

Dr. Mahalingam College of Engineering and Technology, Pollachi

Office of Dean Research & Innovation

Research Publication Details

AY 2025 – 2026

Research Publications		No. of Publications	Total
Journals	Q1	58	215
	SCIE	70	
	Scopus	87	
Books		5	257
Book Chapters		45	
Conferences		207	
TOTAL			472

JOURNAL PUBLICATIONS

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Authors in order as per Published Article (MCET Authors Mentioned in RED Colour)	Title of the Paper	Name of the Journal and Publisher	Month & Year of Publication	DOI	Indexing
1	Artificial Intelligence & Data Science	Senthil Kumar, J. Ramprasath , V. Kalpana, Manikandan Rajagopal, Maheswaran S, Rupesh Gupta	Integrating brain-inspired computation with big-data analytics for advanced diagnostics in neuroradiology	Neuroscience Informatics, Elsevier Publication	Jun-25	https://doi.org/10.1016/j.neuri.2025.100202	SCIE (Q1)
2	Artificial Intelligence & Machine Learning	Mani V.R., Vivekanandan P.	Dip-DARK: A smart and innovative classifier for enhanced intrusion detection and security in heterogeneous IoT networks	Ain Shams Engineering Journal, Ain Shams University	Sep-25	https://doi.org/10.1016/j.asej.2025.103692	SCIE (Q1)
3	Artificial Intelligence and Data Science	R. Yasir Abdullah , C. Venkatesan, E. Naresh & B. P. Pradeep Kumar	AI driven hybrid convolutional and transformer based deep learning architecture for precise lung nodule classification	Scientific Reports, Springer Publication	Jan-26	https://doi.org/10.1038/s41598-025-34569-0	SCIE (Q1)
4	Artificial Intelligence and Data Science	Arun Ranganathan, Umamaheswari Manogaran, Ramprasath Jayaprakash , Sasikanth Shanmugam	AI-driven signal enhancement for energy-efficient, wearable piezoelectric tactile sensing	Mechanics of Advanced Materials and Structures, Taylor and Francis Ltd.	May-26	https://doi.org/10.1080/15376494.2026.2654074	SCIE (Q1)
5	Artificial Intelligence and Machine Learning	G. Vijaya, G. Sathish Kumar G. Uma Maheshwari , M. Karthiga S. Hemkiran, Seyed Jaleddin Mousavirad Ghanshyam G. Tejani	An effective ECOLASSO with black widow optimization for feature selection and stagewise adaptive learning rate for disease prediction	Discover Artificial Intelligence, Springer Publication	Feb-26	https://doi.org/10.1007/s44163-026-00874-4	SCIE (Q1)
6	Automobile & EEE	Saravana Kannan Thangavelu , Kaliamoorthy Mysamy , Abu Saleh Ahmed, Charlie Chin Voon Sia	A hybrid multi-objective optimization and decision-making framework (NSGA-II–TOPSIS) for bioethanol production from sago pith waste via microwave-enhanced subcritical water hydrolysis	Chemical Engineering and Processing - Process Intensification, Elsevier Publication	Jul-25	https://doi.org/10.1016/j.cep.2025.110478	SCIE (Q1)
7	Automobile Engineering	Jason Zhi Cheng Ting, Charlie Chin Voon Sia, Elaine Yee Lee Yeu, Ping Ping Chung, Saravana Kannan Thangavelu , Annie Anak Joseph	Correlation of experimental data and simulation models in adaptive thermal comfort analysis for university classrooms	Energy and Buildings, Elsevier Publication	Oct-25	https://doi.org/10.1016/j.enbuild.2025.116561	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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	Automobile Engineering	Saravana Kannan Thangavelu , Ping Ping Chung, Muhammad Rafiq Mirza Bin Julaihi, Kumar Perumal, Abu Saleh Ahmed	An integrated RSM–NSGA-II approach for optimizing bioethanol production from sago pith waste via supercritical water hydrolysis: An energy, economic, and environmental perspective	Chemical Engineering and Processing - Process Intensification, Elsevier Publication	Dec-25	https://doi.org/10.1016/j.cep.2025.110660	SCIE (Q1)
9	Automobile Engineering	Saravana Kannan Thangavelu	From response surface methodology to artificial intelligence: process intensification frameworks for sustainable bioethanol production	Chemical Engineering and Processing - Process Intensification, Elsevier Publication	Jan-26	https://doi.org/10.1016/j.cep.2026.110697	SCIE (Q1)
10	Automobile Engineering	Wei Sing Yong, Cyrus Siaw Chuan Yong, Yee Lee Yeu, Saravana Kannan Thangavelu , Ai Bao Chai, Ping Ping Chung	Valorization of sago hampas: extraction of microcrystalline cellulose and its role in enhancing bio-composite properties	Cellulose, Springer Publication	Mar-26	https://doi.org/10.1007/s10570-026-07010-6	SCIE (Q1)
11	Civil Engineering	Natarajan, N., Masoodhu, S.S. , Vasudevan, M.	An overview of statistical analysis and modeling of characteristics and impacts of major mechanisms of atmospheric moisture transport over India	Stochastic Environmental Research Risk and Assessment, Springer Publication	Jan-26	https://doi.org/10.1007/s00477-026-03173-7	SCIE (Q1)
12	Civil Engineering	Natarajan, N. , Dharshini, S., Vasudevan, M.	Prediction of Standardized Precipitation Index based on LSTM and Variants of LSTM.	Physics and Chemistry of the Earth, Parts A/B/C, Elsevier Publication	Mar-26	https://doi.org/10.1016/j.pce.2026.104422	SCIE (Q1)
13	Civil Engineering	Dineshkumar, S., Natarajan, N. , Vasudevan, M.	History of groundwater level estimation in India: ancient to modern.	Hydrological Sciences Journal , Taylor and Francis Ltd.	May-26	https://doi.org/10.1080/02626667.2026.2666377	SCIE (Q1)
14	Civil Engineering	Jino, L., Natarajan, N. , Berlin, M., Vasudevan, M.	Numerical modeling of transport of nanoparticles in a sinusoidal single fracture of the fracture-matrix-skin coupled subsurface system.	Physics and Chemistry of the Earth, Parts A/B/C, Elsevier Publication	May-26	10.1016/j.pce.2026.104508	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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	Computer Science and Engineering	K. Radha & S. Karthikeyan	A hybrid recurrent neural network and optimization framework for intelligent mobile robot navigation in smart manufacturing	Scientific Reports, Nature Publishing	Nov-25	https://doi.org/10.1038/s41598-025-28585-3	SCIE (Q1)
16	Electrical and Electronics Engineering	P. Kathirvel, M. Kaliamoorthy	Energy efficient hybrid graph neural predictive control and quantum-adaptive sliding mode regulation for LVRT enhancement in smart PV-integrated power grids	Sustainable Computing: Informatics and Systems, Elsevier Publication	Feb-26	https://doi.org/10.1016/j.suscom.2026.101317	SCIE (Q1)
17	Electrical and Electronics Engineering	K Durgalakshmi, B Kannapiran Amit Kumar	Performance enhancement of shunt active power filter using advanced multilevel inverter driven by intelligent control strategy	Electric Power System Research, Elsevier Publication	Feb-26	https://doi.org/10.1016/j.epsr.2026.112849	SCIE (Q1)
18	Electrical and Electronics Engineering	T. Sathish, K. Sujit, K.Dilip Kumar K. Umamaheswari , Zakir Hussain Mustafa Abdullah, A. Anderson	TiO ₂ -Al ₂ O ₃ -ZnO ternary nanofluids based heat absorption energy and exergy efficiencies enhancement in solar evacuated collector tubes	Chemical Engineering Science, Elsevier Publication	Feb-26	https://doi.org/10.1016/j.ces.2025.122932	SCIE (Q1)
19	Electrical and Electronics Engineering	Kandasamy V.,Sathesh Kumar Thirumalaisamy, Mathankumar M, Rajnarayanan P.N.	Multi-strategy enhanced orchard algorithm for optimal integration of renewable energy sources and EV charging stations in microgrids	Scientific Reports, Springer Publication	Mar-26	https://doi.org/10.1038/s41598-026-46503-z	SCIE (Q1)
20	Electronics and Communication Engineering	V. Gurunathan, R. Sudhakar	Gaussian membership-self-attention encoder fusion network (GMSAEF-Net) for the multimodal biometric recognition	Ain Shams Engineering Journal, Ain Shams University	Oct-25	https://doi.org/10.1016/j.asej.2025.103810	SCIE (Q1)
21	Electronics and Communication Engineering	Shafeek A, Sudhakar R	An Optimised Spherical Spatial-Frequency Self-Convolutional Neural Network for EEG-Based Emotion Recognition	Biomedical Signal Processing and Control, Elsevier Publication	Nov-25	https://doi.org/10.1016/j.bspc.2025.109084	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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	Electronics and Communication Engineering	Dr C Moorthy, A Shafeek, Dr V Gurunatan, Dr R Sudhakar	3D CSFA-UNet: a unified attention-driven deep learning framework for accurate knee MRI segmentation and osteoarthritis severity classification	Scientific Reports, Nature Publishing	Feb-26	https://doi.org/10.1038/s41598-026-37847-7	SCIE (Q1)
23	Electronics and Communication Engineering	R Sherine Jenny, N Sugirtham B. Thiyaneswaran, S. Kumarganesh, Martin Sagayam K., Syed Immamul Ansarullah, Farhan Amin, Isabel de la Torre Díez, Carlos Osorio García & Alina Eugenia Pascual Barrera	Securing internet of things devices using a hybrid approach	Scientific Reports, Nature Publishing	Mar-26	10.1038/s41598-025-34766-x	SCIE (Q1)
24	Electronics and Communication Engineering	K R Gokul Anand, B Kannapiran	Bio-inspired deep learning framework with intelligent optimization for enhanced yield prediction in smart aeroponic cultivation	Ain Shams Engineering Journal, Elsevier Publication	Apr-26	https://doi.org/10.1016/j.asej.2026.104049	SCIE (Q1)
25	Electronics and Communication Engineering	S.Bharathi , Sudhakar Sengan, Jullian L Webber, Abolfazl Mehbodniya	Enhanced detection of network intrusions and anomalies in internet of things applications using a hybrid artificial intelligence model combining CNN and LSTM	Scientific Reports, Springer Publication	May-26	https://doi.org/10.1038/s41598-026-53602-4	SCIE (Q1)
26	Information Technology	Priya Varshini A G, Anitha Kumari K & Ramakrishnan S	Enhancing software effort estimation with random forest tuning and adaptive decision strategies	Scientific Reports , Nature Publishing	Sep-25	https://doi.org/10.1038/s41598-025-14372-7	SCIE (Q1)
27	Information Technology	Bipin Kumar Singh, Ganeshkumar Selvaraj, Ramakrishnan Thirumalaisamy, Manickaraj Karuppusamy, Sivasubramanian Palanisamy, Ponni Ponnusamy , Aravindhan Alagarsamy, Mohamed Abbas, Shaeen Kalathil & Mezigebeu Belay	Novel method to correlate acoustic emission and cutting force during machining of aluminium-5052Through ceramic (ZTA) inserts	The International Journal of Advanced Manufacturing Technology , Springer Publication	Feb-26	https://doi.org/10.1007/s00170-026-17602-y	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
28	IT and AI & DS	M. Rajalakshmi & S. Ponni Alias Sathya	Smart pareto-optimized genetic algorithm for energy-efficient clustering and routing in wireless sensor networks	Scientific Reports , Nature Publishing	Oct-25	https://doi.org/10.1038/s41598-025-09117-5	SCIE (Q1)
29	Master of Computer Applications	R Muthusami , K Saritha	Hybrid retrieval generation for structured reasoning with large language models	Discover Artificial Intelligence, Springer Publication	Mar-26	https://doi.org/10.1007/s44163-026-01059-9	SCIE (Q1)
30	Master of Computer Application	Rathinasamy Muthusami , Kandhasamy Saritha, Kolli Srinivasa Rao, Palanisamy Sugapriya & G. Saveetha	Interpretable stance detection in social media via topic-guided transformers	Discover Artificial Intelligence, Springer Publication	Nov-25	https://doi.org/10.1007/s44163-025-00635-9	SCIE (Q1)
31	Mechanical Engineering & Automobile Engineering	T Ramkumar , R VishnuRameshKumar , M Selvakumar, N Radhika, P Narayanasamy, D Rahul Joy	Influence of WS ₂ -Eggshell Hybrid Reinforcement on the Strengthening and Surface Protection of AZ91 Magnesium Alloy via Friction Stir Processing	Journal of Alloys and Compounds Communications, Elsevier Publication	May-26	/10.1016/j.jacom.2026.100198	SCIE (Q1)
32	Mechanical Engineering	Shaisundaram V. S., Saravanakumar Sengottaiyan, Gunasekaran Raji , Kumaravel S., Chandrasekaran M.	Machine Learning-Driven Energy Efficiency Enhancement and Emission Reduction in Diesel Engines Using Pumpkin Seed Biodiesel Blends and CeO ₂ Nanoparticles	International Journal of Energy Research, Wiley	Jun-25	https://doi.org/10.1155/er/2329925	SCIE (Q1)
33	Mechanical Engineering	V. Subramanian, K. Logesh, Renjin J. Bright, P.Hariharasakthisudhan	Mechanical and impact behaviour of titanium-based fiber metal laminates reinforced with kevlar and jute fibers under various stacking configurations	Defence Technology, KeAi Communications Co.	Jun-25	https://doi.org/10.1016/j.dt.2025.06.023	SCIE (Q1)
34	Mechanical Engineering	Hariharasakthisudhan Ponnarengan , Sathickbasha Katharbasha, Logesh Kamaraj, and Sathish Kannan	Sustainable development and tribological optimization of CaO-reinforced UHMWPE composites via surrogate modeling and evolutionary algorithms	Journal of Thermoplastic Composite Materials, SAGE Publications Ltd	Sep-25	https://doi.org/10.1177/08927057251375875	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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	Mechanical Engineering	Praveenkumar N, Lingadurai K, Ramkumar T , Bharathiraja R, Mohamed Iqbal Shajahan, Hassan Fouad, Shuichi Torii, Nasser M. Abd El-Sala	Thermal management of lithium-ion batteries using binary nanoparticle infused phase change materials	Journal of Materials Research and Technology, Elsevier Publication	Oct-25	https://doi.org/10.1016/j.jmrt.2025.10.044	SCIE (Q1)
36	Mechanical Engineering	K. Hariharan , C. Chandrasekhara Sastry, N. Sathishkumar, K. Saravanan	Enhancing biofunctional coatings on selective laser sintered polyamide using pulsed laser deposition for implant applications	Materials Chemistry and Physics, Elsevier Publication	Dec-25	https://doi.org/10.1016/j.matchemphys.2025.131906	SCIE (Q1)
37	Mechanical Engineering	Hariharasakthisudhan Ponnarengan , Sathish Kannan, Logesh Kamaraj, Nabil Hassan, Saeed Fahad, Abdulqader Ahmad Alhajri, Rahmat Agung Susantyoko	Multi-objective assessment of drop-weight impact in 3D-printed fiber-reinforced nylon composites	Journal of Thermoplastic Composite Materials, SAGE Publications Ltd	Oct-25	https://doi.org/10.1177/08927057251391696	SCIE (Q1)
38	Mechanical Engineering	Tamil Kumaran Gurunathan, Hariharasakthisudhan Ponnarengan , Senthur Vaishnavan Sivaguru & Mani Arunachalam	Influence of Molybdenum Trioxide Particulates on the Mechanical and Tribological Behavior of Ultrasonic-Assisted Cast AA5754 Composites	International Journal of Metalcasting, American Foundry Society	Nov-25	https://doi.org/10.1007/s40962-025-01804-3	SCIE (Q1)
39	Mechanical Engineering	B. Surya Rajan, P.Hariharasakthisudhan , K. Asrar Ahmed, T. R. Tamilarasan, K. Sathickbasha	Tailoring Tribological Performance of Brake Friction Composites Using Copper Coated and Annealed Steel Fiber Reinforcements	Polymer Composites, Wiley	Jan-26	https://doi.org/10.1002/pc.70882	SCIE (Q1)
40	Mechanical Engineering	Syed Quadir Moinuddin, Hariharasakthisudhan Ponnarengan , Jitendra Kumar Katiyar, Sathickbasha K, Mohammad Faseeulla Khan, Akbar Niaz	Tribological Behavior of Sr and Yb Modified AZ91 Magnesium Alloy Using Machine Learning Prediction and Multi Objective Optimization for Biomedical Applications	Journal of Materials Research and Technology, Elsevier Publication	Feb-26	https://doi.org/10.1016/j.jmrt.2026.02.150	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
41	Mechanical Engineering	Chandrasekar Loganathan, Logesh Kamaraj, Hariharasakthisudhan Ponnarengan	Mode I Fracture, Fatigue, and Interface Toughening in Ti/Al Laminates Using Alumina With Pineapple–Carbon Fiber Reinforcement	Fatigue & Fracture of Engineering Materials & Structures, Wiley	Mar-26	https://doi.org/10.1111/ffe.70240	SCIE (Q1)
42	Mechanical Engineering	Syed Quadir Moinuddin, P.Hariharasakthisudhan , K. Logesh, K. Sathickbasha, Mohammad Faseeulla Khan, Hussain Altammar	AZ91 Magnesium–alumina composites drilling with sustainable coolants: Surface roughness and axial thrust force using neural-guided genetic algorithms	Journal of Materials Research and Technology , Elsevier Publication	Mar-26	https://doi.org/10.1016/j.jmrt.2026.03.131	SCIE (Q1)
43	Science and Humanities & Electrical and Electronics Engineering	A. Shanmugapriya, J. Johnson William, S. Parveen, B. Saravanakumar, L. Chitra,	Microwave integration of carbon nanofiber into vertically grown nanoarray-stacked 3D flowers- and urchin-like manganese cobalt oxide nanohybrids for high capacitance supercapacitors	Journal of Energy Storage , Elsevier Publication	Apr-26	https://doi.org/10.1016/j.est.2026.122495	SCIE (Q1)
44	Science and Humanities	M. Sankareswari, J. Johnson William , I. Manohara Babu	Symmetric supercapacitor based on paramelaconite (Cu ₄ O ₃) nanoflakes and carboxymethyl cellulose nanorods with ultra-high energy density	Journal of Energy Storage, Elsevier Publication	Jun-25	https://doi.org/10.1016/j.est.2025.117317	SCIE (Q1)
45	Science and Humanities	Sandra Mathew, Kalathiparambil Rajendra Pai Sunajadevi, Arun Varghese, Dephan Pinheiro, B. Saravanakumar	Insights into the synergistic effect of V ₃ S ₄ decorated Ti ₃ C ₂ MXene as an electrode for asymmetric supercapacitor	Journal of Physics and Chemistry of Solids, Elsevier Publication	Jun-25	https://doi.org/10.1016/j.jpcs.2025.112958	SCIE (Q1)
46	Science and Humanities	Laxman Singh, Saravanakumar Balakrishnan , Joseph Johnson William, Sheikdawood Parveen, Ponnachiyur Aruchamy Periasamy, Rajeev Kumar, Anshuman Srivastava, Sunil Kumar, Amit Kumar Shringi, Dimple Kumari, Ambrish Singh, Fei Yan	Mechanistic Insights in Surface Engineering of Micro-/Nanocomposite Phase Change Materials for Thermal Energy Storage: A Review	Advanced Energy and Sustainability Research, Wiley	Jul-25	https://doi.org/10.1002/aesr.202500067	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
47	Science and Humanities	Anurag Dutta, B. Maheswari , N. Punitha , A. Stephan Antony Raj, S. Sharmila Banu & M. Balamurugan	The First Two Months of Kolmogorov-Arnold Networks (KANs): A Survey of the State-of-the-Art	Archives of Computational Methods in Engineerin, Springer Publication	Sep-25	https://doi.org/10.1007/s11831-025-10328-2	SCIE (Q1)
48	Science and Humanities	I. Rathinamala, J. Johnson William , F. Winfred Shashikanth, I. Manohara Babu	Symmetric supercapacitor based on CMC incorporated interconnected V2O5 nanoflakes: Enriched with excellent electrochemical characteristics	Electrochimica Acta, Elsevier Publication	Sep-25	https://doi.org/10.1016/j.electacta.2025.147473	SCIE (Q1)
49	Science and Humanities	R. Madhushree, K. R. Sunajadevi, K. P. Chaithra, T. P. Vinod and B. Saravanakumar	Unveiling the supercapacitive behavior of electrospun Cr2CTx/carbon nanofiber membrane	Nanoscale Advances, Royal Society of Chemistry	Oct-25	10.1039/D5NA00753D	SCIE (Q1)
50	Science and Humanities	A.A.Dharanidharan, P.Rajeswari, R.Vidhya , V.Kumar, M.Keerthana	The Interplay of Traditions and Personal Identity in Chitra Banerjee Divakaruni's The Sister of My Heart	Humanities and Social Sciences Communications, Springer Publication	Nov-25	https://doie.org/10.55942/s41999-025.2025394449-47	SCIE (Q1)
51	Science and Humanities	Sanjay Martin Kujura, J. Judith Vijaya, B.Saravanakumar	A Pseudocapacitive Nanohybrid of Nd-doped CuGd2O4@Carbon Black as an Efficient Electrode Material for Supercapacitors	ACS Applied Electronic Materials, American Chemical Society	Dec-25	https://doi.org/10.1021/acsaelm.5c01929.s001	SCIE (Q1)
52	Science and Humanities	Sai Sri T. S. Samika Anand, K. R. Sunajadevi , Abhishek Kumar, V. Yelamaggad , B. Saravanakumar , Dephan Pinheiro Mothi Krishna Mohan	Dual purpose behavior of Ni-PTC MOF for high performance Supercapacitor and Water Splitting applications	Colloids and Surfaces A: Physicochemical and Engineering Aspects, Elsevier Publication	Jan-26	https://doi.org/10.1016/j.colsurfa.2026.139593	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
53	Science and Humanities	P.A. Periasamy, J. Johnson William, B. Saravanakumar, N. Karthikeyan, S. Vadivel, V. Umadevi, N. Chithra	Tuning the redox chemistry of CeO ₂ through Ag doping for supercapacitor electrodes	Next Materials, Elsevier Publication	Mar-26	https://www.sciencedirect.com/science/article/pii/S2949822826003497	SCIE (Q1)
54	Science and Humanities	Purushothaman K.K, Sethuraman B, Johnson William J, Saravanakumar B	A novel CoFe ₂ O ₄ /ZrO ₂ /rGO ternary nanocomposite for high performance supercapacitor	Journal of Energy Storage , Elsevier Publication	Apr-26	https://doi.org/10.1016/j.est.2026.122073	SCIE (Q1)
55	Science and Humanities	Boopathi B, R. Suresh, B.Saravanakumar , Prabahar S	Exploring the Role of Calcination Temperature in Tailoring the Structure, Morphology and Electrochemical Behaviour of Mn-Co Pyrophosphate for Advanced Supercapacitor Application	Journal of Power Sources , Elsevier Publication	Apr-26	https://doi.org/10.1016/j.jpowsour.2026.240083	SCIE (Q1)
56	Science and Humanities	Albin Shibu, J. Judith Vijaya, B.Saravanakumar , N. Mohamed Basith	Microwave-assisted Nano-Architectonics of Co-doped Nd _{0.8} Pr _{0.2} MnO ₃ nano-perovskites as Pseudocapacitive Electrodes for High-performance Asymmetric Supercapacitors.	Journal of Power Sources , Elsevier Publication	May-26	https://doi.org/10.1016/j.jpowsour.2026.240466	SCIE (Q1)
57	Science and Humanities	N. Chithra, S. Parveen, P.A.Periasamy, J. Johnson William ,G. SathyaPriyadarshini	Supercapacitive performance of metal – ligand complexes derived from tridentate Schiff base: Comparative assessment on efficiency of Co, Ni, Cu and Pd complexes	Ceramics International, Elsevier Publication	May-26	https://doi.org/10.1016/j.ceramint.2026.05.319	SCIE (Q1)
58	VLSI &CYS	Sakthimohan.M , Thenmozhi.M , Elizabeth Rani.G , Arun M	A chronic kidney disease prediction system based on Internet of Things using walrus optimized deep learning technique	Informatics for health & social care, Taylor and Francis Ltd.	Jan-26	10.1080/17538157.2025.2610695	SCIE (Q1)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
59	Artificial Intelligence & Data Science	Karthick Muthusamy, Ramprasath Jayaprakash , Vivek Duraivelu, Satheesh Kumar Sabapathy	A Novel Feature Extraction and Siamese Zeiler and Fergus Forward Taylor Network-Based Rice Plant Leaf Disease Detection	Journal of Phytopathology, Wiley	Jun-25	https://doi.org/10.1111/jph.70074	SCIE (Q2)
60	Artificial Intelligence & Data Science	Rajupillai, K., Ramprasath, J , Vetrivelan, P	Efficient compression methods using combining the code based encoding techniques	International Journal of System Assurance Engineering and Management , Springer Publication	Aug-25	https://doi.org/10.1007/s13198-025-02884-4	SCIE (Q2)
61	Artificial Intelligence & Data Science	D. Pavithra, R. Nidhya, C. Vinothini, R. Ranjana , Sivaram Murugan & V. Porkodi	Brain Tumor Segmentation and Severity of Tumor Classification using Lightweight Attention based MobileNetv2 Model	International Journal of System Assurance Engineering and Management , Springer Publication	Sep-25	https://doi.org/10.1007/s13198-025-02964-5	SCIE (Q2)
62	Artificial Intelligence & Data Science	Suhas Alalasanra Ramakrishnaiah, Yasir Abdullah Rabi , Ananth John Patrick, Mohammad Shabaz, Surbhi B. Khan, Rijwan Khan, and Ahlam Almusharraf	Hybrid DeepSentX Framework for AI-Driven Requirements Insight and Risk Prediction in Multilingual Sports Using Natural Language Processing	Big Data, Mary Ann Liebert Inc.	Dec-25	https://doi.org/10.1177/2167647X251399606	SCIE (Q2)
63	Automobile Engineering & Mechanical Engineering	R Vishnu Ramesh Kumar , N Zeelanbasha, T Ramkumar , M Selvakumar, P Narayanasamy	Investigation on Mechanical Property of AlCuCrMoNi High-Entropy Alloy Coatings through Al ₂ O ₃ , W, and WC Reinforcement: A Comparative Analysis	Journal of Materials Engineering and Performance, Springer Publication	Apr-26	10.1007/s11665-026-13794-2	SCIE (Q2)
64	Automobile Engineering	Saravana Kannan Thangavelu , Ping Ping Chung, Muhammad Rafiq Mirza bin Julaihi, Ai Bao Chai	Corrosion of grey cast iron in Biodiesel–Diesel–Ethanol (B20D70E10) blend: Material degradation and Fuel stability.	Biofuels, Taylor and Francis Ltd.	Feb-26	https://doi.org/10.1080/17597269.2026.2627064	SCIE (Q2)
65	Automobile Engineering	Sakthi Vadivel Kulandaisamy , Govindasamy Ponnusamy , Dhamodharan Nandhagopal Deepika Subramaniam	Tribological performance and machine learning-based wear prediction of Acacia Arabic-Pencil Cactus fiber composites	Composite interfaces, Taylor and Francis Ltd.	Apr-26	https://doi.org/10.1080/09276440.2026.2662769	SCIE (Q2)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
66	Civil Engineering	S. Syed Masoodhu, N. Natarajan & M. Vasudevan	Hydraulic Conductivity Performance of Polymer-Modified Composite GCLs Subjected to Inorganic Salt Solutions	Journal of Materials Engineering and Performance, Springer Publication	Dec-25	https://doi.org/10.1007/s11665-025-12906-8	SCIE (Q2)
67	Civil Engineering	Natarajan, N., Dineshkumar,S., Masoodhu, S.S., Vasudevan, M.	Climate-Driven Habitat Suitability and Adaptation Planning for Endangered Elephants (Loxodonta africana and Loxodonta cyclotis).	Landscape and ecological engineering, Springer Publication	Jan-26	https://doi.org/10.1007/s11355-025-00692-3	SCIE (Q2)
68	Computer Science and Engineering	S. Harihara Gopalan, V. Vignesh, D. Sivaganesan & S. S. Sivaraju	ARFO-HBA: An Adaptive Red Fox Optimization Framework with Heap-Based Bucketization for Privacy-Preserving Data Publishing	SN Computer Science , Springer Publication	Jan-26	https://doi.org/10.1007/s42979-025-04572-3	SCIE (Q2)
69	ECE & VLSI	K. C. Rajarajeshwari, N. Saravanakumar	A high-performance dual-element slotted THz antenna with enhanced MIMO metrics for 5G/6G applications	Wireless Networks, Springer Publication	Jun-25	10.1007/s11276-025-03990-8	SCIE (Q2)
70	Electrical and Electronics Engineering	Hubert Tony Raj L Edward Rajan Samuel Nadar	Analysis and Design of Enhanced Gain Two-Switch Modified DC-DC Converter	International Transactions on Electrical Energy Systems, Wiley	Mar-26	https://doi.org/10.1155/etep/1008021	SCIE (Q2)
71	Electricals and Electronics Engineering	T. Sathesh Kumar, S. Kirubadevi, P. Shanmugapriya & Balasubbareddy Mallala	Small-hydropower microgrid in smart distribution network with grid-isolated electric vehicle charging system using KMA-SDRN algorithms	Electrical Engineering , Springer Publication	Jul-25	https://doi.org/10.1007/s00202-025-03185-6	SCIE (Q2)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
72	Electronics and Communication Engineering	Suresh Babu V, Vijaykumar V R, Mohaideen Abdul Kadhar K, Sudhakar R	Multi-Objective Threshold Optimized Image De-Noising Algorithm for High Density Mixed Impulse Noise	Journal of Intelligent and Fuzzy Systems, SAGE Publications Ltd	Jul-25	https://doi.org/10.1177/18758967251353036	SCIE (Q2)
73	Electronics and Communication Engineering	N. Sugirtham & R. Sudhakar	Deep Edge-VCS: Dual-Domain Transformer-Based Framework for Secure Visual Cryptography	Iranian Journal of Science and Technology, Transactions of Electrical Engineering , Springer Publication	Oct-25	https://doi.org/10.1007/s40998-025-00918-y	SCIE (Q2)
74	Electronics and Communication Engineering	Gurunathan Velliangiri, Sudhakar Radhakrishnan and Valentina E Balas	Vein Based Multimodal Biometric System Using Handcrafted and Deep Features	Acta Polytechnica Hungarica, Budapest Tech	Dec-25	10.12700/APH.2.9.2025.9.12	SCIE (Q2)
75	Electronics and Communication Engineering	S. Thilagavathi & R. Sudhakar	Frequency selective surface integrated self-isolated four element MIMO antenna for 5G mm Wave applications	Telecommunication Systems, Springer Publication	Jan-26	https://doi.org/10.1007/s11235-025-01394-9	SCIE (Q2)
76	Electronics and Communication Engineering	G.Sathya, V.K. Sudha, M.Muthukumar, and Ajithkumar Sitharaj	Experimental Study on the Thermal Stability and Cooling Efficacy of a Graphene-Al ₂ O ₃ -Reinforced Salt Hydrate Phase-Change Material for Solar Photovoltaic Modules	Journal of Materials Engineering and Performance, Springer Publication	May-26	https://doi.org/10.1007/s11665-026-14141-1	SCIE (Q2)
77	Information Technology	T. Gayathri, S. Uma Maheswari, S.Ponni Alias Sathya, T. Satyanarayana Murthy, Pramoda Patro	Machine Learning-Enhanced DDoS Attack Detection and Mitigation in VANET Infrastructure	Transactions on Emerging Telecommunications Technologies, Wiley	Nov-25	https://doi.org/10.1002/ett.70262	SCIE (Q2)
78	Information Technology	Nileshsingh V. Thakur, S.Vijayakumar, L.Meenachi, Subhranginee Das, Pramoda Patro	Federated Learning Approach for Distributed DDoS Detection in VANETs	Transactions on Emerging Telecommunications Technologies, Wiley	Dec-25	https://doi.org/10.1002/ett.70312	SCIE (Q2)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
79	Information Technology	G. Priyadharshini, P. Ponni & Sukanya Varshini	Enhanced YOLOV5-LSTM Framework for Multi-Object Detection and Tracking in Surveillance Videos	Iranian Journal of Science and Technology, Transactions of Electrical Engineering, Springer Publication	Jan-26	https://doi.org/10.1007/s40998-025-01013-y	SCIE (Q2)
80	Information Technology	T Ragunthar, S Annie Christila, B Jyoshna, L Meenachi , Subhranginee Das, Pramoda Patro	Machine Learning-Driven Intrusion Detection Systems for Anomaly Detection in Vehicular Ad-Hoc Networks	Transactions on Emerging Telecommunications Technologies, Wiley	Jan-26	https://doi.org/10.1002/ett.70363	SCIE (Q2)
81	Information Technology	A.Vaideghy, P.Ashok, P. S.Immaculate, A. S.Haroon, S. P. A.Sathya , and R.Sathya	Big Data Analytics for VANET Security: A Machine Learning-Driven Attack Monitoring System	Transactions on Emerging Telecommunications Technologies, Wiley	May-26	https://doi.org/10.1002/ett.70435Digital Object Identifier (DOI)	SCIE (Q2)
82	Mechanical Engineering & Automobile Engineering	Rama Thirumurugan, M Padmanaban, T Ramkumar, D Shanmugam	Investigation of mechanical and tribological behavior of Al-Ni-Co-MWCNT composites prepared by powder metallurgy technique	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, SAGE Publications Ltd	Feb-26	10.1177/09544089241228942	SCIE (Q2)
83	Mechanical Engineering & Civil Engineering	Nathan, D., Natarajan, N., Jayaraj, M., Ayyappan, S.	Comprehensive analysis of surface modification techniques on natural plant fibers.	Composite interfaces, Taylor and Francis Ltd.	Apr-26	https://doi.org/10.1080/09276440.2026.2655557	SCIE (Q2)
84	Mech, S&H & Auto	Jayaraj M, Rama Thirumurugan, Parveen S, Shanmugam D, Hariharasakthisudhan P and Gopinath R	Fracture behavior and biodegradation characteristics of lignocellulosic-filled polyvinyl alcohol biofilms for green packaging solutions	Journal of Thermoplastic Composite Materials , SAGE Publications Ltd	Jan-26	https://doi.org/10.1177/08927057261421175	SCIE (Q2)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
85	Mechanical Engineering	Giridharadhayalan, M., Ramkumar, T. , Selvakumar, M	Fatigue Life Prediction of Ti–5Al–2.5Sn Alloy Reinforced Tungsten Composites Using Machine Learning	Transactions of the Indian Institute of Metals , Springer Publication	Jul-25	https://doi.org/10.1007/s12666-025-03674-z	SCIE (Q2)
86	Mechanical Engineering	Bharathiraja R, Ramkumar T , Selvakumar M, Radhika N, Praveenkumar N, Mohanraj M, Mohamed Iqbal Shajahan	Advancements in paraffin wax phase change materials: A comprehensive review of enhancement techniques and thermal storage applications	Thermochimica Acta, Elsevier Publication	Sep-25	https://doi.org/10.1016/j.tca.2025.180129	SCIE (Q2)
87	Mechanical Engineering	K. Hariharan , N. Sathishkumar, K. Saravanan & G. Arumaikkannu	Surface Topography Modulation of Hydroxyapatite-Coated Polyamide Using Pulsed Laser Deposition for Improved Tissue Integration	Journal of Thermal Spray Technology , Springer Publication	Sep-25	https://doi.org/10.1007/s11666-025-02072-7	SCIE (Q2)
88	Mechanical Engineering	Sathish Kamaraj, Baskar Sanjeevi, Hariharasakthisudhan Ponnarengan , Logesh Kamaraj, and Sathickbasha Katharbasha	Wear performance and optimization of h-BN-modified AZ91/TiB2 magnesium composites under dry sliding conditions	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, SAGE Publications Ltd	Sep-25	https://doi.org/10.1177/13506501251372828	SCIE (Q2)
89	Mechanical Engineering	R Gunasekaran , P Hariharan & B. Mouli Prasanth	Experimental studies of micro-EDM process parameter on titanium alloy using cryogenic treated copper tool by MCDM technique	Sādhanā, Springer Publication	Oct-25	https://doi.org/10.1007/s12046-025-02956-y	SCIE (Q2)
90	Mechanical Engineering	Hariharasakthisudhan Ponnarengan , Sathish Kannan, Logesh Kamaraj, Nabil Hassan, Saeed Fahad Abdulqader Ahmad Alhajri, Rahmat Agung Susantyoko	Trade-Offs Between Viscoelastic and Impact Performance in CFF-Printed Onyx Composites: A Taguchi L27 Study With MARCOS/CRITIC/FUCOM	SPE Polymers, Wiley	Sep-25	https://doi.org/10.1002/pls2.70022	SCIE (Q2)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
91	Mechanical Engineering	Manoj Mohan Prasath, V., Sitharaj, A. K., Jayaraj, M. , Muthukumaran, N., & Thirumurugan, R.	Mechanical and thermal properties of sustainable laminated natural fiber composites reinforced with recycled textile waste	Journal of Adhesion Science and Technology, Taylor and Francis Ltd.	Dec-25	https://doi.org/10.1080/01694243.2025.2604184	SCIE (Q2)
92	Mechanical Engineering	Sathish Kamaraj, Baskar Sanjeevi, Hariharasakthisudhan Ponnarengan , Logesh Kamaraj, Sathickbasha Katharbasha	Tribological performance optimization of AZ91/TiB2 magnesium matrix composites using stacked ensemble learning and Bayesian methods	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, SAGE Publications Ltd	Sep-25	https://doi.org/10.1177/13506501251377565	SCIE (Q2)
93	Mechanical Engineering	Mohamed Iqbal Shajahan, T.Ramkumar , R. Bharathiraja & Gandhi Mallela	Thermophysical properties of hybrid nano-enhanced paraffin wax as PCM for thermal management applications Thermophysical properties of hybrid nano-enhanced paraffin wax as PCM for thermal management applications Thermophysical properties of hybrid nano-enhanced paraffin wax as PCM for thermal management applications	Journal of Thermal Analysis and Calorimetry, Springer Publication	Jan-26	https://doi.org/10.1007/s10973-025-15120-9	SCIE (Q2)
94	Mechanical Engineering	V Vignesh Kumar, K Gomathi, T.Ramkumar , B Balasubramanian, L Karthikeyan	Microstructural Evolution and Corrosion Behaviour of Al7075 Metal Matrix Composites Reinforced With Hexagonal Boron Nitride	Materials and Corrosion, Wiley	Feb-26	10.1002/maco.70126	SCIE (Q2)
95	Mechanical Engineering	P Hariharasakthisudhan , Mohamed Fazil Kaja Mydeen, Sridhar raj Subramaniam, Vishnu Chitravel, K Logesh	Finite-element, ensemble learning and grey-wolf optimization of open-cutout titanium fiber metal laminates	International Journal on Interactive Design and Manufacturing (IJIDeM), Springer Publication	Feb-26	https://doi.org/10.1007/s12008-026-02524-6	SCIE (Q2)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
96	Mechanical Engineering	V. Subramanian, Logesh Kamaraj, Hariharasakthisudhan Ponnarengan & Renjin J. Bright	Stress Ratio Effects on Fatigue Life, Crack Growth, and Fracture Mechanisms in Ti/Kevlar–Jute Hybrid Fiber Metal Laminates	Fibers and Polymers, Springer Publication	Apr-26	https://doi.org/10.1007/s12221-026-01406-8	SCIE (Q2)
97	Mechanical Engineering	S.Madhusuthanan, M.Jayaraj, Dr.Rama.Thirumurugan, S.Ayyappan , V.Manoj Mohan Prasath	Mechanical, thermal and moisture behaviour of lignocellulosic with polyester resin filled basalt fiber and carbon fiber composites for structural application	Composite Interfaces, Taylor and Francis Ltd.	Apr-26	DOI: 10.1080/09276440.2026.2654110	SCIE (Q2)
98	Mechanical Engineering	N. Shanmugasundaram, P. Hariharasakthisudhan, M. Jayaraj	Modeling and Optimization of Alumina Filler-Enhanced Epoxy/Mulberry Fiber Composites Using Stacked Ensemble Modeling and Multi-objective Moth Swarm Algorithm	Journal of Materials Engineering and Performance, Springer Publication	Apr-26	https://link.springer.com/article/10.1007/s11665-026-13979-9	SCIE (Q2)
99	Mechanical Engineering	BK Parrthipan, P Narayanasamy, R Rajaprasanna, T Ramkumar , N Lenin	Microstructure Evaluation and Fatigue Properties of Automated DC Pulsed MIG Welding of Monel 400	Journal of Materials Engineering and Performance, Springer Publication	Apr-26	10.1007/s11665-025-12707-z	SCIE (Q2)
100	Science and Humanities and Electrical and Electronics Engineering	B. Saravanakumar, K. Vijayakumar, V. Regina Delcy, L. Chitra, D. Ganeshkumar , A. Zulaiga, V. C. Hariharan & P. Gowtham	MWCNT/CeVO4 nanostructured composite as electrochemical supercapacitor electrodes	Ionics, Springer Publication	Jul-25	https://doi.org/10.1007/s11581-025-06497-6	SCIE (Q2)
101	Science and Humanities and Electrical and Electronics Engineering	Arumugam Shanmugapriya, Joseph Johnson William, Lakshmanasamy Chitra, Nataraj Chithra, Deivasikamani Ganeshkumar , Periasamy Grisa, Prabhakaran Shriyash & Mathiyazhakan Lokesh Kuma	Tailored cobalt iron phosphate on carbon support via microwave technique for supercapacitor electrodes	Ionics, Springer Publication	Dec-25	https://doi.org/10.1007/s11581-025-06873-2	SCIE (Q2)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
102	Science and Humanities	S. Shanmugapriya, J. Johnson William, B. Saravanakumar & K. Somasundaram	Microwave synthesis of cobalt vanadium oxide nanospheres: boosting charge storage capacity with the addition of graphitic carbon nitride nanostructures	Ionics, Springer Publication	Oct-25	https://doi.org/10.1007/s11581-025-06754-8	SCIE (Q2)
103	Science and Humanities	Masaniammal, K., Ramesh, R.,Senthil Kumar, L., Kalaiselvi, K. ; Rajarathinam, V., Radwan, T.	Analysis of Oscillatory Behavior of Second-Order Neutral Delay Difference Equations	Mathematics, Multidisciplinary Digital Publishing Institute	Dec-25	https://doi.org/10.3390/math13243902	SCIE (Q2)
104	Science and Humanities	N Karthikeyan, B Saravanakumar, J Johnson William, PA Periasamy, D Lakshmi, P Sakthivel, P Christopher Selvin	Cobalt tailored Bi ₂ O ₃ /MWCNTs as negative electrode for high performance supercapacitors	Journal of Materials Science: Materials in Electronics, Springer Publication	Jan-26	10.1007/s10854-026-16629-x	SCIE (Q2)
105	Science and Humanities	A. Shanmugapriya, J. Johnson William, L. Chitra, N. Chithra, D. Ganeshkumar, Periasamy Grisa, Prabhakaran Shriyash, Mathiyazhakan Lokesh Kumar	Tailored cobalt iron phosphate on carbon support via microwave technique for supercapacitor electrodes	Ionics, Springer Publication	Feb-26	10.1007/s11581-025-06873-2	SCIE (Q2)
106	Science and Humanities	Kavya Balasubramanian, · Maruthamuthu Subramanian, B Saravanakumar, Vijayarangamuthu Kalimuthu	Molybdate composite based nickel and bismuth anchored on multiwalled carbon nanotubes as efficient electrodes for asymmetric supercapacitor applications	Ionics, Springer Publication	Apr-26	https://doi.org/10.1007/s11581-026-07097-8	SCIE (Q2)
107	Science and Humanities	P. A. Periasamy, N. Karthikeyan, J. Johnson William, S. Parveen, B. Saravanakumar, S. Vadivel, B. Boopathi	Microwave-aided cobalt oxide modified bismuth tin oxide (BiSnO) microrods as a novel electrode material for supercapacitor applications	J Mater Sci: Mater Electron, Springer Publication	Apr-26	https://doi.org/10.1007/s10854-026-17142-x	SCIE (Q2)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
108	Science and Humanities	P. A. Periasamy, J. Johnson William, B. Saravanakumar, N. Karthikeyan, S. Vadivel, A. Shanmugapriya, N. Regina Delcy	Interface-Engineered Fe ₂ O ₃ /MoS ₂ Nanocomposites for Supercapacitor Electrodes	Journal of Inorganic and Organometallic Polymers and Materials, Springer Publication	Apr-26	https://doi.org/10.1007/s10904-026-04262-4	SCIE (Q2)
109	Science and Humanities	Laxman Singh, Sunil Kumar, Atendra Kumar, Saravanakumar Balakrishnan , Anshuman Srivastava, R.N. Rai	Auto-flame nanoarchitectonics of LiMn ₂ O ₄ materials: An approach on soft chemistry route for robust materials production	Journal of Solid State Chemistry, Elsevier Publication	Apr-26	https://doi.org/10.1016/j.jssc.2026.126047	SCIE (Q2)
110	Science and Humanities	Deepannita Chakraborty, S. Maruthamuthu, Sathish Kumar P, B.Saravanakumar , E. Vijayakumar	Tailored electrochemical properties by defect engineered pyrochlore structured samarium ruthenate	Applied Physics A , Springer Publication	May-26	https://doi.org/10.1007/s00339-026-09728-3	SCIE (Q2)
111	Automobile Engineering	Sakthi Vadivel Kulandaisamy , Selvakumar Mani, Govindasamy Ponnusamy and Dinesh Kumar Jeganathan	Mechanical and thermal characterization of cuscuta stem fiber-reinforced biodegradable polymer composites	International Journal of Materials Research, Walter de Gruyter GmbH	Oct-25	https://doi.org/10.1515/ijmr-2025-0038	SCIE (Q3)
112	Civil Engineering	Manikandan A. , Murali Karuppusamy	Sustainable concrete modified with industrial waste and natural fibre	Gradevinar, Croatian Association of Civil Engineers	Jul-25	https://doi.org/10.14256/JCE.4201.2024	SCIE (Q3)
113	Civil Engineering	Jino, L., Berlin, M., Natarajan, N. , Vasudevan, M.	Confronting the implications of subsurface heterogeneity on the mass transfer and transport of nitrate through layered porous media.	Journal of Porous Media, Begell House Inc.	Jan-26	https://doi.org/10.1615/JPorMedia.2025053663	SCIE (Q3)
114	Computer Science and Engineering	P. Prabakaran, K. Radha , M. Meena and S. Jayachitra	Target Tracking in a Wireless Sensor Network with Meta-heuristic Optimization for Target Movement Prediction Scheme	Ad-Hoc and Sensor Wireless Networks, Old City Publishing	Sep-25	10.32908/ahsw.v61.9313	SCIE (Q3)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
115	Electrical and Electronics Engineering	M Mariappan, P Suthanthira Kumar, R Vijayakumar, L Chitra, A Senthil Kumar, D Ganeshkumar, M Sino Sebastian.	Effect of Er ³⁺ Ions on the Spectroscopic Properties of Zinc Fluoroborate Glasses for Green Emitting Device and Optical Amplifies Applicatoins	Brazilian Journal of Physics, Springer Publication	Jan-26	https://doi.org/10.1007/s13538-025-02003-5	SCIE (Q3)
116	Electronics and Communication Engineering	Sherine Jenny, R., Sudhakar, R., & Tharini, S.	Design of a Compact Present S-Box Using CBS Pre-Resolve Adiabatic Logic	IETE Journal of Research, Taylor and Francis Ltd.	Jul-25	https://doi.org/10.1080/03772063.2025.2521678	SCIE (Q3)
117	Electronics and Communication Engineering	Gali Madhavia, Chakradhar Adupaa, Ramkumar Natarajana, Anil Kumar Pathakamurib, Venkatesan R S	Performance Investigation of an L-Shaped Tunneling Gate TFET Photodetector for Near-Infrared Detection	PHSS Physics of the Solid State, Pleiades	Mar-26	https://doi.org/10.1134/S1063782625604509	SCIE (Q3)
118	Electronics and Communication Engineering	P.Gowtham, Venkatesan R S, T Subhashini, Saravanan M, Lakshmi Narayanan	Effect of AlGaN and InAlGaN Barrier Layers on the performance of GaN-based HEMTs on Sapphire substrate	Semiconductors, Pleiades	Mar-26	https://doi.org/10.1134/S1063783425603765	SCIE (Q3)
119	Electronics and Communication Engineering	M Saravanan V Bhuvaneshwari Rajam N Priya N	Effect of Al Composition in Al _x Ga _{1-x} N Barrier on Performance of Gate Field-Plate GaN HEMTs on SiC Substrates	Semiconductors, Pleiades	Mar-26	https://doi.org/10.1134/S1063782625604431	SCIE (Q3)
120	Mechanical Engineering	Sageeraj R.S.; Sathickbasha K., Hariharasakthisudhan P.; Varun Kumar A.; Venkata Ramarao Mutyala	Tribological and wear behavior of phenolic matrix brake pads reinforced with hybrid fibers and graded sulfide solid lubricant additives	Industrial Lubrication and Tribology, Emerald Publishing	Oct-25	https://doi.org/10.1108/ILT-05-2025-0240	SCIE (Q3)
121	Science and Humanities	R. Ramesh, S. Krishnaprakash, Nikola Ivkovic, Mario Konecki, Chiranjibe Jana	Spherical Picture Fuzzy Sets: Enhancing Decision-Making with Geometric Bonferroni Methods	International Journal of Analysis and Applications, Semnan University, Center of Excellence in Nonlinear Analysis and Applications	Jun-25	https://doi.org/10.28924/2291-8639-23-2025-135	SCIE (Q3)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
122	Science and Humanities	Sheikdawood Parveen , Kanagaraj Suganthi, Punniyakotti Parthipan, Murugesan Rajasekar, Theivendren Panneerselvam, Arumugam Kosiha, Giriraj Kalaiarasi	Synthesis and Characterization of Copper, Zinc, and Nickel Oxides-Based Nanocomposite by Using Clitoria ternatea Flower Extract for Antioxidant Studies and Electrochemical Applications	Chemistry Select , Wiley	Nov-25	https://doi.org/10.1002/slct.202503871	SCIE (Q3)
123	Science and Humanities	Sheikdawood Parveen , Baskar Anbumani, Manickam Karthigai Priya, Punniyakotti Parthipan, Gnanasekaran Lalitha, Ayyar Manikandan, Arumugam Kosiha, Giriraj Kalaiarasi	Biogenic-Assisted Synthesis of Cu–Zn–Co Ternary Oxides Nanocomposite: Investigation on Their Bioactivity and Electrochemical Behavior	Chemistry Select , Wiley	Feb-26	https://doi.org/10.1002/slct.202505666	SCIE (Q3)
124	Science and Humanities	K. Banupriya, Lakshmikandhan K., S.Parveen , S. Vairam	Synthesis, characterization, antioxidant and biomolecular interaction of trivalent samarium complex of cyclohexane-1,4-dicarboxylic acid as a precursor for nanosized carbonates	Bulletin of the Chemical Society of Ethiopia, Chemical Society of Ethiopia	Mar-26	https://dx.doi.org/10.4314/bcse.v40i5.9	SCIE (Q3)
125	Science and Humanities	A. Shanmugapriya, S. Parveen , G. Devagi, N. Anusuya,	Synthesis, structural characterization and apoptosis cell death facilitated palladium(II) Schiff base complexes derived from salicylaldehyde and aminoguanidine	Chemistry Select , Springer Publication	May-26	https://doi.org/10.1002/slct.73361	SCIE (Q3)
126	VLSI	G. Soundarya, Sam Suresh J. , C. Sivamani, S.D. Vijayakumar, P. Rajalakshmi, A. Senthilkumar	A Compact Multiband Strip Loaded Slot Antenna for Wi-Fi and Radar Communication	Defence Science Journal, Defence Research and Development Organisation	Jan-26	https://doi.org/10.14429/dsj.20882	SCIE (Q3)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
127	Electrical and Electronics Engineering	Anbarasu Palanisamy Loganathan Navaneetha Krishnan Narendran Arumugham Rameshkumar Kanagavel	Energy Efficient Hybrid Graph Neural Predictive Control And Quantum-Adaptive Sliding Mode Regulation For LVRT Enhancement In Smart PV-Integrated Power Grids	Rev. Roum. Sci. Techn.– Électrotechn. et Énerg., Publishing House of the Romanian Academy	Mar-26	10.59277/RRST-EE.2026.1.17	SCIE (Q4)
128	VLSI & ECE	Sam Suresh.J, A.Senthilkumar and G.Soundarya	Filtering the Future: Passive Components for 5G and 6G	Microwave Journal, Horizon House	Oct-25	https://www.microwavejournal.com/articles/44843-filtering-the-future-passive-components-for-5g-and-6g	SCIE (Q4)
129	Artificial Intelligence & Data Science	S.Nithya* , R.Geetha Rajakumari, D.C.Kiruthikka, J.Ramprasath, M.Masilamani	Deep Learning Approach for Conversion of Sign Language to Speech: Enhancing Communication for the Deaf and Dumb	International Journal of Advanced Science and Engineering, Mahendra Publications	Jun-25	https://doi.org/10.29294/IJASE.11.4.2025.4775-4784	Scopus
130	Artificial Intelligence and Data Science	S Leelavathy, J Ramprasath , I Mettildha Mary, R Nagendran, RN Devendra Kumar	Harnessing fuzzy logic framework to quantify diagnostic uncertainty in medical decision support	Fuzzy Information and Engineering, Tsinghua University Press	12/12/2025	10.26599/FIE.2025.9270070	Scopus
131	Artificial Intelligence and Data Science	Dr. S. M. Deepa, Dr. Ravikanth Garladinne, K. Ananthi , A.Shanmugapriya, Dr. G.Amirthayogam, Dr.A.S.Narmadha	Optimizing Deep Neural Networks Using Quantum-Inspired Evolutionary Algorithms For High-Dimensional Data Classification	International Journal of Advances in Signal and Image Sciences, XLESCIENCE	Jan-26	https://doi.org/10.29284/ijasis.12.1.2026.28-45	Scopus
132	Artificial Intelligence and Data Science	K. Ananthi , S. Sivakumar, D. M. A. Raja, M. Sudha, S. P. S, and C. Sandhiya	Swarm Intelligence-Based Clustering for Self-Healing Wireless Sensor Networks	International Journal of Advances in Signal and Image Sciences, XLESCIENCE	Jan-26	https://xlescience.org/index.php/IJASIS/article/view/485	Scopus

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
133	Artificial Intelligence and Data Science	Dr.A.B.Arockia Christopher, Dr.V.Arulmozhi, Dr.M.Sukanya , Dr.M.Balakrishnan	Forecasting Medication Selection through Decision Tree Algorithm Based on Human Health Conditions	Revista De Education, Defence Scientific Information and Documentation Centre	Mar-26	https://doi.org/10.82044/3U3PS	Scopus
134	Artificial Intelligence and Data Science	Ranjana R , Subha T, Narendra Kumar Rao, Indurekaa S R	Enhanced Skin Disease Classification Through Convolutional Neural Networks: A Performance Advantage Study	Ingénierie des Systèmes d'Information (ISI), International Information and Engineering Technology Association (IIETA)	Mar-26	https://doi.org/10.18280/isi.310330	Scopus
135	Artificial Intelligence and Data Science	R. Saranya, M. Rajagopal, J.Ramprasath , K. ThamaraiSelvi and S. Leelavathy	An efficient fuzzy logic-integrated hybrid deep learning framework for medical diagnosis	Fuzzy Information and Engineering , Tsinghua University Press	May-26	10.26599/FIE.2025.9270072	Scopus
136	Automobile Engineering	S. Lakshminarsimhan, S.K.Ashok , Murali, S. Karthikeyan	Dual phase Polymer Composite for IoT based adaptive thermal management in buildings	Journal of Polymer Composites, STM Journals	May-26	https://journals.stmjournals.com/journal/article=2026/view=243979/	Scopus
137	Automobile Engineering	Sadhasivam Deepan, Senthil Kumar Palaniselvam, Ashokkumar D Krishnamoorthy R, M Mahendran Thejasree Pasupuleti , Dhayanithi G Boopalan L	Optimized Design, Analysis, and Validation of a Tractor Muffler for Enhanced Back-Pressure Control and Cost Efficiency	SAE Technical Papers, SAE International	Feb-26	https://doi.org/10.4271/2026-28-0004	Scopus

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
138	Automobile Engineering	Sadhasivam Deepan Kumar, Ragupathy Karu, K N Karthick, Vishnu Ramesh Kumar R , V Kumar, R Manojkumar Karthick M and Rishab M	Development of Advanced Rider Assistance System (ARAS) for Electric Motorcycles: A Level-1 Collision Avoidance and Emergency Braking Prototype Using Ultrasonic Sensors	SAE Technical Papers, SAE International	Feb-26	https://doi.org/10.4271/2026-28-0118 .	Scopus
139	Civil Engineering	Sivapragasam, C., Vasudevan, M., Natarajan, N. , Saravanan, P.	Exploring the Challenges of LLMs in Higher Education: Is ChatGPT a Boon or Bane for the Students?	Journal of Education Engineering and Transformations, K.E. Society's Rajarambapu Institute Of Technology	Jan-26	https://doi.org/10.16920/jeet/2026/v39is2/26068	Scopus
140	Civil Engineering	Sivapragasam, C., Vasudevan, M., Natarajan, N. , Saravanan, P.	A Formative Assessment Approach to Examine Cognitive and Attitudinal Effects of AI-based LLM Use among Undergraduate Engineering Students	Journal of Education Engineering and Transformations, K.E. Society's Rajarambapu Institute Of Technology	Jan-26	https://doi.org/10.16920/jeet/2026/v39is2/26067	Scopus
141	Civil Engineering	Saken Uderbayev, Dr. M. Mariappan , A.S. Madhusudhan Rao, Mallika Jain, Mr. Vishnu Kumar, Aye Min Win	Impact of Nanomaterials on the Mechanical Properties of Concrete: A Comparative Study of Strength and Durability	International Journal of Advances in Signal and Image Sciences, XLESCIENCE	Mar-26	https://doi.org/10.29284/fk67en54	Scopus
142	Civil Engineering	S.D.Anitha Selvasofia, Dr.S.Deepa Shri, M.Sathish, R.Anuja , R.Saraswathy, Arun Kumar Munimathan	Lockdown Turned Farm to Fork-Dream or Reality-Agricultural Situation in Thanjavur, India before, during and after COVID-19	MSW Management, Forester Communications Inc.	Mar-26	10.7492/3tqsqh13	Scopus
143	Civil Engineering	Dr. Prasoon PP, Anurekha G S, Manikandan A , Dr.A.Ravindra, Dr. S. Yuvaraj,Suja S Nair, Dr.B.Prasad	Deep Learning–Based Structural Health Assessment of Concrete Structures Using IoT Sensor Networks	MSW Management, Forester Communications Inc.	Mar-26	https://mswmanagementj.com/index.php/home/article/view/2103	Scopus

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
144	Civil Engineering	Mohd Nadim Ahmed, Mohanadhas Berlin, Narayanan Natarajan	Experimental analysis of the hydraulics of overland flow under different slope gradients and flow conditions	ISH Journal of Hydraulic Engineering, Taylor and Francis Ltd.	Jan-26	https://doi.org/10.1080/09715010.2025.2584052	Scopus
145	Civil Engineering	Vikas Prakash Jadhao, M. Sandra Carmel Sophia, M. Mariappan , AUGUSTO ELIAS GARCIA CORZO, Anduri Sreenivasulu, Pradyut Chowdhury.	Integrated Project Management Approaches for Sustainable Architectural and Civil Engineering Infrastructure Development	Scientific Culture, ZENODO	May-26	https://doi.org/10.5281/zenodo.12426872	Scopus
146	Civil Engineering	Dineshkumar, S. , Berlin, M., Natarajan, N. , Vasudevan, M.	Integrating Pollution Indices and Multivariate Tolerance Analysis for Heavy Metal Risk Assessment in Pollachi Surface Waters.	ISH Journal of Hydraulic Engineering , Taylor and Francis Ltd.	May-26	https://doi.org/10.1080/09715010.2026.2664167	Scopus
147	Computer Science and Engineering	Dr. N. Senthil Madasamy , Dr. A. Noble Mary Juliet , P. Boopathi Rajan	Enhancing bidirectional gated recurrent unit with activation mechanism for anomaly classification for network security	Sigma Journal of Engineering and Natural Sciences, Yildiz Technical University.	Feb-26	10.14744/sigma.2026.1988	Scopus
148	Computer Science and Engineering	Shabariram Chokkalingam Palaniappan Priya Ponnuswamy, Bhuvana Shanmugam and Sivaganesan Dhandapani	Workload Offloading in Object Detection using Edge Optimization and Deep Learning Model	Journal of Engineering Science and Technology Review, International Hellenic University School of Science and Technology	Mar-26	10.25103/jestr.191.18	Scopus
149	CSE, S&H & AIDS	G.Deepa , R.Ramesh , J.Ramprasath , R.Marriappan	Neutrosophic Entropy Enhanced MADM Model for Evaluating and Selecting Email Phishing Detection Algorithms	International Journal of Advanced Science and Engineering, Mahendra Publications	Mar-26	https://doi.org/10.29294/IJASE.123.2026.6261-6272	Scopus
150	Cyber Security	M. Prasannablesy , Jeslin Benita Ponnarasi M , J. Rini Angeline Vinshia , Nandhini D, S. Pooja, R. Divya	Revolutionizing attack detection in healthcare WSNs with stereoscopic scalable quantum convolutional neural network	Information Security Journal: A Global Perspective , Taylor and Francis Ltd.	May-26	https://doi.org/10.1080/19393555.2026.2652332	Scopus

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
151	Electrical and Electronics Engineering	Anbarasu P, Loganathan N, Narendran A and Rameshkumar	Design and intelligent tuning of a proportional–integral–derivative controller for an armature-controlled DC motor	International Journal of Advanced Technology and Engineering Exploration, ACCENTS Journal	Jan-26	http://dx.doi.org/10.19101/IJATE.E.2025.121220008	Scopus
152	Electrical and Electronics Engineering	Vinoth Kumar P, Ganga M , Vijayakumar K, Umamaheswari K , Gunapriya Devarajan, M. Batumalay	Data-Driven Evaluation of a Gamified Breath-Holding Training Application to Improve CT Scan Quality and Reduce Patient Anxiety	Journal of Applied Data Sciences, Bright Publisher	Jan-26	https://doi.org/10.47738/jads.v7i1.804	Scopus
153	Electrical and Electronics Engineering	B. Janani, R. Muthubharathi , V.Ravichandran, A. Sivakumar, N. Alagusundari, A. Senthil Kumar Prateek Srivastava	A Multiobjective Hybrid Harris Hawks Optimization and Proximal Policy Optimization Approach for Efficient Cloud–Fog Task Scheduling	SN Computer Science, Springer Publication	Apr-26	https://doi.org/10.1007/s42979-026-04937-2	Scopus
154	Electronics and Communication Engineering	Sarankumar R, Chairman M , Sooriya Prabha S, Manojkumar B	Revolutionary IoT Cold Chain Monitoring for Freshness Preservation	International Journal of Basic and Applied Sciences, Science Publishing Corporation Inc.	Sep-25	https://doi.org/10.14419/h8xbdg96	Scopus
155	Electronics and Communication Engineering	S. Bharathi , Konios , Alexandros, Manikandasamy , Nandhakumar, V K , Sudha, M, Chairman,B,Senbagam.	AI Revolutionizing Cybersecurity: An Overview	International Journal of Basic and Applied Sciences, Science Publishing Corporation Inc.	Dec-25	https://doi.org/10.14419/h8xbdg96	Scopus
156	Electronics and Communication Engineering	S. Bharathi , Alexandros Konios, and Nandhakumar Manikandasamy	Evaluating The Efficacy and Safety of the Reconnaissance and Vulnerability Discovery Lock Agents in Harbor-Lock for Enterprise-Scale Penetration Testing	Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications, Innovative Information Science & Technology Research Group	Dec-25	https://doi.org/10.14419/a3kpw407	Scopus

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
157	Electronics and Communication Engineering	C Moorthy , T Kannan, S Abiramasundari , J Dhanasekar	Self-Evolving Neural Imaging Models For Automated Disease Localization In Multimodal Scans	International Journal of Advances in Signal and Image Sciences, XLESCIENCE	Jan-26	https://doi.org/10.29284/ijasis.12.1.2026.15-27	Scopus
158	Electronics and Communication Engineering	Dr. V. V. Teresa. Dr. A. N. Duraivel, Ms.S.Kokilamani , Ms. Saranya R.	Cross-Technology Evaluation of a Gate-Diffusion-Input Magnitude Comparator for Scalable CMOS Architectures	International Journal of Advances in Signal and Image Sciences, XLESCIENCE	Jan-26	https://doi.org/10.29284/ijasis.12.1.2026.104-123	Scopus
159	Information Technology	Saravanan Subramani, J. Janet, J. Sebastian Nixon, L. Meenachi , Krishnaraj Natarajan	Privacy-Preserving Decentralized AI for Secure Data Sharing in 6G	Internet Technology Letters, Wiley	Feb-26	https://doi.org/10.1002/itl2.70234	Scopus
160	Information Technology	Gnana Rubini R, J. Raja, P. Kamaraja pandian, Vilas Namdeo Nitnaware, Sheemona Joseph, S. Ponni Alias Sathya	Effective Image and Video Recognition Techniques in Environmental and Earth Monitoring Systems Using Remote-Sensed Intelligent Visual Analytics	Journal of Applied Science and Technology Trends, Academia	Feb-26	doi:10.38094/jas-tt605659	Scopus
161	Information Technology	Ponni Alias Sathya , A. Kavipriya,C. C. Elakkiya,S. Subhasini	Web based OCT Classifier for Early Retinal	Signa, Universidad Nacional de Educacion a Distancia	May-26	22.20118.SIGNA.2026.V13.4.02571	Scopus
162	Information Technology	Radhey Shyam Meena, K. Arun, S.Ponni alias Sathya , Dvssv Prasad, P. Vidhushini, K.R.Prasanna Kumar, K. Amudha and Rajendiran M	IoT-Enabled Polymer–Gel PCM Composites for Intelligent Thermal Management in Solar Facade Applications	Journal of Polymer Composites, STM Journals	May-26	https://journals.stmjournals.com/journal/article=2026/view=243236/	Scopus
163	IT, AIML & MCA	T. Sumathi , P. Jessie , Vijayalakshmi B , Divya Vahini Suresh , M. Sakthivadivel	A Hybrid CNN-Transformer Architecture for Robust Multi-Feature Heart Disease Prediction Using Clinical and Electrophysiological Biomarkers	International Journal of Drug Delivery Technology, International Society for Science and Nature	May-26	10.25258/ijddt.16.47s.59	Scopus

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
164	Master of Computer Applications	Dr. R. Muthusami & Dr. K. Saritha	Lightweight lexical augmentation for robust transformer-based student feedback classification	Discover Education, Springer Publication	Jan-26	https://doi.org/10.1007/s44217-026-01159-9	Scopus
165	Master of Computer Application	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 Publication	Oct-25	https://doi.org/10.1007/s40031-024-01181-1	Scopus
166	MCA & S&H	Dr. Raja Rajeswari Sethuraman, Dr. B. Bala Vijaya Priya, Dr. R. Bhuvaneswari, S.Divya Vahini	Healing Through Voices: An Empathetic Digital Solution for Combating Loneliness and Alleviating Emotional Trauma	International Journal of Drug Delivery Technology, DYR Labs Pvt. Ltd.	Mar-26	10.25258/ijddt.16.10s.95	Scopus
167	Mechanical Engineering	P.Ravi kumar, K.Deepak, D.Raguraman, J.Venkatesh , S.Ram	The Role of Nano materials for Carbon Capture and Conversion for a Low-Carbon Future	Interactions, Springer Publication	Jan-26	https://doi.org/10.1007/s10751-026-02358-4	Scopus
168	Mechanical Engineering	S. Murugapoopathi T. Gavaskar Shanmuga Sundaram. Natarajan S.M. Pavadharini A. Josan	Experimental analysis of single cylinder diesel engine blended with biodiesel from rubber seed oil under variable compression ratio	International Journal of Vehicle Structures and Systems, MechAero Foundation for Technical Research and Education Excellence (MAFTREE)	Mar-26	https://doi.org/10.4273/ijvss.18.2.09	Scopus
169	Mechanical Engineering	K. Pravinkumar, S. Govarthan, E. Anbuechezhiyan, J. Ramesh Babu, J.Venkatesh , K. Prabhu & R. Ramaswamy	Exploring laser welding parameters and their effect on dissimilar aluminium alloys using composite desirability function	Interactions, Springer Publication	Mar-26	https://doi.org/10.1007/s10751-026-02421-0	Scopus
170	Mechanical Engineering	T Ramkumar , V Vigneshkumar, P Muthusamy, M Selvakumar, N Radhika, P Chandramohan	Effect of tungsten carbide addition on the corrosion behaviour of sintered Ti-3Al-2.5 V composites in sodium sulfate and sodium chloride environments	Interactions, Springer Publication	Mar-26	10.1007/s10751-026-02402-3	Scopus

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
171	Science and Humanities	T. Muthukumar, R. Ramesh, L.Chitra, K.Kalaiselvi, L.Senthil Kumar	Numerical modeling of HIV dynamics in CD4+ T-cells using fuzzy differential equations	Communications in Mathematical Biology and Neuroscience, SCIK Publishing Corporation	Nov-25	https://doi.org/10.28919/cmbn/9424	Scopus
172	Science and Humanities	R. Ramesh S. Tamilselvan , Mohanarao Navuluri	A new neutrosophic entropy measure for uncertain data in healthcare decision support systems new neutrosophic entropy measure for uncertain data in healthcare decision support systems	Journal of Applied Mathematics and Informatics, The Korean Society for Computational and Applied Mathematics	Jan-26	https://doi.org/10.14317/jami.2026.123	Scopus
173	Science and Humanities	Dr.B.Poorani	English Language Education and Learner Development: A Multidisciplinary Perspective	MSW Management, Multidisciplinary, Scientific Work and Management Journal	Jan-26	https://mswmanagementj.com/index.php/home/article/view/998	Scopus
174	Science and Humanities	Ms.K.Rajalakshmi Dr.M.Subasini	Narrative Lineage And The Fragmented Self In Michael Ondaatje's Running In The Family	MSW Management, Multidisciplinary, Scientific Work and Management Journal	Feb-26	https://mswmanagementj.com/index.php/home	Scopus
175	Science and Humanities	N.Punitha , Dr.A.Kalavathi	Numerical approach to solve Navier Stokes equations in Neutrosophic Environment	MSW Management, Multidisciplinary, Scientific Work and Management Journal	Jan-26	https://mswmanagementj.com/index.php/home/article/view/954	Scopus
176	Science and Humanities	Ms.V.Arunadevi , Dr.Subashini	The Land's Last Cry: Healing Ecological and Cultural Wounds in Mean Spirit	MSW Management, Multidisciplinary, Scientific Work and Management Journal	Jan-26	https://mswmanagementj.com/index.php/home	Scopus
177	Science and Humanities	M.Jayachithra, P.Lalitha, M.Meena, D.Prakash, A Ajith , R.S.Sundararajan, M.Shalin and T.C.SabariGirisun	Growth and Physicochemical Characterization of GABIC: A Novel Glycine-Ammonium Bicarbonate Crystal	Asian Journal of Chemistry, The Asian Publication Corporation	Mar-26	https://doi.org/10.14233/ajchem.2026.35130	Scopus

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
178	Science and Humanities	S. Tamilselvan, R. Ramesh , Mohanarao Navuluri, Y. Elamathi and Chenna Reddy Mallu	A Picture Fuzzy Set-Based MADM Framework for Personalized Hospital Recommendations Using Patient Feedback	Boletim da Sociedade Paranaense de Matemática, Sociedade Brasileira de Matematica	Mar-26	10.5269/bspm.80467	Scopus
179	Science and Humanities	Ramesh Ramasamy, Muthukumar Thangamuthu , Mariappan Ramalingam, M. Ravi Kumar Manikandan Dhayalan, Chenna Reddy Mallu	Ultrasound-Enhanced Green Synthesis of Silver Nanoparticles from Embelia Drupacea and Embelia Schimperi Extracts: Biological and Mathematical Investigations	Boletim da Sociedade Paranaense de Matemática, Sociedade Brasileira de Matematica	Mar-26	10.5269/bspm.80468	Scopus
180	Science and Humanities	Ms.R.Vilva Viruksha, Dr.R.ShivaShankari. Ms.S.Chitra	Feminist Voices in Modern Tamil Literary Works.	International Journal of Science Engineering, and Technology, Elsevier Publication	Mar-26	https://doi.org/10.5281/zenodo.19049707	Scopus
181	Science and Humanities	Raja Rajeswari Sethuraman, B. Bala Vijaya Priya, R. Bhuvaneswari	Healing through Voices: An Empathetic Digital Solution for Combating Loneliness and Alleviating Emotional Trauma	International Journal of Drug Delivery Technology, International Journal of Drug Delivery Technology	Mar-26	10.25258/ijddt.16.10s.95	Scopus
182	Science and Humanities	D. Nivetha	Pedagogical Innovations in English Education: Bridging Language Skills and Learning Sciences	MSW Management, Forester Communications Inc.	Jan-26	https://doi.org/10.7492/45amp070	Scopus
183	Science and Humanities	N. Chithra, S. Parveen , D. Tamilselvi, K. Rathidevi, G. Sathya Priyadarshini	Synthesis, Characterization and Antioxidant activity of Palladium Schiff base Complex	International Journal of Drug Delivery Technology, Dr. Yashwant Research Labs Pvt. Ltd	May-26	10.25258/ijddt.16.49s.61	Scopus

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
184	Science and Humanities	R. Bhuvaneswari, B. Bala Vijaya Priya, R. Shivashankari, R. Dhivyaa , T. Iswarya, A, Myvizhi	Psychological Trauma in Toni Morrison's Pecola and Buchi Emecheta's Gwendolen: A Comparative Study as Graphic Medicine Narratives	MSW Management, MSW Management	May-26	https://doi.org/10.7492/jzs3m435	Scopus
185	Science and Humanities	Dr. N. Sathiya, Dr. Govarthini S, Dr. B.Bala Vijaya Priya , V. Priyanga, Suseela	Impact of Artificial Intelligence Tools on Academic Writing Skills among ESL Learners: An Analytical Study	International Journal of Drug Delivery Technology, Dr. Yashwant Research Labs Pvt. Ltd	May-26	https://ijddt.com/volume16issue51/s/	Scopus
186	Science and Humanities	T. Sathishpriya, D. Mohanambal, E. Thenpandian, Yengkokpam Robinson Singh, N. Prathap, A. Ajith	Anticancer Activity and Molecular Docking Studies of Ni (II), Zn (II), Cd(II) And Hg(II) of Dptpp - Based Pyrazol Pyrimidine Complexes	International Journal of Drug Delivery Technology, Dr. Yashwant Research Labs Pvt. Ltd	May-26	10.25258/ijddt.16.45s.110	Scopus
187	Civil Engineering	Ghassan Abukhanafer*, Ashish Tiwari, Kishor Kumar S., Eswari Beeram, M. Mariappan , Pravat Ranjan Dixit, Sainath Narayan Bhavsar	Photocatalytic degradation of organic pollutants in water: Application of TiO ₂ -based nanocomposites	Periodicals of Engineering and Natural Sciences, International University of Sarajevo	Jun-25	https://doi.org/10.21533/pen.v13.i2.263	Scopus (Q2)
188	Electronics and Communication Engineering	S. Bharathi and B. Senbagam	Elephant Conservation on Indian Railways Using Deep Learning Techniques	Journal of Internet Services and Information Security, Innovative Information Science & Technology Research Group	Jul-25	https://doi.org/10.58346/IJISIS.2025.12.011	Scopus (Q2)
189	Mechanical Engineering	Prem kumar T, Avinash Kumar R, Kurian Antony, Rahul N U, Stalin Durai T and Sreejith S Nair	Temperature and humidification control studies on solar assisted egg incubator	Engineering Research Express, IOP Publishing Ltd.	Jul-25	https://doi.org/10.1088/2631-8695/ade6cc	Scopus (Q2)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
190	Artificial Intelligence & Data Science	M. Mohan, R. Vijayakarhika, M. Balakrishnan , R. Sundar, T. Chithrakuma, Vaishnavi V.	Blockchain-Augmented Zero Trust Architecture for Intrusion Detection in Decentralized IoT Networks	Journal of Intelligent Systems and Internet of Things, American Scientific Publishing Group (ASPG)	Jul-25	https://doi.org/10.54216/JISIoT.170126	Scopus (Q3)
191	Artificial Intelligence & Data Science	Karthikram Anbalagan, Ravikanth Garladinne, K.Ananthi , M. Jeba Paulin, Vairaprakash Selvaraj, Jayalalakshmi G.	Adaptive Image Enhancement Using Hybrid Deep Learning and Traditional Filtering Techniques	Journal of Intelligent Systems and Internet of Things, American Scientific Publishing Group (ASPG)	Jul-25	https://doi.org/10.54216/JISIoT.170227	Scopus (Q3)
192	Artificial Intelligence & Data Science	R. Poorni, Chinnathambi Kamatchi, Y. Dharshan, K. Kowsalya, R. Vijay, M. Balakrishnan	Real-Time Gesture Recognition Using Attention-Based CNN-RNN Framework for Human-Robot Interaction	Journal of Intelligent Systems and Internet of Things, American Scientific Publishing Group (ASPG)	Oct-25	https://doi.org/10.54216/JISIoT	Scopus (Q3)
193	Civil Engineering	Ahmed, M. N., Mohanadhas, B., & Natarajan, N.	Experimental analysis of the hydraulics of overland flow under different slope gradients and flow conditions	ISH Journal of Hydraulic Engineering, Taylor and Francis Ltd.	Nov-25	https://doi.org/10.1080/09715010.2025.2584052	Scopus (Q3)
194	Computer Science and Engineering	T. Kiruthika, M. Karpagadevi, S. Krishnaprakash, G.Deepa	SuperHyperSoft Sets Using Python and its Applications in Neutrosophic SuperHyperSoft Sets under TOPSIS Method	Neutrosophic Sets and Systems, University of New Mexico	Sep-25	https://fs.unm.edu/nss8/index.php/111/article/view/7025	Scopus (Q3)
195	Computer Science and Engineering	Vijayalaxmi Kadrolli, Nethravathi. B, Rashmi Amardeep , Chitra. AD , Narendra Kumar. A , Sivaganesan. D , Muthulakshmi. V , Savitha. P. B	Cyber Security Framework For Cloud Data Management Based On The Internet Of Things	International Journal of Applied Mathematics, Diogenes Co. Ltd.	Dec-25	https://doi.org/10.12732/ijam.v38i5.1114	Scopus (Q3)
196	Electronics and Communication Engineering	S.Thilagavathi, R.Sudhakar	Multiband Microstrip Patch Antenna Using Artificial Magnetic Conductor with Enhanced Bandwidth and Gain for Wireless Applications	Journal of Nano- and Electronic Physics, Sumy State University	Oct-25	https://doi.org/10.21272/jnep.17(5).05007	Scopus (Q3)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
197	Information Technology	Rajkumar, R Gobinath, J Thimmiraja , K.Sathesh Kumar, C Viji. A Mohanraj	Android traffic malware analysis and detection using sprint machine learning technique	Data and Metadata , Editorial Salud, Ciencia y Tecnología	Nov-25	https://doi.org/10.56294/dm20251258	Scopus (Q3)
198	S& H and IT	S. Gomathi, A. Kavitha, R. Ramesh , E. Karuppusamy, L. Meenachi	A Machine Learning Approach Using Principal Component Analysis and Cubic Spherical Neutrosophic Sets for MCDM	Neutrosophic Sets and Systems, University of New Mexico	Oct-25	https://doi.org/10.5281/zenodo.17257431	Scopus (Q3)
199	Science & Humanities	Sanjayprabu S, Senthil Kumar L , Stephan Antony Raj.A, Santhakumari R, Mareeswari R,	On Performance Analysis of a Neutrosophic Bipolar Fuzzy and Texture-Based Model for COVID-19 Detection from Chest X-Rays	Neutrosophic Sets and Systems, University of New Mexico	Sep-25	https://fs.unm.edu/nss8/index.php/111/article/view/7183	Scopus (Q3)
200	Science and Humanities	S. Gomathi, A. Kalamani, L. Senthil Kumar , Rahul Shukla	Cubic Spherical Neutrosophic Weighted Geometric Heronian Mean Operator for MCDM with Application to Fertilizer Selection	Neutrosophic Sets and Systems, University of New Mexico	Sep-25	https://fs.unm.edu/nss8/index.php/111/article/view/7242	Scopus (Q3)
201	Science and Humanities	Buvaneswari Rangasamy, Senbaga Priya Karuppusamy , Seyed Ahmad Edalatpanah	Advanced bounds for eigenvalues in spectral fuzzy graph theory	Journal of Mathematical Modeling, University of Guilan	Oct-25	10.22124/jmm.2025.29543.2628	Scopus (Q3)
202	Artificial Intelligence & Data Science	Chandrashekhar A, Dr. S. M. Murali Krishna, Dr. M. Balakrishnan , Mir Sohail Ali,Yogesh H. Bhosale, Dr. Neetu Sharma	Strategic Ai-Driven Innovation Management IN Nano- Engineered Construction Materials FOR Sustainable Smart City Infrastructure	International Journal of Environmental Sciences, Integrated Publishing Association	Jul-25	https://theaspd.com/index.php/ijes/article/view/2565/1990	Scopus (Q4)
203	Automobile Engineering	Vasanthaseelan Sathiyaseelan, Subramanian Chinnasamy, V. D. Tamilarasan , Arivazhagan Sampathkumar, M. Manikandan and Sakthimurugan Veeraraghavan	Comprehensive Spectroscopic and Chromatographic Analysis of Waste Fish Oil Biodiesel using NMR, GC-MS, and FTIR Techniques for Sustainable Alternative Fuel Production	Malaysian Journal of Chemistry, Malaysian Institute of Chemistry	Jun-25	http://doi.org/10.55373/mjchem.v27i3.361	Scopus (Q4)
204	Automobile Engineering	Ganesh Radhakrishnan, Sivakumar Vaithilingam, V. D. Tamilarasan and M. Manikandan	Multi Response Optimization during Machining of Magnesium Matrix Nanocomposite Reinforced with TiN Nanoparticulates	Malaysian Journal of Chemistry, Malaysian Institute of Chemistry	Jun-25	http://doi.org/10.55373/mjchem.v27i3.370	Scopus (Q4)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
205	Automobile Engineering	Padmanabhan, S., Sivagaminathan, M., Ashok, S. K. , Sureshkumar Myilsamy, Jaichandar, S., Varunraj, S., Bhuvanesh, N.	Material–Process Interaction in AWJM of AA6082-T6: A Materials Chemistry Approach to Material Removal and Surface Integrity	Malaysian Journal of Chemistry, Malaysian Institute of Chemistry	Jun-25	https://doi.org/10.55373/mjchem.v27i3.557	Scopus (Q4)
206	Automobile Engineering	Meikandan Megaraj, Ashok Kumar, M., Ponmurugan , M., Arul, M., Ganeshkumar, A.T, Saravanan, G., Mohd Majid, Palaniswamy, D.	Chemical and Microstructural Evaluation of 16MnCr5 Steel for Enhanced Crankpin Performance in Automotive Applications	Malaysian Journal of Chemistry, Malaysian Institute of Chemistry	Jun-25	https://doi.org/10.55373/mjchem.v27i3.509	Scopus (Q4)
207	Civil Engineering	Kumar, N. Suthan, Manikandan, A. Sudharsanan , M. Subash, N.	Investigation on Steel-Infilled Self-Cured Concrete Tube	Journal of Environmental Protection and Ecology, Scibulcom Ltd.	Jul-25	https://scibulcom.net/en/article/QtyJsBLmWeS8HqyvJpff	Scopus (Q4)
208	Civil Engineering	Nipun Kumar, Amitava Sil, M. Mariappan , Sudheer Choudari, Vivek Patva, Ash Kumar, Amogh Ajay Malokar	Performance-Based Evaluation Techniques for Seismic Vulnerability Assessment of Reinforced Concrete Structures	International Journal of Computational and Experimental Science and Engineering, IJCESN	Jul-25	https://doi.org/10.22399/ijcesen.2839	Scopus (Q4)
209	Civil Engineering	Sharmila, Sivalingam ; Vasudevan, Mangottiri; Dineshkumar, Senthilkumar ; Natarajan, Narayanan ; Sindhuja, K.	Assessment of Eggshell Waste as a Sustainable Calcium Source for Biocementation-Based Soil Stabilization	Journal of Solid Waste Technology and Management, Widener University School of Civil Engineering	Jul-25	https://doi.org/10.5276/jswtm/iswmaw/513/2025.314	Scopus (Q4)
210	CSE & IT	M.Gomathi, D.Manojkumar , P.Rajeswari, S.Ramaraj	IoT-BCR: A Blockchain and Cognitive Radio-Based Framework for Secure and Efficient Wireless Communication	Journal of Neonatal Surgery, EL-MED-Pub	Jul-25	https://www.jneonatsurg.com/index.php/jns/article/view/4034/7386	Scopus (Q4)
211	Electricals and Electronics Engineering	L. Hubert Tony Raj, G. Ramprakash, A. Venkatesh, K. Umamaheswari and K. Durgalakshmi	Design of non-isolated DC-DC converter-based LED driver for electric vehicle	ARNP Journal of Engineering and Applied Sciences, Asian Research Publishing Network	Aug-25	https://doi.org/10.59018/052580	Scopus (Q4)

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

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
212	Information Technology	R. Gowrishankar, V.J. Arulkarthick, A.P. Janani , K. Sundaresan, U. Barakkath Nisha, R. Yasir Abdullah and Thrivikram Bathini	An architectural framework for interoperable security anomaly detection in edge computing and SDN using gradient-boosted trees	International Journal of Grid and Utility Computing, Inderscience Enterprises Ltd	Sep-25	https://doi.org/10.1504/IJGUC.2025.148540	Scopus (Q4)
213	Science and Humanities	D. Tamilselvi, K. Rathidevi, N. Chithra , R. Nandhini	Eco-friendly Production of Zinc Oxide Nanoparticles via Morinda citrifolia for Solar-driven Photocatalytic Decomposition of Malachite Green Dye	Journal of Environmental Nanotechnology, Institute for Environmental Nanotechnology	Sep-25	https://doi.org/10.13074/jent.2025.09.2511366	Scopus (Q4)
214	Information Technology	Dr.C.Jeevanantham	An Ensemble Machine Learning Approach for Detecting fake Profile on Social media	Journal of Chemical Health Risks, Islamic Azad University	Mar-26	—	Scopus
215	Electronics and Communication Engineering	Dr.V.Ravichandran, Dr.A.Nesarani, M.Jeba Paulin, A.Anist, Bhuvaneshwari V , Geethapriya N	Crosstalk Two -Channel DWDM Photonic Demultiplexer Based on 2D Photonic Crystal with Circular resonant Cavity	International Journal of Advances in Signal and Image Sciences, XLESCIENCE	Jan-26	—	Scopus

BOOK PUBLICATIONS

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article (MCET Authors Mentioned in RED Colour)	Title of the Book	Name of the Publisher	ISBN Number	Month & Year of Publication
1	Electricals and Electronics Engineering	Ms. Jeyarani R ,K. Nanthitha , Dr Sweta Kumari, Kishore Balasubramanian	Deep Reinforcement Learning Applications in Autonomous Systems and Decision Making	RADemics Research Institute	ISBN10: 9349552981 ISBN13: 9789349552982	Jun-25
2	Electronics and Communication Engineering	Dr. P. Venugopal, Dr. S. Gopinath, Mr.M.Chairman , Ms. T. Vijayalakshmi	Industry 4.0: The Rise of Smart Manufacturing and Automation	Protek Publications	ISBN : 978-93-6228-876-9	Jun-25
3	Electronics and Communication Engineering	S. Anitha S. Abiramasundari S. Muthu Vijaya Pandian	Wireless Sensors Network Design	LAP LAMBERT Academic Publishing	ISBN: 620845297X	Aug-25
4	Artificial Intelligence & Data Science	Ms.K.Tamilselvi	Data Preparations : Pre-processing and Exploratory Analysis	-	ISBN : 978-81-988835-2-0	Jun-25
5	Artificial Intelligence & Data Science	Ms.R.Rathika	Artificial Intelligence and Big Data Analytics: Techniques and Applications	-	ISBN : 978-93-49818-07-1	Jul-25

BOOK CHAPTER PUBLICATIONS

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article (MCET Authors Mentioned in RED Colour)	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	D. Mohanapriya, M. Chairman , B. Manojkumar, P. Mathivanan, and G. Kalpana	Neural Network Technologies and Brain-Computer Interfaces	Enhancing Assistive Technologies With Brain-Computer Interfaces (BCIS) and AI for Optimizing Neurorehabilitation Approaches to Recovery	IGI Global	ISBN 979-8369394458	https://link.springer.com/chapter/10.1007/978-981-96-5265-5_27	Jun-25
2	Electronics and Communication Engineering	S. Thilagavathi , T. Sathiyapriya , R. Sudhakar & V. Gurunathan	Millimeter Wave and Terahertz Devices for 5G and 6G systems	Design and Optimization of MIMO Configuration with Circular Polarization for Ultra-Reliable 5G Networks	Springer	ISBN: 978-3-031-78801-7	10.1201/9781003532323-9	Jul-25
3	Information Technology	S. Selvanayaki , A. S. Muthanantha Murugavel, and S. Deepa	Smart Healthcare, Clinical Diagnostics, and Bioprinting Solutions for Modern Medicine	System for Continuous Tracking of Diabetes Management and Patient Health	IGI Global	ISBN: 979-8337306599	https://doi.org/10.1002/9781394302628.ch8	Jun-25
4	Mechanical Engineering	M. Jayaraj , M. Praveen Kumar, R. Sivakumar, V. Kiruthiga Devi	Handbook of AI-Based Mechatronics Systems and Smart Solutions in Industrial Automation	Industrial AI for the Smart Manufacturing Sector	CRC Press	ISBN : 978-1032615790	https://doi.org/10.1002/9781394302628.ch9	Sep-25
5	Mechanical Engineering	Gokulkumar Sivanantham, Gurupranes Sivaraj Vijaya , Aravindh Murugan, Vijayakkannan Kaliappan	Sustainable Composites for Automotive Engineering	Recycled industrial waste-based composites for automobiles toward a green environment	Woodhead Publishing	Page No. 69-91	https://hosturl.link/MId8R5	Sep-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article (MCET Authors Mentioned in RED Colour)	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
6	Mechanical Engineering	P. Hariharasakthi sudhan , K. Logesh, K. Sathickbasha, Sathish Kannan	Sustainable Composites for Automotive Engineering	Studies on novel filler-modified glass laminate aluminum-reinforced epoxy laminates for lightweight applications	Woodhead Publishing	Page No. 133-154	https://doi.org/10.1016/B978-0-443-23669-3.00006-3	Sep-25
7	Electronics and Communication Engineering	Bharathi, S. , Senbagam, B.	ICT: Applications and Social Interfaces	Automatic Vehicle License Plate Recognition Using Deep Learning in Real-Time Scenarios	Springer	Page No. 63-73	https://doi.org/10.1007/978-981-96-4142-0_6	Oct-25
8	Information Technology	S. Ramakrishan, J. Ramprasath, S. Soundariya, S. Sujan, J. Tarun & K. Saranya	Data Mining and Information Security	Multimodal Biometric Homomorphic Encryption in Wavelet Domain	Springer	Page No. 551-561	https://doi.org/10.1007/978-981-96-6046-9_34	Sep-25
9	Artificial Intelligence & Data Science	S. V. Divya,P. Venkadesh, M.Rajalakshmi , C. Berin Jones,S. Yazhini & M. Shify Antolin	Smart Data Intelligence	Leveraging Optimized BiLSTM and XGBoost for Early Detection of Alzheimer's Disease	Springer	Page No. 351-365	https://doi.org/10.1007/978-981-96-5265-5_27	Oct-25
10	Electronics and Communication Engineering	P. Manjula, K T M Princy, K.Saranya , G. Uthradevi	Applications of Federated Learning in Technological Advancements: Use Cases and Applications	Federated Deep Learning for Cyber-Physical Systems in Real-World Scenarios	Taylor & Francis	Page No. 141 - 151	https://doi.org/10.1201/9781003532323-9	Sep-25
11	Artificial Intelligence & Data Science	S. Naganandhini, M.Vijayakumar , K.Gopalakrishnan and T.Nithya	Graph Theory for Computer Science	Understanding Dependency Graphs in parallel and Distributing Computing from Concept to Execution	Wiley	NA	https://doi.org/10.1002/9781394302628.ch8	Nov-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article (MCET Authors Mentioned in RED Colour)	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
12	ECE&VLSI	K.C. Rajarajeshwari, N.Saravanakumar, K.N. Vijeyakumar	Design of Implantable and Wearable Fractal Antenna for COVID-19 Health Monitoring Devices	Decision Sciences in Bioinformatics, Theory and Practices	CRC Press	NA	https://doi.org/10.1201/9781003449058	Mar-26
13	VLSI	M. Thillai Rani, M. Navin Kumar, M. Jaishree, and K. P. Sai Pradeep	Efficient VLSI Architecture for MIMO Communication Implemented on FPGA	Proceedings of the 4th International Conference on Signal and Data Processing	Lecture Notes in Electrical Engineering, Springer	Page No. 441-454	https://link.springer.com/chapter/10.1007/978-981-95-1058-0_35	Jan-26
14	Information Technology	G.Saranya, Dr.S.Ramkrishnan	Healthcare data Privacy using federated learning	International Conference on Intelligent Vision and Computing	Springer Nature Switzerland	Page No. 183-196	https://doi.org/10.1007/978-3-032-10670-4_16	Jan-26
15	IT & AIDS	A. G. Priya Varshini, N. Kiruba, M. Harini, S. Harini, J. Ramprasath & S. Ponni Alias Sathya	Advanced Skin Cancer Detection Using Deep Learning and Hybrid Pre-Processing Techniques	Intelligent Vision and Computing	Springer Nature	Page No. 405-417	https://doi.org/10.1007/978-3-032-10670-4_33	Jan-26
16	Information Technology	S. Ponni Alias Sathya, R. Sanjay, D. Aravindhana, L. Aswinramana, Pooranaprasath	Real-time object identification and activity classification in surveillance videos for anomaly detection and SOS alerts	Artificial Intelligence and Sustainable Innovation	CRC Press	-	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003731689-91	Jan-26
17	Artificial Intelligence and Machine Learning	G. Sathish Kumar , G. Uma Maheshwari, B. Arun Kumar , A. Andrine Dinola , and P. Jenita	Quantum AI-Powered and HPC Applications for Sustainable Environment and Climate Change	Sustainable Artificial Intelligence-Powered Application	Springer	ISBN 978-3-032-15188-9	https://doi.org/10.1007/978-3-032-15188-9	Feb-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article (MCET Authors Mentioned in RED Colour)	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
18	Artificial Intelligence and Machine Learning	Selvakumar T , Keerthana K P, Saravanakumar P	Emerging Technologies and Future Trends in Computing	SJ Publication	SJ Publication (Ariviyam Groups)	ISBN : 978-81-998728-8-2	https://doi.org/10.5281/zenodo.18596423	Feb-26
19	Science and Humanities	Dr.B.Poorani	Words that Reshape Worlds: Democratization of Social Discourse through Literature	Hybridity And Resistance: Cultural Identity In Postcolonial & Diasporic Narratives	Royal Book publishing	ISBN (13) : 9788199032460	https://doi.org/10.26524/royal.304.13	Jan-26
20	Civil Engineering	L Jino, Swapnali Doley, M.Berlin, A.Vanav Kumar, N.Natarajan, Ashwin Jacob	Neural Network–Based Heat Transfer Optimization of Casson Nanofluid Flow for Sustainable Energy Applications	Artificial Intelligence and Machine Learning in Heat Transfer Optimization for Sustainable Energy Systems	CRC Press	Page No. 116-133	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003647782-6	Mar-26
21	Science and Humanities	R. Velmurugan, J. Sudarvel, R. Bhuvaneswari , S. Senthilkumar,	Design AI-Integrated Learning Programs and Curricula	Cases on AI-Driven Talent Economy and Human Capital	IGI Global Scientific Publishing	Page No. 189 -208	https://doi.org/10.4018/979-8-3373-3867-5.ch008	Mar-26
22	Science and Humanities	R. Velmurugan, J. Sudarvel, R. Bhuvaneswari , Ravi Thirumalaisamy	Upskilling for ESG: Executive Programs and Short Courses With Industry Partner	University- Industry Partnerships for ESG Talent Development	IGI Global Scientific Publishing	Page No. 445 -476	https://doi.org/10.4018/979-8-3373-4475-1.ch017	Mar-26
23	Mechanical Engineering	Hari harasakthisudhan Ponnarengan , Sathickbasha Katharbasha, Varun Kumar Arulvizhi	Advanced ArtificialIntelligence and Machine Learning Strategies for Optimizing lightweight Materials Processing for Electric Vehicles	Book title: Lightweight Materials for Electric Vehicles	Taylor and Francis	Page No. 16, 2026	https://doi.org/10.1201/9781003596097	Jan-26
24	Mechanical Engineering	T Ramkumar , V Vigneshkumar, M Selvakumar, Manoj Gupta	Effect of ZnO-Mg coating on fluid flow dynamics and thermal performance in AISI 4140 steel	Powder Metallurgy	Elseiver	Page No. 295-309	https://doi.org/10.1016/B978-0-443-22025-8.00023-1	Jan-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article (MCET Authors Mentioned in RED Colour)	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
25	Artificial Intelligence and Machine Learning	Ujjwal Agarwal, T.Selvakumar , V. P. Sriram, Kamal Gulati, L. K. Joshila Grace, Eti Khatri	Manufacturing Marvels: A Comprehensive Study on Computational Intelligence	Computational Intelligence Solutions for Real-Life Problems	Apple Academic Press	ISBN : 9781998511013	https://doi.org/10.1201/9781998511013	Mar-26
26	Artificial Intelligence and Data Science	Ms. Indurekaa. S.R , Dr. S. Balapriya Dr. R. Ranjana ,	Bio-Inspired Intelligence: Neuroscience-Driven Solutions For Cloud And Edge Computing	Smart Technologies and Intelligent Management Systems: Recent Advances in Computing and Management	SK Publication Calicut Road, Gudalur The Nilgiris	Page No. 58-73	https://doi.org/10.5281/zenodo.19426546	Apr-26
27	Science and Humanities	R. Velmurugan, R. Bhuvaneswari , Ravi Thirumalaisamy	Dental Tourism Marketing: Attracting International Patient Strategies for Dental Clinics and Health Tourism Operators	Next- Generation Treatment Methods and Destinations in Dental Health Tourism	IGI Global Scientific Publishing	Page No. 97 -118	https://doi.org/10.4018/979-8-3373-4114-9.ch005	Apr-26
28	Science and Humanities	R. Velmurugan, J. Sudarvel, R. Bhuvaneswari , Ravi Thirumalaisamy	Teacher Training: Highlighting Culturally Responsive Pedagogy and Inclusive Practices for Diverse Classrooms	Bridging Socioeconomic, Gender, and Disability Gaps in K- 12 Education	IGI Global Scientific Publishing	Page No: 55 -80	https://doi.org/10.4018/979-8-3373-4511-6.ch003	Apr-26
29	Science and Humanities	D. Nivetha	Words that Reshape Worlds: Democratization of Social Discourse through Literature	The Silent Struggles: Mental Illness and Emotional Turmoil in Indian English Novels	Royal Book publishing	ISBN (13) : 9788199032460	https://doi.org/10.26524/royal.304.16	Jan-26
30	Artificial Intelligence and Machine Learning	Ujjwal Agarwal, T.Selvakumar , V.P.Sriram, Kamal Gulati, L. K. Joshila Grace, Eti Khatri	Manufacturing Marvels: A Comprehensive Study on Computational Intelligence	Computational Intelligence Solutions for Real-Life Problems	Apple Academic Press	ISBN : 9781998511013	https://doi.org/10.1201/9781998511013	Mar-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article (MCET Authors Mentioned in RED Colour)	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
31	Artificial Intelligence and Data Science	Ms. Indurekaa. S.R, Dr. S. Balapriya Dr. R. Ranjana,	Bio-Inspired Intelligence: Neuroscience-Driven Solutions For Cloud And Edge Computing	Smart Technologies and Intelligent Management Systems: Recent Advances in Computing and Management	SK Publication	Page No. 58-73	https://doi.org/10.5281/zenodo.19426546	Apr-26
32	Science and Humanities	R. Velmurugan, R. Bhuvaneswari, Ravi Thirumalaisamy	Dental Tourism Marketing: Attracting International Patient Strategies for Dental Clinics and Health Tourism Operators	Next- Generation Treatment Methods and Destinations in Dental Health Tourism	IGI Global Scientific Publishing	Page No. 97 -118	https://doi.org/10.4018/979-8-3373-4114-9.ch005	Apr-26
33	Science and Humanities	R. Velmurugan, J. Sudarvel, R. Bhuvaneswari, Ravi Thirumalaisamy	Teacher Training: Highlighting Culturally Responsive Pedagogy and Inclusive Practices for Diverse Classrooms	Bridging Socioeconomic, Gender, and Disability Gaps in K- 12 Education	IGI Global Scientific Publishing	Page No. 55 -80	https://doi.org/10.4018/979-8-3373-4511-6.ch003	Apr-26
34	Science and Humanities	D. Nivetha	Words that Reshape Worlds: Democratization of Social Discourse through Literature	The Silent Struggles: Mental Illness and Emotional Turmoil in Indian English Novels	Royal Book publishing	ISBN (13) : 9788199032460	https://doi.org/10.26524/royal.304.16	Jan-26
35	Science and Humanities	R. Velmurugan, R.Bhuvaneswari	Inclusive Innovation: Designing Health Enterprises for Underserved Populations	IGI Global publications, 701 E. Chocolate Avenue,Hershey PA	IGI Global publications	Page No. 133-160	https://doi.org/10.4018/979-8-3373-7026-2.ch005	-
36	Science and Humanities	R. Velmurugan, R.Bhuvaneswari	Adapting to Evolution: Best Practices for Educators Facing Change	IGI Global publications, 701 E. Chocolate Avenue,Hershey PA	IGI Global publications	Page No. 187-214	https://doi.org/10.4018/979-8-3373-1350-4.ch009	-
37	Artificial Intelligence and Data Science	P Ramprakash, M. Rajeswari, Krishnaraj Natarajan, J.Ramprasath and N Saranya	Optimizing Heart Disease prediction through Machine Learning and Synthetic Data Augmentation using GANs	Artificial Intelligence in Detecting Autism	CRC Press	Page No. 224-233	https://doi.org/10.1201/9781003541318	Jun-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article (MCET Authors Mentioned in RED Colour)	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
38	Artificial Intelligence and Data Science	Krishnaraj Natarajan, N Saranya, P Ramprakash, J.Ramprasath and Shanmuga Raju	Artificial Intelligence and Robotics in Healthcare: A Comprehensive Overview	Artificial Intelligence in Detecting Autism	CRC Press	Page No. 247-255	https://doi.org/10.1201/9781003541318	Jun-26
39	Artificial Intelligence and Data Science	P Ramprakash, M.Rajeswari, Krishnaraj Natarajan, J Ramprasath and N Saranya	Liver Disease Classification in Diverse Patient Population using Ensemble Technique	Artificial Intelligence in Detecting Autism	CRC Press	Page No. 282-289	https://doi.org/10.1201/9781003541318	Jun-26
40	AIDS & CSE	J.H.Jaseema Yasmin, Veera Venkata Raghunath Indugu,A. Mohamed Anwar, M. Rajalakshmi , S. P. Santhoshkumar, and D. Vikram	Empowering rural communities: Exploring the potential of mHealth solutions	2nd Edition Integrated Technologies in Electrical, Electronics and Biotechnology Engineering Volume 1	CRC	-	https://doi.org/10.1201/9781003781011	Feb-26
41	Computer Science and Engineering	Arul Arobana Esthar D., P. Shenbagavalli, Muthulakshmi G., Ilayamani T., and D. Vikram	Improved healthcare security using MTCNN based image authentication and encryption	2nd Edition Integrated Technologies in Electrical, Electronics and Biotechnology Engineering Volume 1	CRC	-	https://doi.org/10.1201/9781003781011	Feb-26
42	CSE & Cyber Security	M. Anandaraj, V.Shanmugaveni , K.Ganesh Kumar and T.Saranya	Graph Theory for Computer Science	Understanding Dependency Graphs in parallel and Distributing Computing from Concept to Execution	Wiley	-	-	Dec-25
43	Mechanical Engineering	Sreejith S. Nair , Mahendra U. Gaikwad, Kirubanidhi Jebabalan	Handbook of Smart Manufacturing Technologies	Peering into the Smart Manufacturing—Material Forming and Joining	CRC Press	-	-	Dec-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name & affiliation of the author/s in order as per published article (MCET Authors Mentioned in RED Colour)	Title of the Book	Title of Book Chapter	Name of the Publisher	Page No. & ISBN Number	DOI	Month & Year of Publication
44	Science and Humanities	Dr.R.Shivashankari	Uncovering the Political Milieu in Eiichiro Oda's One Piece	Words that reshape worlds	Royal Book Publishing	Page No. 216-226	-	Jan-26
45	Science and Humanities	Dr.R.Bhvuneswari, Ms.R.Vilva Viruksha	Reimagining the cozy:Moral order, Domestic Space and feminine ethicsin joanne fluke hannah swensen Mysteries	worlds that worlos.Democratization of Social Discourse through Literature	Royal Book Publishing	Page No. 123-136	-	Jan-26

CONFERENCE PUBLICATIONS

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
1	Artificial Intelligence & Data Science	K. Tamilselvi	AI-Based Detection and Classification of Impacted Wisdom Teeth Using Deep Learning on Panoramic Dental X-rays	International Conference on Information Implementation, and Innovation in Technology 2025 (I2ITCON-2025)	Jul-25
2	Artificial Intelligence & Data Science	M.Arun	Adaptive TCP Everest for Wireless Networks using Real-Time RTT Optimization	International conference on Modern Sustainable Systems (CMSS 2025)	Aug-25
3	Artificial Intelligence & Data Science	Yasir Abdullah. R	A Unified Threat Intelligence Framework using FTLMS for Proactive iot Security in Cloud Environments	8th IEEE International Conference on Computing Methodologies and Communication (ICCMC 2025)	Sep-25
4	Artificial Intelligence & Data Science	Yasir Abdullah. R	Deep Pareto Scheduling: A Multi-Objective RL Framework for Low-Carbon, Energy-Efficient Cloud Workloads	IEEE 2nd International Conference on Information Technology, Electronics and Intelligent Communication Systems (ICITEICS 2025)	Aug-25
5	Artificial Intelligence & Data Science	Yasir Abdullah. R	Enhancing Scalability and Trust in Cloud Services through an Adaptive and Privacy-Preserving Security Framework	2025 IEEE 2nd International Conference on Information Technology, Electronics and Intelligent Communication Systems	Aug-25
6	Artificial Intelligence & Data Science	Yasir Abdullah. R	Context-Aware Authentication with Embedded Malware Scanning for iot Security	IEEE-WCCEST-25 (World Conference on Cutting Edge Science & Technology)	Sep-25
7	Artificial Intelligence & Data Science	Yasir Abdullah. R	Autonomous Recovery and Monitoring in AI Workflows with Generative AI	6th IEEE International Conference on Electronics and Sustainable Communication Systems (ICESCS 2025)	Sep-25
8	Artificial Intelligence & Data Science	M. Rajalakshmi	Leveraging Optimized bilstm and xgboost for Early Detection of Alzheimer's Disease	ICSMDI 2025	Oct-25
9	Artificial Intelligence & Data Science	M. Rajalakshmi	Pregnant Women's Health Monitoring using Machine learning	ICICIS 2025	Sep-25
10	Artificial Intelligence & Machine Learning	P. Jessie	Enhanced Heart Disease Diagnosis via Image Analysis and Deep Learning-Based Classification	ICITEICS	Aug-25
11	Artificial Intelligence & Machine Learning	T. Vijayakumar	A road map to automatic abnormal activity detection in real time video surveillance using machine and deep learning	ICIAET	Nov-25
12	Artificial Intelligence & Machine Learning	Kanniyarasu	Emerging Trends in Machine Learning-Driven Fall Detection: A Review of Deep Learning Architectures, Sensor Fusion, and Edge Computing for Real-Time Applications Automating online review for maximum efficiency using machine learning technique	ICETEA 2025	Jun-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
13	Artificial Intelligence & Machine Learning	T.selvakumar	Automating online review for maximum efficiency using machine learning technique	The First International Conference On Recent Trends In Artificial Intelligence, Cyber Security, And Embedded Systems (ICRTACES)	Jan-26
14	Artificial Intelligence & Machine Learning	Vivekanandan P.	Iot Security and Privacy: An Analytical Review of Current Trends and Open Challenges	ICAC – (2026)	Jan-26
15	Artificial Intelligence & Machine Learning	M.Sathish kumar	Real time public transport tracking for small cities	ICEICMEA	Feb-26
16	Artificial Intelligence & Machine Learning	Mithuna R	Multimodal Post-Disaster Building Damage Assessment with Weakly Supervised Learning	3rd IEEE International Conference on Research Methodologies in Knowledge Management, AI and Telecommunication Engineering	Apr-26
17	Artificial Intelligence & Machine Learning	Selvakumar	Multi-agent financial portfolio management system for wealth optimization	ICMSET 2026	May-26
18	Artificial Intelligence & Machine Learning	Selvakumar	A Hybrid yolov7–Swin Transformer Architecture Optimized by Cuckoo and Pelican Algorithms for Diabetic Retinopathy Grading	2026 IEEE International Conference for Convergence in Computing Technology (I3CTCON)	Mar-26
19	Artificial Intelligence & Machine Learning	Selvakumar	Dynamic Attention Multi-Path(DAMP) U-Net with Vision Transformer for Accurate	CAMAImm-2026	Mar-26
20	Artificial Intelligence & Machine Learning	M.Sathish kumar	DAPE: Decentralized Autonomous Programming Environment for Tamil NLG Code Generation	ICEICMEA	Mar-26
21	Artificial Intelligence & Machine Learning	M.Sathish kumar	Smart AI Systems and Data Inteligence	ICEICMEA	Apr-26
22	Artificial Intelligence & Machine Learning	kanniyarasu	An autonomous multi-agent elf - correcting system for open-source repository maintenance with llm-based orchestration and arize phoenix observability”	RASET (2026)	May-26
23	Artificial Intelligence & Machine Learning	Kanniyarasu	Explainable Artificial Intelligence for Loan Approval and Credit Risk Assessment: A Comprehensive Review	ICPCSN-(2026)	May-26
24	Automobile Engineering	Mr.R.B.Rajeshkumar, Dr.D.Shanmugam & Mr.J.Dineshkumar	Electric Vehicles & Allied Industries	Conference on "Electric Vehicles & Allied Industries	Jun-25
25	Automobile Engineering	Mr.N.Dhamodharan	Design and Analysis of human following trolley for luggage handling	4th International Conference on Innovative trends in engineering sciences	Oct-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
26	Automobile Engineering	Mr.R.Vishnu Ramesh Kumar	Exploring the impact of LASER cladding over titanium on oxidation behaviour of coatings	4th International Conference on Innovative trends in engineering sciences	Oct-26
27	Automobile Engineering	Mr.R.Vishnu Ramesh Kumar	High- Entropy Alloy Coating on Titanium For Improved Surface Durability: Scratch Testing Approach	International conference on Emerging trends in civil and mechanical engineering	Apr-26
28	Automobile Engineering	Dr.S.K.Ashok	Study of Corrosion characteristics of friction stir welded dissimilar joints of aluminium alloy AA2024 & AA6061	International conference on Emerging trends in civil and mechanical engineering	Apr-26
29	Automobile Engineering	Mr.S.Mahalingam	Design of AE-Based SoC–SoH Co-Estimation in Lithium-Ion Batteries	4th International Conference on Innovative trends in engineering sciences	Oct-26
30	Automobile Engineering	Mr.S.Mahalingam	Wireless charging system for EVs inside industrial work zones	4th International Conference on Innovative trends in Engineering sciences	Oct-26
31	Automobile Engineering	Mr.M.Ponmurugan	Performance analysis of double tube heat exchanger with modified inner tubes	International conference on Emerging trends in civil and mechanical Engineering	Apr-26
32	Civil Engineering	Praveen Kumar A& Krishnakumar S	Experimental Investigation on Paver Block with Waste Plastic Chips and Sugarcane Bagasse Ash	Second International Conference on Innovations in Sustainable and Digital Construction Practices (ISDCP 2026)	Mar-26
33	Civil Engineering	Suthaviji S	Lightweigh cryptographic framework for IOT enabled healthcare environment	International conference on future and advanced computing technologies 2026	Mar-26
34	Civil Engineering	Sudharsanan M	Experimental study on layered shock absorbing concrete panel using silica fume and crumb rubber	International Conference on Engineering Innovations for Sustainable Development (ICEISD 2026)	Apr-26
35	Computer Science and Engineering	Sivaganesan D	Optimized Malware Detection Using Clouded Leopard Optimization for Feature Selection	6 th International Conference on Inventive Research in Computing Applications	Jul-25
36	Computer Science and Engineering	Prabhu K	Adaptive X-Ray Image Processing: Practical Solution for Diverse Applications	IEEE sponsored 2025 International Conference on Cognitive Robotics and Intelligent Systems (ICC - ROBINS)	Jul -25
37	Computer Science and Engineering	U.Barakkath Nisha	A Unified Threat Intelligence Framework using FTLMS for Proactive iot Security in Cloud Environments	8 th International Conference on Computing Methodologies and Communication (ICCMC)	Sep-25
38	Computer Science and Engineering	A.Jayalakshmi	Smart Wearable Fitness Belt for Myoprotection	4 th International Conference on Innovative Mechanisms for Industry Applications (ICIMIA-2025)	Oct--25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
39	Computer Science and Engineering	D.Sivaganesan	Enhancing Solar Energy Forecasting and Grid Management using Explainable AI Techniques	International Conference on Modern Sustainable Systems (CMSS-2025)	Oct--25
40	Computer Science and Engineering	D Vikram	Quantum Machine Learning-Based Anomaly Detection for Cybersecurity Systems	International Conference on Next Generation Computing Systems (ICNGCS)	Oct-25
41	Computer Science and Engineering	U. Barakkath Nisha	Autonomous Recovery and Monitoring in AI Workflows with Generative AI	6 th International Conference on Electronics and Sustainable Communication Systems (ICESC)	Oct-25
42	Computer Science and Engineering	Boopathi Rajan P	EEG - Based Emotion Detection : Exploring Brain Wave Patterns using Transformer Networks	2 nd International Conference on Computing and Data Science	Nov-26
43	Computer Science and Engineering	Boopathi Rajan P	Deep Learning-Based User Behavior Prediction for IT Security and Fraud Detection	2 nd International Conference on Computing and Data Science	Nov-25
44	Computer Science and Engineering	N. Rupadevi, K. Kalyan Kumar G., K. Radha, G. Durgadevi, V. P. Parandhaman, and J. Jayanthi,	Short-term bitcoin market efficiency prediction and forecasting volatility using hybrid deep learning techniques	International Conference on Recent Innovation in Science Engineering and Technology (ICRISET), 2025	Nov-25
45	Computer Science and Engineering	P. Sathish Kumar, T. Manasa Veena, S. Saranya, S. Ramasamy, S. Aruna Deepthi, and K. Radha	Smart healthcare and wellness systems for real-time monitoring	7 th International Conference on Innovative Data Communication Technologies and Application	Dec-25
46	Computer Science and Engineering	U. Barakkath Nisha	Deep Pareto Scheduling: A Multi-Objective RL Framework for Low-Carbon, Energy-Efficient Cloud Workloads	IEEE 2 nd International Conference on Information Technology, Electronics and Intelligent Communication Systems	Jan-26
47	Computer Science and Engineering	U. Barakkath Nisha	Enhancing Scalability and Trust in Cloud Services Through an Adaptive and Privacy Preserving Security Framework	IEEE 2 nd International Conference on Information Technology, Electronics and Intelligent Communication Systems	Jan-26
48	Computer Science and Engineering	D. Vikram,B. Durga Devi Hema P,Selvam Amalraj. M Saurabh Chandra S. P. Santhoshkumar	Designing Intelligent Drones and Robots for Medical and Rescue Operations in Indian Terrains	International Conference on Future Technologies (ICFT)	Jan-26
49	Computer Science and Engineering	Sumesh Mohan, V Sheeja Kumari, C. Thirunavukkarasu; K. Kanagasabapathi, D. Vikram; S. P. Santhoshkumar	PrivAuth-IIoT: A Dual-Mode Authentication Framework with Cancelable Biometrics and RF Fingerprinting	10 th International Conference on Communication and Electronics Systems (ICCES)	Jan-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
50	Computer Science and Engineering	Sumesh Mohan, V Sheeja Kumari, S. P. Santhoshkumar; T. Nalini, D. Vikram, S Gajalakshmi	Boosting Diagnostic Accuracy in Mammary Cancer Classification with Integrated Learning Method	IEEE International Conference on Intelligent Signal Processing and Effective Communication Technologies (INSPECT)	Jan-26
51	Computer Science and Engineering	R. Saranya, R. Karthika S. Gokilapriya, S. P. Santhoshkumar, D. Vikram; Gajalakshmi S	Scalable AI-Driven Framework for Detecting and Classifying Network Attacks	IEEE International Conference on Intelligent Signal Processing and Effective Communication Technologies (INSPECT)	Jan-26
52	Computer Science and Engineering	S. Hariharasudhan, R. Karthika, K. Malarvizhi, P. Sri Rekh, D. Vikram, S. P. Santhoshkumar	Urban ParkAI: An AI-based Residential Parking Management System for Smart City Planning	5 th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS-2025)	Feb-26
53	Computer Science and Engineering	S.Prathiba , J Bhuvaneshwari , M. Murali , Binisha R , Kiruthika. B , S.Baskar	Leveraging Blockchain Technology to Improve Traceability in Organic Food Supply Chain Management using Deep Learning Technique	2 nd International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF -2025).	Feb-26
54	Computer Science and Engineering	Divyapriya S, P. Neelaveni, R. Sankar, V Mythily, C. Santhana Lakshmi, N. Vani	A Secured Artificial Intelligence (AI) Assisted Personal Data Prediction and Leakage Prevention System Using Deep Learning Logic	2 nd International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF - 2025).	Feb-26
55	Computer Science and Engineering	G. M. Sathyaseelan , Vineetha Varghes, Raja Mohamed N, N. Kavith, D. Vikram, S.P. Santhoshkumar	Automated Urine Color Analysis using MTCNN for Rapid and Non-Invasive UTI Detection	5 th International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN-2025)	Feb-26
56	Computer Science and Engineering	M Santhiya, Jasmine Sugirthabai Raja Mohamed N, D.Vikram, S.P. Santhoshkumar; Saurabh Chandra	Securing Industrial iot Environments: A Framework for Intelligent Threat Detection and Response	5 th International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN)	Feb-26
57	Computer Science and Engineering	U. Barakkath Nisha	Context Aware Authentication with Embedded Malware Scanning for iot Security	World Conference on Cutting-Edge Science and Technology (WCCEST)	Feb-26
58	Computer Science and Engineering	V.Dhivya, D.Sivaganesan, S.Senthil Prabhu, B.Suganya, C.Devipriya, T.Kanagasabapathy	Personalized kidney stone prediction:review and analysis	International Conference on Intelligent Computing, Information and Control Systems (ICOIICS)	Feb-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
59	Computer Science and Engineering	Malarkodi M,Kirubakaran S, Nagarajan S, Prasannakumar Revathi M, Saranya K	Real-Time Data Validation and Notification System for mysql using Shell Scripting and Zapier Automation	5th International Conference on Ubiquitous Computing and Intelligent Information Systems (ICUIS)	Feb-26
60	Computer Science and Engineering	G. M. Sathyaseelan, Y. Rajendra Babu,Shankar Das Boddu,N Reshma,S.P. Santhoshkumar, D. Vikram	Next-generation ransomware defense using lstm-powered behavioral analytics	9th International Conference on Computational Intelligence in Data Science (ICCIDS)	Mar-26
61	Computer Science and Engineering	Suresh C, Prabhu K Gayathri G,Senthil Prabhu S Pavithra M S. P. Santhoshkumar	AI-Powered Ophthalmology: Deep Learning Approaches for Diabetic Eye Disease Diagnosis	2nd Asia Pacific Conference on Innovation in Technology (APCIT)	Apr-26
62	Computer Science and Engineering	Dinesh Babu G L M. Indra Priya, Suresh K M. Malini,D. Vikram P. Santhoshkumar	AI-Based Phishing Attack Simulation Using Deep Learning Techniques and Cloud-Enabled Email Spoofing Detection	2025 2nd Asia Pacific Conference on Innovation in Technology (APCIT)	Mar-26
63	Computer Science and Engineering	Ms.F.Sofiah,D.Sivaganesan N. Suba Rani,A. Noble Mary Juliet, N. Senthil Madasamy J. Bhavithra,	Safe (smart alert framework for elephant) - AI based human-wildlife conflict	First International Conference Innovations in Engineering and Next-Generation Technologies for Sustainability ICINVENTS – 2025	Mar-26
64	Computer Science and Engineering	C. Devipriya M.L. Valarmathi S. Divyapriya B. Suganya	Secure Synth: An Innovative Differential Privacy Driven Framework Employing DP-AUTO-GAN for cross domain Synthetic Data and Secure Analytics	Second International Conference on Intelligent Systems for Communication, IoT and Security (ICISCoIS)	Mar-26
65	Computer Science and Engineering	S. Vidhya B. Balakumaran S. Gokilapriya S. P. Santhoshkumar D. Vikram Saurabh Chandra	Lightweight Simulation of Foundational Quantum Algorithms for Optimization and Cryptography	1st International Conference on Advancement in Futuristic Technologies (ICAFT)	Mar-26
66	Computer Science and Engineering	Dhamotharan C, .D.Sivaganesan, N. Shanmuga vadivu, Shanmugasundaram. M	Real-Time Energy Monitoring and Optimization in Healthcare using IoT and Machine Learning	6 th International Conference on Smart Electronics and Communication (ICOSEC-2025)	Apr-26
67	Computer Science and Engineering	V. Vijayalakshmi, D. Sivaganesan	An Efficient Predictive Scoring-Based Method for DFA Construction from Input Strings	4 th International Conference on Artificial Intelligence and Machine Learning Applications Theme: Healthcare and Internet of Things (AIMLA)	May-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
68	Computer Science and Engineering	S. Shivaselvi, J. Bhavithra N. Senthil Madasamy, S. Senthil Prabhu T. kanagasabapathy	An Optimized Social Semantic Mining and Denoising Framework for Personalized Recommendation Systems: Review And Analysis	6 th International Conference on Artificial Intelligence and Smart Energy (ICAIS 2026)	May-26
69	Computer Science and Engineering	Ignisha Rajathi, G. U. Barakkath Nisha, R. Vedhapriyavadhana, J. Mohanalin, L. R. Priya, R. Yasir Abdullah	Neuro evolutionary swarm intelligence framework for real time anomaly detection in IoT enabled industrial networks	22 nd EAI International Conference on Mobile and Ubiquitous Systems Computing, Networking and Services	May-26
70	Computer Science and Engineering	Balamuralitharan Balakrishnan,P Shyamala Bharathi,A Jayalakshmi, Keerthana,AP Ramesh	Reversible Logic Based Green VLSI Architecture for Sustainable Energy Efficient Computing Systems	International Conference on Electronic Systems and Intelligent Computing (ICESIC)	May-26
71	Computer Science and Engineering	D. Vikram,M. Supriya K. Tamilselvi, Thota Anitha; S. P. Santhoshkumar ;Kanakaprabha. S	`Next-Gen Access Control with AI-Powered Behavioral Defense	3 rd International Conference on Sustainable Computing and Smart Systems (ICSCSS)	May-26
72	Computer Science and Engineering	Barakkath Nisha. U Mathumitha M. Sakthivel K. Rakesh Kanna M.	Real Time Neck Posture Recognition via Adaptive Margin Dwell Gating and Quantized Linear SVM	4 th International Conference on Artificial Intelligence and Machine Learning Applications Theme: Healthcare and Internet of Things (AIMLA)	May-26
73	Computer Science and Engineering (Cyber Security)	S.Saravana kumar	Iot Security and Privacy: An Analytical Review of Current Trends and Open Challenges	International conference on Advance Computing	May-26
74	Computer Science and Engineering (Cyber Security)	M.Jotheeswari	Ensemble Machine Learning Based Intrusion Detection Framework for Cyber Physical Systems	Fourth International conference on Applied Data Sciences and Smart Systems	Apr-26
75	Computer Science and Engineering (Cyber Security)	V.Shanmugaveni	Optimized yolov7 Framework for Skin Cancer Detection using Cuckoo Search and Pelican-Based Hyper parameter Tuning	International Conference on Intelligent Innovations in Engineering and Technology	Feb-26
76	Computer Science and Engineering (Cyber Security)	M.Jeslin Benita Ponnarasi	AI-Powered Digital Forensics Framework for Intelligent Cybercrime Investigation	International Conference on Cyber Security and Cloud Computing	Mar-26
77	Computer Science and Engineering (Cyber Security)	S.Saravana kumar	Rative log analysis tool for visual representation in detecting malicious activities	International Conference on AI For sustainable Managerial Excellence and Business Practices	Mar-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
78	Electrical and Electronics Engineering	Dr.K.Umamaheswari	Electric Vehicle & Allied Industries	Conference on electric vehicles & allied industries	Jun-25
79	Electrical and Electronics Engineering	P.E.Kamalakkannan	AI-Based Extended Driver Drowsiness Detection and Notification Framework System	6th International Conference on Smart Electronics and Communication	Sep-25
80	Electrical and Electronics Engineering	Prabhu Raj M	“Sensorless Control of Brushless DC (BLDC) Motor Using Arduino	4th international conference on multidisciplinary research in education, science and technology	Dec-25
81	Electrical and Electronics Engineering	Dr.B.Vinothkumar	Embedded System for Industrial Load Management: An Evolutionary Algorithm Approach for Peak Demand Reduction	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- ‘25)	Dec-25
82	Electrical and Electronics Engineering	Dr.D.Ganeshkumar	Creation and Recongnition of 72 Mulakartha Ragas of indian classical mmusic using ML and CPS	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- ‘25)	Dec-25
83	Electrical and Electronics Engineering	Dr.D.Ganeshkumar	Efficient Implemntation of Intrusion detection using location based security stratgeis for co exiting magnet wireless sensor network	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- ‘25)	Dec-25
84	Electrical and Electronics Engineering	Dr.M.Kaliamoorthy	Fifteen-Level DC-AC Converter with Embedded Capacitor Voltage Equalization Scheme	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- ‘25)	Dec-25
85	Electrical and Electronics Engineering	A.Venkatesh	Novel pharmaceutical refrigerator monitoring based on iot	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- ‘25)	Dec-25
86	Electrical and Electronics Engineering	Dr.M.Kaliamoorthy	Modeling and forcasting the performance f the twin winding induction machine	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- ‘25)	Dec-25
87	Electrical and Electronics Engineering	R.Muthubharathi	Development of an iot-Based Principal Component Analysis Algorithm for Accurate Measuring of Plant Growth for Aeroponic	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- ‘25)	Dec-25
88	Electrical and Electronics Engineering	K.Durgalakshmi	Multi sensor helmet for enhanced rider safety and emergency alert system	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- ‘25)	Dec-25
89	Electrical and Electronics Engineering	Kamalakannan	Automated motor controller using lorawan technology	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- ‘25)	Dec-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
90	Electrical and Electronics Engineering	Kamalakannan	Automatic PV Panel Cleaning System	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
91	Electrical and Electronics Engineering	Selvanayakam A	Real-time sign language interpreter	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
92	Electrical and Electronics Engineering	K Rameshkumar,	Smart Coconut Leaf Disease Identification and Automatic Pesticide Spraying through Deep Learning and iot	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
93	Electrical and Electronics Engineering	M. Prabhu Raj	Innovative human stress level-based accident prevention	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
94	Electrical and Electronics Engineering	Dr.M.Kaliamoorthy	FPGA Implementation for Appliance Recognition in Intelligent Homes	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
95	Electrical and Electronics Engineering	Selvanayakam A	Modeling and forecasting the performance f the twin winding induction machine	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
96	Electrical and Electronics Engineering	Aarthi	An automated cow dung filtering and cleaning system	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
97	Electrical and Electronics Engineering	Dr. K. Manikandan	Sustainable Hydrogen generation System	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
98	Electrical and Electronics Engineering	Dr. Anthony Hesudurai	Automated motor controller using lorawan technology	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
99	Electrical and Electronics Engineering	Dr. Anthony Jesudurai	Automatic PV Panel Cleaning System	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
100	Electrical and Electronics Engineering	R.Muthubharathi	Automatic Medical Dispatcher with Dynamic Telemonitoring System using IoT in Rural Zones	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
101	Electrical and Electronics Engineering	Aarthi	Modeling and forecasting the performance f the twin winding induction machine	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
102	Electrical and Electronics Engineering	Mr.M.Prabhuraj	Neurosim green computing with smart resource allocation	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
103	Electrical and Electronics Engineering	Dr. B. Vinoth Kumar	Smart AC Motor Controller and Monitoring System with MIT App Integration	Emerging trends in functional materials and green materials for a sustainable world (ETFMGM- '25)	Dec-25
104	Electrical and Electronics Engineering	Arthur Vasanth J	Embedded Real time Control of Multilevel Inverter	6th International Conference on Recent Trends in Engineering, Technology and Management 2026	Apr-26
105	Electrical and Electronics Engineering	Arthur Vasanth J	Advanced Wearable Device to Enhance Women Safety and Security	6th International Conference on Recent Trends in Engineering, Technology and Management 2026	Apr-26
106	Electrical and Electronics Engineering	Dr.M.Kaliamoorthy Dineshkumar T Lakshana R,Maha Sowmiya N	A Compact Dual Output AC-AC Power Converter Enabling Independent Voltage Magnitude and Phase Control	International Conference on Recent Trends in Engineering, Technology & Management	Apr-26
107	Electrical and Electronics Engineering	A Venkatesh, Divya Sree E S Harshini Swethana V Hemachandran N	Implementation of LUO Boost Converter for High Voltage Conversion	International Conference on Recent Engineering & Technology	May-26
108	Electrical and Electronics Engineering	K.Durgalakshmi Sathiya Priya P, Sakthi Sri M Vigneswaran M	Battery Ejection and Accident Alert System for Electric Two Wheelers	International Conference on Recent Trends in Engineering, Technology & Management	April--26
109	Electrical and Electronics Engineering	Dr.K.Umamaheswari Logith P,Thirupathisamy K Tamilarasam C	Smart Inverter System for Solar Powered EV Charging System	International Conference on Recent Trends in Engineering, Technology & Management	Apr-26
110	Electrical and Electronics Engineering	Dr.B.Vinothkumar Jerson S, Preethika V B Ajay Vishnu A	VLSI Implementation of Multimode Image Processing Algorithms using FPGA	International Conference on Recent Trends in Engineering, Technology & Management	Apr-26
111	Electrical and Electronics Engineering	Dr.K.Manikandan Sivadarshini S,Gowtham M Balaji Sudhan R,Ishwarya S	A Sustainable Hydrogen Generation System	International Conference on Recent Trends in Engineering, Technology & Management	Apr-26
112	Electrical and Electronics Engineering	Dr.K.Manikandan Ranjith M, Saran R Bhuvaneshwari P	Impact Assessment of Renewable Energy Penetration on Short Circuit Levels in Distribution Network using ETAP	International Conference on Inventive Material Science & Applications	May-26
113	Electrical and Electronics Engineering	Ms.A.Selvanayakam Sakthivel H,Sivanesh S Sanjay Kumar N	AI Based Electricity Theft Detection and Consumption Prediction System	International Conference on Recent Trends in Engineering, Technology & Management	Apr-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
114	Electrical and Electronics Engineering	Ms.A.Selvanayakam Surya J, Manibharathi D Sumaiya Banu S	Smart Campus Transportation & Management System	International Conference on Sustainable Technologies & Advanced Materials (ICSTAM-26)	Apr-26
115	Electrical and Electronics Engineering	Dr.D.Ganeshkumar Saravanakumar D Vigneswaran S,Balamurali K	An Intelligent IoT Node for Low Power Data Acquisition	International Conference on Edge AI, Intelligent Analytics & Smart Computing	Mar-26
116	Electrical and Electronics Engineering	J.Nagarajan	Intelligent speed control of BLDC Motors using Machine learning algorithm	AICTE Sponsored conference on Emerging Trends in functional materials and green materials for sustainable world	Nov-25
117	Electrical and Electronics Engineering	D Sarathkumar,Sathesh Kumar Thirumalaisamy,M. Sugumaran,K. Mohanraj Nageswari D,I Raja Rajeswari	Decentralized Control Strategies for EV-Enabled Microgrids	IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECs)	Mar-26
118	Electrical and Electronics Engineering	D Sarathkumar,S Arun Kumar Sathesh Kumar, Thirumalaisamy,M Geethalakshmi,D Nageswari,S Rajesh,S PrinceSamuel Murugesan Manivel	Cybersecurity Threat Detection and Mitigation in Islanded Microgrids	IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECs)	Mar-26
119	Electrical and Electronics Engineering	U.Ramani;N. Senthilkumar; G.G. Sreeja;M.Gayathri Devi; P.E. Kamalakkannan; S.K Kiruba	AI-based Extended Driver Drowsiness Detection and Notification Framework System	6th International Conference on Smart Electronics and Communication (ICOSEC)	Apr-26
120	Electrical and Electronics Engineering	P.E. Kamalakkannan	Effective implementation of automatic plant irrigation system using Internet of Things	Emerging Trends In Functional Materials And Green Materials For Sustainable World (ETFMGM-25)	Dec-25
121	Electrical and Electronics Engineering	Ramanan Sathiaselvan Manikandan K	Prevention and Mitigation of AI-driven Ransomware Cyber Attacks in Networks: Implementation of Deep Learning and Behavioral Analysis	10 th IEEE International Conference on Smart Structures and Systems (ICSSS25)	Jan-26
122	Electronics and Communication Engineering	Sudhakar.R,C.Moorthy,A Shafeek	VLSI Implementation of an Energy-Efficient Approximate Softmax Function for Deep Neural Networks Using the PDU Technique	6 th International Conference on Inventive Research in Computing Applications (ICIRCA)	Jun-25
123	Electronics and Communication Engineering	T Sathiyapriya, Sudhakar.R, V.Gurunathan	Design and analysis of Metamaterial loaded circularly polarized Microstrip Antenna with WLAN band integrating with PLM	5 th International conference on soft computing for security applications	Aug-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
124	Electronics and Communication Engineering	C Moorthy,A Shafeek	An Intelligent Model for Detecting Cervical Cancer Using U-Net Segmentation and YOLO Classification Augmented with Lion Optimization	9 th International Conference on Inventive Systems and Control (ICISC-2025)	Aug-25
125	Electronics and Communication Engineering	Chairman M	Smart RFID traffic system for urban mobility	11 th International Conference on Electrical Energy Systems (ICEES)	Oct-25
126	Electronics and Communication Engineering	Chairman M	AI-Based Detection and Classification of Impacted Wisdom Teeth Using Deep Learning on Panoramic Dental X-Rays	International Conference on Information, Implementation, and Innovation in Technology (I2ITCON)	Nov-25
127	Electronics and Communication Engineering	M.Vignesh	Enhanced Ladyfinger Plant Disease Detection Through DenseNet	International Conference on Intelligent Innovations in Engineering and Technology (ICIET)	Feb-26
128	Electronics and Communication Engineering	A Shafeek	A Smart IoT-Based Tiger Alert System for Mitigating Human-Wildlife Conflict in the Nilgiris	10 th International Conference on Smart Structures and Systems (ICSSS)	Feb-26
129	Electronics and Communication Engineering	Venkatesan R S	Enhancing IoT-Edge Security with Deep Learning a Real-Time Intrusion Detection Framework Using UMAP and LightBGM	International Conference on Cognitive, Green and Ubiquitous Computing (IC-CGU)	Jan-26
130	Electronics and Communication Engineering	Chairman M	Enhanced Ladyfinger Plant Disease Detection Through DenseNet	International Conference on Intelligent Innovations in Engineering and Technology (ICIET)	Feb-26
131	Electronics and Communication Engineering	Chairman M	IoT-Based System for Air and Noise Pollution Surveillance in Industrial Zones	2 nd International Conference on Integration of Computational Intelligent System (ICICIS)	Feb-26
132	Electronics and Communication Engineering	Pavithra R	Compact antenna design for breast cancer diagnostics	Sixth International Conference on Optical and Wireless Technologies (OWT 2025)	Mar-26
133	Electronics and Communication Engineering	Bhuvaneshwari	Prediction of Human Animal Conflict Through Machine Learning Based HAR Algorithm	4 th International Conference on Intelligent Data Communication Technologies and Internet of Things	Apr-26
134	Electronics and Communication Engineering	Kokilamani S	Instabill: Smart Pos For Effortless Transactions	9 th IET Smart Cities Symposium	Dec-25
135	Information Technology	G.Saranya	Healthcare Data Privacy using Federated Learning	5 th International Conference on Intelligent Vision and Computing	Jun-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
136	Information Technology	R.Prabhu	A Review on AI-Driven Multi-Modal Data Integration in Personalized Medicine: Advancements in Diagnosis, Prognosis, and Treatment Optimization	International Conference on Emerging Technologies in Engineering Applications (ICETEA)	Aug-25
137	Information Technology	P.Ponni	Improving Alzheimer's Diagnosis with Deep Learning and Pre-Trained CNN Models	11 th International Conference on Communication and Signal Processing	Aug-25
138	Information Technology	R.Prabhu	Emerging Trends in Machine Learning-Driven Fall Detection: A Review of Deep Learning Architectures, Sensor Fusion and Edge Computing for Real-Time Applications	International Conference on Emerging Technologies in Engineering Applications (ICETEA)	Aug-25
139	Information Technology	R.Prabhu	Predictive Modeling of Knee Osteoarthritis Severity Using Machine Learning Techniques: A Comparative Analysis	International Conference on Advances in Computing, Communication and Materials (ICACCM)	Jul-25
140	Information Technology	R.Prabhu	Integrating Multi-Criteria Decision Making and Random Forest Framework for Product Advisory	4th International Conference on Applied Artificial Intelligence and Computing	Jan-26
141	Information Technology	R.Prabhu	Deep Learning and Explainable AI for Knee Osteoarthritis Diagnosis: A Comprehensive Review of Multitask Models, Fairness, and Diagnostic Interpretability	5th International Conference on Communication, Computing and Electronics Systems (ICCCES)	Jan-26
142	Information Technology	Dr.C.Jeevanantham	Vascore: Non Invasive PTTPowered Cardiovascular Assessment System	Fourth international Conference on Artificial Intelligence and Machine Learning Applications	Jun-26
143	Information Technology	Ms.K.Saranya	DBO-Optimized Deep Hybrid Framework for DDoS Attack Detection in VANETs	Conference on Signal, Systems, and Computing for Next-Gen Automation	May-26
144	Information Technology	R.Prabhu	AI-Driven Transformer Model for Knee Arthritis Detection: Advancements in X-ray-Based Diagnosis and Severity Classification	IEEE International Conference on Emerging Computing and Intelligent Technologies (ICoECIT)	May-26
145	Information Technology	Dr.S.Ramakrishnan	DBO-Optimized Deep Hybrid Framework for DDoS Attack Detection in VANETs	International Conference on Signal, Systems, and Computing for Next-Gen Automation (ICSSCNA 2026)	May-26
146	Information Technology	Dr. S.Ponni Alias Sathya	AI driven real time surveillance system for automated abnormal behavior detection and sos alert	International Conference on Advances in Artificial Intelligence, Machine Learning and Applications(ICAAIMLA)	May-26
147	Information Technology	Dr.AP.Janani	TRUTHLENS AI: Community Based Fakenews Detection using Louvain Clustering and Hybrid ML Analysis	International Conference on Next Generation Technologies for a Sustainable Future (ICNGTS)	Mar-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
148	Master of Computer Applications	Ms.M.Rubha	Implementation and Testing of Machine Learning Framework for Fake News Detection	International Conference on Intelligent Thinking in Technology, Science & Management(iThink2025)	Sep-25
149	Master of Computer Applications	Mrs.Sathyapriya	A Hybrid Neutrosophic Entropy-Machine Learning Framework for Intelligent Healthcare Centre selection	Emerging Trends in Functional Materials and Green Materials for a Sustainable World	Nov-25
150	Master of Computer Applications	Dr.S.Raja Rajeswari	Cloud Agnostic Architecture to Mitigate Vendor Lock In	NextGen Computing and Future Technologies (NCNCFT '25)	Oct-25
151	Master of Computer Applications	Dr.S.Raja Rajeswari	Generative adversarial network (GAN) for Image super resolution	NextGen Computing and Future Technologies (NCNCFT '25)	Oct-25
152	Master of Computer Applications	Ms.S.Divya Vahini	AI-Driven Precision agriculture for crop yield forecasting	1st International Conference on Recent Trends in Engineering and Technology	Mar-26
153	Master of Computer Applications	Ms.MRubha	GAN- Enhanced Deformable Deep Learning Architecture for Accurate Spine Abnormality Detection	9th International Conference on Inventive Computation Technologies	April--26
154	Master of Computer Applications	Dr.S.Raja Rajeswari	AI-Driven Precision agriculture for crop yield forecasting	1st International Conference on Recent Trends in Engineering and Technology	Mar-26
155	Mechanical Engineering	N. Sathiesh Kumar	Impact of PDMS/SiO ₂ -TiO ₂ Nanocoating on the Efficiency of Photovoltaic Solar Panels	Recent Advances in Electronic, Optical and Magnetic Materials, Springer Proceedings in Physics	Jan-26
156	Science & Humanities	R. Ramesh and T. Muthukumar	Ultrasound-Enhanced Green Synthesis of silver Nanoparticles from Embelia drupacea and Embelia schimperi Extracts: Biological and Mathematical Investigations	International conference on computational Intelligence and soft computing	Sep-25
157	Science & Humanities	R. Ramesh	Integrating Neutrosophic Entropy weighting and ML for MCDA in Laptop evaluation	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
158	Science & Humanities	Dr. R. Ramesh	L framework for Intelligent Healthcare centre selection	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
159	Science & Humanities	Dr. J. Johnson William & Ms.N.Chithra	Supercapacitive Performance of Transition Metal Complexes with Tridentate Schiff base Ligands: Comparative Assessment on Efficiency of Certain Metal (Co, Ni, Cu and Pd) Complexes	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
160	Science & Humanities	B.Poorani & D.Nivetha	Neural Histories: Tracing Genre Evolution in English Literature with Deep Learning	Conference on Science Technology Engineering and Management	Nov-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
161	Science & Humanities	Ms.K.Rajalakshmi	Roots and Resistance in the Select Novels of Michael Ondaatje	National Conference on Sustainable and Resilient Agriculture Innovations, Strategies and Policy Frameworks	Dec-25
162	Science & Humanities	B.Poorani	Women, Mental Health and Literature: Redefining Femininity in Contemporary Indian English Fiction	International Conference Voices, Choices, Challenges and Change:Women in a New Paradigm	Dec-25
163	Science & Humanities	Dr.M.Kalarani& Dr.T.Mathi Sujitha	Interval Valued Pythagorean Fuzzy Soft set and its Appilcation in Crop Cultivation	International Conference on Mathematical Insights into Indian Knowledge System (ICMIKS-2026)	Feb-26
164	Science & Humanities	Dr. A. Ajith	Engineered BaO Nanostructure via Co-Precipitation: Morphological Tuning, Antibacterial Activity and Visible Light Photocatalytic Efficiency	Emerging Trends in Chemistry	Jul-25
165	Science & Humanities	V. Regina Delcy & V. Umadevi	Spectroscopic, NLO and thermal studies of single crystals of picric acid	International conference on Emerging Trends in Materials Science and Technology	Aug-25
166	Science & Humanities	R.Nishanthi	Plithogenic hesitant fuzzy soft matrices	International conference on Current advances in pure and applied mathematics	Sep-25
167	Science & Humanities	R. Ramesh & T. Muthukumar	Ultrasound-Enhanced Green Synthesis of Silver Nanoparticles from Embelia drupacea and Embelia schimperi Extracts: Biological and Mathematical Investigations (ID: 25141)	International Conference on Computational Intelligence and Soft Computing (ICCISC-2025)	Sep-25
168	Science & Humanities	MS.R.Vilva Viruksha	Natrinaiyal Viruthombal	Ilakkiya Vazviyal sinathianai	Oct-25
169	Science & Humanities	R.Nishanthi	Possibility plithogenic hesitant fuzzy soft set	International conference on fuzzy intelligence modelling optimization and applications	Oct-25
170	Science & Humanities	R.Nishanthi	Plithogenic hesitant fuzzy soft topological spaces	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
171	Science & Humanities	R.Nishanthi	Nano soft matrix approach to decision making problems	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
172	Science & Humanities	V. Regina Delcy & V. Umadevi	Novel synthesis of pure and magnesium doped manganese oxide nanospheres for enhanced photocatalytic degradation against organic chemical dye	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
173	Science & Humanities	V. Regina Delcy, V. Umadevi	A novel approach to the growth and characterization of Zinc Chloro-L-Tartaric acid crystals	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
174	Science & Humanities	Dr.B.Bala Vijaya Priya	ESP8266- Based Automatic solar panel rotation system	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
175	Science & Humanities	Dr.B.Bala Vijaya Priya	Next Generation pace maker powered by piezoelectric nano material	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
176	Science & Humanities	V. Regina Delcy & V. Umadevi	Exploring the two computing worlds: A study on quantum and Classical Computer systems	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
177	Science & Humanities	V. Regina Delcy & V. Umadevi	Feauters of quantum computing :Acomprehensive review	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
178	Science & Humanities	Ms.N.Punitha	Analysis of Incompressible MHD flow with Hall effect and suction blowing using a Neutrosophic Numerical Scheme	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
179	Science & Humanities	Ms.A.Saranya	Neutrosophic Superhypersoft Topological Spaces	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
180	Science & Humanities	Dr. R. Ramesh	Integrating Neutrosophic Entropy weighing and ML for MCDA in Laptop evaluation	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
181	Science & Humanities	Dr. R. Ramesh	ML framework for Intelligent Healthcare centre selection	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
182	Science & Humanities	Dr.D.Prakash & Dr A Ajith	Sustainable synthesis of Mn ₃ O ₄ using Phoneix sylvestris leaf extract for enhanced electrochemical performance	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
183	Science & Humanities	Dr.D.Prakash	Crystal growth and characterization of succinic acid cadmium nitrate hybrid NLO and optical limiting applications single crystals	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
184	Science & Humanities	Dr.B.Saravanakumar	First principles exploration of structural robustness, electronic features and high temperature thermoelectric performance	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
185	Science & Humanities	Ms.K.Rajalakshmi	Interdisciplinary Pathways to Inclusive Pedagogy: Empowering Rural Learners through Task-Based, PPP and Multi Model Approach	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
186	Science & Humanities	Ms.K.Rajalakshmi	Digital Technologies and Emerging Linguistic Paradigms	International Conference on Language, Literature and Linguistics (ICLL 2025),	Nov-25
187	Science & Humanities	Ms.N.Chithra, Dr. J. Johnson William, Dr. P. A. Periasamy	Supercapacitive Performance of TransitionMetal Complexes with Tridentate Schiff base Ligands: Comparative Assesment on Efficiency of CertainMetal (Co, Ni, Cu and Pd) Complexes	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
188	Science & Humanities	Dr.B.Bala Vijaya Priya	GSM-Based Smart Accident Detection and Emergency Alert System	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-26
189	Science & Humanities	V.Arunadevi	The impact of taking up the linguaskill business certificate and how it helps engineering students in their career	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
190	Science & Humanities	V.Arunadevi	Analysing Language Proficiency in hetrogenous engineering students	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
191	Science & Humanities	Dr.K.Babysuganya	Analytical Evaluation of Degree-Based Indices for Composite Graphs Formed by Corona Product	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
192	Science & Humanities	Dr.P.A.Periasamy	Optimization of graphitic carbon integration in Bismuth oxide nanocomposites for high performance supercapacitor electrode	Conference on emerging Trends in Functional Materials and Green Material for a sustainable world	Nov-25
193	Science & Humanities	Ms.K.Rajalakshmi	Roots and Rsistance in the Select Novels of Michael Ondaatie	Sustainable and Resilient Agriculture: Innovations, Strategies, Policy Frameworks	Jan-26
194	Science & Humanities	Dr.R.Vidhya, Dr.R. Bhuvaneswari	Reconnecting Land, Culture, and Community: A Response to Wendell Berry's The Unsettling of America	Sustainable and Resilient Agriculture: Innovations, Strategies, and Policy Frameworks	Jan-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
195	Science & Humanities	A. Ajith,V. Umadevi, Regina Delcy, D. Prakash	Tailoring BaO Nanostructures for Photocatalytic, Antimicrobial and Supercapacitor Applications	International conference on Advanced Materials for Fabricating Smart Devices	Jan-26
196	Science & Humanities	Nivetha D, B.Poorani	Women, Mental Health and Literature: Redefining Femininity in Contemporary Indian English Fiction	International Conference Voices, Choices, Challenges and Change:Women in a New Paradigm	Jan-26
197	Science & Humanities	V.Arunadevi	Green Hrm and Digital Channels: A sustainable Approach to Human Resource Management	Digital Financial Inclusion for Marginalized Communities in the era of Amrit Kaa	Jan-26
198	Science & Humanities	V.Arunadevi	Creating Lifelong Learners: keeping Race with a changing world.	Prospects of Artificial Intelligence (AI) and Personalized Learning in Inclusive Education Integrated	Jan-26
199	Science & Humanities	Dr.K.Masaniammal & Dr.N.Selva Nandhini	Analysis and Oscillation behaviour of Third order Neutral difference equation mixed non-linearities	International Conference on Mathematical Insights into Indian Knowledge System (ICMIKS-2026)	Feb-26
200	Science & Humanities	Dr.K.Senbaga Priya & Dr.K.Vishalakshi	On the spectral bounds of fuzzy laplacian spread	International Conference on Mathematical Insights into Indian Knowledge System (ICMIKS-2026)	Feb-26
201	Science & Humanities	Dr D Prakash	Influence of Co/Ni ration on Structural and Electrochemical Performance of CoNiO Electrodes for Supercapacitor Application	International Conference on Innovative Trends in Engineering and Sciences	Apr-26
202	Science & Humanities	Dr.B.Bala Vijaya Priya	Hybrid CNN-LSTM Framework for Real time Detection of Machine Learning Generated Phishing Attacks	International Conference on Augmented Intelligence and Sustainable Systems	Apr-26
203	VLSI	Dr.N.Saravanakumar	“Multi-Objective AI Optimization of Compact ISM-Band Antennas	Conference On Recent Advancement in Physical Sciences (ICRAPs-2026)	Feb-26
204	VLSI	P.Vanjipriya	ASIC DESIGN OF Area efficient filters for Digital Image Processing	International conference on Research in electronics Engineering and Communication Technology	Nov-25
205	VLSI	Dr.Sakthimohan M	Development of Compensation Based 4:2 Compressor-Based Ultra-Low Power Approximate Multipliers	International Conference of Advances in Engineering and Computing Technologies for Sustainable Development	Mar-26

Dr. Mahalingam College of Engineering and Technology
Office of Dean Research & Innovation
Research Publication Details
AY 2025- 2026

S. No.	Name of the Department	Name of the Author(s)	Title of the Paper	Name of the Conference	Month & Year of Publication
206	VLSI	Dr.Sakthimohan M	A Dual-Purpose Smart Health Monitoring System for Fall and Respiration Detection using mmWave Radar and IoT Integration	First International Conference of Advances in Engineering and Computing Technologies for Sustainable Development (AECTSD)	Mar-26
207	VLSI	Dr.Sakthimohan M	Smart Shopping Trolley with Automatic Billing and Voice Assistance System	First International Conference of Advances in Engineering and Computing Technologies for Sustainable Development (AECTSD)	Mar-26