

Details of Journal and Conference Publications

Academic Year: 2025- 2026

Details of Journal Publications

S.No.	Name of the faculty	Title of the paper	Name of the Journal	Volume No. Issue No. & Page No.	Month & Year	Impact factor & Quartiles (Q1 / Q2/ Q3 / Q4)	Online Link of the Paper
1	Malathy Sathyamoorthy	A hybrid Spatial Ant Lion optimization and utilitarian data transmission approach for intelligent optimization for energy-efficient wireless sensor networks	Scientific Reports	15, 21808 (2025)	July 2025	3.9 & Q1(SCI)	https://www.nature.com/articles/s41598-025-06001-0
2	Malathy Sathyamoorthy	A hybrid physics-informed neural and explainable AI approach for scalable and interpretable AQI predictions	MethodsX	15, 103597	29 August 2025	1.9 & Q2(SCIE)	https://www.sciencedirect.com/science/article/pii/S2215016125004418
3	K. Kalaivanan	Enhanced ammonia contamination prediction in aquaculture ponds using stereoscopic scalable quantum convolutional networks with simplicial attention network	Iran Journal of Computer Science	8, 2709–2731	14 October 2025	2.6 & Q2(Scopus)	https://link.springer.com/article/10.1007/s42044-025-00341-w
4	Malathy Sathyamoorthy	A DAG-enabled cryptographic framework for	Scientific Reports	16,953	SCI	3.9 & Q1(SCI)	https://www.nature.com/articles/s41598-025-06001-0

		secure drug traceability with identity-bound authentication and anomaly detection					8-025-30413-7
5	Malathy Sathyamoorthy	ResNet-EfficientNet powered framework for high-precision cough-based classification of infectious diseases	Scientific Reports	15, 38975	06 November 2025	3.9 & Q1(SCI)	https://www.nature.com/articles/s41598-025-22874-7
6	B.Dhananjiyan	The AI-powered soft skills renaissance: cultivating human abilities in the digital era	AI and Ethics	6,42	05 December 2025	6.24 & Q2(Scopus)	https://link.springer.com/article/10.1007/s43681-025-00912-4
7	Malathy Sathyamoorthy	Ensemble deep learning approach for traffic video analytics in edge computing	Scientific Reports	16, 274	03 January 2026	3.9 & Q1(SCI)	https://www.nature.com/articles/s41598-025-25628-7
8	Malathy Sathyamoorthy	Secure facial biometric authentication in smart cities using multimodal methodology	Scientific Reports	29 December 2025	15, 44839	3.9 & Q1(SCI)	https://www.nature.com/articles/s41598-025-29048-5
9	D. Divya	Novel Attention-Tuned CNN for Emotion and Stress Recognition Using EEG in Cognitive Therapy Sessions	International Research Journal of Multidisciplinary Technovation	8,1	03 January 2026	0.24 & Q4(Scopus)	https://journals.asianresassoc.org/index.php/irjmt/article/view/6175
10	D. Divya	Decolonizing the Digital Classroom: A Critical Analysis of Power, Privilege, and Algorithmic Bias in AI-Mediated Learning Environments	Asian Journal of Interdisciplinary Research	8,4	30 December 2025	0.13 & Q4(Scopus)	https://journals.asianresassoc.org/index.php/ajir/article/view/6158
11	R. Menaha	An AI-Enabled Exam	International Journal	11,12	12	10.95 &	https://xlescience.o

		Proctoring Architecture Using Optimized CNN-BiLSTM Model for Fair and Secure Online Testing	of Advances in Signal And Image Science		December 2025	Q1&(Scopus)	rg/index.php/IJASIS/article/view/415
12	K. Kalaivanan	Performance enhancement of solar photovoltaic panels using a nano-enhanced phase change material composite under real-time conditions	Journal of Mechanical Science and Technology	40, 475–1480	9 February 2026	0.41& Q2 (SCIE)	https://link.springer.com/article/10.1007/s12206-026-0163-7
13	K. Kalaivanan	FedWQP: a federated deep learning technique for water quality prediction	International Journal of River Basin Management	1-20	15 February 2026	2.67 & Q2 (Scopus)	https://www.tandfonline.com/doi/full/10.1080/15715124.2026.2638863
14	M. Ashok Kumar & S. Priyadarshini	Energy efficiency clustering and distance-based routing (EECD) for wireless sensor networks	International Journal on Information Technologies and Security (IJITS)	1,18	1 March 2026	0.24 & Q4 (WoS)	https://ijits-bg.com/2026.v18.i1.01

Details of Conference Publications

S.No.	Name of the faculty	Title of the paper	Name of the Conference	Month & Year	Indexed In Scopus/ WoS	Online Link of the Paper
1	S.Priyadarshini	NextGenConnect Sign Language Using 5 -Layer CNN and MobileNetV2 Transfer Learning	2025 International Conference Next Generation Computing System(ICNGCS)	21-22 August 2025	Scopus	https://ieeexplore.ieee.org/document/11183410
2	S.Muthu Lakshmi	Blockchain-Enabled	ICSIT 2025,	22-23	Scopus	https://ieeexplore.ieee.org/docume

		Smart Vending Machine for Secure Medicine Management in Emergency Healthcare Units	Symbiosis Deemed University, India	August 2025		nt/11295296
3	S.Muthu Lakshmi	Bridging Radiology and AI: Intelligent Brain Tumor Detection and Classification Using Advanced Deep Learning Frameworks	ICSIT 2025, Symbiosis Deemed University, India	22-23 August 2025	Scopus	https://ieeexplore.ieee.org/document/11294911/authors#authors
4	M. Ashok Kumar	Deep Learning-Driven Real-Time Anomaly Detection for Proactive Cybersecurity in Critical Infrastructure	2025 6th International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS)	15-17 December 2025	Scopus	https://ieeexplore.ieee.org/document/11315590
5	J.Rathanaa Ranjeni	Wideband E-Shaped Antenna Design for Efficient Wireless Transmission	2025 6th International Conference on IoT Based Control Networks and Intelligent Systems (ICICNIS)	15-17 December 2025	Scopus	https://ieeexplore.ieee.org/document/11315769
6	K. Kalaivanan	Emerging smart glazing technologies for sustainable and	ICSAE 2025 – International Conference on	11-12 November 2025	Scopus	https://link.springer.com/article/10.1007/s10751-026-02359-3 adaptive urban environments

		adaptive urban environments	Sustainable and Affordable Energy			
7	K. Kalaivanan & M. Ashok Kumar	Emerging smart glazing technologies for sustainable and adaptive urban environments	ICSAE 2025 – International Conference on Sustainable and Affordable Energy	11-12 November 2025	Scopus	Advances in renewable energy forecasting for power grid stability: a decade review Interactions Springer Nature Link


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Faculty Books/Book Chapters Publication

Academic Year: 2025- 2026

Details of Books/Book Chapters Publication

S.No.	Name of the faculty	Title of the Book Chapter	Title of the Book & Publisher	Month & Year	Indexed in Scopus/ WoS	Online Link of the Paper
1	R.Menaha	Decentralized Digital Media Generation: A Blockchain-Based Multimodal Generative AI Framework (Book Chapter)	Fusion of Multimodal Generative AI and Blockchain Technology in Digital Media & IGI Global Scientific Publishing	Sep 2025	Scopus	https://www.igi-global.com/chapter/decentralized-digital-media-generation/389888
2	Malathy Sathyamoorthy	Domain-Specific AI Algorithms and Models in Decision-Making (Book Chapter)	Ethical Decision-Making Using Artificial Intelligence: Challenges, Solutions and Applications & Wiley	July 2025	Scopus	https://onlinelibrary.wiley.com/doi/epdf/10.1002/9781394275311.ch2
3	Malathy Sathyamoorthy	Importance of Human Loop in AI-Based Decision-Making (Book Chapter)	Ethical Decision-Making Using Artificial Intelligence: Challenges, Solutions and Applications & Wiley	July 2025	Scopus	https://doi.org/10.1002/9781394275311.ch8
4	Malathy Sathyamoorthy	Ethical Decision-Making Using Artificial Intelligence: Challenges, Solutions and Applications (Book)	Wiley Print ISBN:9781394275281 Online ISBN:9781394275311	July 2025	Scopus	https://onlinelibrary.wiley.com/doi/book/10.1002/9781394275311
5	S.Muthu Lakshmi	Case Study on AI-Based Ethical Decision-Making for	Ethical Decision-Making Using Artificial	July 2025	Scopus	https://onlinelibrary.wiley.com/doi/abs/1

		Smart Transportation (Book Chapter)	Intelligence: Challenges, Solutions and Applications & Wiley			0.1002/9781394275311.ch14
6	S.Muthu Lakshmi	Enhancing Security for Library Systems and Data (Book Chapter)	Enhancing Security and Regulations in Libraries With Blockchain Technology & IGI Global	June 2025	Scopus	https://www.irma-international.org/viewtitle/360340/?isxn=9798369396162


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