/2023.12.8.449">https://doi.org/10.48047/ecb/2023.12.8.449</a>	Scopus
132	Master of Computer Applications	<b>R. Muthusami</b> , K. Saritha,	Exploratory analysis of SARS-CoV-2 omicron variant and its subvariant propagation: global predominance of BA.1*, BA.2*, BA.5*, BE.1*, and BQ.1*	Proceedings of the IndianNational Science Academy, Springer	June, 2023	<a href="https://doi.org/10.1007/s43538-022-00064-7">https://doi.org/10.1007/s43538-022-00064-7</a>	Scopus
133	Science & Humanities	<b>Dr.S.Monolisa</b> , K.Rajam, Arokia Lancy, U Mary	Johan Zagreb Indices of some chemical Network Graphs	Indian Society for Education and Environment, Indian Society for Education and Environment.	September, 2023	<a href="https://doi.org/10.17485/IJST/v16i35.1556-icrms">https://doi.org/10.17485/IJST/v16i35.1556-icrms</a>	Scopus
134	Information Technology	<b>J. Ramprasath , Meenatchi L, Muthana Murugavel A S, G. Karthikeyan</b>	Influence of Meme Based Promotion to Increase Purchase Behaviour of Youths	Community Practioner Journal, Institute of Health Visiting	July, 2023	<a href="http://doi.org/10.17605/OSF.IO/HRD_KX">http://doi.org/10.17605/OSF.IO/HRD_KX</a>	Scopus
135	Information Technology	Karthic Sundaram, Suhana Subramanian, Yuvaraj Nataraj, <b>Sumathi Thirumalaisamy</b> ,	Improving Performance of Intrusion Detection Using ALO Selected Features and GRU Network	SN Computer Science, Springer	October, 2023	<a href="https://doi.org/10.1007/s42979-023-02311-0">https://doi.org/10.1007/s42979-023-02311-0</a>	Scopus
136	Electrical and Electronics Engineering	<b>B. Vinoth Kumar, M. Kaliamoorthy, K. Uma Maheswari, T. Anand Kumar and L. Hubert Tony Raj</b>	Evaluation Of Different Median Filters For Image Processing Tasks	ARPN Journal of Engineering and Applied Sciences, Asian Research Publishing Network	October, 2023	-	Scopus

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137	Electrical and Electronics Engineering	K. Devi Gayathri and <b>Balasubramanian Kishore</b>	Survey on the Techniques for Classification and Identification of Brain Tumour Types from MRI Images Using Deep Learning Algorithms	Recent Advances in Computer Science and Communications, Bentham Science	November, 2023	<a href="https://doi.org/10.2174/2666255816666230601150351">https://doi.org/10.2174/2666255816666230601150351</a>	Scopus
138	Electrical and Electronics Engineering	<b>Lakshmi Narayanan.V,</b> Naveeshwaran.M, Dharmendhar.S,Rajashree.K	Agribot For Seed Sowing Using Iot	TIJER - International Research Journal, TIJER Publishing	July, 2023	-	Scopus
139	Electrical and Electronics Engineering	<b>Lakshmi Narayanan V,</b> Santhosh G, Sindhu Jayabala G, Atheswaran S	IoT based Sewage Water Management using Solar	IJIRT, IJIRT Publishing	June, 2023	-	Scopus
140	Electrical and Electronics Engineering	N. Loganathan, <b>A. Selvanayakam,</b> P.Anbarasu,T. Logeswaran	Iot-Based Energy Meter Monitoring System For Sustainable Development	Journal of Environmental Protection and Ecology, SciBulCom Ltd.	February, 2024	-	Scopus (Q4)
141	Electrical and Electronics Engineering	K. Lakshmi Khandan, NMG Kumar, <b>Umamaheswari Krishnasami,</b> K.Kirubakaran, K.Vinoth, S.Kaliappan, Lakshmana Phaneendra Maguluri and Dr. A. Rajaram	Enhanced Predictive model for Grid Stability Using Hybrid GBM-LSTM Approach	International Journal of Renewable Energy Research, IJRER Publishing	March, 2024	-	Scopus
142	Electrical and Electronics Engineering	Perumal B, Balamanikandan A,Jayakumar S, Ashok Kumar N and <b>Saranya K</b>	Exact Computing Multiplier Design using 5-to-3 Counters for Image Processing,	International Journal of Electrical and Electronics Research, Forex Publication	April, 2024	-	Scopus



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143	Information Technology	<b>L.Meenachi, J.Ramprasath, A.S.Muthanantha Murugavel</b>	Hybrid Search Optimization Techniques for the Classification of Cancer Data from the Optimal Set of Features	Journal of Harbin Engineering University, Harbin Engineering University	July, 2023	-	Scopus
144	Information Technology	<b>A. S.Muthanantha Murugavel, J. Ramprasath</b> , N. Logith, K. Niranjan, L. Surya	Demand Forecasting for Unmanned Retail Marts Using Machine Learning	Journal of Harbin Engineering University, Harbin Engineering University	July, 2023	-	Scopus
145	Information Technology	<b>Dr.A.B.Arockia Christopher, Mr.Sivakumar, Dr.A.S.M.Murugavel</b> , Mrs.S.Priyatharsini, Mr.M.Rajasekar	A Study on Smart Agriculture Monitoring System Using Different IoT Applications	Gradiva Journal, Gradiva Publications.	July, 2023	<a href="https://doi.org/10.22541/au.169052791.18710090/v1">https://doi.org/10.22541/au.169052791.18710090/v1</a>	Scopus
146	Electronics and Communication Engineering	<b>C.Gokila</b>	Coding of chipless RFID tag using multiresonator	IRO journal on sustainable wireless systems, Inventive Research Organization	September, 2023	<a href="https://doi.org/10.36548/jsws.2023.3.007">https://doi.org/10.36548/jsws.2023.3.007</a>	Scopus
147	Electronics and Communication Engineering	K.Sedhuramalingam, <b>N.Saravanakumar</b>	A Hybrid Rider Optimization with Deep Learning Driven Intrusion Detection Farmwork in Wireless Sensor Network	Salud, Ciencia y Tecnología – Serie de Conferencias	May, 2024	<a href="http://dx.doi.org/10.56294/sctconf2024762">http://dx.doi.org/10.56294/sctconf2024762</a>	Scopus
148	Mechanical Engineering	J.Venkatesh	3D Design and prediction of temperature distribution of a partially ceramic coated piston used in HCCI Engine	Engineering Proceedings, MDPI	January, 2024	<a href="https://doi.org/10.3390/engproc2024061021">https://doi.org/10.3390/engproc2024061021</a>	Scopus (Q3)
149	Mechanical Engineering	J.Venkatesh	Effects of Water Based Nano-Fluid Emulsions on Pollutant Emissions using an Internet –of –Things Based Emissions Monitoring System	Engineering Proceedings, MDPI	January, 2024	<a href="https://doi.org/10.3390/engproc2024061007">https://doi.org/10.3390/engproc2024061007</a>	Scopus (Q3)
150	Master of Computer Applications	<b>Ms.B.Yesodhai, S.Rajarajeswari</b>	An Analysis of Ethics-Based Foundation and Regulatory Issues for Genomic Data Privacy	Journal of The Institution of Engineers (India): Series B, Springer	Apr, 2024	<a href="https://doi.org/10.1007/s40031-024-01058-3">https://doi.org/10.1007/s40031-024-01058-3</a>	Scopus

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151	Information Technology	<b>C. Jeevanantham</b> , C. Ramakrishnan, S. Karthic	Multiple Level Resistive Random Access Memory-Based Multiplexers Via Field Programmable Gate Array For Environmental Modelling	Journal of Environmental Protection and Ecology, SciBulCom Ltd.	July, 2023	-	Scopus (Q4)
152	Information Technology	<b>A. S. Muthanantha Murugavel</b> , <b>J.Ramprasath</b> , N. Logith, K. Niranjan, L. Surya	Demand Forecasting for Unmanned Retail Marts Using Machine Learning	European Chemical Bulletin, European Chemical Bulletin	September, 2023	<a href="https://doi.org/10.48047/ecb/2023.12.si12.008">10.48047/ecb/2023.12.si12.008</a>	Scopus
153	Information Technology	N. Revathi, K. Tamilvanan, P. Roshini Mol, and <b>J. Thimmia Raja</b>	Revolutioning Agriculture: Harnessing Power of Machine Learning for Smart Farming	Indian Journal of Natural Sciences, Tamilnadu Scientific Research Organization			Scopus
154	Mechanical Engineering	<b>K. Hariharan</b> , Sannjay SV, Jagadeeswaran M, Megavarnan M	Integrated Product Lifecycle Management for e-bicycle Design and Evolution using BMIDE and ITK Customization	Gradiva Review Journal, Gradiva Publications.	October, 2023	-	Scopus

# **BOOK PUBLICATIONS**

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1	Artificial Intelligence and Data Science	Dr.Vellingiri. J,Jagadesh.G, Dr. M.Balakrishnan	GSD Projects and Research Challenges	Lambert Academic Publishing	ISBN: 978-620-5-63367-0	October 2023
2	Information Technology	J.Ramprasath, N.Praveen Sundra Kumar, N.Krishnaraj Ms.M.Gomathi	Machine Learning based Malicious Threat Detection and Security Analysis on Software Defined Networking for Industry 4.0	Wiley	ISBN. 9781119910619	October 2023
3	Electrical and Electronics Engineering	Dr Kishore B	Futuristic Trends in Computing Technologies and Data Sciences	IIP Series	E-ISBN: 978-93-6252-329-7 Print ISBN: 978-93-6252-487-4	April 2024
4	Electrical and Electronics Engineering	Dr.K.Saranya Gnanaprakasam D Balamanikandan A	Design and Implementation of Reversible Vedic Division by Direct Flag	Lambert Academic Publishing	978620-6- 78027-4	November 2023
5	Electrical and Electronics Engineering	Ms.A.Selvanayakam Ms. Aarthi N	Monitoring and control of Smart sub stations	Lambert Academic Publishing	9786207447169	November 2023
6	Electrical and Electronics Engineering	Ms.A.Selvanayakam Ms. Aarthi N	Smart Industry monitoring and controlling system using IoT	Lambert Academic Publishing	978-620-7- 44793-0	December 2023
7	Information Technology	S.Ramakrishnan	Modern Applications of Wavelet Transform	InTech Open Publisher, United Kingdom	ISBN 978-0-85466-236-4	February 2024

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<b>S. No.</b>	<b>Name of the Department</b>	<b>Name &amp; affiliation of the author/s in order as per published article</b>	<b>Title of the Book</b>	<b>Name of the Publisher</b>	<b>ISBN Number</b>	<b>Month &amp; Year of Publication</b>
8	Information Technology	Ramakrishnan S	Cryptographic and Information Security Approaches for Images and Videos	CRC Press, Taylor & Francis Group, USA.	9781138563841	March 2024
9	Information Technology	Prabhu R, Varatharajan N	Internet of Things and application	AN Publication	978-81-967420-9-6	November 2023
10	Electrical and Electronics Engineering	Dr.K.Saranya Gnanaprakasam D Balamanikandan A	Design and Implementation of Reversible Vedic Division by Direct Flag	Lambert Academic Publishing	978620-6- 78027-4	November 2023
11	Electrical and Electronics Engineering	Ms.A.Selvanayakam Ms. Aarthi N	Monitoring and control of Smart sub stations	Lambert Academic Publishing	9786207447169	November 2023
12	Electrical and Electronics Engineering	Ms.A.Selvanayakam Ms. Aarthi N	Smart Industry monitoring and controlling system using IoT	Lambert Academic Publishing	978-620-7- 44793-0	November 2023

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S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
1	Civil Engineering	Sivapragasam, C., Natarajan, N.	Handbook of Research on Implementing Inclusive Educational Models and Technologies for Equity and Diversity	The use of ICT at the induction level towards bringing equity and inclusion in HEIs of India	IGI Global	ISBN13: 9798 369304532	<a href="https://doi.org/10.4018/979-8-3693-0453-2.ch004">10.4018/979-8-3693-0453-2.ch004</a>	September 2023
2	Electrical and Electronics Engineering	Mr.P.E. Kamalakkannan	Futuristic Trends in IOT	Wearable Crowdsourc Iot Fusion System To Monitor Respiratory And Fever Symptoms For Pandemic Early Warning	IIP Series	e-ISBN: 978936252126 2	=	May 2024
3	Mechanical Engineering	N. Sathiesh kumar, Debabrata Barik, Bala Murall Nagarajan	Springer Proceedings in Physics.	Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology	Springer	-	=	January 2024
4	Mechanical Engineering	Vigneshkumar M Gokilakrishnan G, Sreejith S Nair, Ashoka Varthanan P	Research Foundation of india	Evolution Of Industry 4.0 In The Indian Manufacturing Sector And Its Effects	Research Foundation of India	978-81-19135-18-9	=	December 2023
5	Information Technology	A. G. PriyaVarshini, K. AnithaKumari, E. Sneha, M. Sampathkumar& D. Janarthanababu	Proceedings of the International Conference on Machine Learning, Deep Learning and Computational Intelligence for Wireless Communication	Deep Artificial Neural Network for Software Effort Estimation	Springer	ISBN: 978-3-031-47941-0	<a href="https://doi.org/10.1007/978-3-031-47942-7">10.1007/978-3-031-47942-7</a>	April 2024
6	Information Technology	L.Meenachi, S.Ramakrishnan	Data Fusion Techniques and Applications for Smart Healthcare	Review on hybrid feature selection and classification of microarray gene expression data	Elsevier	ISBN: 978-0-443-13233- 9	<a href="https://doi.org/10.1016/B978-0-44-313233-9.00020-5">10.1016/B978-0-44-313233-9.00020-5</a>	March 2024.

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S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
7	Information Technology	S.Selvanayaki, S.Deepa,G.Keerthika	Internet of Things and AI for Natural Disaster Management and Prediction	Machine Learning Algorithms for Natural Disaster Management	IGI Global	9798369342848	<a href="https://doi.org/10.4018/979-8-3693-4284-8">10.4018/979-8-3693-4284-8</a>	March 2024
8	Information Technology	S. Ponni alias sathya, S. Ramakrishnan, P. Sathiyamurthi	Artificial Intelligence and Machine Learning Techniques in Image Processing and Computer Vision	Artificial Bee Colony Optimization Technique-Based Video Copyright Protection In DWT-PCA Domain	CRC Press	9781003425700	<a href="https://doi.org/10.1201/9781003425700">10.1201/9781003425700</a>	March 2024
9	Information Technology	Selvanayaki Palanisamy, Muthanantha Murugavel A. S., Sathiyamurthi Pattusamy, Deepa S	Technological Tools for Predicting Pregnancy Complications	Machine Learning-Based Monitoring Devices for Pregnant Women	IGI-Global	9798369317181	<a href="https://doi.org/10.4018/979-8-3693-1718-1">10.4018/979-8-3693-1718-1</a>	September, 2023
10	Information Technology	Sumathi Natarajan, A. S. Muthanantha Murugavel, Selvanayaki Palanisamy, S.Deepa	Predicting Pregnancy Complications Through Artificial Intelligence and Machine Learning	Complications in Pregnant Women	IGI Global	PP: 245-259 & 9781668489741	<a href="https://doi.org/10.4018/978-1-6684-8974-1.ch016">10.4018/978-1-6684-8974-1.ch016</a>	September, 2023
11	Information Technology	J.Ramprasath, N.PraveenSundra Kumar, N.Krishnaraj, M.Gomathi	Wireless Communication in Cyber Security	Machine Learning Based Malicious Threat Detection and Security Analysis on Software Defined Networking for Industry 4.0	Wiley, Scrivener Publishing	ISBN:9781119910435	<a href="https://doi.org/10.1002/9781119910619.ch4">10.1002/9781119910619.ch4</a>	October 2023
12	Information Technology	K.Renuka Devi	Homomorphic Encryption for Financial Cryptography	Securing Shared Data Based on Homomorphic Encryption Schemes	Springer Cham	ISBN: 978-3-031-35534-9	<a href="https://doi.org/10.1007/978-3-031-35535-6_4">10.1007/978-3-031-35535-6_4</a>	August 2023
13	Electronics and Communication Engineering	B.Senbagam , S.Bharathi	ICT : Cyber security and applications	Animal Detection in Wildlife Conservation Using Deep Learning	Springer, Singapore	217-228, 978-981-97-0744-7	<a href="https://doi.org/10.1007/978-981-97-0744-7_18">https://doi.org/10.1007/978-981-97-0744-7_18</a>	May 2024



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14	Electronics and Communication Engineering	Kumar D, Sudha V K	Intelligent Systems Design and Applications (Lecture Notes in Networks and Systems)	A Hybrid Image Steganography Method Based on Spectral and Spatial Domain with High Hiding Ratio	Springer	978-3-031-35506-6	<a href="https://doi.org/10.1007/978-3-031-27440-4_61">https://doi.org/10.1007/978-3-031-27440-4_61</a>	June 2023
15	Electronics and Communication Engineering	V.Gurunathan R.Sudhakar T.Sathiyapriya N.Sureka S.Suhita P.Aditya Sagar	Soft Computing for Security Applications	Palm Vein Biometric System using Support Vector machine Classifier	Springer	978-981-99-3607-6	<a href="https://doi.org/10.1007/978-981-99-3608-3_17">https://doi.org/10.1007/978-981-99-3608-3_17</a>	July 2023
16	Electronics and Communication Engineering	N.Sugitham R.Sherine Jenny R.Sudhakar	Homomorphic Encryption for Financial Cryptography	Improved Login Interface Algorithm for Financial Transactions Using Visual Cryptographic Authentication.	Springer	978-3-031-35534-9	<a href="https://doi.org/10.1007/978-3-031-35535-6_3">https://doi.org/10.1007/978-3-031-35535-6_3</a>	August 2023
17	Electronics and Communication Engineering	Naveen Mugesh, H. Nandha Kishore K., Harini, M. RajaRajeshwari, K.C	Modeling, Simulation and Optimization. CoMSO 2022. Smart Innovation, Systems and Technologies	L and S Beacon Dual band Antenna for Biomedical Application	Springer	Online ISBN978-981-99-6866-4	<a href="https://doi.org/10.1007/978-981-99-6866-4_44">https://doi.org/10.1007/978-981-99-6866-4_44</a>	February 2024
18	Electronics and Communication Engineering	Preethi, P.M. Yalini Shree, P.V., Mohammed Shaqeeb, N., Kavya,C., Raja Rajeshwari, K.C	Modeling, Simulation and Optimization. CoMSO 2022. Smart Innovation, Systems and Technologies	Narrow Band 5G Antenna	Springer, Singapore	Online ISBN978-981-99-6866-4	<a href="https://doi.org/10.1007/978-981-99-6866-4_30">DOIhttps://doi.org/10.1007/978-981-99-6866-4_30</a>	February 2024
19	Electronics and Communication Engineering	N.Sugitham R.Sherine Jenny R.SDudhakar	Homomorphic Encryption for Financial Cryptography	Improved Login Interface Algorithm for Financial Transactions Using Visual Cryptographic Authentication	Springer, Cham	978-3-031-35534-9	<a href="https://doi.org/10.1007/978-3-031-35535-6_3">https://doi.org/10.1007/978-3-031-35535-6_3</a>	August 2023

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S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
20	Electronics and Communication Engineering	K. C. Rajarajeshwari, S. Dharani, K. R. Gokul Anand, T. Poornima	Futuristic Trends in Network & Communication Technologies Volume 3 Book 2, IIP Series	Design and Analysis of Multi - Arm antenna for Smart Agriculture	IIP Series	ISBN: 978-93-6252-806-3	<a href="https://www.doi.org/10.58532/V3BGNC2P10CH4">https://www.doi.org/10.58532/V3BGNC2P10CH4</a>	May 2024
21	Electronics and Communication Engineering	Rajarajeshwari K. C, Saravanakumar. N, Gokul Anand K. R Poornima.T,	Futuristic Trends in Network & Communication Technologies Volume 3 Book 2, IIP Series,	Antenna trends in Thz Communication ", Futuristic trends in Network & Communication Technologies	IIP Series	ISBN: 978-93-6252-806-3	<a href="https://www.doi.org/10.58532/V3BGNC2P10CH4">https://www.doi.org/10.58532/V3BGNC2P10CH4</a>	May 2024
22	Electrical and Electronics Engineering	Dr.K.Umamaheswar	-	Principles and Applications in speed Sensing and Energy Harvesting for Smart Roads	IGI Global	ISSN: 2326-6139, EISSN: 2326-6155	<a href="https://www.igi-global.com/book/principles-applications-speed-sensing-energy/318336">https://www.igi-global.com/book/principles-applications-speed-sensing-energy/318336</a>	May 2024

# **CONFERENCE PUBLICATIONS**

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S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Month & Year of Publication
1	Artificial Intelligence and Data Science	Mr.T.Vijayakumar	A Intelligent Approach For Fault Detection In Solar Photovoltaic Systems Based On Bert-Bigru Network	International Conference On Sustainable Communication Networks And Applications	Jan-24
2	AI&DS & AIML	Mr.M.Vijayakumar & M.Bhagavathipriya	Prevent Data In Embedded Based Customized Wireless Message Transmitting System Using Aes Algorithm With Artificial Bee Colony Optimisation Techniques	Emerging Research In Computational Science	Apr-24
3	AI&DS & CYS	Ms.D.C.Kiruthikka & Ms.M.Prasannablesy	Single Shot Detector Based Mobilenet For Automatic Detection And Recognition Of License Plates	Advances In Modern Age Technologies For Health And Engineering Science	May-24
4	Artificial Intelligence and Machine Learning	Dr.Vivekanandan & S.Yamunadevi	License Plate Identification Traffic Management System Using DI	10th International Conference On Latest Trends In Science	Apr-24
5	Automobile Engineering	M. Selvakumar, K Hariharan, T. Ramkumar	Cell Viability And Bioactive Coating On Additive Manufactured Polycaprolactone Substrate For Osteointegration Applications	National Conference On Advanced Biocompatible Materials And Devices / Systems For Biomedical Applications	Aug-23
6	Automobile Engineering	M. Selvakumar, M.Mahendran, T. Ramkumar	Tribological Investigations Of Zno-Tib2 In Titanium Hybrid Composites For Biomedical Applications	National Conference On Advanced Biocompatible Materials And Devices / Systems For Biomedical Applications	Aug-23
7	Automobile Engineering	Dr.K.Sakthivadivel	Mechanical Analysis Of Al6061 Composite With Fly Ash And Graphite Reinforcement	Advances In Design, Materials, Manufacturing And Surface Engineering For Mobility	Aug-23
8	Automobile Engineering	Mr.R.Vishnuramesh Kumar	Design And Thermal Analysis Of Battery Thermal Management System For Ev	SAE International	Aug-23
9	Automobile Engineering	Jayaraj, M. Ashok, S.K. Thirumurugan, R. Shanmugam, D. Mahendran, M.	Experimental Investigation Of Mechanical Properties And Stress Analysis Of Natural Fiber Reinforced Polymer Composite Spur Gear Abaqus	International Conference On Advanced Materials And Structures	Feb-24

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10	Civil Engineering	P.S. Sathish Kumar	Comparison Of Flexural strength of Rcc Beam Using Steel And Bamboo Slat As Rebar	2nd International Conference On Innovative Research Trends In Civil Engineering	Nov-23
11	Civil Engineering	R.Anuja	Experimental Study On Sinicon Pp Photocatalytic Degradation Employed Concrete With Titanium Dioxide	Two Days National Conference On Sustainable Materials And Smart Practices-NCSMSP 2023	Oct-23
12	Civil Engineering	S.Suthaviji	Advancements In Piezoelectric Tiles: Harnessing Kinetic Energy For Sustainable Urban Power Generation	International Conference On “Research Trends In Ai And Iot For Infrastructure And Industry”	Mar-24
13	Civil Engineering	S. Sharmila	Prediction Of Compressive Strength Of Self-Compacting Fiber Reinforced Concrete Using Machine Learning Techniques	International Conference On “Research Trends In Ai And Iot For Infrastructure And Industry”	Mar-24
14	Civil Engineering	S. Sharmila	Analysis Of Microstructural Properties And Durability Characteristics Of Geopolymer Mortar	Ukieri Concrete Congress – Sustainable Concrete Infrastructure	Mar-24
15	Civil Engineering	A. Praveen Kumar	Study The Characteristic On Polymer Concrete With Waste Materials	Novel Innovation And Sustainable Development In Civil Engineering	Jun-23
16	Computer Science and Engineering	G. Uma Maheshwari	Convolution Neural Network With Unsupervised Machine Learning Approach For Feature Extraction And Brain Tumor Detection In Human Beings	Ieee International Conference On Emerging Research In Computational Science – ICERCS’23	Dec-23
17	Computer Science and Engineering	C.Devipriya	Fake Site Detection Using Machine Learning Algorithm And N-Gram Analysis	1st International Conference On Artificial Intelligence, Communication, Iot, Data Engineering And Security, IACIDS 2023	Nov-23
18	Computer Science and Engineering	Dr.A.Noble Mary Juliet,Dr.M. L. Valarmathi	Mining Sequential Pattern For Online Shopping Recommendation System Using Prefix Span Algorithm	International Conference On Emerging Trends In Materials, Computing And Communication Technologies (ICETMCCT 2023)	Nov-23
19	Cyber Security	Mr.M.Sakthivadivel	Feature Extraction And Classificationn Using Ensemble Method To Enhance Parkinsons Disease Prediction	International Conference On Intelligent Systems	Dec-23

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20	Cyber Security	Ms.Rini Angeline Vinisha	Secure File Storage Using Hybrid Cryptography	International Conference	May-24
21	Cyber Security	Ms.V.Shanmugaveni &Ms.M.Prasannablessy	Analysis Of Sentiment Using Nlp Techniques For Flipkart Reviews	International Conference	Apr-24
22	Cyber Security	Ms.V.Shanmugaveni	Optimizing Hyper Parameter In Deep Learning Algorithm For Self Driving Vehicles In Traffic Sign Recognition	International Conference	Apr-24
23	Cyber Security	Ms.M.Jotheeswari &Ms.M.Prasannablessy	An Ensemble Method Combining Deep Learning And Machine Learning Methods For Determining Type Of Melanoma	Fourth International Conference On Recent Trends In Engineering,Technology And Management	Apr-24
24	Cyber Security	Ms.M.Jotheeswari	Face And Ear Biometricrecognition Using Pcaand Lle Algorithm	10th International Conference On Latest Trends In Science, Engineering & Technology	Apr-24
25	Electronics and Communication Engineering	Gurunathan V	Finger Vein Biometric System Based On Convolutional Neural Network	4th International Conference On Data Intelligence And Cognitive Informatics (ICDICI 2023)	Jun-23
26	Electronics and Communication Engineering	R.Sherine Jenny & Dr.R.Sudhakar	Vlsi Implementation Of Secured S-Box Design For Light-Weight Block Ciphers In Low Area Applications	ICIVC 2023	Nov-23
27	Electronics and Communication Engineering	Senbagam. B & Bharathi.S	Animal Detection In Wildlife Conservation Using Deeplearning	ICTCS 2023	Nov-23
28	Electronics and Communication Engineering	N.Sugirtham Dr.R.Sudhakar	A Secure And Effective Multidimensional Data Aggregation For Wireless Body Area Networks Based On Fog Computing	International Conference On Research Trends In Ai And Iot For Infrastructure And Industry	Nov-23
29	Electronics and Communication Engineering	V Gurunathan	Iot Based Smart Footwear For Women Safety And Security Applications	4th International Conference On Artificial Intelligence,5g Communications And Network Technologies	Mar-24
30	Electronics and Communication Engineering	Thilagavathi S, Sathiyapriya T, Gurunathan V, Shafeek A, Moorthy C, Sudhakar R	Design Of Proximity Coupled Patch Antenna For Sub 6 Ghz Applications	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	Mar-24

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31	Electronics and Communication Engineering	Dr.G.Soundarya	Enhanced Image Security Through Visual Cryptography: A Strategic Approach To Privacy	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	Apr-24
32	Electronics and Communication Engineering	Ms.N.Sugirtham	Enhancing Image Security Through 2d Chaotic Maps	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	May-24
33	Electronics and Communication Engineering	Ms.N.Sugirtham	Smart Incubation And Monitoring System For Olive Ridley Turtle	17th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	May-24
34	Electronics and Communication Engineering	Ms.R.Sherine Jenny	Artificial Intelligence Techniques Based Energy Prediction Analysis And Load Forecasting Using A Dynamic Website	Intelligent Technologies For Sustainable Electric And Communications Systems (Itech Secom)"	May-24
35	Electronics and Communication Engineering	Dharani.S Gowrijayasree.L	Design And Analysis Of Cone Antenna For Rfid Super High Frequency Application	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	Dec-23
36	Electronics and Communication Engineering	K.C.Rajarajeshwari	Design And Analysis Of Arrow Shaped Antenna For Satellite Communication	International Conference On Engineering Technology And Science	May-24
37	Electronics and Communication Engineering	K.C.Rajarajeshwari,S.Dharani , L.Gowrijayasree	Design Of Dual Band Funnel Shaped Microstrip Patch Antenna With Excitation Arms For 3-30 Ghz Rfid Application	Serb Sponsore D International Conference On Recent Advancement In Material Science And Technology (ICRAMST'24)	Jan -24
38	Electronics and Communication Engineering	K.C.Rajarajeshwari,S.Dharani ,K.R.Gokul Anand	Design And Optimization Of Double Layered Wearable Antenna At 5.7ghz At Ism Band	1st International Conference On Advances In Computing,Communication And Intelligent Systems	May-24
39	Electronics and Communication Engineering	K.C.Rajarajeshwari	Cancer Cell Detection Using Convolutional Neural Network	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	Apr-24
40	Electronics and Communication Engineering	S.Sivaranjani	Design Of Proximity Coupled Patch Antenna For Sub 6 Ghz Applications	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	Apr-24

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41	Electronics and Communication Engineering	Dr.G.Soundarya	Enhanced Image Security Through Visual Cryptography: A Strategic Approach To Privacy	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	Apr-24
42	Electronics and Communication Engineering	Ms.N.Sugirtham	Enhancing Image Security Through 2d Chaotic Maps	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	May-24
43	Electronics and Communication Engineering	Ms.N.Sugirtham	Smart Incubation And Monitoring System For Olive Ridley Turtle	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	May-24
44	Electronics and Communication Engineering	Ms.R.Sherine Jenny	Design And Analysis Of Cone Antenna For Rfid Super High Frequency Application	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	May-24
45	Electronics and Communication Engineering	K.C.Rajarajeshwari	Design Of Dual Band Funnel Shaped Microstrip Patch Antenna With Excitation Arms For 3-30 Ghz Rfid Application	Serb Sponsore D International Conference On Recent Advancement In Material Science And Technology (ICRAMST'24)	May-24
46	Electronics and Communication Engineering	K.C.Rajarajeshwari,S.Dharani ,K.R.Gokul Anand	Design And Optimization Of Double Layered Wearable Antenna At 5.7ghz At Ism Band	1st International Conference On Advances In Computing,Communication And Intelligent Systems	Jan -24
47	Electronics and Communication Engineering	K.C.Rajarajeshwari	Cancer Cell Detection Using Convolutional Neural Network	16th National Conference On Signal Processing, Communication And Vlsi Design(NCSCV'24)	Mar-24
48	Electronics and Communication Engineering	S.Sivaranjani	A Novel Deep Learning Based Approach For Diagnosis Of Plant Disease From Leaf Images	12th International Conference On Contemporary Engineering And Technology 2024	Apr-24
49	Electronics and Communication Engineering	Dr.Sudha V.K.	Comparison Of Parallel Midian Filter In 90 Nm And 180nm Asic Technology	5th International Confrence On Computational Intelligence And Industry 5.0(IICCI-24)	Mar-24
50	Electronics and Communication Engineering	P.Vanji priya	Palm Vein Biometric System Using Siamese Neural Network	International Conference On Science Technology Engineering And Management (ICSTEM)	Apr-24



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51	Electronics and Communication Engineering	Mr.V.Gurunathan	Ppg Based Biometric Authentication System	International Conference On Science Technology Engineering And Management (ICSTEM)	Apr-24
52	Electronics and Communication Engineering	Mr.V.Gurunathan	Finger Vein Authentication Using Vision Transformer	International Conference On Science Technology Engineering And Management (ICSTEM)	Apr-24
53	Electronics and Communication Engineering	Mr.V.Gurunathan	Design Of Full Duplex Antenna For Wireless Applications	International Conference On Latest Trends In Science, Engineering And Technology	Apr-24
54	Electrical and Electronics Engineering	Dr.K.Saranya	Vlsi Implementation Of Area-Error Optimized Compressor-Based Modified Wallace Tree Multiplier	Trends In Electrical Electronics And Computer Engineeeing	Aug-23
55	Electrical and Electronics Engineering	Mr.J.Nagarajan	Research On Energy Management Strategy And Multi-Energy Integrated Control Of Hybrid Electric Car Considering Regenerative Braking	2023 Second International Conference On Smart Technologies For Smart Nation (Smarttechcon)	Aug-23
56	Electrical and Electronics Engineering	Dr.K.Saranya	Facial Detection And Recoginiton Based Smart System On Feature Extraction Using Rasperry Pi	International Conference On Innovative Mechanism For Industry Application	Dec-23
57	Electrical and Electronics Engineering	Selvanayakam A	Smart Menu Ordering And Billing System For Restaurant	Innovtion In Communication And Electrical Drives	Apr-24
58	Electrical and Electronics Engineering	Suganya A	Reactive Power Compensation Using Statcom	International Conference On Electrical Electronics & Communication Technology(ICEECT'24)	Apr-24
59	Electrical and Electronics Engineering	Suganya A	Enhancing Power Quality With Unified Power Flow Controller Device	International Conference On Electrical Electronics & Communication Technology	Apr-24
60	Electrical and Electronics Engineering	Saranya K	A Dynamic Power Efficient Cmos Comparator	International Conference On Innovation In Intelligence And Informatics	Apr-24

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61	Electrical and Electronics Engineering	Aarthi N	Comparative Analysis Of Pid, Fuzzy Controller For Dc To Dc Converter	International Conference On Electrical Electronics And Communication Technology	Apr-24
62	Electrical and Electronics Engineering	Prabhu Raj M	Automatic Battery Charging System With Auto Cutoff	International Conference On Electrical Electronics & Communication Technology(ICEECT'24)	Apr-24
63	Electrical and Electronics Engineering	Aarthi N	Modified High Gain Z Source Dc Dc Convertor	International Conference On Sustainable Innovations In Engineering And Management	Apr-24
64	Electrical and Electronics Engineering	Dr.K.Umamaheswari	"Optimization And Power Delay Analysis Of Different Full Adder Circuits"	Ieee Conference,2023 9th International Conference On Advanced Computing And Communication Systems (ICACCS)	May-23
65	Electrical and Electronics Engineering	Dr.K.Umamaheswari	"Design Of High-Speed Adder With Three Operands For Image Blending Applications"	Ieee Conference,2023 2nd International Conference On Advancements In Electrical, Electronics, Communication, Computing And Automation (ICAECA) 16-17 June 2023	Jun-23
66	Electrical and Electronics Engineering	A.Selvanayakam	Smart Ev With On Grid Green Energy And Wireless	International Conference On Sustainable Innovations In Engineering And Management	Apr-24
67	Electrical and Electronics Engineering	A.Selvanayakam	Speech Recognition Based Wheel Chair Control	International Conference On Electrical Electronics & Communication Technology(ICEECT'24)	Apr-24
68	Electrical and Electronics Engineering	Aarthi N	An User Freindly Monthly Electricity Billing With Sms Feature	International Conference On Electrical Electronics & Communication Technology(ICEECT'24)	Apr-24
69	Electrical and Electronics Engineering	N. Sam Suresh	An Overview Of Machine Learning And Its Applications In Antenna Design	The 4th International Conference On Innovation Research In Renewable Energy Technologies (IRRET - 2024)	Apr-24

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70	Electrical and Electronics Engineering	Dr.K.Umamaheswari	Neural Network-Based Load Forecasting For Power Grids	Ninth International Conference On Science Technology Engineering And Mathematics (ICONSTEM)	Apr-24
71	Information Technology	K S Sudhishna	Comparative Analysis Of Differenet Machine Leasrning Algorithms To Predict Depression	International Conference On Sustainable Computing And Smart Systems (ICSCSS 2023)	Jul-23
72	Information Technology	K.Saranya	Detecting Malicious Urls Using Data Analytics	International Conference On Sustainable Computing And Smart Systems (ICSCSS 2023)	Jul-23
73	Information Technology	P.Kalaivani	Fake Review Detection Using Naive Bayesian Classifier	International Conference On Sustainable Computing And Smart Systems (ICSCSS)	Jul-23
74	Information Technology	D.Manojkumar	Investigation Of Heart Rate Variability Using Machine Learning	International Conference On Research And Innovation In Biomedical Engineering	Jul-23
75	Information Technology	S.Soundariya, S.Ramakrishnan	A Cross-Domain Recommendation System For Medical Diagnosis	International Conference On Research And Innovation In Biomedical Engineering	Jul-23
76	Information Technology	T.Sumathi	Prediction Of Chronic Liver Cirrhosis Using Ensemble Classification Techniques	14th International Conference On Computing, Communication And Networking Technologies (ICCCNT)	Jul-23
77	Information Technology	Mr.R.Prabhu	A Comprehensive Review On Machine Learning For Real Time Fall Prediction Using Wearable Sensor-Based Gait Analysis	5th International Conference On Inventive Research In Computing Applications	Sep-23
78	Information Technology	Ms.D.Janani	Hospital Inpatient Analysis And Length Of Stay Prediction Using Machine Learning	International Conference On Science, Engineering & Technology	Feb-24
79	AI&DS	Mr.T.VijayaKumar	A Intelligent Approach For Fault Detection In Solar Photovoltaic Systems Based On BERT-Bigru Network	International Conference On Sustainable Communication Networks And Applications	Jan-24
80	Information Technology	K.Saranya	Stock Market Prediction Analysis Using Machine Learning Technique	1st International Conference On Emma	Feb-24

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81	Information Technology	Dr.A.B.Arockia Christopher And Mr.M.Sivakumar	Refined Rsa Encryption Algorithm To Safeguard Privacy In Healthcare Data	International Conference On Innovations In Cybersecurity And Data Science (ICICDS-2024)	Mar-24
82	Information Technology	J.Ramprasath	Identification And Mitigation Of Phishing Email Attacks Using Deep Learning	2023 3rd International Conference On Advance Computing And Innovative Technologies In Engineering (ICACITE)	Jul-23
83	Master of Computer Applications	Dr.R.Muthusami	Tweet Analysis To Detect The Trending Topics At Covid-19 Peak In India	International Conference On Recent Trends In Applied Mathematics (Hybrid Mode) ICRTAM - 2023	Oct-23
84	Master of Computer Applications	Dr.R.Muthusami	Classification Of Emotional Text Using Transformer	International Conference On Recent Trends In Applied Mathematics (Hybrid Mode) ICRTAM - 2023	Oct-23
85	Master of Computer Applications	Ms.B.Yesodhai	Ethical And Regulatory Challenges In Bioinformatics Data Privacy	International Conference On Recent Trends In Applied Mathematics (Hybrid Mode) ICRTAM - 2023	Oct-23
86	Master of Computer Applications	Dr.S.Raja Rajeswari	Ethical And Regulatory Challenges In Bioinformatics Data Privacy	International Conference On Recent Trends In Applied Mathematics (Hybrid Mode) ICRTAM - 2023	Oct-23
87	Master of Computer Applications	Ms.K.C.Theepika	Sentiment Analysis Of Covid 19 Tweets Using Natural Language Processing	International Conference On Recent Trends In Applied Mathematics (Hybrid Mode) ICRTAM - 2023	Oct-23
88	Master of Computer Applications	Ms.S.Divya Vahini	Sentiment Analysis Of Covid 19 Tweets Using Natural Language Processing	International Conference On Recent Trends In Applied Mathematics (Hybrid Mode) ICRTAM - 2023	Oct-23
89	Master of Computer Applications	Ms.G.Kirubalakshmi	An Analysis Of Heart Disease Prediction Using Machine Learning Techniques	International Conference On Recent Trends In Applied Mathematics (Hybrid Mode) ICRTAM - 2023	Oct-23

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<b>S. No.</b>	<b>Name of the Department</b>	<b>Name of the Authors</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Month &amp; Year of Publication</b>
90	Master of Computer Applications	Dr.S.Raja Rajeswari	An Analysis Of Heart Disease Prediction Using Machine Learning Techniques	International Conference On Recent Trends In Applied Mathematics (Hybrid Mode) ICRTAM - 2023	Oct-23
91	Mechanical Engineering	Mr.R.Gunasekaran	“Studies On Different Mcdm Techniques In Micro-Electrical Discharge Machining Of Titanium All	All India Manufacturing Technology,Design And Research Conference(AIMTDR 2023)	Dec-23
92	Mechanical Engineering	Bala Murali N	Enhancement Of Joint Strength Of Dissimilar Aluminum/Polymer Hybrid Joints By Friction Stir Spot Welding By Surface Textures	Emerging Trends In Engineering And Technology - ETET 2024	Feb-24
93	Mechanical Engineering	Gurupranes SV	Evaluation Mechanical Properties Of Novel Cellulosic Fiber With Natural Filler For Industrail Applications	Emerging Trends In Engineering And Technology - ETET 2024	Feb-24
94	Mechanical Engineering	Nachimuthu S	Experimental Analysis Of Az91 Alloy Material With Reinforcement Of Mos2	Emerging Trends In Engineering And Technology - ETET 2024	Feb-24
95	Mechanical Engineering	Dr.D.Nathan	Machine Learning Approach Based Milled Surface Classification Of Aa 6061 Aluminium Alloy	Emerging Trends In Engineering And Technology - ETET 2024	Feb-24
96	Mechanical Engineering	Venkatesh J	Three-Dimensional Design And Prediction Of Temperature Distribution Of A Partially Ceramic Coated Piston Used In Homogeneous Charge Compression Ignition Engine	Contemporary Perspectives In English Language, Literature And Cultural Studies (ICCPE-2023)	Mar-24
97	Mechanical Engineering	M. Gideon Ganesh	Investigation On Mechanical Properties Of Er70s-6copper-Coated Steel Wire Sample Produced By Wirearc Additive Manufacturing (Waam)	Contemporary Perspectives In English Language, Literature And Cultural Studies (ICCPE-2023)	Feb-24
98	Science and Humanities	Dr. B. Poorani , D. Nivetha	An Analysis Of Diasporic Consciousness In Selected Novels By Amitav Ghosh: Exploring Life And Work	Contemporary Perspectives In English Language, Literature And Cultural Studies (ICCPE-2023)	Jul-23

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99	Science and Humanities	R. Ramesh, L. Senthil Kumar, Muthukumar T	B - $H_{\Psi}$ -Open Sets In Hgts	International Conference On Blooming Fuzzifier Logic	Aug-23
100	Science and Humanities	R. Ramesh	Interval Valued Picture Fuzzy Topological Spaces And Application Of Interval Valued Picture Fzy Sets In Multi Criteria Decision Making	International Conference On Advances In Physical Sciences And Materials	Aug-23
101	Science and Humanities	R. Ramesh	Picture Fuzzy Soft Topological Spaces And Its Application Decision Making	International Conference On Advances In Physical Sciences And Materials	Aug-23
102	Science and Humanities	Ms.K.Rajalakshmi	Caliberating Business English Certificate With Communication Skills I & II	National E-Conference On Interdisciplinary Teaching Approaches For Future Learning	Dec-23
103	Science and Humanities	Ms.K.Rajalakshmi	A Novel Way Of Learning For Genz And Gen Alpha Learners	National E-Conference On Interdisciplinary Teaching Approaches For Future Learning	Dec-23
104	Science and Humanities	Ms.V.Arunadevi	Qualitative Study On The Impact Of Ai On The Pedagogical Approaches In Mastering The English Language	National E-Conference On Interdisciplinary Teaching Approaches For Future Learning	Dec-23
105	Science and Humanities	Ms.B.Maheswari	Infra Fuzzy Generalized Alpha Closed Sets In Infra Fuzzy Topological Space	International Conference On Emerging Trends In Computational Mathematics And Data Science	Jan-24
106	Science and Humanities	V.Regina Delcy	Optical And Chemical Activities Of Barium Chloride Doped L-Alanine Crystals	International Conference On Recent Advancements In Material Science And Technology	Jan-24
107	Science and Humanities	Ms.V.Arunadevi, Ms.K.Rajalakshmi	Harmony In The Hustle: Nurturing Mental Well-Being For Sustainable Work-Life Balance	English Two Days National Seminar On "Necessity To Empower Women In Hi-Tech Horizon: Safety And Well-Being" (Under The Theme Of Women@75)	Dec-23
108	Science and Humanities	Dr. B. Poorani, Ms. D. Nivetha	Ai At The Helm: Transforming Communicative Education For Engineering Minds With Iot	Advance Computing & Communication Systems - ICACCS 2024	Mar-24

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109	Science and Humanities	Dr. V.Regina Delcy, Dr. V.Umadevi	Structural And Spectral Insights Of Doped And Undoped L-Alanine Crystals	International Conference On Sustainable Energies And Technologies	Mar-24
110	Science and Humanities	Dr.B.Poorani ,Ms.D.Nivetha	Unveiling The Significance Of Translation Studies: Bridging Cultures, Language, And Understanding	National Conference On Sigificance Of English Language And Literature In Contemporary Scenario	Mar-24
111	Science and Humanities	Dr. M. Mariyappan	Generation Of White Light On Dy <sup>3+</sup> - Ions Activated Zinc Fluoroborate Glasses And Luminescence Studies	The Serb Sponsored International Conference On Recent Advancements In Materials Science And Technology (ICRAMST'24)	Jan-24
112	Science and Humanities	Dr.M. Mariyappan	Structural And Luminescence Investigation On Eu3+ Doped Alkali Borophosphate Glasses For Photonic Applications	67th Dae Solid State Physics Symposium	Dec-23
113	Science and Humanities	Dr. M. Mariyappan	Influence Of Silver Nano Particles On Structural And Optical Characteristics Of Dy <sup>3+</sup> Ion Doped Alkaline Boro-Phosphate Glasses	7th International Conference On Recent Innovations In Modern Science And Technology (ICRIMST – 2024)	Jan-24
114	Science and Humanities	Ms.N.Punitha	Some Exact Solutions Of Unsteady Incompressible Fluid Flow With Topology Conservation Of Vorticity Vector Field By Ansatz Method	International Conference On Recent Trends In Engineering And Development	Apr-24
115	Science and Humanities	Ms.B.Maheswari	Forecasting The Economic Cisis Of Sri Lanka: Application Of Machine Learning Algorithms For Time Series Data	Internationala Conference On Machine Learning And Data Engineering	Nov-23
116	Science and Humanities	N.Chithra	Polymer Chemistry	Internationala Conference On Influence Of Chemistry In The Transition Towards Green Economy	Mar-24
117	Science and Humanities	R.Nishanthi	B-Hb Open Sets In Hgts	International Conference On Advances In Mathematical,Computational And Physical Sciences	Mar-24
118	Science and Humanities	Dr.A.Shanmugapriya, S. Parveen, N. Chithra	Synthesis, Thermal Reactivity And Antioxidant Activity Of Aminoguanidinium Benzene Tricarboxylates	International Conference On Recent Advancements In Material Science And Technology	Jan-24



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119	Science and Humanities	R. Vilva Viruksha	Puranaanootril Nambikaigalum Nimithamgalum	Tamil Illankiyangalil Soolaliyalum Kaala Nilai Maatrangalum	Mar-24
120	Science and Humanities	R. Vilva Viruksha	Viyakka Vaikum Tamil Ariviyal	Viyakka Vaikum Tamil Ariviyal	Feb-24
121	Science and Humanities	Dr. B.Saravanakumar	A Novel Nickel(Ii) Schiff Base Complex: Theoretical, Fabrication, Thermal, And Electrochemical Performance” In International Conference On ““Energy Conversion And Storage	International Conference On Energy Conversion And Storage	Jun-23
122	Science and Humanities	Dr.B.Saravanakumar	Graphitic Carbon Nitride (G-C3n4) Blended Co3o4/Fe2o3 Nanoparticles As A Potential Supercapacitor Electrode	International Conference On Advanced Functional Materials And Devices (AFMD-2024)	Feb-24
123	Science and Humanities	L. Senthil Kumar	Synergy Of Human Language Processing And Artificial Intelligence	International Conference On Advances In Modern Age Technologies For Health And Engineering Science (AMATHE 2024)	May 2024
124	Science and Humanities	Dr.S.Monolisa	The Computation Of Topo Structural Descriptors For Thyroid And Cholesterol Inhibitors	International Conference On Artificial Intelligence In Nanomaterials Engineering Environmental And Healthcare Applications 2024	Feb-24
125	Science and Humanities	Dr. R. Bhuvaneshwari	Empowering Society: The Growth And Impact Of Women Micro-Entrepreneurs	ICSSR Sponsored One Day National Level Conference On Work Life Balance Of Women Micro Entrepreneur In Indian Society After Covid-19 Pandemic	Feb-24
126	Science and Humanities	Dr.B.Saravanakumar	Nanostructured Vanadiumm Based Materials For Energy Storage Applications	7th International Conference On Recent Innovations In Mosern Science And Technology	Jan-24