

Details of Journal and Conference Publications

Academic Year: 2024- 2025

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	Kamaraj K	Multiobjective Gannet Dung Beetle Optimization for Routing in IoT-WSN	Peer-to-Peer Networking and Applications	Volume 17, 4357-4377	Oct 2024	2.6 & Q2	https://link.springer.com/article/10.1007/s12083-024-01790-z
2	Karthic Sundaram	Advancing building energy efficiency: A deep learning approach to early-stage prediction of residential electric consumption	Energy Reports	Volume 12, 1281-1	December 2024	5.1 & Q2	https://www.sciencedirect.com/science/article/pii/S2352484724004608
3	Kamaraj K	Combinatorial test case prioritization using hybrid energy Valley Dwarf mongoose optimization approach	Expert Systems with Applications	Volume 271, 126634	May 2025	7.5 & Q1	https://link.springer.com/article/10.1007/s42044-025-00341-w
4	Malathy Sathyamoorthy	Prediction of malnutrition in kids by integrating ResNet-50-based deep learning technique using facial images	Scientific Reports	Volume 15	March 2025	3.9 & Q1	https://www.nature.com/articles/s41598-025-91825-z
5	Malathy Sathyamoorthy	Optimized hybrid machine learning framework for early diabetes prediction using electrogastrograms	Scientific Reports	Volume 15, 8875	March 2025	3.9 & Q1	https://doi.org/10.1038/s41598-025-93495-3

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	Malathy Sathyamoorthy	Deep Learning-Based Early Detection of Breast Cancer: Improving Accuracy and Efficiency in Diagnosis for Enhanced Patient Outcomes	2024 International Conference on Communication, Computer Sciences and Engineering	May 2024	Scopus	https://ieeexplore.ieee.org/document/10593396
2	Malathy Sathyamoorthy	Comparative Analysis of Unified Payment Interface (UPI) in Tamil Nadu Using Machine Learning Techniques	2024 International Conference on Communication, Computer Sciences and Engineering	May 2024	Scopus	https://ieeexplore.ieee.org/document/10593186
3	Malathy Sathyamoorthy	Enhancing Mobile Video Streaming through AMES-Cloud: A Cloud Computing Approach to Addressing Wireless Link Challenges	2024 International Conference on Trends in Quantum Computing and Emerging Business Technologies	March 2024	Scopus	https://ieeexplore.ieee.org/document/10545207
4	Malathy Sathyamoorthy	A Proposed Block chain Based Secure Electronic Health Record System	2024 International Conference on Trends in Quantum Computing and Emerging Business Technologies	March 2024	Scopus	https://ieeexplore.ieee.org/document/10545232
5	Malathy Sathyamoorthy	Optimizing Class Scheduling: A Genetic Algorithm Approach for Smart Scheduling and Builder System	2024 International Conference on Trends in Quantum Computing and Emerging Business Technologies	March 2024	Scopus	https://ieeexplore.ieee.org/document/10545033
6	Karthic Sundaram	A Deep Learning Approach to Smart Grid Stability Prediction with LSTM Network	2024 2nd International Conference on Advancement in Computation & Computer Technologies	May 2024	Scopus	https://ieeexplore.ieee.org/abstract/document/10551244

7	Muthulakshmi , Malathy Sathyamoorthy	IoT Based Water Management System and Monitoring System	3rd International Conference on Intelligent Data Communication Technologies and Internet of Things	Feb 52025	Scopus	https://ieeexplore.ieee.org/document/10915161
8	Malathy Sathyamoorthy	Harnessing Data Mining for Improved Hindi Isolated Speech Recognition	2024 International Conference on Futuristic Technologies in Control Systems & Renewable Energy	Nov 2024	Scopus	https://ieeexplore.ieee.org/document/10763309
9	Malathy Sathyamoorthy	Enhancing Image Segmentation in the Marine Atmosphere for Time-Sensitive Contextualisation using Convolutional Long Short-Term Memory	International Conference on Advances in Computation, Communication and Information Technology	March 2025	Scopus	https://doi.org/10.1109/ICAICCIT64383.2024.10912095
10	Malathy Sathyamoorthy	Predicting Parkinson's Disease Using Multimodal Data and Machine Learning Techniques	International Conference on Advances in Computation, Communication and Information Technology	March 2025	Scopus	https://ieeexplore.ieee.org/document/10912395
11	K.Suresh	License plate Detection with object classification for Road Vehicles (LPDOBV)	International Conference on Advances in Computing, Communication and Applied Informatics	May 2024	Scopus	https://ieeexplore.ieee.org/document/10602114


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Faculty Books/Book Chapters Publication

Details of Books/Book Chapters Publication

S.No.	Name of the faculty	Title of the Book/Book Chapter	Title of the Book & Publisher	Month & Year	Indexed in Scopus/ WoS	Online Link of the Paper
1	Malathy Sathyamoorthy	Computational Intelligence and Internet of Things in the Agriculture Sector: An Introduction	Computational Intelligence in Internet of Agricultural Things & Springer	Aug 2024	Scopus	https://link.springer.com/chapter/10.1007/978-3-031-67450-1_1
2	Malathy Sathyamoorthy	Fundamentals and applications of self-powered sensing systems	Self powered Sensors & Academic Press	Sep 2024	Scopus	https://www.sciencedirect.com/science/article/pii/B978044313792100067
3	Malathy Sathyamoorthy	Preface	Metaverse Technologies in Healthcare & Academic Press	July 2024	Scopus	https://www.sciencedirect.com/science/article/pii/B978044313565100130?ref=pdf_download&fr=RR-2&rr=8d259d416bf847c7
4	Malathy Sathyamoorthy	Metaverse Technologies in Healthcare(Book)	Metaverse Technologies in Healthcare & Academic Press	July 2024	Scopus	https://www.sciencedirect.com/book/9780443135651/metaverse-technologies-in-healthcare#book-description
5	Malathy Sathyamoorthy	Metaverse: A vehicle in digital healthcare	Metaverse Technologies in Healthcare & Academic Press	July 2024	Scopus	https://www.sciencedirect.com/science/article/pii/B9780443135651000075
6	Malathy Sathyamoorthy	Self-powered Sensors A Path to Wearable Electronics(Book)	Self-powered Sensors A Path to Wearable Electronics & Academic	Sep 2024	Scopus	https://shop.elsevier.com/books/self-powered-sensors/dhanaraj/978-0-443-13792-1

			Press			
7	S.MuthuLakshmi	Blockchain-Enabled Security for Smart Medicine Vending Machines Handling Expired Medications	Blockchain-Enabled Solutions for the Pharmaceutical Industry, Scrivener publishing	Dec 2024	Scopus	https://www.wiley.com/en-cn/Blockchain-Enabled+Solutions+for+the+Pharmaceutical+Industry-p-9781394287949
8	S.MuthuLakshmi	Enhancing Security and Regulations in Libraries With Blockchain Technology	Leveraging Blockchain for Future-Ready Libraries, IGI Global	Oct 2024	Scopus	https://www.igi-global.com/chapter/enhancing-security-for-library-systems-and-data/360340
9	Karthic Sundaram	Bias and Fairness in Generative AI	Generative AI and LLMs: Natural Language Processing and Generative Adversarial Networks, Walter de Gruyter	Sep 2024	Scopus	https://www.degruyter.com/document/doi/10.1515/9783111425078-009/html
10	Malathy Sathyamoorthy	Applications in Agriculture for Assessing and Monitoring Soil Using Smart Sensing and Edge Computing	Computer Vision in Smart Agriculture and Crop Management	Nov 2024	Scopus	https://onlinelibrary.wiley.com/doi/abs/10.1002/9781394186686.ch15
11	Malathy Sathyamoorthy	Efficient Network and Communication Technologies for Smart and Sustainable Society 5.0	Network Sensing Systems	Feb 2025	Scopus	https://onlinelibrary.wiley.com/doi/abs/10.1002/9781394310890.ch3
12	Malathy Sathyamoorthy	Battery Power Management Schemes Integrated with Industrial IoT for Sustainable Industry Development	Network Sensing Systems	Feb 2025	Scopus	https://onlinelibrary.wiley.com/doi/abs/10.1002/9781394310890.ch13
13	Malathy Sathyamoorthy	Computer Vision in Smart Agriculture and Crop Management(Book)	Computer Vision in Smart Agriculture and Crop Management (ISBN: 9781394186297,	Dec 2024	Scopus	https://www.google.co.in/books/edition/Computer+Vision+in+Smart+Agriculture+and/7UyEQA-AQBAJ?hl=en&gbpv=0

			1394186290) Wiley			
14	Malathy Sathyamoorthy	Networked Sensing Systems(Book)	Networked Sensing Systems (ISBN: 9781394310876, 1394310870) Wiley	Feb 2025	Scopus	https://www.google.co.in/books/edition/Networked_Sensing_Systems/ZZxDEQAAQBAJ?hl=en&gbpv=0


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