Dr. Mahalingam College of Engineering and Technology, Pollachi

Office of Dean Research & Innovation

Research Publication Details

AY 2024 – 2025

Research Publications		No. of Publications	Total
Journals	Q1	46	182
	SCIE	66	
	Scopus	70	
Books		15	218
Book Chapters		31	
Conferences		172	
		TOTAL	400

JOURNAL PUBLICATIONS

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2024 - 2025

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	Civil Engineering	L. Jino,A. Vanav Kumar,Swapnali Doley, M. Berlin,Ashwin Jacob & **N. Natarajan**	Revolutionizing EV battery cooling: Innovative hybrid nanofluid solution in an inverted right-angled triangular porous cavities for enhanced thermal regulation via natural convection	Journal of Energy Storage, Elsevier B.V.	Jun-24	https://doi.org/10.1016/j.est.2024.112470	SCIE (Q1)
2	Electrical and Electronics Engineering	Silambarasan D., **Vijeyakumar K.N. & Saranya K**	Area-efficient low-power image watermarking architecture using faithful approximation and reversible logic	Multimedia Tools and Applications, Springer Netherlands	Jul-24	https://doi.org/10.1007/s11042-024-19702-x	SCIE (Q1)
3	Electrical and Electronics Engineering	Gayathri Devi Krishnamoorthy, **Kishore Balasubramanian**	Multivariate technique for the prediction and classification of brain tumor using deep shallow network	Applied Soft Computing, Elsevier B.V.	Oct-24	https://doi.org/10.1016/j.asoc.2024.111962	SCIE (Q1)
4	Mechanical & Automobile	R. Bharathiraja, **T. Ramkumar, M. Selvakumar & K. Sasikumar**	Experimental and numerical analysis of hybrid nano-enhanced phase change material (PCM) based flat plate solar collector	Journal of Energy Storage, Elsevier B.V.	Aug-24	https://doi.org/10.1016/j.est.2024.112649	SCIE (Q1)
5	Mechanical Engineering	P. Balasundar, S. Senthil, P. Narayanasamy, Peerawatt Nunthavarawong, Abhilashsharan Tambak, **T. Ramkumar** & B.K. Parrthipan	Tribo-mechanical performance of Al-nano TiC composites processed by microwave-assisted powder metallurgy	Ceramics International, Elsevier Ltd	Jul-24	https://doi.org/10.1016/j.ceramint.2024.07.030	SCIE (Q1)
6	Mechanical Engineering	Madesh R, Barath Kumar M D, **Bala Murali N**, Nandhakumar S, Arivazhagan N, Manikandan M & Gokul Kumar K	Pulsed directed energy deposition-arc technology for depositing stainless steel 309L: Microstructural, elements distribution, and mechanical characteristics	Heliyon, Elsevier B.V.	Aug-24	https://doi.org/10.1016/j.heliyon.2024.e35279	SCIE (Q1)
7	Science & Humanities	P. Roopadevi, M. Karpagadevi, S. Krishnaprakash, Said Broumi & **S. Gomathi**	A Robust MCDM Framework for Cloud Service Selection Using Spherical Fermatean Neutrosophic Bonferroni Mean	International Journal of Neutrosophic Science, American Scientific Publishing Group (ASPG)	Aug-24	https://doi.org/10.54216/IJNS.240432	SCIE (Q1)

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
8	Science & Humanities	P. Roopadevi, M. Karpagadevi, S. Krishnaprakash, Said Broumi & **S. Gomathi**	Comprehensive Decision-Making with Spherical Fermatean Neutrosophic Sets in Structural Engineering	International Journal of Neutrosophic Science, American Scientific Publishing Group (ASPG)	Aug-24	https://doi.org/ 10.54216/IJN S.240433	SCIE (Q1)
9	Electronics and Communication Engineering	D. Kumar, **V. K. Sudha**, N. Manikandan & Krishnaraj Ramaswamy	Efficient three layer secured adaptive video steganography method using chaotic dynamic systems	Scientific Reports, Nature Publishing Group	Aug-24	https://doi.org/ 10.1038/s4159 8-024-67074-x	SCIE (Q1)
10	Electronics and Communication Engineering	**C. Moorthy**, Jampani Chandra Sekhar, Sibghatullah Inayatullah Khan, Gaurav Agrawal	Optimized brain tumor identification via graph sample and aggregate-attention network with Artificial Lizard Search Algorithm	Knowledge-Based Systems, Elsevier B.V.	Oct-24	https://doi.org/ 10.1016/j.knos ys.2024.11236 2	SCIE (Q1)
11	Electronics and Communication Engineering	K. Sedhuramalingam & **N. Saravanakumar**	A novel optimal deep learning approach for designing intrusion detection system in wireless sensor networks	Egyptian Informatics Journal, Elsevier B.V.	Sep-24	https://doi.org/ 10.1016/j.eij.2 024.100522	SCIE (Q1)
12	Science & Humanities	Sandra Mathew, Sunaja Devi K.R, **B. Saravanakumar,** Dephan Pinheiro	Strategic design of MXene/CoFe2O4/g-C3N4 electrode for high-energy asymmetric supercapacitors	Journal of Alloys and Compounds, Elsevier B.V.	Dec-24	https://doi.org/ 10.1016/j.jallc om.2024.1764 88	SCIE (Q1)
13	Electrical and Electronics Engineering	**P.E. Kamalakkannan, B. Vinoth kumar,** M. Kalamani	Optimal nonlinear Fractional-Order Proportional-Integral-Derivative controller design using a novel hybrid atom search optimization for nonlinear Continuously stirred Tank reactor	Thermal Science and Engineering Progress, Elsevier Ltd	Sep-24	https://doi.org/ 10.1016/j.tsep. 2024.102862	SCIE (Q1)
14	Electrical and Electronics Engineering	**Anand Kumar Thangapandi**,Amit Kuma, **Durgalakshmi Karthigeyan**, Suganthi Ramasamy, **Venkatesh Arumugam,** Gianluca Gattob	A novel artificial neural network based selection harmonic reduction technique for single source fed high gain switched capacitor coupled multilevel inverter for renewable energy applications	Heliyon, Elsevier B.V.	Oct-24	https://doi.org/ 10.1016/j.heli yon.2024.e385 50	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2024 - 2025

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
15	Science & Humanities	**P.A. Periasamy, B. Saravanakumar, J. Johnson William, N. Karthikeyan**, S. Vadivel	Breaking barriers of CeO2 in energy storage: Hydrothermal energized preparation of mesoporous carbon added CeO2 nanohybrids as supercapacitor electrodes	Electrochimica Acta, Elsevier Ltd	Dec-24	https://doi.org/10.1016/j.electacta.2024.145144	SCIE (Q1)
16	Mechanical Engineering	N. Radhika, M.V. Kamal, V. Ram Srivatsav, M. Sathishkumar & **T. Ramkumar**	Microstructural evaluation and optimization of wear behaviour of vacuum arc melted AlFeCrNiSi high entropy alloy	Materials Today Communications, Elsevier B.V.	Oct-24	https://doi.org/10.1016/j.mtcomm.2024.110594	SCIE (Q1)
17	Science & Humanities and EEE	**J. Johnson William, B. Saravanakumar, S. Parveen, L. Chitra & A. Senthilkumar**	Empowering the negative electrode of asymmetric supercapacitors with the multi-walled carbon nanotube supported iron tin oxide nanoclusters	Journal of Energy Storage, Elsevier B.V.	Nov-24	https://doi.org/10.1016/j.est.2024.114049	SCIE (Q1)
18	Civil Engineering	Jino Lawrence, Mohanadhas Berlin, **Narayanan Natarajan**, Mangottiri Vasudevan	Numerical analysis on the fate and transport of TiO2 nanoparticles in fractured porous media: Addressing intrinsic heterogeneities in sorptive mass transfer	Science of The Total Environment, Elsevier B.V.	Dec-24	https://doi.org/10.1016/j.scitotenv.2024.177008	SCIE (Q1)
19	Science & Humanities	Joel, C., S. D. Abraham, R. B. Bennie, M.S. M. Vasanth, **B. Saravanakumar**, Sabah Ansar, and Yedluri A. Kumar	Sustainable pseudocapacitance potential of a hybrid triad involving activated carbon derived from polyester wastes	Journal of Power Sources, Elsevier B.V.	Nov-24	https://doi.org/10.1016/j.jpowsour.2024.235649	SCIE (Q1)
20	Science & Humanities	Sethumathavan Vadivel, Venkata Sai Harish Dharmavarapu, P. Sujita, S Sarmila, V. Gopal, Nagaraj Murugan, Yoong Ahm Kim, **B. Saravanakumar, P.A. Periasamy**	A robust approach for designing a bismuth high entropy material (BiOXCO3) as a novel electrode material for supercapacitor applications	Materials Research Bulletin, Elsevier Ltd	Apr-25	https://doi.org/10.1016/j.materresbull.2024.113225	SCIE (Q1)
21	Computer Science and Engineering	R. Tino Merlin, **R. Karthick**, A. Aalan Babu, G. Vennira Selvi, D. Usha & R. Nithya	Abnormal events detection using spatio-temporal saliency descriptor and fuzzy representation analysis	Scientific Reports, Nature Publishing Group	Nov-24	https://doi.org/10.1038/s41598-024-81387-x	SCIE (Q1)

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
22	Science & Humanities	**J. Johnson William**, I. Manohara Babu, G. Muralidharan	Spherical bismuth iron oxide nanostructures as battery-type negative electrode for supercapacitor applications	Journal of Electroanalytical Chemistry, Elsevier Ltd	Dec-24	https://doi.org/10.1016/j.jelechem.2024.118869	SCIE (Q1)
23	Electrical and Electronics Engineering	P. Shanmugapriya, **T. Sathesh Kumar**, S. Kirubadevi, P. Venkata Prasad	IoT based energy management strategy for hybrid electric storage system in EV using SAGAN-COA approach	Journal of Energy Storage, Elsevier B.V.	Nov-24	https://doi.org/10.1016/j.est.2024.114315	SCIE (Q1)
24	Mechanical Engineering	Michael Roger Naveen, Logesh Kamaraj, **Hariharasakthisudhan Ponnarengan**	Sustainable optimization of compression molding parameters for high-performance titanium-based fiber metal laminates with graphene-enhanced Kevlar/jute fibers	Polymer Composites, John Wiley & Sons Inc.	Feb-25	https://doi.org/10.1002/pc.29582	SCIE (Q1)
25	Mechanical Engineering	Anbarasan Baluchamy, Murugapoopathi Saravanamuthu, **Shanmuga sundaram Natarajan** & Sakthi Rajan Chandramurthy	Analysis of energy, exergy, and emissions in a diesel engine powered by cotton silk seed oil biodiesel with varying injection timings	Environmental Science and Pollution Research , Springer Nature	Jan-25	https://doi.org/10.1007/s11356-025-35957-9	SCIE (Q1)
26	Mechanical Engineering	**Hariharasakthisudhan P**, Nafiz Imteaz, Logesh K., Adel Safa, Sathish Kannan, Sanjairaj Vijayavenkataraman, Rahmat Susantyoko	Optimization of Al_2O_3/SS316L composites fabricated via laser powder bed fusion using machine learning and multi-objective optimization	Materials Today Communications, Elsevier Ltd	Mar-25	https://doi.org/10.1016/j.mtcomm.2025.112098	SCIE (Q1)
27	Science & Humanities	Sankaranarayanan Karthikeyan, **Saravanakumar Balakrishnan**, Ting-Yu Liu, Anandhakumar Sukeri	Potassium titanate-based two-dimensional electrode material for high-current density supercapacitors	Journal of the Taiwan Institute of Chemical Engineers, Taiwan Institute of Chemical Engineers	May-25	https://doi.org/10.1016/j.jtice.2025.106044	SCIE (Q1)
28	Civil Engineering	Jino Lawrence, **Narayanan Natarajan**, Mohanadhas Berlin, Alagarsamy Vanav Kumar, Swapnali Doley, Vasudevan Mangottiri	Temporal fractionation models for depicting mass transfer limiting conditions of multispecies transport in porous media	Groundwater for Sustainable Development, Elsevier B.V.	May-25	https://doi.org/10.1016/j.gsd.2025.101438	SCIE (Q1)

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
29	Electronics and Communication Engineering	E. D. Kanmani Ruby, **T. Sathiyapriya**, P. Sundaravadivel, D. Rajesh Kumar, Om Prakash Kumar, Shweta Vincent & Pallavi R. Mane	Compact circularly polarized dual band antenna with modified patch for ISM and V2X communication systems	Scientific Reports, Nature Research	Feb-25	https://doi.org/10.1038/s41598-025-89937-7	SCIE (Q1)
30	Mechanical Engineering	Michael Roger Naveen, Logesh Kamaraj, **Hariharasakthisudhan Ponnarengan**	Bayesian optimization and neural network prediction of graphene-titanium fiber metal laminates	Materials Today Communications, Elsevier Ltd	Apr-25	https://doi.org/10.1016/j.mtcomm.2025.112355	SCIE (Q1)
31	Mechanical Engineering	Gokulkumar Sivanantham, Vinod Ayyappan, Prabhu Loganathan, Sasi Kumar Mani, **Gurupranes Sivaraj Vijaya**, Vijay Raghunathan, Sanjay Mavinkere Rangappa, Suchart Siengchin	Sustainable hybrid composites from flax, vetiver, and Luffa cylindrica: Acoustic and structural performance	Polymer Composites, John Wiley & Sons Inc.	Apr-25	https://doi.org/10.1002/pc.29900	SCIE (Q1)
32	Electronics and Communication Engineering	**Sherine Jenny Rajan, Sugirtham Narayanaswamy,** Thiyaneswaran Balashanmugam, Kumarganesh Sengottaiyan, Anthoniraj Selvaraj, Pratham Majumder, Amal Al-Rasheed, Masresha Getahun & Ben Othman Soufiene	Efficient traffic management with adaptive SDN in vehicular networks	Scientific Reports, Nature Research	Apr-25	https://doi.org/10.1038/s41598-025-96365-0	SCIE (Q1)
33	Information Technology	**R. Prabhu & V. Seethalakshmi**	A comprehensive framework for multi-modal hate speech detection in social media using deep learning	Scientific Reports, Nature Research	Apr-25	https://doi.org/10.1038/s41598-025-94069-z	SCIE (Q1)
34	Science & Humanities	K. Sasikumar, M. Theanmozhi, P. Devaraji, Chinnakonda S. Gopinath, **B. Saravanakumar**, R. Jude Vimal Michael	Influence of natural carbon template on Ag-ZnO nanocomposites for enhanced supercapacitor, photocatalytic hydrogen production and antifungal activity	Materials Science in Semiconductor Processing, Elsevier Ltd	Mar-25	https://doi.org/10.1016/j.mssp.2025.109523	SCIE (Q1)

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
35	Science & Humanities	Arun Varghese, Kalathiparambil Rajendra Pai Sunajadevi, Dephan Pinheiro, **B. Saravanakumar**, Manickam Selvaraj,	Advancing energy production and storage: Polypyrrole/V2O5/MnO2 composite as a high-performance electrocatalyst	International Journal of Hydrogen Energy, Elsevier Ltd	Apr-25	https://doi.org/10.1016/j.ijhydene.2025.03.419	SCIE (Q1)
36	Science & Humanities and Mechanical	**Sheikdawood Parveen, Saravanakumar Balakrishnan**, Thathan Premkumar, **Johnson William**, Hung-Huy Nguyen, Krishnan Srinivasan, Subramaniam Vijayakumar,Balakrishnan Abhayram Subbiah Govindarajan, **Thulasiram Ramkumar**	Exploring novel nickel schiff-base complexes: One-pot green synthesis, density functional theory studies, and structural investigations toward energy storage applications	Journal of Power Sources, Elsevier Ltd	Apr-25	https://doi.org/10.1016/j.jpowsour.2025.236942	SCIE (Q1)
37	Mechanical & Automobile	**T Ramkumar, R VishnuRameshkumar**, M Selvakumar, Aruchamy Mohanprasanth	Enhanced microstructural, corrosion properties and in vitro biocompatibility of high-entropy alloy coated over titanium by laser cladding	Materials Today Communications, Elsevier Ltd	Apr-25	https://doi.org/10.1016/j.mtcomm.2025.112589	SCIE (Q1)
38	Mechanical Engineering	**Hariharan K**, Arumaikkannu G, N. Sathishkumar, C. Chandrasekhara Sastry	Pulsed Laser Deposition of Hydroxyapatite Coatings on Laser Sintered Polyamide for Enhanced Osseointegration	Materials Chemistry and Physics, Elsevier B.V.	Apr-25	https://doi.org/10.1016/j.matchemphys.2025.130956	SCIE (Q1)
39	Mechanical Engineering	**P. Hariharasakthisudhan**, Sathish Kannan & K. Logesh	Optimizing LPBF process parameters and Al2O3 reinforcement in 17–4 PH stainless steel composites using ANN and NSGA-II	International Journal of Mechanics and Materials in Design, Springer Netherlands	May-25	https://doi.org/10.1007/s10999-025-09766-4	SCIE (Q1)
40	Mechanical Engineering	Michael Roger Naveen, Logesh Kamaraj, **Hariharasakthisudhan Ponnarengan**	Fatigue resistance and fracture toughness improvement in nanoclay-modified Titanium-Kevlar/Jute fiber metal laminate	Polymer Composites, John Wiley & Sons Inc.	May-25	https://doi.org/10.1002/pc.30001	SCIE (Q1)
41	Mechanical & Automobile	**T. Ramkumar, R. VishnuRameshKumar**, M. Selvakumar, P. Thiruramanathan	Investigation of microstructural and mechanical performance of HEA alloy coated over titanium processed by laser cladding	Journal of Alloys and Compounds, Elsevier B.V.	May-25	https://doi.org/10.1016/j.jallcom.2025.181086	SCIE (Q1)

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
42	Mechanical Engineering	**Hariharasakthisudhan**, A. Varun Kumar, K. Sathickbasha, Jitendra Kumar Katiyar	Tribocorrosion challenges and surface engineering strategies for magnesium-based biodegradable materials: A critical review	Tribology International, Elsevier	May-25	https://doi.org/10.1016/j.triboint.2025.110824	SCIE (Q1)
43	Science & Humanities	V. Gopal, Sethumathavan Vadivel, P. Sujita, Tamilselvan Anbarasan, Bappi Paul, **B. Saravankumar**	Facile synthesis of ternary potato-like $Bi_2O_2CO_3/\beta$-$Co(OH)_2$ wires/carbon aerogel heterostructures for supercapacitor applications	Diamond & Related Materials, Elsevier B.V.	Jun-24	https://doi.org/10.1016/j.diamond.2024.111296	SCIE (Q1)
44	Science & Humanities	V. Gopal , Sethumathavan Vadivel , P. Sujita , Harshavardhan Mohan, **B. Saravanakumar**	Supercapacitor potentiality of bismuth selenide-manganese selenide nanocomposite electrodes	Inorganic Chemistry Communications, Elsevier B.V.	Sep-24	https://doi.org/10.1016/j.inoche.2024.113207	SCIE (Q1)
45	ECE & EEE	**K.C. Raja rajeshwari** , K. Mohaideen Abdul Kadhar, **Nithya Kumar**, S. Tamilselvi, Mohammad Zakir Bellary, Vijayanandh Raja, Abdulrajak Buradi, **B Vinoth Kumar**, Addisu Frinjo Emma	Single input multiple output maze shaped array antenna for millimeter wave applications	Results in Engineering, Elsevier B.V.	Sep-24	https://doi.org/10.1016/j.rineng.2024.102097	SCIE (Q1)
46	Science & Humanities	**S. Parveen,A. Shanmugapriya, B. Saravanakumar, J.Johnson William, N. Chithra**	Micrometer long bimetallic Nickel-cobalt schiff base MOF as supercapacitor electrodes	Next Materials, Elsevier B.V.	Apr-25	https://doi.org/10.1016/j.nxmate.2024.100339	SCIE (Q1)
47	Science & Humanities	M. Selvakumar, S. Maruthamuthu, **B. Saravanakumar** & A. Tony Dhiwahar	Design of zinc-doped copper ferrite nanostructures using microwave combustion process and its supercapacitive features	Journal of Materials Science: Materials in Electronics , Springer New York	Jul-24	https://doi.org/10.1007/s10854-024-13105-2	SCIE (Q2)
48	Science & Humanities	M. Selvakumar, S. Maruthamuthu, E. Vijayakumar, **B. Saravanakumar** & A. Tony Dhiwahar	Electrochemical Investigation of Magnesium-Doped Copper Ferrite Nanostructures for Asymmetric Supercapacitor Applications	Journal of Electronic Materials , Springer New York	Jul-24	https://doi.org/10.1007/s11664-024-11293-5	SCIE (Q2)

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
49	Mechanical, Automobile & S&H	M. Giridharadhayalan, **T. Ramkumar, M. Selvakumar & S. Parveen**	Experimental and Numerical Fatigue Life Assessment of Ti–5Al–2.5Sn Reinforced Tungsten Particle Composites	Transactions of the Indian Institute of Metals , Springer	Jul-24	https://doi.org/10.1007/s12666-024-03407-8	SCIE (Q2)
50	Electrical and Electronics Engineering	Sarathkumar Duraisamy, **Sathesh Kumar Thirumalaisamy,** Suresh Muthusamy, Raymon Antony Raj, Sabarish Ponnusamy, Kishor Kumar Sadasivuni, Nebojsa Bacanin & Karuppanan Pitchai	A novel mathematical approach for modeling the dielectric response surface of the transformer oil to predict the optimized functions of transformers in high-power applications	Electrical Engineering , Springer Verlag	Jul-24	https://doi.org/10.1007/s00202-024-02564-9	SCIE (Q2)
51	Science & Humanities	**N. Karthikeyan, B. Saravanakumar, William J. Johnson, P.A. Periasamy,** P Sakthivel & P. Christopher Selvin	Surfactant-mediated synthesis of bismuth oxide nanostructures as negative electrode for supercapacitors	Applied Physics A , Springer Heidelberg	Jun-24	https://doi.org/10.1007/s00339-024-07567-8	SCIE (Q2)
52	Science & Humanities	Laxman Singh, Sunil Kumar, **Saravana Kumar Balakrishnan**, Atendra Kumar, Anees A. Ansari, Akhilesh Kumar, Abhishek Rai, Ashish Kumar Srivastava & Avinash Kumar Sonkar & Youngil Lee	Low temperature auto-flame fabricated LiMn1.5Ni0.5O4 materials as spinel electrode for supercapacitor	Journal of Materials Science: Materials in Electronics , Springer New York	Jun-24	https://doi.org/10.1007/s10854-024-12755-6	SCIE (Q2)
53	Mechanical Engineering	N Gnanasekar, **Rama Thirumurugan, M Jayaraj**, N. Manikandan, N. Nagaprasad & Krishnaraj Ramaswamy,	Investigation of Moving Load Distribution with the Effect of LDR and LSR on Three-dimensional Fatigue Fracture Behavior of Spur Gear Drive	International Journal of Precision Engineering and Manufacturing	Jul-24	10.1007/s12541-024-00983-z	SCIE (Q2)
54	Mechanical & Automobile	M. Giridharadhayalan, **T. Ramkumar & M. Selvakumar**	Investigation on the mechanical and tribological behavior of tungsten-reinforced Ti-5Al-2.5Sn composites	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	Sep-24	https://doi.org/10.1177/09544089241277692	SCIE (Q2)

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
55	Mechanical Engineering	**N. Shanmuga Sundaram, Jayaraj Mahalingam, K. Vijayakkannan, S. V. Gurupranes,** Rajendran Prabakaran, Sung Chul Kim, Saravanan Pandiaraj & Mostafizur Rahaman	Investigations on the Mechanical, Morphological, and Thermal Degradation Properties of Alkali-Treated Polymer Composites Reinforced with an Areca Palm Leaf Stalk Fibers	Waste and Biomass Valorization , Springer Science and Business Media B.V.	Sep-24	https://doi.org/10.1007/s12649-024-02704-z	SCIE (Q2)
56	Science & Humanities	P. Dhivakar, G. Kalaiarasi, **S. Parveen**, Nouf M. Alyami, Fatimah S. Alkhattaf, Priya Prasad	New Organoruthenium(II) Complexes Containing Andrographolide-Appended Hydrazide Derivatives: Synthesis, Spectral Characterization, Anticancer Evaluation	Applied Organometallic Chemistry, John Wiley and Sons Ltd	Sep-24	https://doi.org/10.1002/aoc.7777	SCIE (Q2)
57	Electrical and Electronics Engineering	Senthil Prabakaran, Navaneetha Krishnan Muthunambu, **Nagarajan Jeyaraman**	Empowering Digital Civility with an NLP Approach for Detecting 𝕏 (Formerly Known as Twitter) Cyberbullying through Boosted Ensembles	ACM Transactions on Asian and Low-Resource Language Information Processing, Association for Computing Machinery	Nov-24	https://doi.org/10.1145/3695251	SCIE (Q2)
58	Automobile Engineering	Sivasubramanian Palanisamy, Ganesan Karuppiah, Praveen Kumar, **Shanmugam Dharmalingam**, Suhail Mubarak, Carlo Santulli, Nadir Ayrilmis, Srikanth Karumuri	Effect of Process Parameters and Material Selection on the Quality of 3D Printed Products by Fused Deposition Modeling (FDM): A Review	Advances in Polymer Technology , John Wiley & Sons Inc.	Nov-24	https://doi.org/10.1155/adv/3480281	SCIE (Q2)
59	Electronics and Communication Engineering	**T. Sathiyapriya, R. Sudhakar**	Design of Circularly Polarized Koch Snowflake Fractal Antenna With Schottky Band Diode Rectifiers for RF Energy Harvesting Applications	International Journal of Communication Systems, John Wiley & Sons Inc.	Nov-24	https://doi.org/10.1002/dac.6063	SCIE (Q2)
60	Science & Humanities	Kasber Elankathirselvan, Krishnan Srinivasan, **Sheikdawood Parveen**, William T.A. Harrison	A new hydrazone-hydrazide based silver(I) complex as a single-source solid state precursor for photo-catalytically active silver nanoparticles: structural study and antioxidant and electrochemical applications	Journal of Molecular Structure, Elsevier Ltd	Mar-25	https://doi.org/10.1016/j.molstruc.2024.140925	SCIE (Q2)

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
61	Civil Engineering	**S. Krishnakumar**, V. Sreevidhya, S. Vivek & V. Priya	Drought Vulnerability Assessment Using GIS and Remote Sensing Techniques: A Case Study in Part of Coimbatore, Tamil Nadu, India	Journal of the Indian Society of Remote Sensing, Springer	Nov-24	https://doi.org/10.1007/s12524-024-02038-2	SCIE (Q2)
62	Mechanical, ECE & Automobile	**T. Ramkumar, V. K. Sudha, M. Selvakumar** & P. Muthusamy	Prediction of Tribological Performance of Ti-3Al-2.5 V-xWC Composite using Machine Learning Models	Journal of Materials Engineering and Performance, Springer New York	Dec-24	https://doi.org/10.1007/s11665-024-10532-4	SCIE (Q2)
63	Automobile Engineering, Mechanical Engineering & Information Technology	**S.K. Ashok, D. Shanmugam, S. Ponni Alias Sathy and M. Jayaraj**	Effect of process parameters on the corrosion characteristics of friction stir welded aluminum alloy AA2014-T6	Aeronautical Journal, Cambridge University Press	Jan-25	https://doi.org/10.1017/aer.2024.133	SCIE (Q2)
64	Civil Engineering	Mangottiri Vasudevan & **Narayanan Natarajan**	Towards achieving sustainable bioplastics production and nutrient recovery from wastewater—a comprehensive overview on polyhydroxybutyrate	Biomass Conversion and Biorefinery, Springer Verlag	Feb-25	https://doi.org/10.1007/s13399-022-02399-z	SCIE (Q2)
65	Civil Engineering	S. W. Dhengare, V Sharun, **M. Mariappan** & 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 Verlag	Nov-24	https://doi.org/10.1007/s13399-023-04905-3	SCIE (Q2)
66	Science & Humanities	Priya Prasad, **S. Parveen**, Abdullah A. Alarfaj, Abdurahman Hajinur Hirad, M. Mohamed Subarkhan, S. Dhanapal, G. Kalaiarasi	Palladium(II) complexes containing andrographolide appended N,O heterocyclic chelators: Investigation of anti-oxidant, anti-cancer and apoptotic activities	Journal of Inorganic Biochemistry, Elsevier Inc.	Apr-25	https://doi.org/10.1016/j.jinorgbio.2025.112830	SCIE (Q2)

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
67	Mechanical Engineering	Sathish Kannan, **Hariharasakthisudhan P**, K Logesh, M Varatharajulu, KK Thomas, Salman Pervaiz	Studies on surface roughness and axial thrust force of drilled holes in Mg-Zn-Ca bio-medical alloy	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	Oct-24	https://doi.org/10.1177/09544062241285216	SCIE (Q2)
68	Science & Humanities	V. Gopal, Sethumathavan Vadivel, P. Sujita, Vaiyapuri Soundharrajan, **B. Saravanakumar & P. A. Periasamy**	Unveiling the power of hexagon-shaped KCu7S4 towards hydrogen evolution reactions and supercapacitor electrodes: a bi-functional approach	Ionics , Springer Science and Business Media Deutschland GmbH	Feb-25	https://doi.org/10.1007/s11581-025-06136-0	SCIE (Q2)
69	Automobile Engineering	**Radhakrishnan Chandran** & Rajendran Irusa Gounder	Assessing the performance and characteristics of biomass oil by fast pyrolysis of coconut outer shell and its blends	Biomass Conversion and Biorefinery , Springer Verlag	Feb-25	https://doi.org/10.1007/s13399-025-06662-x	SCIE (Q2)
70	Mechanical Engineering	N. Praveenkumar, K. Lingadurai, **T. Ramkumar** & R. Bharathiraja	Characterization and thermophysical property evaluation of ceramic and metal oxide-based hybrid nanoparticles enhanced paraffin PCM	Journal of Thermal Analysis and Calorimetry, Springer Netherlands	Feb-25	https://doi.org/10.1007/s10973-025-14110-1	SCIE (Q2)
71	Mechanical Engineering	Praveenkumar N, Lingadurai K, **Ramkumar T**, Bharathiraja R.	Characterization and thermophysical property enhancement of paraffin wax PCM using single and hybrid nanoparticles	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering	Oct-24	https://doi.org/10.1177/09544062251325641	SCIE (Q2)
72	Electronics and Communication Engineering	Manivannan, S., Rajalashmi, K. & **Saravanakumar, N**	Three-phase fixed-to-variable power and frequency conversion using voltage-fed quasi-Z-source direct matrix converter by various pulse-width-modulation control schemes	Electrical Engineering, Springer Verlag	Mar-25	https://doi.org/10.1007/s00202-025-03022-w	SCIE (Q2)

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
73	Artificial Intelligence & Machine Learning	C. Nallusamy, Uma S., **Selvakumar T.**, Kumaravel T.	Star Topology–Aware CH Selection and Geographic Routing Using Group Search Chronological Optimizer in MANET	International Journal of Communication Systems, John Wiley and Sons Ltd	Mar-25	https://doi.org/10.1002/dac.70055	SCIE (Q2)
74	Computer Science and Engineering	T. A. Karthikeyan, M. Nesasudha & **M. L. Valarmathi**	Investigations on flexible dielectric material-based wearable antenna for tumor detection	Journal of Materials Science: Materials in Electronics, Springer New York	Dec-24	https://doi.org/10.1007/s10854-024-13953-y	SCIE (Q2)
75	Mechanical Engineering	**R. Gunasekaran**, P. Hariharan & B. Mouli Prasanth	Studies on Different Multi-criteria Decision-Making Techniques in Micro-Electrical Discharge Machining of Titanium Alloy	Journal of Materials Engineering and Performance, Springer New York	May-25	https://doi.org/10.1007/s11665-025-11343-x	SCIE (Q2)
76	EEE & ECE	**Sam Suresh J. and G. Soundarya**	Low-Loss, Compact DS-OCSRR Shaped DGS Loaded HMSIW Band Pass Filter with High Fractional Bandwidth	Defence Science Journal	May-25	https://doi.org/10.14429/dsj.20211	SCIE (Q2)
77	Electrical and Electronics Engineering	K. P. Uvarajan, **Kishore Balasubramanian**, C. Gowri Shankar	Unveiling the Invisible: Powering Security Threat Detection in WSN With AI	Concurrency and Computation: Practice and Experience , John Wiley and Sons Ltd	Apr-25	https://doi.org/10.1002/cpe.70049	SCIE (Q2)
78	Mechanical Engineering	**P. Hariharasakthisudhan**, M. Kandasamy, K. Logesh & K. Sathickbasha	Machine Learning-Guided Evolutionary Optimization of Compression Molding Parameters for Graphene-Enhanced Jute Fiber Composites	Fibers and Polymers , Korean Fiber Society	May-25	https://doi.org/10.1007/s12221-025-01011-1	SCIE (Q2)
79	Electrical and Electronics Engineering	**J. Nagarajan,** M. Balasubramonian, **Kishore Balasubramanian**	Real Time Implementation of GHNN-PI Based ACM Controlled Self-Tuning FS-SNIBB Converter	Journal of Electrical Engineering & Technology, Korean Institute of Electrical Engineers	Dec-24	https://doi.org/10.1007/s42835-024-02107-z	SCIE (Q2)

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
80	Mechanical Engineering	N. Gnanasekar, **M. Jayaraj, Rama Thirumurugan, T. Ramkumar**	Studies on characteristics of natural cellulosic fibers collected from the agro-discarded Solanum trilobatum stem waste	Biomass Conversion and Biorefinery, Springer Verlag	May-25	https://doi.org/10.1007/s13399-024-05739-3	SCIE (Q2)
81	Science & Humanities	**Karthikeyan N., Saravanakumar B, Johnson William J, Periasamy P.A,** Lakshmi D, Sakthivel P, P. Christopher Selvin	Impact of Co(OH)2 in Bi2O3 nanostructures for supercapacitor applications	Journal of Solid State Electrochemistry, Springer Verlag	May-25	https://doi.org/10.1007/s10008-025-06340-y	SCIE (Q2)
82	Science & Humanities	**V. Regina Delcy** , S. Mani Naidu , G. Srihari , **V. Umadevi** , K.S. Balamurugan ,Srinivas Reddy Golkonda, Salh Alhammadi, Vasudeva Reddy Minnam Reddy ,Woo Kyoung Kim f, Amanullah Fatehmulla g	Influence of gadolinium substitution on the crystal structure of NiO and its maximized photocatalytic degradation activity on tetracycline and direct yellow pollutants	Physica B: Condensed Matter, Elsevier B.V.	Sep-24	https://doi.org/10.1016/j.physb.2024.416546	SCIE (Q2)
83	Science & Humanities	Sandra Mathew, Kalathiparambil Rajendra Pai Sunajadevi, Dephan Pinheiro, **B. Saravanakumar**	Advanced electrochemical performance of N-Ti3C2/MnO2 MXene as a promising electrode for energy storage	Emergent Materials, Springer Nature	Dec-24	https://doi.org/10.1007/s42247-024-00928-2	SCIE (Q2)
84	Science & Humanities	J. John Benitto, J. Judith Vijaya, **B. Saravanakumar**, L. John Kennedy	Microwave-driven eco-friendly fabrication of CuZrO3@GNP for superior asymmetric energy storage devices	Applied Physics A , Springer Heidelberg	Feb-25	https://doi.org/10.1007/s00339-025-08348-7	SCIE (Q2)
85	Mechanical Engineering	**T. Ramkumar, D. Nathan**, M. Selvakumar, 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 New York	Oct-24	https://doi.org/10.1007/s11665-023-08822-4	SCIE (Q2)
86	Science & Humanities	**Sheikdawood Parveen, A. Shanmugapriya, B. Saravanakuma**r, Hung-Huy Nguyen,P. Kanchana & V. Regina Delcy	Aminoguanidinium hydrogen 1,1-cyclobutane dicarboxylate: Synthesis, structural characterization and molecular docking studies	Journal of the Indian Chemical Society, Elsevier B.V.	Oct-24	https://doi.org/10.1016/j.jics.2024.101260	SCIE (Q3)

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
87	Electrical and Electronics Engineering	**Saranya Karunamurthi**, Bhaskara Rao Jammu, Nalini Bodasingi, Sreehari Veeramachaneni & Noor Mahammad S	Image Multiplication Using Novel 4:1 Approximate Compressor	IETE Journal of Research, Taylor and Francis Ltd.	Jul-24	https://doi.org/10.1080/03772063.2024.2369258	SCIE (Q3)
88	Electronics and Communication Engineering	**Gurunathan Velliangiri & Sudhakar Radhakrishnan**	Fine-tuned Siamese neural network–based multimodal vein biometric system with hybrid firefly–particle swarm optimization	Journal of Electronic Imaging, SPIE	Aug-24	https://doi.org/10.1117/1.JEI.33.4.043035	SCIE (Q3)
89	Science & Humanities	C. Lavanya, **S. Parveen**, D. Sabarinathan, Leena Saju &G. Kalaiarasi	Structural characterization and anticancer studies of copper(II) and cobalt(III) complexes containing N,O-donor heterocyclic chelators	Journal of Coordination Chemistry, Taylor and Francis Ltd.	Aug-24	https://doi.org/10.1080/00958972.2024.2387311	SCIE (Q3)
90	Civil Engineering	Sakthivel T & **Suthaviji S.**	Strength and Durability Studies on Concrete using Cashew Nut Shell Ash (CNSA) waste as Supplementary Materials	Global NEST Journal, Global NEST	Jul-24	https://doi.org/10.30955/gnj.005994	SCIE (Q3)
91	Mechanical Engineering	**Gurupranes Sivaraj Vijaya, Bala Murali Nagarajan, Jayaraj Mahalingam, Nachimuthu Somasundaram, Ayyappan Subrananian, Shanmugasundram Natarajan, Vijayakkannan Kaliyappan**	Exploring the Potential of Tamarindus indica and Caryota mitis Leaf Stalk Fibers for Sustainable Biodegradable Composites	Environmental Quality Management, John Wiley & Sons Inc.	Jan-25	https://doi.org/10.1002/tqem.70029	SCIE (Q3)
92	Mechanical Engineering	**Hariharasakthisudhan Ponnarengan**, Sivakumar Rajendran, Vikas Khalkar, Gunapriya Devarajan, Logesh Kamaraj	Data-Driven Healthcare: The Role of Computational Methods in Medical Innovation	Computer Modeling in Engineering & Sciences, Tech Science Press	Dec-24	https://doi.org/10.32604/cmes.2024.056605	SCIE (Q3)
93	Mechanical Engineering	**P. Hariharasakthisudhan**, K. Logesh, Sathish Kannan, R. Sivakumar and K. Sathickbasha	Optimizing The Process Parameter Of Abrasive Water Jet Machining Against Sub-Surface Delamination Of Nanoclay Modified Glare Laminates	Surface Review and Letters, World Scientific Publishing Co. Pte Ltd	Oct-24	https://doi.org/10.1142/S0218625X25500866	SCIE (Q3)

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
94	Electronics and Communication Engineering	Vishalatchi, K., Kumar D, R., **Sathiyapriya, T., & Gurunathan**	A low-SAR four-element antenna for ISM/NR78 band applications	International Journal of Electronics, Taylor and Francis Ltd.	Jan-25	https://doi.org/10.1080/00207217.2025.2450736	SCIE (Q3)
95	Electrical and Electronics Engineering	**Muthubharathi R**, M. Pandi, **Vinoth Kumar B, A. SenthilKumar**	Efficient Workload Allocation in IoT Fog-Cloud Architectures for Energy Efficiency and Low Latency Using DEABC Algorithm	KSII Transactions on Internet and Information Systems, Korea Society of Internet Information	Feb-25	10.3837/tiis.2025.02.002	SCIE (Q3)
96	Mechanical & Automobile	**Dharmalingam, Shanmugam & Rama, Thirumurugan & Kannusamy, Ashok & Manickavasagam, Thiruchitrambalam & Mahalingam, Jayaraj** & Palanisamy, Sivasubramanian & Santulli, Carlo & Durairaj, Thresh & Alfarraj, Saleh	Free vibration and mechanical characteristics of palmyra palm leaf stalk fibers (PPLSFs) reinforced unsaturated polyester composites	BioResources, North Carolina State University	Apr-25	http://dx.doi.org/10.15376/biores.20.2.3826-3837	SCIE (Q3)
97	Electronics and Communication Engineering	**R. S. Venkatesan**, M. Maria Dominic Savio, Ramkumar Natarajan & P. Murugapandiyan	Impact of high-k dielectrics on enhancement-mode AlGaN/GaN MISHEMTs: performance comparison with various buffer layers for RF power electronics	Journal of the Korean Physical Society, Korean Physical Society	Apr-25	10.1007/s40042-025-01360-3	SCIE (Q3)
98	Mechanical Engineering	Muthuraj Marimuthu, **Rama Thirumurugan** Ashokkumar Mohankumar, Mathanbabu Mariappan	Effect of HVOF parameter on titanium oxide (TiO2) coating characteristics on AZ81 magnesium alloy	Bulletin of the Chemical Society of Ethiopia, Chemical Society of Ethiopia	Sep-24	10.4314/bcse.v38i6.28	SCIE (Q3)
99	Mechanical Engineering	**Ayyappan Subramanian, Gurupranes Sivaraj Vijaya, Saravanaraj Devarajan**	Power Generation and Carbon Credit Earning by Solar Energy Systems	Environmental Quality Management , John Wiley & Sons Inc.	Apr-25	https://doi.org/10.1002/tqem.70094	SCIE (Q3)

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
100	VLSI	**K. N. Vijeykumar**, Silambarasan Dharmalingam, Vineel Talluri Jessy, and V. Aravind	ASIC Design of Low Power Sobel Edge Detection Filter: An Analog Approach	Journal of Circuits, Systems and Computers, World Scientific	Aug-24	https://doi.org/10.1142/S0218126624502013	SCIE (Q3)
101	Artificial Intelligence and Data Science	**J. Ramprasath**, N. Krishnaraj, V. Seethalakshmi	Mitigation Services on SDN for DistributedDenial of Service and Denial of ServiceAttacks Using Machine LearningTechniques	IETE Journal of Research, Taylor and Francis Ltd.	Jul-24	https://doi.org/10.1080/03772063.2022.2142163	SCIE (Q3)
102	Civil Engineering	Krishnapriya Sankarapandian Kanta Naga Rajesh **Sathish Kumar Pudhukumarapalayam Selvaraj** Mohammed Nabi Anwar Gulshan Taj	Examining foundry sand's potential as a partial substitute for m-sand through experimental and numerical research	Materia-Rio De Janeiro, Universidade Federal do Rio de Janeiro - UFRJ	Aug-24	https://doi.org/10.1590/1517-7076-RMAT-2024-0301	SCIE (Q4)
103	Civil Engineering	Sakthivel Thangavel, **Suthaviji Shanmugavadivel**, Manoj Shanmugamoorthy, Sampathkumar Velusamy	Pleurotus ostreatus mycelium biofilters: a sustainable approach for thermal insulation in buildings	Materia-Rio De Janeiro, Universidade Federal do Rio de Janeiro - UFRJ	Aug-24	https://doi.org/10.1590/1517-7076-RMAT-2024-0302	SCIE (Q4)
104	Automobile Engineering	Gowtham Saravanan, Ramakrishnan Thirumalaisamy, **Tamilarasan Velliyampalayam Devaraj**, Chitharthan Shanmugam, Ragu Subramaniyan, Kavi Rasu Kalimuthu, Neha Sahebkhan Pathan	Investigation on morphological and tensile properties of chemically treated Borassus Flabellifer Lontar fruit fibers	Materia-Rio De Janeiro, Universidade Federal do Rio de Janeiro - UFRJ	Aug-24	https://doi.org/10.1590/1517-7076-RMAT-2024-0302	SCIE (Q4)
105	Computer Science and Engineering	Ajit Kumar Singh Yadav, R. Radhika, V. R. Balaji, **D. Sivaganesan**, J. Cynthia, and M. Thomas Jeyanth	Distributed denial of service (DDOS) attacks and mitigation method using logistic regression-based GoogLeNet for real time in security games	International Journal of Modeling, Simulation, and Scientific Computing, World Scientific	Sep-24	10.1142/S1793962324410204	SCIE (Q4)

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	Computer Science and Engineering	S. Jebarani Evangeline, Ajit Kumar Singh Yadav, V. R. Balaji, **D. Sivaganesan**, A. Senthil Kumar, and S. S. Sivaraju	Noncooperative game-theoretic model for security enhancement in cloud gaming environments	International Journal of Modeling, Simulation, and Scientific Computing, World Scientific	Sep-24	10.1142/S179396232441021 6	SCIE (Q4)
107	Automobile Engineering	Xin Xu,Babu Maria Soosai,Yogesh Kumar, Sharma,Suresh Vellingiri, Santhanam Vajjiram, **Sakthi Vadivel Kulandaisamy** G. Venkatakotireddy, Harishchander Anandaram Desalew Mihretu Shetie	Effective utilization of Bio-Silica(BS) extracted from waste centipede grass and titanium diboride(TiB2) in aluminum ADC 12 alloy: Optimization of wear behavior using Taguchi and Artificial Neural Network (ANN)	Materia-Rio De Janeiro, Universidade Federal do Rio de Janeiro - UFRJ	Nov-24	https://doi.org/10.1590/1517-7076-RMAT-2024-0406	SCIE (Q4)
108	Computer Science and Engineering	Ajit Kumar Singh Yadav, K. Padmanaban, V. K. Navya, **D. Sivaganesan**, V. Mani, and A. Kodieswari	Cloud-Enabled Fog Computing Framework with Wireless Sensor Networks for Data Center Systems on IoT Platform	International Journal of Modeling, Simulation, and Scientific Computing, World Scientific	Nov-24	https://doi.org/10.1142/S179396232641001 1	SCIE (Q4)
109	Mechanical Engineering	Nithyanandhan Thangavel, **Naveen Kumar Shanmugavel**, Manickaraj Karuppusamy, Ramakrishnan Thirumalaisamy	Friction and wear behavior of premixed reinforcement hybrid composite materials	Materia-Rio De Janeiro, Universidade Federal do Rio de Janeiro - UFRJ	Oct-24	https://doi.org/10.1590/1517-7076-RMAT-2024-0552	SCIE (Q4)
110	Mechanical Engineering	Gokulkumar Sivanantham, **Gurupranes Sivaraj Vijaya,** Aravindh Murugan,Sathish Selvaraj,Kannan Thangavelu,Sasi Kumar Mani & Sathiya Seelan Marappan,Sanjay Siva Elango Sunitha. Vishnu Purushothaman Geetha,	Characterization and physicochemical properties of lignocellulosic fibers from Fishtail Palm (Caryota mitis) Leaf Stalks	Composites and Advanced Materials, Sage Publications Ltd	Jun-24	https://doi.org/10.1177/2634983324125696 8	SCIE
111	Electronics and Communication Engineering	**R. Sherine Jenny & R. Sudhakar**	Side-channel attack–resistant PRESENT cipher by versatile key scheduling and compact S-box utilizing optimized three-phase logic design	Cryptologia, Routledge	Jun-24	https://doi.org/10.1080/01611194.2024.2350403	SCIE

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
112	Mechanical & Automobile	**Jayaraj M., Ashok S. K., Thirumurugan R., Shanmugam D. & Mahendran M.**	Mechanical properties and stress analysis of natural fiber reinforced polymer composite spur gear	Journal of Engineering Sciences (Ukraine), Sumy State University	Aug-24	10.21272/jes.2024.11(2).d1	SCIE
113	Computer Science and Engineering	E. Latha Mercy, R. Aruna, S. Srithar, V. Mani, **D. Sivaganesan** & G. Baskar	Contour detection and deep convolutional neural networks for glaucoma detection	International Journal of System Assurance Engineering and Management, Springer India	Nov-24	10.1007/s13198-024-02569-4	Scopus (Q2)
114	CSE (Cyber Security) and AI&DS	**V. Shanmugaveni, M. Jotheeswari**, R Abarnaswara, **M. VijayaKumar** & A Manojanani	Deformable Dual Graph Aggregation Transformer Convolutional Networks with Spider Wasp Optimizer for Ovarian Tumor Classification Using Magnetic Resonance Imaging	Biomedical Materials & Devices , Springer Nature	Apr-25	https://doi.org/10.1007/s44174-025-00328-y	Scopus (Q2)
115	Science & Humanities	**Parveen, S**., Riyazur Rahman, F., Thulasi Krishnan, S., Kalaiarasi, G., Dinesh, A., Srimathi Priya, L., Gnanasekaran, L., Santhamoorthy, M., Ayyar, M., & Santhoshkumar, S.	Green Synthesis of Metal Oxide Nanoparticles via Plant Extracts for Biological Applications: A Review	Trends in Sciences, Walailak University	Apr-25	https://doi.org/10.48048/tis.2025.9592	Scopus (Q2)
116	Civil Engineering	**A. Manikandan** & K. Murali	A state-of-art review on concrete incorporating waste foundry sand	Innovative Infrastructure Solutions , Springer International Publishing AG	May-25	https://doi.org/10.1007/s41062-025-02063-1	Scopus (Q2)
117	Artificial Intelligence and Data Science	**D. C. Kiruthikka,** C. Kalaiarasan, S. Pavalarajan	Sustainable Development Of Concrete Modelbased Ant Colony Optimiser For Software Testing	Journal of Environmental Protection and Ecology, Scibulcom Ltd.	Jul-24	-	Scopus (Q3)
118	Civil Engineering	**Srinivasan. K**, Murali .K, **Anuja. R**, & Subash, N.	Investigation Of The Efficiency Of Coir Husk Ash As Road Soil Stabiliser	Journal of Environmental Protection and Ecology, Scibulcom Ltd.	Aug-24	-	Scopus (Q3)

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
119	Civil Engineering	Kumar, M. Dinesh; Vijayashanthy, S.; **Krishnakumar, S**.; Baskar, S.; Gupta, Rupesh; Vadivel, M.; Sivakumar, Vivek	Focusing The Removal Of Dyes From Wastewater Effluents	Journal of Environmental Protection and Ecology , SciBulCom Ltd.	Oct-24		Scopus (Q3)
120	Master of Computer Applications	**Rathinasamy Muthusami,** Kandhasamy Saritha, Deepak Umrao Sarwe, Arumugam Megala & C. T. Dora Pravina	An Investigation of Explicit Indicators for Identifying Cyberstalking Incidents Towards Sexism using Keyword-Assisted Topic Model	Journal of The Institution of Engineers (India): Series B, Springer India	Nov-24	https://doi.org/10.1007/s40031-024-01181-1	Scopus (Q3)
121	Mechanical Engineering	Sathickbasha KATHARBASHA, **Hariharasakthisudhan PONNARENGAN**, Varun Kumar ARULVIZHI, Venkata Ramarao MUTYAL, Sivakumar CHANDRAMOHAN	Effect of potassium titanate fibres and metal sulphides in the tribological behaviour of brake friction composites	Tribology - Materials, Surfaces and Interfaces, SAGE Publications Ltd		https://doi.org/10.46793/tribomat.2024.014	Scopus (Q3)
122	Electrical and Electronics Engineering	**Suganya Angappan**, **Aarthi Nataraj**, Loganathan Navaneetha Krishnan, Anbarasu Palanisamy	Development of an internet of things based smart cold storage with inventory monitoring system	International Journal of Electrical and Computer Engineering, Institute of Advanced Engineering and Science	Feb-25	http://doi.org/10.11591/ijece.v15i1.pp89-98	Scopus (Q3)
123	Computer Science and Engineering	**A. Noble Mary Juliet, D. Sivaganesan, J. Bhavithra, N. Suba Rani, N. Senthil Madasamy**	An Improved Hybrid Recommendation System Algorithm for Resolving the Cold-Start Issues	Journal of Information Systems Engineering and Management, International Association for Digital Transformation and Technological Innovation	Feb-25	https://doi.org/10.52783/jisem.v10i2.1752	Scopus (Q3)

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
124	CSE and AI&DS	**N. Senthil Madasamy, A. Noble Mary Juliet, J. Bhavithra, J Ramprasath, Ranjana R**	Enhanced Customer Churn Prediction for CRM Using PBGL-WPLM and Optimized ANN Models	Journal of Information Systems Engineering and Management, International Association for Digital Transformation and Technological Innovation	Feb-25	https://doi.org/10.52783/jisem.v10i2.1850	Scopus (Q3)
125	Artificial Intelligence and Data Science	**Dr.J. Ramprasath**	Implementation Of IoT Based SSSS With Fault Detection	Journal of Environmental Protection and Ecology, SciBulCom Ltd.	Mar-25		Scopus (Q3)
126	Science & Humanities	K. M. Arifmohammed, S. Krishnaprakash, **S. Gomathi**	Elliptic intuitionistic fuzzy Bonferroni mean operator and its application in MCDM	Notes on Intuitionistic Fuzzy Sets,	Mar-25	https://doi.org/10.7546/nifs.2025.31.1.80-98	Scopus (Q3)
127	Electrical and Electronics Engineering	**K. Manikandan**, S. Sasikumar, R. Arulraj, and **L.Chitra**	Investigation on Economic and Environmental Constrained Micro-grid dispatch Problem Using Efficient Optimization Technique	Journal of Propulsion Technology, Journal of Propulsion Technology	Jan-25		Scopus (Q3)
128	Electrical and Electronics Engineering	**Chitra L** , Kothaiandal C , **Saravanakumar M, Manikandan K**	A Wide Conversion Ratio Bidirectional Modified SEPIC Converter with Non Dissipative Current Snubber	Journal of Propulsion Technology, Journal of Propulsion Technology	Jan-25		Scopus (Q3)

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
129	Science & Humanities	**R. Ramesh**∗and Ahmad Al-Omari	Decomposition of(α-Hg,λ)-continuity	Boletim da Sociedade Paranaense de Matemática., Sociedade Brasileira de Matematica	Apr-25	http://dx.doi.org/10.5269/bspm.67167	Scopus (Q3)
130	Mechanical Engineering	**P. Hariharasakthisudhan**, K. Logesh, K. Sathickbasha & Sathish Kannan	Enhancing project-based learning in engineering education: a hybrid DT-CDIO-RA framework for sustainable product design	Discover Education , Springer	May-25	https://doi.org/10.1007/s44217-025-00579-3	Scopus (Q3)
131	Computer Science and Engineering	**A. Jayalakshm**i, S.R. Tharan, P. Roshan, M. Dharani	Optimized Convolutional Neural Network Architecture For Image Classification	Journal of Propulsion Technology, Journal of Propulsion Technology	May-25		Scopus (Q3)
132	Computer Science and Engineering	**Ms. G. Gayathr**i, Ms. Anbu Dharshini M, Mr. Abbas S, Ms. Reshika A G	Skin Disease Prediction Using Deep Learning	Journal of Propulsion Technology, Journal of Propulsion Technology	May-25		Scopus (Q3)
133	Civil Engineering	**N. Natarajan,** M. Vasudevan, A. Venkatesh	A Simple Computer Code for Result Analysis of University Graduates	Journal of Engineering Education Transformations, Rajarambapu Institute Of Technology	Jul-24	10.16920/jeet/2024/v38i1/24174	Scopus (Q4)
134	Electronics and Communication Engineering	**K.C. Rajarajeshwari, N. Nithiyameenatchi**, S. Priyadharsini, Bala Subramanyam P N V & S.V. Kumari	Investigation on Six Element Dipole Array Antenna for ISM Band Wireless Communication Applications	Journal of Nano- and Electronic Physics, Sumy State University	Jun-24	https://doi.org/10.21272/jnep.16(3).03013	Scopus (Q4)

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
135	AI&DS and IT	**M. Rajalakshmi, S. Ponni alias Sathya**	Survey on Enhancing Energy Efficiency in Wireless Sensor Networks Based on Rapid Data Collection	Communications on Applied Nonlinear Analysis, International Publications	Jul-24	https://doi.org/10.52783/cana.v31.732	Scopus (Q4)
136	Science & Humanities	**N. Punitha**, A. Kalavathi & **A. Saranya**	Some Exact Solutions of Unsteady Viscous Incompressible Fluid Flows with Topology Conservation of Vorticity Vector Field by Ansatz Method	Communications on Applied Nonlinear Analysis, International Publications	Jun-24	https://doi.org/10.52783/cana.v31.589	Scopus (Q4)
137	Electrical and Electronics Engineering	Loganathan N, **Selvanayakam A**, Anbarasu P & Dr. M. Senthilkumar	Development Of A Penetration Monitoring And Repellent Method For Wild Animals Using Yolov3, Opencv, And Python	African Journal of Biological Sciences, African Science Publications	Jun-24	https://doi.org/10.33472/AFJBS.6.5.2024.4643-4656	Scopus (Q4)
138	Science & Humanities	M. Mary Jansirani, K. Lakshmanan, **L. Senthil Kumar,** K. Sivaranjani, R.Kulandaivelu,S. Santhiya, A Stephan Antony Raj, D. Vinodhini	Exploration of NαIg-Closed and NαIg-Open Sets in Nano Ideal Topological Spaces with Practical Applications of Nano Ideal Topological spaces	Communications on Applied Nonlinear Analysis, International Publications	Aug-24	https://doi.org/10.52783/cana.v31.1058	Scopus (Q4)
139	Science & Humanities	R. Abinprakash, E. Lathanayagam, **A. Saranya,** R. Nishanthi	Resolving Decision Making Issues with Nano Soft Logical Operators	Advances in Nonlinear Variational Inequalities, International Publications	Sep-24	https://doi.org/10.52783/anvi.v27.1528	Scopus (Q4)
140	Science & Humanities	T. Saradhadevi, A. Kalavathi, **N. Punitha, A. Saranya**	A Novel Mathematical Investigation of Synthetic Precipitation Employing Diverse Variable -Order Non-linear Fractional Derivatives	Advances in Nonlinear Variational Inequalities, International Publications	Sep-24		Scopus (Q4)

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
141	Science & Humanities	**Ms. N. Punitha**, A.Kalavathi	Some Exacts Solutions of Two Dimensional Unsteady Incompressible Magnetohydrodynamic Flow of Viscous Fluid by Ansatz Method	Advances in Nonlinear Variational Inequalities, International Publications	Oct-24	https://doi.org/10.52783/anvi.v28.2228	Scopus (Q4)
142	Science & Humanities	V. Chitra, **B. Maheswari**	Fermatean Picture Fuzzy Sets	Advances in Nonlinear Variational Inequalities, International Publications	Nov-24	https://doi.org/10.52783/anvi.v28.2441	Scopus (Q4)
143	Artificial Intelligence and Data Science	Dr.S.Bhaggiaraj, **Mr.A.Vishnuprasath**, Dr. Karthik, Dr. C.Thiripura Sundari	Computer Vision and Deep Learning based solution for Supporting Multi-Sensory Impairment	Journal of Technology, National Taiwan University of Science and Technology	Dec-24	18.15001/JOT.2024/V12I10.24.779	Scopus (Q4)
144	Civil Engineering	kumar, G. Pranay ; Sashikkumar, MC ; **Krishnakumar, S**. ; Kumar, N. Dharani ; Kalaivanan, P. ; Gupta, Sheifali ; Vivek, S.	Sonolysis Enhanced Sulphate Radical Oxidation System For Effective Contaminant Removal In Industrial Park Wastewater	Oxidation Communications , Scibulcom Ltd.	Dec-24		Scopus (Q4)
145	Artificial Intelligence & Machine Learning	Aparna Ponnuru, J. V. Madhuri, S. Saravanan **T. Vijayakumar**, V. Manimegalai, Abhijeet Das	Data-Driven Approaches to Water Quality Monitoring: Leveraging AI, Machine Learning, and Management Strategies for Environmental Protection	Journal of Neonatal Surgery, EL-MED-Pub	Apr-25	https://doi.org/10.52783/jns.v14.2107	Scopus (Q4)
146	Computer Science and Engineering	**Uma Maheshwari G**, Venkata N Seerapu, K. Manoz kumar Reddy, Aniket Bhagirath Jadhav Kiran Kumar Reddy Penubaka	AI and Machine Learning in Public Health: Ensuring Algorithmic Fairness and Ethical Data Utilization for Population Health Management	Journal of Neonatal Surgery , EL-MED-Pub	Apr-25	https://doi.org/10.52783/jns.v14.2939	Scopus (Q4)
147	Science & Humanities and CSE	**R. Ramesh, K. Rajupillai, K. Kalaiselvi, R. Nishanthi, G. Deepa**	Application of Neutrosophic Sets in Multi Attribute Decision Making	Communications on Applied Nonlinear Analysis, International Publications	Mar-25	https://doi.org/10.52783/cana.v32.4545	Scopus (Q4)

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
148	Science & Humanities	J . Jayasudha , **R . Nishanthi**	Plithogenic Hesitant Fuzzy Soft Sets	Advances in Nonlinear Variational Inequalities, International Publications	Jan-25	https://doi.org/10.52783/anvi.v28.4531	Scopus (Q4)
149	Computer Science and Engineering	M Vignesh, Nandhakumar A, Priscilla Joy, **Senthil Prabhu S, Gayathri.** G, Poovizhi P	A Novel Neuro-Based Strategy for Early Brain Tumor Diagnosis via NeuroTumorDetectNet (NTDN)	Journal of Neonatal Surgery , EL-MED-Pub	Apr-25	https://doi.org/10.52783/jns.v14.2921	Scopus (Q4)
150	Science & Humanities	Dr.G.Jothilakshmi., Dr.K. Rajam, Dr. S.Manimekalai, Dr. **U. S. Monolisa**, K.Nandhin	On Irregular Coloring of Middle Graph of Snake Graphs	Communications on Applied Nonlinear Analysis, International Publications	Mar-25	https://doi.org/10.52783/cana.v32.4834	Scopus (Q4)
151	Science & Humanities	B. Yogeswari, S. Deivanayaki, A. Sajitha Banu, **V. Umadevi, V. Regina Delcy**, A. Venkatraj	Molecular Structural, Spectral and HOMO-LUMO Analysis of Acemetacin in Aqueous Phases: A Density Functional Theory Study	Asian Journal of Chemistry, Asian Publication Corporation	Mar-25	https://doi.org/10.14233/ajchem.2025.33330	Scopus (Q4)
152	Artificial Intelligence and Data Science	Shaik Akbar, Venkata N Seerapu, **Kiruthikka. D.C** M. Sivachitra, Sathish Kumar Shanmugam Kiran Kumar Reddy Penubaka	IoT and AI-Driven Predictive Healthcare Systems: The Intersection of Machine Learning, Blockchain, and Healthcare Management Practices	Journal of Neonatal Surgery , EL-MED-Pub	Apr-25	https://doi.org/10.52783/jns.v14.3160	Scopus (Q4)
153	Artificial Intelligence and Data Science	Jeyadeepa R, Venkata N Seerapu, **Kiruthikka. D.C** Sambhani Naga Gayatri, M Srinivasa Narayana, Kiran Kumar Reddy Penubaka	The Role of Artificial Intelligence in Post-Pandemic Healthcare Management: Integrating Mental Health, Stigma Reduction, and Machine Learning Innovations	Journal of Neonatal Surgery , EL-MED-Pub	Apr-25	https://doi.org/10.52783/jns.v14.2792	Scopus (Q4)
154	CSE (Cyber Security) and AI&ML	**Rini Angeline Vinisha J, M.Jeslin Benita Ponnarasi, Mithuna R, M.Sakthivadivel, Dr. P.Vivekanandan, S.** Arunbalaji	AI-Driven Weighted and Aggregated LSTM Model for Enhanced Credit Card Usage Monitoring and Suspect Transaction Identification	Journal of Neonatal Surgery , EL-MED-Pub	Apr-25		Scopus (Q4)

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
155	Computer Science and Engineering	Partheepan R, S.S. Sivaraju, A. Senthilkumar, V. Radhika, **N.Suba Rani**, S. Sivarajan	Federated Learning for Brain Tumor Segmentation in MRI Scans: A Privacy-Preserving and Domain-Adaptable Approac	Journal of Neonatal Surgery , EL-MED-Pub	May-25		Scopus (Q4)
156	Electrical and Electronics Engineering	**Manikandan K, Hubert Tony Raj L**, Venkatesh P Mathan Kumar A, Gokul S, Anand A	Design and Implementation of a Switched Capacitor-Based Single-Phase 15-Level Inverter for Renewable Energy Applications	Journal of Neonatal Surgery , EL-MED-Pub	May-25	https://jneonatalsurg.com/index.php/jns/article/view/6213	Scopus (Q4)
157	Science & Humanities	**T.Muthukumar, R.Ramesh, L.Chitra,** C. Kothai Andal, **K. Kalaiselvi**	An Analytical and Numerical simulation of Fuzzy Delay Differential Equation Model of HIV infection of CD4+T-Cells	Communications on Applied Nonlinear Analysis, International Publications	Mar-25	-	Scopus (Q4)
158	Science & Humanities	**R.Ramesh,T.Muthukumar,K.Kalaiselviand, L.SenthilKumar**	Decompositionof($\Psi\alpha hb,\Delta$)-Continuity	Communications on Applied Nonlinear Analysis, International Publications	Mar-25		Scopus (Q4)
159	Artificial Intelligence & Machine Learning	Dr. Pramod Kumar, T.V. Chandra sekhar, Joyir Siram Murtem, **T.Vijayakumar**, Dr Kiran Kumar Reddy Penubaka, Sekhar M	Natural Language Processing Techniques for Sentiment Analysis in Social Media	Communications on Applied Nonlinear Analysis, International Publications	Mar-25		Scopus (Q4)
160	Artificial Intelligence & Machine Learning	**Kaniyarasu, Dr. P.Vivekanandan, S Saravanakumar, Dr. M.Sakthivadivel,** S. Arunbalaji, K. Manikandan	Artificial Intelligence in Offensive Cyber Security: Emerging Techniques, Threat Landscapes, Ethical Implications and Implementation O Fast Gradient Sign	Journal of Neonatal Surgery, EL-MED-Pub	Apr-25	-	Scopus (Q4)
161	Computer Science and Engineering	G. Sathish Kumar, **G. Uma Maheshwari,** C. Selvan, M. Nagasuresh, D. Rasi, P. Swathypriyadharsini	Deep learning approach using modified DarkNet-53 for renal cell carcinoma grading	International Journal of Bioinformatics Research and Applications, Inderscience Enterprises Ltd	Apr-25		Scopus (Q4)

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
162	Electrical and Electronics Engineering	N. M. G. Kumar, G. Srinivasan, , **L. Hubert Tony Raj** and M. Lavanya	Evaluation of FG using RPO in EDPS via DO Considering Load Variations	Journal of Engineering Science and Technology Review, International Hellenic University School of Science and Technology	Apr-25	doi:10.25103/jestr.181.16	Scopus (Q4)
163	Electrical and Electronics Engineering	**K. Manikandan**, P. Venkatesh, B. Naga Pratyusha, K. Sarada, Arvind R. Singh	Smart Optimization for Environmental and Economic Dispatch with Renewable Energy Integration	SSRG International Journal of Electrical and Electronics Engineering, Seventh Sense Research Group	Jan-25	https://doi.org/10.14445/23488379/IJEEE-V12I1P102	Scopus (Q4)
164	Information Technology	Vikkram R, **Prabhu.R**, Megala.P, Dr. M.Ramesh Kumar, Kalpana.C V.Yamini Priya6	Enhanced Rate Control Data Collection (Ercdc) For Congestion Control and Maximisation Of Information in Wirelsess Sensor Networks	Journal of Neonatal Surgery, EL-MED-Pub	Apr-25	-	Scopus (Q4)
165	Science & Humanities	K. Rathidevi, D. Tamilselvi and **N. Chithra**	Effect of Doping Manganese on the Morphological, Optical, and Thermal Properties of Zinc Oxide Nanoparticles Embedded on Poly-(p-anisidine)	Journal of Environmental Nanotechnology, Institute for Environmental Nanotechnology	Dec-24	https://doi.org/10.13074/jent.2024.12.243945	Scopus (Q4)
166	Science & Humanities	A. Stephan Antony Raj, Lakshmanan Kumarasankaralingam, M. Balamurugan, **B. Maheswari**, J. Gowri & Anurag Dutta	Forecasting the Economic Crisis of Sri Lanka: Application of Machine Learning Algorithms for Time Series Data	Procedia Computer Science, Elsevier B.V.	Jul-24	https://doi.org/10.1016/j.procs.2024.04.103	Scopus

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
167	ECE & EEE	**Gopalakrishnan Soundarya**, **Jayabalan Sam Suresh**, Chinnaswamy Sivamani, Doraiswamy Vedha Vinodha, Maheleeswaran Pushpavalli, Ganesan Vijayakumari, Athappan Senthilkumar	DMS, CSRR, and DGS Loaded HMSIW Dual-Band Filter with Closely Set Apart Passbands	Progress in Electromagnetics Research, Electromagnetics Academy	Aug-24	doi:10.2528/PIERC24070302	Scopus
168	Science & Humanities	**M. Mariyappan**, P. Suthanthirakumar, R. Nagaraj, V. Vasudevan, **L. Chitra, A. Senthil Kumar, S. Ramakrishnan**, J. Vishnu Hari, P. Abitha & M. S. Subasabarish	Generation of white light on Dy3+-ions activated Zinc fluoroborate glasses and luminescence studies	Journal of Optics, Springer	Aug-24	https://doi.org/10.1007/s12596-024-02123-2	Scopus
169	Mechanical Engineering	Akhil, U.V., Radhika, N. & **Ramkumar. T**	Corrosion Behavior of Microwave-Sintered Ti6Al6V2Sn Reinforced with Graphene Nanoparticles	Journal of Bio- and Tribo-Corrosion , Springer International Publishing AG	Aug-24	https://doi.org/10.1007/s40735-024-00895-5	Scopus
170	Automobile Engineering	Sadhasivam Deepan Kumar, V Arun Raj, **Vishnu Ramesh Kumar R**, R Manojkumar	Deep Learning Approach for Optimum Power Management Using IoT in EV Battery Management System	SAE Technical Papers, SAE International	Sep-24	https://doi.org/10.4271/2024-28-0085	Scopus
171	Civil Engineering	Vasudevan Mangottiri, Dr Balaganesh P, Sanchu Sukumaran, Ariyagoundar Jayaraman, Ramaswamy Geethamani, Mariappan Ranjitham, **Narayanan Natarajan**	AHP-Based Impact Assessment Methodology for Selecting Land Application Strategies for Biochar Amended Sewage-Based Compos	Journal of The Institution of Engineers (India) Series A, Springer India	Sep-24	https://doi.org/10.1007/s40030-024-00839-9	Scopus
172	Artificial Intelligence and Data Science	**Jayaprakash, Ramprasath**, Krishnaraj Natarajan, J. A. Daniel, Chandru V. Chinnappan, Jayant Giri, Hong Qin, and Saurav Mallik	Heuristic machine learning approaches for identifying phishing threats across web and email platforms	Frontiers in Artificial Intelligence, Frontiers Media SA	Nov-24	https://doi.org/10.3389/frai.2024.1414122	Scopus

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
173	Electrical and Electronics Engineering	Udhayakumar A, Ramya K C, Vijayakumar P, Sheeba Rani S, Balamanikandan A, **Saranya K**	Reversible Vedic Direct Flag Divider in Key Generation of RSA Cryptography	Journal of VLSI Circuits and Systems, Society for Communication and Computer Technologies	Nov-24	https://doi.org/10.31838/jvcs/06.02.08	Scopus
174	Mechanical Engineering	Anbarasan Baluchamy, T. Rajkumar, P. Soundar Rajan, **J. Venkatesh**	Effect of Methylester and Diesel Blends on Engine Evaluation in Real World Driving Conditions	International Journal of Vehicle Structures and Systems, MechAero Found. for Techn. Res. and Educ. Excellence	Dec-24	https://doi.org/10.4273/ijvss.16.4.17	Scopus
175	Mechanical Engineering	Vigneshkumar M, Gokilakrishnan G, **Sreejith S Nair**, Sivalingam A, Muthukumar Marappan and Suriya Shaffi Bhat	Analysis of the use of Nano-engineered Composite Energy Retention Materials in Eco-Building Layouts	Journal of Physics: Conference Series, IOP Publishing Ltd.	Dec-24	doi:10.1088/1742-6596/2925/1/012012	Scopus
176	Automobile Engineering	Sadhasivam Deepan Kumar, **Vishnu Ramesh Kumar R**, Boopathi M, R Manojkumar, Gobinath R, Vignesh M	FPGA Implementation of HLS Crypto Accelerators for Embedded Security in Autonomous Vehicles	SAE Technical Papers, SAE International	Feb-25	https://doi.org/10.4271/2025-28-0205	Scopus
177	Artificial Intelligence and Data Science	R. Kanagaraj, N. Krishnaraj, J. Selvakumar, **J. Ramprasath**	Implementation of Multi-Label Fuzzy Classification System using Topic Detection Data set	Procedia Computer Science, Elsevier B.V.		https://doi.org/10.1016/j.procs.2024.12.003	Scopus
178	Artificial Intelligence & Machine Learning	P. Rathika, **S. Yamunadevi**, P. Ponni, V. Parthipan, P. Anju	Developing an AI-Powered Interactive Virtual Tutor for Enhanced Learning Experiences	International Journal of Computational and Experimental Science and Engineering,	Dec-24	https://doi.org/10.22399/ijcesen.782	Scopus

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
179	ECE & EEE	Shanmugasundaram Jaganathan, **Vinoth Kumar Bojan, Saravanakumar Natarajan**	UMS-Net++: Modified SwinTransformer for Cardiac MRI Segmentation and Classification	Traitement du Signal, International Information and Engineering Technology Association	Feb-25	https://doi.org/10.18280/ts.420112	Scopus
180	Electronics and Communication Engineering	Palaniselvan Sundaravadivel, **Sathiyapriya Thangavel**, Gold Beulah Patturose Jegajothi, Rethinasamy Meenakshi, Dhanushkodi Siva Sundhara Raja, Rajesh Kumar Dhandapani	A High-Performance, Thin, Circularly Polarized Microstrip Antenna for Compact Radar Systems	Progress In Electromagnetics Research Letters, Electromagnetics Academy	Feb-25	10.2528/PIERL24111202	Scopus
181	Computer Science and Engineering	V.Thamilarasi, R. Hema, **A.Noble Mary Juliet,** Adlin Sheeba, Gauri Ghule, A. Raja	AI-Powered Real-Time Runway Safety: UAV-Based Video Analysis with ICSO-Enhanced Deep Learning	International Journal of Computational and Experimental Science and Engineering,	Apr-25	https://doi.org/10.22399/ijcesen.1184	Scopus
182	Information Technology	Shamia D, Ephin M, Pratibha C. Kaladeep Yalagi, Rini Chowdhury, Prashant Kumar, **Prabhu R**	Collaborative Healthcare Data Management Framework using Parallel Computing and the Internet of Things	Journal of Electronics, Electromedical Engineering, and Medical Informatics,	Jan-25		Scopus

BOOK PUBLICATIONS

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article	Title of the Book	Name of the Publisher	ISBN Number	Month & Year of Publication
1	Electronics and Communication Engineering	**Sudhakar Radhakrishnan**, Carlos M. Travieso-Gonzalez	Biometrics and Cryptography	Intech Open	ISBN: 978-1-83768-263-8	Jun-24
2	Electronics and Communication Engineering	R. Venkatesh, S. Gnanasaravanan, **N. Nithiyameenatchi** & S. Priyadharsini	Networks and IoT	Protek Publications	ISBN : 978-93-6228-819-6	May-24
3	Computer Science and Engineering, Artificial Intelligence and Data Science	**V. Eswaramurthy, T. Kanagasabapathy, P. Boopathi Rajan & D. Manojkumar**	Big Data Analytics	Charulatha Publications	ISBN : 978-93-6260-600-6	Aug-24
4	Science & Humanities	**Ms.K.Rajalakshmi Ms.V.Arunadevi & Dr.B.Bala vijaya priya**	Exploring Innovations at the crossroads of Multidiscuplinary Research	RK Publishers	ISBN : 978-81-976326-8-6	Aug-24
5	Science & Humanities	**V. Arunadevi,K. Rajalakshmi,Dr. B. Bala Vijaya Priya, Dr. R. Shivashankari**	Communicative English	Charulatha Publications	ISBN: 978-93-6260-044-8	Sep-24
6	Science & Humanities	**N. Punitha Ms. S. Chitra A. Saranya** Padmini Kaji	Transform And Partial Differential Equations	Scientific International Publishing House	ISBN: 978-93-6674-064-5	Sep-24
7	Science & Humanities	**Ms.R.Vidhya**	Poem on Humanity	JTS Publications	ISBN 978-81-977256-6-1	Sep-24
8	Science & Humanities	**Ms. B. Maheswari, Ms. R. Nishanthi**, Anil Kumar G., Mohan	Discrete Mathematics	Scientific International Publishing House	ISBN 978-93-6674-605-0	Oct-24

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article	Title of the Book	Name of the Publisher	ISBN Number	Month & Year of Publication
9	Science & Humanities	**Ms. R. Vidhya, Dr. R. Bhuvaneswari, Dr. B. Poorani, Ms. D. Nivetha**	Effective Communication Skills	Charulatha Publications	ISBN-13: 978-93-6260-273-2	Sep-24
10	Artificial Intelligence and Data Science	Mr. Proshontah Sarkar, Mr. Amitava Podder, Ms. Taruna Chopra, Mr. Manab Kumar Das, **Ms. Pooja P. Raj**	Artificial Intelligence: Problem Solving Algorithms	Alpha International Publication	ISBN 978-93-5762-287-5	Nov-24
11	Information Technology	**Mr.R. Govindaraj**	The React Blueprint: Build Your Way from Beginner to Pro	Amazon	ASIN: B0DS9K4JBS	Jan-25
12	Artificial Intelligence and Data Science	**Mrs. M. Masilamani**, Mrs. T. T. Nandini Devi, Dr. M. Pushpa, Ms. T. R. Priyadharshini and Mrs. R. Latha	Data Mining And Data Warehousing : Principles & Practical Techniques	Priyam Publications	ISBN: 978-81-983281-6-8	Dec-24
13	Artificial Intelligence and Data Science	Pethuru Raj; Prasanna Kumar; D.P. Sharma; Kavita Saini; B. Narendra Kumar Rao; Harshavardhan Kosuri; Nagendra Panini Challa; **R. Ranjana**	Engineering the Metaverse: Enabling technologies, platforms and use cases	IET Digital Library	ISBN:9781839538803	Dec-24
14	Information Technology	**Mr.R. Govindaraj**	Opthalmic Screening For Diabetic Eye Disease Diagonisis Using Deep Learning Algorithms In Mobile App	Amazon	ASIN : B0F5MWZMWS	Apr-25
15	Information Technology	**Mr.R. Govindaraj**	Learning for Medication Adherence Skin Disease Detection Using YOLO Algorithm	Amazon	ASIN : B0F5MS5SG5	Apr-25

BOOK CHAPTER PUBLICATIONS

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	Electronics and Communication Engineering	**Rajarajeshwari K. C, Saravanakumar. N, Poornima.T, Gokul Anand K. R**	In Futuristic Trends in Network & Communication Technologies	Antenna Trends In Thz Communication	IIP Series	Volume: 3, Page No.: 404-424 e-ISBN: 978-93-6252-806-3	https://www.doi.org/10.58532/V3BGNC2P10CH5	May-24
2	Electronics and Communication Engineering	**K. C. Rajarajeshwari, S. Dharani, K. R. Gokul Anand, T. Poornima**	In Futuristic Trends in Network & Communication Technologies-	Design And Analysis Of Multi - Arm Antenna For Smart Agriculture	IIP Series	Volume: 3, Page No.: 394-403 e-ISBN: 978-93-6252-806-3	https://www.doi.org/10.58532/V3BGNC2P10CH4	May-24
3	Science & Humanities	R. Velmurugan, J. Sudarvel, **R. Bhuvaneswari**, N. Jayanthi, R. Sankar Ganesh, M. S. R. Mariyappan	Advances in Marketing, Customer Relationship Management, and E-Services	Artificial Intelligence and Emotional Intelligence in Marketing	IGI Global Book Series	ISBN13: 9798369322765 EISBN13: 9798369322772	DOI: 10.4018/979-8-3693-2276-5.ch006	Jun-24
4	Automobile Engineering	Tamirat Tagesse, S. Arulkumar, **S. Mahalingam**, Naga Venkata Rama Subbarao Tadepalli, Neha Munjal, S. Boopathi	Advances in Mechatronics and Mechanical Engineering	Analyzing Fuel Cell Vehicles in India via the PESTLE Framework and Intelligent Battery Management Systems (BMS): Blockchain in E-Mobility	IGI Global Book Series	ISBN13: 9798369352472|ISBN13 |EISBN13: 9798369352496	DOI: 10.4018/979-8-3693-5247-2.ch007	Jun-24
5	Electronics and Communication Engineering	**Sudhakar Radhakrishnan & Sherine Jenny Rajan**	Biometrics and Cryptography	Introductory Chapter: Exploring Cryptography – Examining Its Fundamentals and Potential Applications	Intech Open	ISBN 978-1-83768-263-8 Print ISBN 978-1-83768-262-1	10.5772/intechopen.114073	Jun-24

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
6	Electrical and Electronics Engineering	Ms. M. Deeparani, Dr. M. Ganga, **Mr.P. E. Kamalakkannan**	In Futuristic Trends in IOT	Wearable crowdsource iot fusion system to monitor respiratory and fever symptoms for pandemic early warning	IIP Series	Volume: 3, Page No.: 203-215 e-ISBN: 978-93-6252-126-2	https://www.doi.org/10.58532/V3BBIO9P9CH1	May-24
7	Electrical and Electronics Engineering	S. Saravanan, Richa Khare, **K. Umamaheswari**, Smriti Khare, B. S. Krishne Gowda, Sampath Boopathi	Advances in Civil and Industrial Engineering	AI and ML Adaptive Smart-Grid Energy Management Systems: Exploring Advanced Innovations	IGI Global Book Series	ISBN13: 9781668492147 EISBN13: 9781668492161	10.4018/978-1-6684-9214-7.ch006	Jul-24
8	Electronics and Communication Engineering	**K. C. Raja Rajeshwari**, Tanvir Islam, N. Saravanakumar & Sudipta Das	Next Generation Wireless Communication	Design and Analysis of Conformal Millimeter Wave Antenna for Next Generation Wireless Communication	Springer	pp 185–197	https://doi.org/10.1007/978-3-031-56144-3_11	Jul-24
9	Computer Science and Engineering	G. Rajeshwari, S. Mownika, **G. Anupriya**, R. Kishore		Fraud Detection in E-Commerce Transactions Using Machine Learning Techniques and Quantum Networks	IGI Global Book Series	(pages 146-162)	10.4018/979-8-3693-5832-0.ch010	Aug-24
10	Science & Humanities	Giriraj Kalaiarasi*, Thangavel Sathiya Kamatchi and **S. Parveen**		Medicinal Plants and Cancer Therapy and Chemoprevention	Bentham Science Publishers	156-167 (12)	10.2174/9789815238549124010010	Sep-24
11	Electronics and Communication Engineering	**R. Sudhakar, V. Gurunathan And A. Shafeek**		Hybrid fuzzy-based improved particle swarm optimization technique for cancer cell detection	Elsevier	ISBN: 9780443220395		Oct-24

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
12	Computer Science and Engineering	Dr K Murali, K Sambath and **P Boopathirajan**	Child-Centric Disaster Risk Reduction in the Indian Context	Implication of COVID-19 Pandemic to Education in Coimbatore Region, Tamil Nadu, India	Bloomsbury Publishing India Pvt. Ltd	ISBN: 978-93-56406-65-0		Nov-24
13	Civil Engineering	Dr K Murali, **Dr K Srinivasan and M Sudharsanan**	Child-Centric Disaster Risk Reduction in the Indian Context	Disaster Impact on Mental Health of Children	Bloomsbury Publishing India Pvt. Ltd	ISBN: 978-93-56406-65-1		Nov-24
14	Cyber Security	Hariharan Thangavel, **M. PrasannaBlessy**, Rohit Kumar, R. Halima, M. Anusuya	Introduction to Functional Nanomaterials	Nanofunctional Materials in Food Processing	CRC Press	ISBN 9781003495437		Nov-24
15	Electronics and Communication Engineering	**Sherine Jenny Rajan & Sudhakar Radhakrishnan**	VLSI Implementation of Secured S-Box Design for Light-Weight Block Ciphers in Low Area Applications	Proceedings of International Conference on Intelligent Vision and Computing (ICIVC 2023)	Springer	pp 84–93 ISSN 2363-6092 ISBN 978-3-031-71391-0		Dec-24
16	Electronics and Communication Engineering	**K. C. Raja Rajeshwari, S. Dharani & K. R. Gokul Anand**	Design of Dual-Band Funnel-Shaped Microstrip Patch Antenna with Excitation Arms for 3–30-GHz RFID Application	Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume I	Springer	pp 413–420	https://doi.org/10.1007/978-3-031-69970-2_32	Dec-24

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
17	Information Technology	A. B. Arockia Christopher, **M. Sivakumar**, A. S. Muthanantha Murugavel, S. Priyatharsini, J. Angeljuliee & P. Revathi	Refined RSA Encryption Algorithm to Safeguard Privacy in Healthcare Data	Innovations in Cybersecurity and Data Science	Springer	pp 271–282	https://link.springer.com/chapter/10.1007/978-981-97-5791-6_21	Dec-24
18	Science & Humanities	**A. Shanmugapriya, S. Parveen, N. Chithra**, G. Kalaiarasi & S. Govindarajan	Synthesis, Thermal Reactivity, and Antioxidant Activity of Aminoguanidinium Benzene Tricarboxylates	Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume I	Springer	pp 135–147	https://link.springer.com/chapter/10.1007/978-3-031-69970-2_11	Dec-24
19	Information Technology	**Janani, D., S. Ramakrishnan,** V. Rithanya Priya Dharshini, R. Niranjana, and K. Keerthikaa.	Advances in Data and Information Sciences	Predicting Chronic Kidney Disease Stages Through Ensemble Machine Learning Techniques	Springer	pp 331-320	https://doi.org/10.1007/978-981-97-7360-2_27.	Jan-25
20	Information Technology	**Kalaivani, P., S. Ramakrishnan**, S. J. Nithesh, A. Jayapradeep, and Vaishag S. Menon	Advances in Data and Information Sciences	User Segmentation with RFM Analysis and K-Means Clustering for Play Store Database via Machine Learning	Springer	pp 241-253	https://doi.org/10.1007/978-981-97-7360-2_21.	Jan-25
21	Information Technology	**Meenachi, L.**, K. T. S. Vijayaragavan, A. Deepak, and T. Roshan Karthick	Advances in Data and Information Sciences	AI Mapping for Rapid Disaster Assessment	Springer	pp 289-298	https://doi.org/10.1007/978-981-97-7360-2_25.	Jan-25

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
22	Information Technology	**Sathya, S. Ponni Alias,** Oruganti Jagadeesh Naidu, S. Sanjay, and V. Saravanan	Advances in Data and Information Sciences	The Efficient Prediction of Diseases Using Machine Learning Algorithm	Springer	pp 321-330	https://doi.org/10.1007/978-981-97-7360-2_28.	Jan-25
23	Information Technology	**Sathya, S. Ponni Alias**, S. S. Muhammed Safwan, T. A. Archuthan, and S. Yogeshwar	Advances in Data and Information Sciences	Revolutionizing Indian Elections: Introducing Blockchain to Ballot Based Voting	Springer	pp 277-288	https://doi.org/10.1007/978-981-97-7360-2_24.	Jan-25
24	Computer Science and Engineering	**Devipriya, C.**, G. Nandan, K. Yuvaraaj, and E. Ranjith	Advances in Computational Intelligence and Robotics	AI and Quantum Network Applications in Business and Medicine	IGI Global Book Series	pp 383–400	https://doi.org/10.4018/979-8-3693-8135-9.ch023	Jan-25
25	Electronics and Communication Engineering	Ruban, S., S. Prabagar, **C. Moorthy**, J. P. Manimozhi, M. Robinson Joel, and G. Manikandan.	Responsible AI for Digital Health and Medical Analytics	Making Clinical Decisions to Treat Patients by Using Health Information Technology	IGI Global Book Series	pp 87-112	https://doi.org/10.4018/979-8-3693-6294-5.ch004.	Jan-25
26	Artificial Intelligence & Data Science	**R. Ranjana**, R.K. Sahana, and B. Narendra Kumar Rao	Engineering the Metaverse: Enabling technologies, platforms and use cases	Application of metaverse in regenerative medicine: applications and challenges	The Institution of Engineering and Technology		https://doi.org/10.1049/PBPC070E_ch17	Dec-24

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
27	Artificial Intelligence & Data Science	Ajay Tiwari, **M. Masilamani**, T. Srinivasa Rao, Sharmila Zope, S. A. Deepak and L. Karthick	AI and the Revival of Big Data	Shaping the Future: Emerging Trends and Strategic Predictions in Big Data and AI	IGI Global Book Series		[10.4018/979-8-3693-8472-5.ch006](#)	Jan-25
28	Automobile Engineering	K. M. Navaneethan, **Shanmugam Dharmalingam**, Sivasubramanian Palanisamy & Anand Krishnamoorthy	Rubber Based Bionanocomposites. Advanced Structured Materials	Polylactic Acid Based Rubber Composites and Nanocomposites	Springer	978-3-031-78556-6	[10.1007/978-3-031-78557-3_7](#)	Mar-25
29	Information Technology & AIDS	Alikhan, J. S., **Dhyaneswaran, J., Kanagasabapathi, K., Vishnuprasath, A.**, Suganya, A., Madhumitha, R., & Manikandan, G.	AI's Role in Enhanced Automotive Safety	Deep Learning for Real-Time Traffic Analysis and Decision-Making in IoT-Connected Autonomous Vehicles	IGI Global Book Series	pp. 61-74.	[https://doi.org/10.4018/979-8-3373-0442-7.ch005](#)	May-25
30	Artificial Intelligence & Data Science	A.G. Praywin Sheela, A. Vasanthi, K. Lakshmi Joshitha, **R. Ranjana**	The Convergence of Artificial Intelligence (AI) and 6G Communication Networks: The Needs and Implication	Unlocking the potential of 6G: From technical foundations to practical applications in edge AI by Advances in Computers	Elsevier		[10.1016/bs.adcom.2025.03.016](#)	May-25
31	Electrical and Electronics Engineering	P. Selvakumar, **D. Gnanaprakasam**, Sushma Gudivada, Sujay Mugaloremutt Jayadeva, and Manjunath T. C.	Strategic Brand Management in the Age of AI and Disruption	Understanding Artificial Intelligence and Its Role in Branding	IGI Global Book Series	PP. 27-52	[10.4018/979-8-3693-9461-8.ch002](#)	Feb-25

CONFERENCE PUBLICATIONS

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
1	Electrical and Electronics Engineering	S D Lalitha, Chaitanya Danamaraju, **M. Prabhu Raj**, Dinesh Kumar, R. Sethuraman & Mohanaprlya. V	AI-Driven Control Strategies for Power Electronics Converters	2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	IEEE	10.1109/ICONSTEM 60960.2024.1056876 6	Jul-24
2	Electrical and Electronics Engineering	D S Deepika, **Umamaheswari Krishnasami**, N. Rajavinu, V T Vithya, P Manikandaprabu & T. Sathish	Neural Network-Based Load Forecasting for Power Grids	2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	IEEE	10.1109/ICONSTEM 60960.2024.1056864 9	Jun-24
3	AI&DS, Computer Science & Engineering (CyberSecurity)	**Kiruthuka DC, M. Prasanna Blessy**, M. Premalatha & S. Pooja	Single Shot Detector Based MobileNet for Automatic Detection and Recognition of License Plates	2024 International Conference on Advances in Modern Age Technologies for Health and Engineering Science (AMATHE)	IEEE	10.1109/AMATHE61 652.2024.10582122	Jul-24
4	Mechanical Engineering	P. Ravi Kumar, N. Senthil Kannan, **J. Dinesh Kumar**, P. Sai Pradeep*, M. Iyyappan, K.K. Arun & R. Subbu	Evaluation of wear behavior on AISI 431 by vaccum annealing method for sustainable applications	16th International Conference on Materials Processing and Characterization (ICMPC 2024)	EDP Sciences	https://doi.org/10.105 1/e3sconf/202455201 005	Jul-24
5	Mechanical Engineering	S. Sathish*, **Bala Murali Nagarajan**, Rajesh Kumar, J. Yasin, A. Daniel Das, Banu Seema & Ramaswamy Ram	Wear assessment on AISI 410 steel by tempering process for constant load and speed sustainable applications	16th International Conference on Materials Processing and Characterization (ICMPC 2024)	EDP Sciences	https://doi.org/10.105 1/e3sconf/202455201 008	Jul-24

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
6	Mechanical Engineering	S.N.S. Santhosh Kumar, **J. Venkatesh**, V. Rahul, J. Gowthaman, D.V.S.S.S.V. Prasad, V.R. Navaneeth & S. Ram7*	Kinetics of Stainless Steel Material by Plasma nitriding Process for sustainable applications	16th International Conference on Materials Processing and Characterization (ICMPC 2024)	EDP Sciences	https://doi.org/10.1051/e3sconf/202455201006	Jul-24
7	Computer Science and Engineering	J. Bhuvaneswari, M. Saranya Nair, S. Durga Devi, **J. Santhiya** & Juliet. N	An Enhanced Prediction Logic to Forecast Bitcoin Price Variations Using Elevated Machine Learning Principles	2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	IEEE	10.1109/ICONSTEM60960.2024.10568622	Jun-24
8	Computer Science and Engineering	N.R Gladiss Merlin, D Anandakumar, **S. Devilavanya**, P. K. Sheela Shantha Kumari & T. Jayakumar	Cutting-Edge Travel Planner: Intelligent Route Recommendation System using Enhanced Learning Scheme with AI Principles	2024 Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	IEEE	10.1109/ICONSTEM60960.2024.10568864	Jun-24
9	Electrical and Electronics Engineering	P.M. Dinesh, Manjunathan Alagarsamy, Ayub Khan A, **K. Rameshkumar**, G. Pavithra & P. William	Gesture Controlled Vehicle for Armed Service	2024 4th International Conference on Innovative Practices in Technology and Management (ICIPTM)	IEEE	10.1109/ICIPTM59628.2024.10563743	Jun-24
10	Computer Science and Engineering (Cyber Security)	S. Swathi, **S. Saranya**, K. Vijayalakshmi & V. Aswini	Stellar classification using supervised machine learning	Fourth International Conference On Advances In Physical Sciences And Materials (ICAPSM)	IEEE	https://doi.org/10.1063/5.0216843	Jun-24
11	Computer Science and Engineering (Cyber Security)	T. Kumaravel, **V. Shanmugaveni**, P. Natesan, V. Kavya Shruthi, M. Kowsalya & M S. Malarkodi	Optimizing Hyperparameters in Deep Learning Algorithms for Self-Driving Vehicles in Traffic Sign Recognition	2024 International Conference on Science Technology Engineering and Management (ICSTEM)	IEEE	10.1109/ICSTEM61137.2024.10560823	Jun-24

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
12	Electrical and Electronics Engineering	A Balamanikandan; **M Saravanakumar;** Sudharsan Gunasekaran; Vasiha Anjum; P Gurusamy; N Ashokkumar	Deep Learning in the Detection of Chronic Kidney Disease	2024 4th International Conference on Intelligent Technologies (CONIT)	IEEE	10.1109/CONIT6198 5.2024.10627434	Jun-24
13	Electrical and Electronics Engineering	**Kaliamoorthy M;** Vasna lija SJ; Nithish Kumar D; Mukeshkumar B	Analog Implementation of Weighted Median Filter	2024 International Conference on Smart Systems for Electrical, Electronics, Communication and Computer Engineering (ICSSEECC)	IEEE	10.1109/ICSSEECC6 1126.2024.10649465	Sep-24
14	Information Technology	Megala P; **Prabhu R**; Devi V; Yamini S	Smart Patrolling System Using Machine Learning	2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)	IEEE	10.1109/ICSTSN614 22.2024.10671193	Sep-24
15	IT and AI&DS	**Priya Varshini A G**; Anitha Kumari K; **Ramprasath J**; Senthil R; Gowthamraj R E	Exploring the Efficacy of Artificial Neural Networks in Software Effort Estimation	2024 2nd International Conference on Sustainable Computing and Smart Systems (ICSCSS)	IEEE	10.1109/ICSCSS606 60.2024.10625645	Aug-24
16	IT and AI&DS	**Priya Varshini A G**; Anitha Kumari K; **Ramprasath J**; Sam Rishi R; Balakrishnan S; Deepak D	Optimized Convolutional Neural Network Model for Software Effort Estimation	2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)	IEEE	10.1109/ICSTSN614 22.2024.10671053	Sep-24

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
17	Computer Science and Engineering	**D. Sivaganesan**; S. Barath Kumar; S. Krishnadharani; G. Rashmitha	Optimization of Vehicular Congestion Control in Traffic Signals using YOLO algorithm	2024 International Conference on Smart Systems for Electrical, Electronics, Communication and Computer Engineering (ICSSEECC)	IEEE	https://ieeexplore.ieee.org/document/10649430	Sep-24
18	Electronics and Communication Engineering	**C. Moorthy; Shafeek A; Gurunathan V**; M. Manoj; V. Naveen; P. Hari Krishnan	Comprehensive Exploration of Enhanced Navigation Efficiency via Deep Reinforcement Learning Techniques	2024 Second International Conference on Intelligent Cyber Physical Systems and Internet of Things (ICoICI)	IEEE	10.1109/ICoICI62503.2024.10696134	Oct-24
19	Science & Humanities	Divya Nimma; **V. Arunadevi**; Mehul Manu; V. Selvi; Prema S	Evaluating AI-Based Deep Learning Models for Enhancing English Reading Comprehension Skills in Students	2024 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	IEEE	10.1109/I-SMAC61858.2024.10714755	Oct-24
20	Science & Humanities	Divya Nimma; **V. Arunadevi**; Mehul Manu; K S Punithaasree; Fredrick Ruban Alphonse	Deep Learning Approaches for Improving English Listening Comprehension in E-Learning Environments for Adult	2025 8th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	IEEE	10.1109/I-SMAC61858.2024.10714786	Oct-24
21	Computer Science and Engineering	Venkateshwaran Mohan, **Sivaganesan D**, Balasubramaniam S, Vikhas S G, Dhinesh SP	Collaborative Search With Knowledge Sharing And Summarization	Proceedings of the Fourth International Conference on Sustainable Expert Systems (ICSES-2024)	IEEE	10.1109/ICSES63445.2024.10763244	Oct-24

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
22	EEE & ECE	**J Sam Suresh; G Soundarya**; Vijayakumari Ganesan; D Vedha Vinodha	Complementary Split Ring Resonator loaded Proximity Coupled Triband Antenna for Sub-6 GHz Use Cases	2024 5th International Conference on Smart Electronics and Communication (ICOSEC)	IEEE	10.1109/ICOSEC615 87.2024.10722126	Oct-24
23	Computer Science and Engineering	M Srinivasan; **K. Radha**; V. Priya; Shaik Mahaboob Basha; S. Ravi	Auto-Detection of Handwritten Text Documents using Improved Image Processing Technique	2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)	IEEE	0.1109/ICCCNT6100 1.2024.10724959	Nov-24
24	Information Technology	**S. Soundariya; S. Ramakrishnan;** S K Devadharshini; S Madhumita; L Promodini	Cross Domain Recommendation System Using Graph Embedding and Attention Techniques	2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)	IEEE	10.1109/ICCCNT610 01.2024.10725254	Nov-24
25	Information Technology	**D. Janani; S. Ramakrishnan;** E Arungarai Selvan; K K Mohana Prasath; R Sudharsan	Machine Learning Approaches for CKD Identification among HIV-Afflicted Individuals	2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)	IEEE	10.1109/ICCCNT610 01.2024.10725376	Nov-24
26	Science & Humanities	Malathy. R; S. Krishnapriya; **B. Poorani; D. Nivetha;** A. Shajitha Banu; M. Mohamed Habeeb	AI at the Helm: Transforming Communicative Education for Engineering Minds with IoT	2024 10th International Conference on Advanced Computing and Communication Systems (ICACCS)	IEEE	10.1109/ICACCS608 74.2024.10717220	Oct-24

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
27	Mechanical Engineering	S. Sathish, A.V.S Ram Prasad, G. Bharath Reddy, **S. Naveen Kumar**, S. Ram, Anita Gehlot and Navjot Singh	Sustainable Nanotechnology in Stir-Cast Al Composites: Mechanical Performance in Energy Applications	Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024)	E3S Web of Conferences	https://doi.org/10.1051/e3sconf/202458803016	Nov-24
28	Mechanical Engineering	Balaji Selvaraj, **J. Venkatesh,** J. Ramesh Babu, V. Senthil Murugan, LSP. Subbu, Yashwant Singh Bisht and Anoop Kumar Singh	Optimizing Biodiesel Production from Hazelnut kernel oil and waste cooking oil with CaO catalyst Using RSM Approach	Euro-Asian Conference on Sustainable Nanotechnology, Environment, & Energy (SNE2-2024)	E3S Web of Conferences	https://doi.org/10.1051/e3sconf/202458801011	Nov-24
29	Electrical and Electronics Engineering	T. Kalavathi Devi; K. N. Baluprithviraj; **J Sam Suresh;** G. Kalaiarasi; A. Stephen Sagayaraj; P. Sakthivel	Detection and Characterization of Thyroid Cancer Nodule Using Deep Neural Networks -A Review	2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)	IEEE	10.1109/ICCCNT61001.2024.10723941	Nov-24
30	Science & Humanities	**S. Parveen, G. Kalaiarasi, B. Saravanakumar, A. Shanmugapriya & N. Chithra**	Preparation, Thermal, and Antioxidant Properties of Aminoguanidinium 2,3-Pyrazine Dicarboxylates	Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume II	Springer	https://link.springer.com/chapter/10.1007/978-3-031-69966-5_4	Nov-24

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
31	Mechanical Engineering	N. Sathiesh Kumar, Debabrata Barik & **Bala Murali Nagarajan**	Optimizing Single Slope Solar Stills for Enhanced Freshwater Production: A Study on Efficient Energy Storage Using Sensible Heat Materials	Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume II	Springer	https://link.springer.com/chapter/10.1007/978-3-031-69966-5_41	Nov-24
32	Mechanical Engineering	N. Sathiesh Kumar, Debabrata Barik & **Bala Murali Nagarajan**	Optimization of Process Parameter for Passive Type Double Slope Solar Still–Taguchi Method	Proceedings of the 1st International Conference on Recent Advancements in Materials Science and Technology, Volume II	Springer	https://link.springer.com/chapter/10.1007/978-3-031-69966-5_42	Nov-24
33	Electronics and Communication Engineering	**N. Sugirtham & R. Sudhakar**	An Augmented Data Storage Algorithm for Digital Assistants Using Cryptography	Proceedings of International Conference on Intelligent Vision and Computing (ICIVC 2023)	Springer	https://link.springer.com/chapter/10.1007/978-3-031-71388-0_15	Oct-24
34	Artificial Intelligence & Data Science	P. Roy Sudha Reetha; S Joseph; N. Pandeeswari; **R Anitha**; S. Jebarose Juliyana	An improved energy management model for IoT devices using deep learning	2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)	IEEE	10.1109/ICCCNT61001.2024.10724146	Nov-24
35	Computer Science and Engineering	A. Shanmugapriya; A. Sangeetha Devi; **M. Gomathi**; G. Kiruthika	Adaptive Voltage Regulation System with GSM Integration and Enhanced Disaster Mitigation Strategies	2024 8th International Conference on Electronics, Communication and Aerospace Technology (ICECA)	IEEE	10.1109/ICECA63461.2024.10800902	Nov-24

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
36	Information Technology	B Mohanraj; S M Suba; C R Subiksha; Paramesh Sumithra Sree; M Priya; **R Prabhu**	Facilitating Seamless Communication through Voice-Enhanced Sign Language and Gesture Recognition with Random Forest Classifier and Graph Convolution Networks	2024 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)	IEEE	10.1109/ICSSAS64001.2024.10760461	Nov-24
37	Science & Humanities	E, Kungumaraj. and . R, Suganya and . S, Kousalya and **L, Senthilkumar.** and .E, Lathanayagam and K.M, Priya	Mathematical Modelling of Hepatitis C with Fuzzy Nano Topological Spaces	3rd International Conference on Optimization Techniques in the Field of Engineering (ICOFE-2024)	SSRN	http://dx.doi.org/10.2139/ssrn.5091619	Jan-25
38	Electronics and Communication Engineering	Ramesh R; **Dharani S; Gokul Anand K R**; Vakula V; Sree Vidhya S	RFID-based Automatic Mask Dispensing System using IoT	2024 3rd International Conference on Automation, Computing and Renewable Systems (ICACRS)	IEEE	10.1109/ICACRS62842.2024.10841649	Dec-24
39	Artificial Intelligence & Machine Learning	A. Syed Musthafa; R. Sujatha; **P. Jessie; R. Mithuna**; R. Mekala; A. Vijay	A Python Based Machine Learning Framework for Eye Blink Detection with BlueEye Technology	2024 International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS)	IEEE	10.1109/ICICNIS64247.2024.10823324	Dec-24
40	Computer Science and Engineering (Cyber Security)	U. Ramani; J Rini Angeline **Vinshia; T. Manjula;** G. G. Sreeja; S. Abirami; M. Thilagaraj	Design and Implementation of an IoT Enabled Bionic Arm Gesture Control Robot Using Embedded System	2024 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI)	IEEE	10.1109/ICDICI62993.2024.10810908	Dec-24

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
41	Electrical and Electronics Engineering	Balamanikandan A; Jalendiran J; **Saravanakumar M**; Sakthivel; Venkataramanaiah N; Ankala Satya Prabha	Home Automation Using Cloud and IOT	2024 10th International Conference on Electrical Energy Systems (ICEES)	IEEE	10.1109/ICEES61253.2024.10776822	Dec-24
42	Artificial Intelligence & Machine Learning	R. Sathya; V.C. Bharathi; S. Ananthi; **T. Vijayakumar**; Rvs Praveen; Dhivya Ramasamy	Real Time Prediction of Diabetes by using Artificial Intelligence	2024 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)	IEEE	10.1109/ICSSAS64001.2024.10760985	Nov-24
43	Artificial Intelligence & Data Science	**J. Ramprasath**; M. Arun Kumar; N. Krishnaraj; C. Chandru Vignesh; N. Saranya; P. Ramprakash	Efficient Cell Segmentation in Microscopy Images using Sub-Sampling Integrated SVM	2024 International Conference on Emerging Research in Computational Science (ICERCS)	IEEE	10.1109/ICERCS63125.2024.10895534	Dec-24
44	Artificial Intelligence & Data Science	**J. Ramprasath**; N. Saranya; M. Arun Kumar; C. Chandru Vignesh; P. Ramprakash; N. Krishnaraj	Optimising Business Processes in Project Tracking using CRM	2025 International Conference on Emerging Research in Computational Science (ICERCS)	IEEE	10.1109/ICERCS63125.2024.10895955	Dec-24
45	Electronics and Communication Engineering	K. Sivakami; S. Arunkumar; Ms. P. Usharani; J. Dhanasekar; **S. Kokilamani;** N. Revathi	Data Clustering and Routing using Improved Water Wave Optimization in Wireless Sensor Network	2024 5th International Conference on Communication, Computing & Industry 6.0 (C2I6)	IEEE	10.1109/C2I663243.2024.10894977	Feb-25

S. No.	Name of the Department	Name of the Authors	Title of the Paper	Name of the Conference	Publisher	DOI	Month & Year of Publication
46	Mechanical Engineering	Mary Jasmin Nerella, **J. Venkatesh**, Rajesh Kumar, Arul Johnson. A, R. Ramaswamy* and S. Mohammed Ghouse	Energy Storage Optimization in Electric Vehicles for improving vehicles to grid Performance	3rd International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	E3S Web of Conference	https://doi.org/10.1051/e3sconf/202561901009	Mar-25
47	Automobile Engineering	**M. Thirunavukkarasu**, S. Sathish, V. Rahul, R. Vinoth, S. Ram* and O. Akbar Basha	Hybrid adaptive network-based fuzzy inference system Model for Biodiesel Production in Renewable System	4th International Conference on Sustainable Green Energy Technologies (ICSGET 2025)	E3S Web of Conference	https://doi.org/10.1051/e3sconf/202561901010	Mar-25
48	Mechanical Engineering	Venkata Sanyasi Seshendra Kumar Karri; Saravanan Kathirvel; **J. Dinesh Kumar;** M. Manohara; Singuru Madhavarao; Vipin Sharma; Shailendra Kumar Bohidar; Gobimohan Sivasubramanian	Investigation on the mechanical and thermal properties of hemp/polyester composites with integrated zirconium dioxide (ZrO2) nanoparticles	International Conference On Newer Engineering Concepts And Technology: ICONNECT-2024	AIP Conference	https://doi.org/10.1063/5.0261794	Apr-25
49	Computer Science and Engineering (Cyber Security)	N. Senthil Kumar; B. Revathi; G. G. Sreeja; N. Menakadevi; M. Nisha; **S. Saranya**; P. Sabarish	Multi-parameter MRI image analysis and application of edge detection for brain tumor detection	International Conference On Newer Engineering Concepts And Technology: ICONNECT-2025	AIP Conference	https://doi.org/10.1063/5.0262711	Apr-25
50	Master of Computer Applications	**Raja Rajeswari Sethuraman**; Harshini S; Dhaarshieth K R; Subhashini M	Employing Machine Learning Algorithms for the Prediction of Alzhiemer's Disease	5th International Conference on Trends in Material Science and Inventive Materials (I	IEEE	10.1109/ICTMIM65579.2025.10988247	May-25

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
51	Artificial Intelligence & Machine Learning	Mr.K.Kanagasabapathi, Mr.A.VishnuPrasath	Cultural Heritage Restoration	International Conference on Innovative Resaerch and Development	Apr-25
52	Artificial Intelligence & Machine Learning	Ms.Sathya N,Anitha Rathnam,Pooja .P.Raj	A Review on Utilizing AI Chatbots as Virtual Health Assistants in Telemedicine	International Conference on Healthcare Innovation and Smart Systems	Dec-24
53	Artificial Intelligence & Machine Learning	KiruthukaDC,Dr.S.Nithya	Rural Safety System	9th International Conference on Engineering Technology and Sciences	Mar-25
54	Artificial Intelligence & Machine Learning	Dr.J.Ramprasath,Dr.S.Nithya	Facial Recognition Based Attendance Tracking system Using AWS	9th International Conference on Engineering Technology and Sciences	Mar-25
55	Artificial Intelligence & Machine Learning	Dr.J.Ramprasath	Optimized Convolutional Neural Network Model For Software Effort Estimation	3rd IEEE Conference on"Smart Technologies and System for Next Generation Computing	Jul-24
56	Artificial Intelligence & Machine Learning	Ms.Sushma V P	Derm AI- A Comprehensive Evaluation of AI Based Skin Disease Prediction for Accuracy,adaptability and Clinical integration	International Conference on Innovative Resaerch and Development	Apr-25
57	Artificial Intelligence & Machine Learning	Ms.MasilaMani M	Deep Fake Detection Engine	9th International Conference on Engineering Technology and Sciences	Mar-25
58	Artificial Intelligence & Machine Learning	Ms.MasilaMani M & Ms.Sushma V P	Developing a Custom Workflow using Bmide in Teamcentre for Employment Training Tracking System	International Conference on Recent Innovations in Engineering and Technology	Apr-25

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
59	Artificial Intelligence & Machine Learning	Ms.MasilaMani M	AI-Powered Virtual Ethical Dilemma Solver	9th International Conference on Engineering Technology and Sciences	Mar-25
60	Artificial Intelligence & Machine Learning	Mrs. M. Rajalakshmi,	Learning Management System	International Conference On Innovative Research In Engineering Sciences	Apr-25
61	Artificial Intelligence & Machine Learning	Mrs. M. Rajalakshmi,	Liveraging optimized BiLSTM & XGBoost for Early Detction of Alzheimer Disease	International Conference On Smart Data intelligence	Jan-25
62	Artificial Intelligence & Machine Learning	VijayaKumar M	Audio Deep Fake Detection Analysis:Identifying Synthetic Speech parts	International Conference on Innovative Resaerch and Development	Apr-25
63	Artificial Intelligence & Machine Learning	Ms.Ranjana R & Ms.Indhurekaa S.R	Leveragigng Selenium forEfficient Web Scraping In Criminal Investigation	International Conference on Innovative Resaerch and Development	Apr-25
64	Artificial Intelligence & Machine Learning	Ms.Ranjana R & Ms.Indhurekaa S.R	Comnprehensive Benchmarking of Multi model Text to Image Generation : Evaluating Diversity,Novelty and Creative metrics	International Conference on Innovative Resaerch and Development	Apr-25
65	Artificial Intelligence & Machine Learning	Ms.S.R.Indhurekaa	Advancements in Road Sign Traffic Sign Detection and Classification Utilizing Faster R-CNN	15 th International Conference on Science & Innovation Engineering	Apr-25
66	Artificial Intelligence & Machine Learning	Ms.S.Thelungu Laxmi	An Automated Hybrid method for classifying Melanomas Deep Learning techniques	International Conference on Contemporary Challenges in Science and its Engineering Applications	Jul-24

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2024 - 2025

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
67	Automobile Engineering	Mr.Ashok S.K	Design of Conveyor System and Data Management Using PLM	International Conference on Recent Innovations in Engineering and Technology	Apr-25
68	Automobile Engineering	Mr.Dhamodharan.N	Corossion Behaviour of Metals in Prosopis Juliflora Methyl Ester (PJME) Biodiesel Blends at Varied Temperatures	First International Conference in Pathway of Electrical,Automation, Communication and Electronics	Apr-25
69	Automobile Engineering	Mr.S.Mahalingam	Smart Clothing for Elderly Fall Protection	International Conference on Data Analytics and Intelligence Computing	Apr-25
70	Automobile Engineering	Mr.M.Ponmurugan	Experimental Investigation on Performance Enhancement of Car Radiator for Different Fluids Micro Particles	International Conference on Data Analytics and Intelligence Computing	Apr-25
71	Automobile Engineering	Mr. R.B.Rajeshkumar	Simulation of Reconfigurable Bi directional Conventor for Electric bike	International Conference on Advanced Material Processing and Sustainable Energy	Apr-25
72	Automobile Engineering	Saravana Kannan T	Effect of Biodiesel–Diesel–Ethanol (BDE) ternary Fuel on Corrosion Behavior of Aluminium Alloy	2nd International Conference on Sustainable Technologies, Energies and Materials (STEM'25)	Feb-25
73	Automobile Engineering	Saravana Kannan T	Design and Analysis of High Temperature Magnetic Bearing using Finite Element Method"	2nd International Conference on Sustainable Technologies, Energies and Materials	Feb-25
74	Automobile Engineering	Mr. R.Vishnu Ramesh Kumar	Smart Tyre Health Monitoring System for Tyre Care Center Using Multi Sensor Integration	International Conference on Data Analytics and Intelligence Computing	Apr-25
75	Automobile Engineering	Mr. R.Vishnu Ramesh Kumar	Electro Chemical Corrosion Testing and validation of Laser Cladded material	International Conference on Data Analytics and Intelligence Computing	Apr-25
76	Civil Engineering	Mrs.S.Suthaviji	A Study on Light-Transmitting Concrete for Sustainable Construction	National Conference on Sustainable Development in Science and Technology	Apr-25

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
77	Civil Engineering	Ms.S.Sharmila	An adaptive framework for assessment of biocementation potential of seashore sand and dry land clay using Sporosarcina pasteuril MTCC 1761	National Conference on Advances in sciencesand technology for Regenerative in Agriculture	Dec-24
78	Computer Science and Engineering	Dr.A Noble Mary Juliet	FacultyConnect Mobile: A Comprehensive Faculty Management System	World Conference on Teachers Educatoin	May-25
79	Computer Science and Engineering	Dr.A Noble Mary Juliet	Automatic Mark Entry System Using Machine Learning	World Conference on Teachers Educatoin	May-25
80	Computer Science and Engineering	Dr. J Bhavithra	Landslide Prediction Using Machine Learning	International Conference on Interdisciplinary Academic Research and Innovation	May-25
81	Computer Science and Engineering	Dr. N. Suba Rani	Tumor Detection and Classification of MRI Brain Image Using XCeption CNN	International Conference on Interdisciplinary Academic Research and Innovation	May-25
82	Computer Science and Engineering	Dr. J Bhavithra	Credit Card Fraud Detection using improved gradient boosting algorithm	International Conference on Recent Engineering and Technology	May-25
83	Computer Science and Engineering	Dr. J Bhavithra	A smart Tourism Management System With Personnalized Recommendation	National Conference on Innovative Trends in Science,Engineering , Technology and Management	May-25
84	Computer Science and Engineering	Dr. N. Suba Rani	Medicine Dispenser for Visually Impairer	National Conference on Innovative Trends in Science,Engineering , Technology and Management	May-25
85	Computer Science and Engineering	Mr.S.Senthil Prabhu	Smart Hospital Finder	Fifth International Conference on Recent Advancements in Science Engineering and Technologies	May-25
86	Computer Science and Engineering	Mr.S.Senthil Prabhu	Student Feedback Analysis System	Fifth International Conference on Recent Advancements in Science Engineering and Technologies	May-25

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
87	Computer Science and Engineering	Mr. Manojkumar D	AI Powered Communication Platform Deaf & Mute	Fifth International Conference on Recent Advancements in Science Engineering and Technologies	May-25
88	Computer Science and Engineering	Dr. N. Suba Rani	Smart Surveillance System for Child Safety Using Yolo and Real-Time Alerts	Fifth International Conference on Recent Advancements in Science Engineering and Technologies	May-25
89	Computer Science and Engineering	Mr.S.Senthil Prabhu	Integration of Chatbot into Travel Booking App	15th International Conference on Science and Innovative Engineering	Apr-25
90	Computer Science and Engineering	Ms.Sumathi N	Emission and Noise Monitoring System Using IoT	First International Conference in Pathway of Electrical, Automation, Communication and Electronics	Apr-25
91	Computer Science and Engineering	MS.K.Radha	Voice Assistant with Desktop Accessibility	International Conference on Recent Innovations in Engineering and Technology	Apr-25
92	Computer Science and Engineering	Mr.S.Senthil Prabhu	Parkinson's Disease Detector	International Conference on Recent Innovations in Engineering and Technology (ICRIET 2025)	Apr-25
93	Computer Science and Engineering	Mr. Manojkumar D	Data Management System using Advanced BMIDE Configurations	International Conference on Recent Innovations in Engineering and Technology (ICRIET 2025)	Apr-25
94	Computer Science and Engineering	Mr. Manojkumar D	Stock Prediction Using LSTN RNN Machine Learning Algorithm	International Conference on Recent Innovations in Engineering and Technology (ICRIET 2025)	Apr-25
95	Computer Science and Engineering	Ms.C.Devipriya	Hybrid Approach for Privacy Preservation in Healthcare	5th international conference on recent trends in Engineering, Technology and Management	Apr-25

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
96	Computer Science and Engineering	Ms.C.Devipriya & Dr.M.L.Valarmathi	Matrix Factorized Deep Auto encoder : An Innovative Privacy Preservation Scheme	International Conference on TECHWORK : Envisioning Tomorrows Workspace today	Mar-25
97	Computer Science and Engineering	MS.K.Radha	Experimental Analysis of Plant Disease Identification Methodology Based on Improved Classification and Deep Learning Principle	2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	Mar-25
98	Computer Science and Engineering	Ms.B.Suganya & Ms.C.Devipriya	Experimental Evaluation of Identifying Fraudulent Activities in E-Commerce to Protect Consumers by Using Intelligent Deep Learning Methodology	2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems	Mar-25
99	Computer Science and Engineering	Mr.Boopathi rajan P	Hybrid CNN-LSTM with Clahe-Enhanced Segmentation for Automated Leukemia Detection	2025 International Conference on Intelligent Computing and Control Systems (ICICCS)	May-25
100	Computer Science and Engineering	Dr.Senthil Madasamy N	Crop Recommendation System using Machine Learning with Market Price Trends	Fifth National Conference on Innovations in Information and Communication Technologies 2025 (NCIICT-2025)	Feb-25
101	Computer Science and Engineering	Mr.Prabhu K	From Paper to Pixels : The evolution of College Management through automation using Machine learning	A Conference on Recent Advances in Sustainable Engineering and Future Technologies	Dec-24
102	Computer Science and Engineering	Ms. N.Sumathi ,Mr. P.Boopathirajan, Ms. S.C.Lavanya	A Machine Learning Algorithm for Predicting Genetic Diseases in Soybean Crops using CropGenoDetect Algorithm	5th International Conference on "Advanced Technologies for Societal Applications: Techno-Societal 2024"	Dec-24
103	Computer Science and Engineering	Dr.D.Sivaganesan	Parking Slot Identification System using SVM Classifier and HOG Features	2024 Second International Conference on Intelligent Cyber Physical Systems and Internet of Things	Dec-24

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
104	Computer Science and Engineering	Mr.Prabhu K	Deep Learning Driven Channel Estimation in Wireless Communication with Information Bottleneck Theory	3rd International Conference on Optimization Techniques in the Engineering	Oct-24
105	Computer Science and Engineering	Mr.Prabhu K ,Mr.Kanagasabapathy T	Adverse Drug Reaction (ADR) Predictionmusing Integrated Machine Learning andmDeep Learning Approaches	International Conference on SoftComputing for Security Applications	Sep-24
106	Computer Science and Engineering	Ms.C.Devipriya	Synthetic Data Generation for Tabular Datasets Using GAN	International Conference on Engineering & Advancement in Technology	Jun-24
107	Computer Science and Engineering	Ms.C.Devipriya	Efficient Privacy Preservation Using Linear Discriminent Analysis	International Conference on Engineering & Advancement in Technology	Jun-24
108	Computer Science and Engineering	Ms.C.Devipriya & Dr.M.L.Valarmathi	Analysis of the Randomization Techniques on Real-Time Datasets	International Conference on Engineering & Advancement in Technology	Jun-24
109	Computer Science and Engineering	Ms.C.Jayashree	Early Detection of Breast Cancer Through Identification of Invasive Ductal Carcinoma from Histopathology Images Using ML Algorithms	International Conference on Engineering & Advancement in Technology	Jun-24
110	Computer Science and Engineering	Venkata Sanyasi Seshendra Kumar Karri; Saravanan Kathirvel; J. Dinesh Kumar; M. Manohara; Singuru Madhavarao; Vipin Sharma; Shailendra Kumar Bohidar; Gobimohan Sivasubramanian	Predictive Modeling for Crop Disease Outbreaks	International Conference on Engineering & Advancement in Technology	Jun-24
111	Computer Science and Engineering	Mr.Prabhu K	XG Boost based Predictive Model for Liver cirrhosis Diagnosis	International Conference on Engineering & Advancement in Technology	Jun-24
112	Computer Science and Engineering	Mr.R.Karthik	Exploratory Data Analysis of Youtube Mining Video Content and its Inclusion on the Trending Page	International Conference on Engineering & Advancement in Technology	Jun-24

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
113	Computer Science and Engineering	Mr.R.Karthik	The Adverse Impacts of Mixed Reality on the Classroom Environment in the Educational System	International Conference on Engineering & Advancement in Technology	Jun-24
114	Computer Science and Engineering	Dr.A Noble Mary Juliet	Web/Mobile Mark Entry System	International Conference on Engineering & Advancement in Technology	Jun-24
115	Computer Science and Engineering	Ms.G.UmaMaheswari	Privacy-Preservation in Biometric Using Face and Voice Authentication	International Conference on Engineering & Advancement in Technology	Jun-24
116	Computer Science and Engineering	Ms.G.Deepa	Comparative Analysis of Classification Algorithms for Phishing Email Detection	International Conference on Engineering & Advancement in Technology	Jun-24
117	Computer Science and Engineering	Mr. Manojkumar D	Fake News Detection in Social Media Using Text Mining and Deep Learning Classifiers	International Conference on Engineering & Advancement in Technology	Jun-24
118	Computer Science and Engineering	Dr.A Noble Mary Juliet,Dr.D.Sivaganesan,Dr.Senthil Madasamy N,Dr. J Bhavithra	Handwritten Information Recognition Using Convolutional Neural Networks	2nd International Conference on Advances in Engineering and Medical Sciences 2025	Apr-25
119	Computer Science and Engineering (Cyber Security)	Dr. M. Sakthivadivel	Pubic-Private partnership in Bridging the financial literacy gap	International Conference on Enhancing Financial Well-being Through Digital Financial Literacy	Feb-25
120	Electronics and Communication Engineering	K. C. Rajarajeshwari, N. Saravanakumar, S. Manivannan	Design of Antipodal Vivaldi Antenna for wireless Biomedical Radiation	International Conference on Frontiers in Materials Science and Technology: Energy, Environment and Sustainable Development	Dec-24
121	Electronics and Communication Engineering	Ms.S.Dharani	RFID-based Automatic Mask Dispensing System using IoT	3rd International Conference on Automation, Computing and Renewable Systems	Dec-24
122	Electronics and Communication Engineering	Ms.S.Kokilamani	Data Clustering and Routing using Improved Water Wave Optimization in Wireless Sensor Network	5th International Conference on Communication, Computing & Industry 6.0	Dec-24

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
123	Electronics and Communication Engineering	Dr.G.Soundarya	Complementary Split Ring Resonator Loaded Proximity Coupled Triband Antenna for Sub-6 GHz Use Cases	5th International Conference on Smart Electronics and Communication	Sep-24
124	Electrical and Electronics Engineering	Ms.N.Aarthi	Design and Implementation of Sepic Converter in Wireless EV Charging System	13th International Conference on Contemporary Engineering and Technology 2025	Mar-25
125	Electrical and Electronics Engineering	Ms.N.Aarthi	An Automated Cow Dung Filtering and cleaning system	13th International Conference on Contemporary Engineering and Technology 2025	Mar-25
126	Electrical and Electronics Engineering	Dr.K.Manikandan	Switched Capacitor based Single Phase 15 level Inventer for Renewable Energy Application	13th International Conference on Advanced Science and Engineering Research	Apr-25
127	Electrical and Electronics Engineering	Dr. M.Kaliamoorthy	An Analog Implementation of Weighted Median Filter	International Conference on Smart Systems for Electrical, Electronics,Communication and Computer Engineering	Jun-24
128	Electrical and Electronics Engineering	Mr. J.Nagarajan	BLDC Motor Speed Control Using Machine Learning Algorithm	13th International Conference on Advanced Science and Engineering Research	Apr-25
129	Electrical and Electronics Engineering	Mr. J.Nagarajan	Design and Implementation of Electric Vehicle Battery Management sysytem and Fire Protection System	13th International Conference on Contemporary Engineering and Technology 2025	Mar-25
130	Electrical and Electronics Engineering	Mr.Prabhuraj M	High Gain Multi Input DC-DC Convertor for multiple vehicle	13th International Conference on Contemporary Engineering and Technology 2025	Mar-25
131	Electrical and Electronics Engineering	Dr.K. Rameshkumar	Gesture Controlled Vehicle for Armed Service	2024 4th International Conference on Innovative Practices in Technology and Management	Jun-24
132	Electrical and Electronics Engineering	Mr. M.Saravanakumar	Deep Learning the Detection of Chronic Kidney Disease	4th International Conference on Intelligent Technologies	Jun-24

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
133	Electrical and Electronics Engineering	Ms.A.Selvanayakam	Real Time Sign Language Intrepreter	13th International Conference on Advanced Science and Engineering Research	Apr-25
134	Information Technology	Ms.K.S.Sudhishna	Sarcastic signals:Uncovering Sarcasm in News headings Using Deep Learning	International Conference on Soft Computing and Signal Processing	Jun-24
135	Information Technology	Mr.R. Prabhu	A Unified Approach for Detecting Emotions through Sentimental and Emotional Analysis	2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)	Sep-24
136	Information Technology	Mr.R. Prabhu	Smart Patrolling System Using Machine Learning	2024 Third International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN)	Sep-24
137	Information Technology	Mr.R. Prabhu	Facilitating Seamless Communication through Voice-Enhanced Sign Language and Gesture Recognition with Random Forest Classifier and Graph Convolution Networks	2024 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)	Nov-24
138	Information Technology	Ms.Selvanayaki S	Developing a Custom Workflow using Bmide in Teamcentre for Student Managament	International Conference on Recent Innovations in Engineering and Technology (ICRIET 2025)	Apr-25
139	Master of Computer Applications	Ms.Divya Vahini.S	Augumented Reality and Virtual Reality Technologies for Empowering Disabled Learners	An international Multi discipinary and Multi Lingual Online Conference on"From Tradition to Tomorrow :Multi discipinary Conference for a Viksit Bharat"	Sep-24
140	Master of Computer Applications	Ms.Divya Vahini.S	A Music Recommendar System to identify the emotional state of a person using machine Learning Algorithms	4th International Conference on Sentiment Analysis and Deep Learning	Sep-24

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
141	Master of Computer Applications	Ms.K.C.Theepika	Towards Precision Meddicine:AI Powered Prediction of Polycystic Ovary Syndrome	2nd International Conference on Sustainable Computing Trends	Mar-25
142	Master of Computer Applications	Ms.S.Rajarajeswari,Ms.Divya Vahini.S	A Revolutioning Disabiliy education through AR and VR Innovations	International Conference on Navigating the digital Revolution :Embracing technology for business growth in global Perspective	Mar-25
143	Master of Computer Applications	Ms.S.Rajarajeswari	Predicting and Analyzing Student Depression Using Machine Learning Techniques	5th international conference on recent trends in Engineering, Technology and Management	Apr-25
144	Master of Computer Applications	Ms.S.Rajarajeswari	Advance Healthcare with AI:Predictive Models,NLP in Telemedicine and Clinical Adaption Trends	5th international conference on recent trends in Engineering, Technology and Management	Apr-25
145	Master of Computer Applications	Ms.S.Rajarajeswari	Prediction of Heart Disease Using Machine Learning	5th international conference on recent trends in Engineering, Technology and Management	Apr-25
146	Mechanical Engineering	Mr.Ayyapan S	Performance and Emission Analysis of Coconut Shell Bio-oil blends in a diesel engine	13th International Conference on Advanced Science and Engineering Research	Apr-25
147	Mechanical Engineering	Mr.Geideon Ganesh	Smart Rural Water Solutions :IoT for Sustainable and Equitable Management	13th International Conference on Advanced Science and Engineering Research	Apr-25
148	Mechanical Engineering	Mr.Geideon Ganesh	Design of a Wind Turbine power generation system for bus	13th International Conference on Advanced Science and Engineering Research	Apr-25
149	Mechanical Engineering	Dr.S.V.Gurupranes	Influence Of Lamination Sequence On Hybrid Fiber Reinforced Polymer Composite Properties	Second International Conference on Advancements in Materials,Manufacturing and Automation	Apr-25

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
150	Mechanical Engineering	Dr.S.Madhusudhanan	Product Lifecycle Management for telescopic shock absorber using siemens Teamcenter	International Conference on Recent Innovations in Engineering and Technology (ICRIET 2025)	Apr-25
151	Mechanical Engineering	Dr.S.Madhusudhanan	Product Lifecycle for Battery Management System Using siemens Teamcenter PLM	International Conference on Recent Innovations in Engineering and Technology (ICRIET 2025)	Apr-25
152	Mechanical Engineering	Dr.S.Madhusudhanan	Design and Analysis of Composite Materials for Car Alloy Wheels	13th International Conference on Advanced Science and Engineering Research	Apr-25
153	Mechanical Engineering	Dr.D.Nathan	Studies on High Entropy Alloy Coating on Aluminium 6061 Substrate	13th International Conference on Advanced Science and Engineering Research	Apr-25
154	Mechanical Engineering	Mr.Gunasekaran R	Experimental Studies on the Performance parameters of micro-Edm on the titanium alloy using a cryogenically treated tools by topsis method	International Conference on Data Analytics and Intelligence Computing	Apr-25
155	Mechanical Engineering	Mr.Gunasekaran R	Investigation on cryogenically treated CU tool in micro-Edm for titanium alloy using Corpus Technique	National Conference on Innovaiton in Engineering and Technology	Apr-25
156	Mechanical Engineering	Dr.T.Ramkumar	Durable and Abrasion Resistanr Bag for safe animal lifting and recovery	13th International Conference on Advanced Science and Engineering Research	Apr-25
157	Science & Humanities	Ms.V.Arunadevi	Analyzing The Impact Of Ai-Driven Chatbots As Virtual English Tutors On English Language Learning And Engagement	2nd IEEE Conference on Artificial Intelligence and Quantum Computation - Based Sensor Applications	Dec-24
158	Science & Humanities	Ms.V.Arunadevi	Automated English Language Learning Using Bert-Lstm Model	2nd IEEE Conference on Artificial Intelligence and Quantum Computation - Based Sensor Applications	Dec-24

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
159	Science & Humanities	Ms.V.Arunadevi	Leveraging Ai-Based Large Language Models To Strengthen English Vocabulary Skills In Efl Students	2nd IEEE Conference on Artificial Intelligence and Quantum Computation - Based Sensor Applications	Dec-24
160	Science & Humanities	Ms.V.Arunadevi	The Impact Of Ai On English Language Teaching Environments: A Comprehensive Analysis	2nd IEEE Conference on Artificial Intelligence and Quantum Computation - Based Sensor Applications	Dec-24
161	Science & Humanities	Dr. T. Ponnuchamy	Investigation of Some Product Related Paths of Outer Perfect Connected At Most Twin Domination Number	4th International Conference on Advanced Trends in Computational Engineering Mathematics	Jul-24
162	Science & Humanities	Mr.M. Mariyappan	Spectroscopic Investigations on Er^{3+} Doped Barium Borophosphate Glasses for Visible Layer Applications	3rd International Conference on Sustainable Materials and Technologies for Bio and Energy Applications (SMTBEA - 2024) & Indo-Taiwan Workshop on Renewable Energy	Jul-24
163	Science & Humanities	Dr. T. Muthukumar	New type of generalized open sets in HGTS	National Conference on "Bridging Realms of the Untrodden Frontiers	Mar-25
164	Science & Humanities	Dr.R.Ramesh	Decomposition of $(\omega\mu, \lambda)$-Continuity	National Conference on "Bridging Realms of the Untrodden Frontiers	Mar-25
165	Science & Humanities	Dr. S. Monolisa	Qspr Analysis Of Covid-19 Drug from Medicinal Herbs Utilizing Johan Zagreb Indices	2nd International Conference on Multidisciplinary Perspective in Engineering, Business Management, Social Sciences and Technology towards Sustainable Living – 2024	Dec-24
166	Science & Humanities	Ms.B Saravanakumar	Bismuth Sulphide as a Promising Negative Electrode for Advanced Supercapacitor Applications	International Conference on Advanced Materials for Sustainable Technologies	Jan-25

S. No.	Name of the Department	Name of the authors	Title of the Paper	Name of the Conference	Month & Year of Publication
167	Science & Humanities	Mr.L. Senthilkumar	Mathematical Modelling of Hepatitis C with Fuzzy Nano Topological Spaces	3rd International Conference on Optimization Techniques in the Field of Engineering	Oct-24
168	Science & Humanities	Mr.L. Senthilkumar	Intuitionistic Fuzzy Topology	National Conference on "Bridging Realms of the Untrodden Frontiers	Mar-25
169	VLSI	Dr.K.N.Vijeyakumar,Ms.L. Priyanka,Ms.P.Vanjipriya	Design and performance comparison of Ripple Carry Adder and Carry Select Adder	International Conference on Research in Electronics Engineering and Communication Techniques	Dec-24
170	VLSI	Dr.M.Bhagavathipriya	Comparative Performance Study of Differential Amplifiers with Current Mirror and Resistive Loads for Biomedical Application	International Conference on Research in Electronics Engineering and Communication Techniques	Dec-24
171	VLSI	Dr.K.N.Vijeyakumar,Ms.P.Vanjipriya,Ms.L. Priyanka,Dr.M.Bhagavathipriya	Design and Comparison of Common Source Amplifier with Diode Connected Load and Resistive Load	International Conference on Research in Electronics Engineering and Communication Techniques	Dec-24
172	VLSI	Dr.K.N.Vijeyakumar	Design and performance comparison of Common Source amplifier with resistive load and current mirror load	International Conference on Research in Electronics Engineering and Communication Techniques	Dec-24