FACULTY CONFERENCE PUBLICATIONS: 2025-2026

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus / SCI / Others
1.	Dr. Kavitha Balamurugan	Smart Level Notifier for Vending Machine	IEEE Conference Proceedings, IEEE Xplore	Feb-25	https://ieeexplore.ieee.org/document/10866490	Scopus
2.	Dr. Kavitha Balamurugan	IoT Driven Hybrid Locator	IEEE Conference Proceedings, IEEE Xplore	Oct-25	https://doi.org/10.1109/ICESC65114.2025.11212387	Scopus
3.	Dr. Kavitha Balamurugan	Sustainable EMI shielding in flexible PVA matrix using Cymbopogon citratus - derived ZnO nanoparticles and natural fibre hybridization	Journal of Materials Science: Materials in Electronics, Vol. 36, Springer Nature	Aug-25	https://link.springer.com/article/10.1007/s10854-025-15536-x	SCI
4.	Dr. Kavitha Balamurugan	Sustainable EMI shielding in flexible PVA matrix using Cymbopogon citratus - derived ZnO nanoparticles and natural fibre hybridization	Journal of Materials Science: Materials in Electronics, Vol. 36, Springer Nature	Aug-25	https://link.springer.com/article/10.1007/s10854-025-15536-x	SCI
5.	Dr. Kavitha Balamurugan	Biomass extracted biocarbon and bronze nanoparticle-reinforced palm sprout fiber epoxy composite and their mechanical, dielectric, flammability, and shielding	Journal of Materials Science: Materials in Electronics, Vol. 36, Springer Nature	Nov-25	https://link.springer.com/article/10.1007/s10854-025-16093-z	SCI

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		effectiveness behavior of composite				
6.	Dr. Thulasi Bai	Spatial Analysis of Communicable Diseases and its Prevalence in India: Significance of Non-Communicable Disease (NCD) Analysis with Environment and Climate Change – 21st Century: A Comprehensive Review	AIP Conference Proceedings – Second International Conference on Communication and Smart Technologies	Jan-25	https://doi.org/10.1063/5.0247051	Scopus
7.	Dr. Thulasi Bai	Design of an Ultra-Wide Band Patch Antenna for the Detection of Cancer	AIP Conference Proceedings – International Conference on Communication, Information and Mathematical Sciences	June-25	https://pubs.aip.org/aip/acp/article-abstract/3306/1/040013/3348806/Design-of-an-ultra-wide-band-patch-antenna-for-the	Scopus
8.	Dr. Thulasi Bai	Optimised Hybrid Attention-Based Capsule Network Integrated Three-Pathway	Journal of Evaluation in Clinical Practice (Wiley)	May-25	https://onlinelibrary.wiley.com/doi/ab	Scopus

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus / SCI / Others
		Network for Chronic Disease Detection in Retinal Images			s/10.1111/jep.70126	
9.	Dr. Thulasi Bai	Investigation of Influential Environmental and Climatic Determinants on COVID-19 Spread in India to Formulate a Sustainable Pandemic Response	One Health Journal (Elsevier)	June-25	https://doi.org/10.1016/j.onehlt.2025.101042	SCI
10	Dr. Deepa Jose	ECG Classification System with Novel Spike-Driven Simulated Neural Network	Proceedings of Fourth International Conference on Computing and Communication Networks	July-25	https://link.springer.com/chapter/10.1007/978-981-96-3942-7_8	Scopus
11	Dr. Deepa Jose	A Generative Adversarial Network Approach for Predicting Outdoor Pollution Levels using Conditional Data	A Generative Adversarial Network Approach for Predicting Outdoor Pollution Levels using Conditional Data	July-25	https://doi.org/10.1109/ICSCC66177.2025.11233642	Scopus
12	Dr. Deepa Jose	Enhancing Mental Health by Stress Monitoring using Smart Wearable Technology	International Conference on Smart Computing and Communications (ICSCC)	July-25	https://doi.org/10.1109/ICSCC66177.2025.11233716	Scopus
13	Dr. Deepa Jose	Diagnosis of Diabetic Eye Disease Through Deep	International Conference on Mobile Radio	Aug-25	https://link.springer.com/chapter/10.1	Scopus

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		Learning with Retinal Fundus Images	Communications and 5G Networks		007/978-981-96-4226-7_48	
14	Dr. Deepa Jose	Feature Selection Using Hybridized Genghis Khan Shark with Snow Ablation Optimization Technique for Multi-Disease Prognosis	*Intelligence-Based Medicine* (Vol. 11)	April-25	https://doi.org/10.1016/j.ibmed.2025.100249	SCI
15	Dr. Deepa Jose	Federated Learning-Based Semantic Segmentation Framework for Sustainable Development	*Egyptian Informatics Journal* (Vol. 30)	June-25	https://doi.org/10.1016/j.eij.2025.100702	Scopus
16	Dr. Deepa Jose	EcoSaver: AI and Blockchain Energy Efficiency Solution for Sustainable Industry 5.0	Integrating Advanced Technologies for Enhanced Security and Efficiency	Aug-25	https://link.springer.com/chapter/10.1007/978-3-031-91798-1_24	Scopus
17	Dr Thomas Leonid T	Sanitary Sentinel: Safeguarding Public Health with Machine Learning-Infused Smart Toilets and Power BI Analysis for Maintenance Optimization	2024 Second International Conference on Computational and Characterization Techniques in Engineering & Sciences (CCTES) – IEEE	Feb-25	https://ieeexplore.ieee.org/abstract/document/10877506	Scopus
18	Dr Thomas Leonid T	Attention-COVIDNet: An Enhanced COVID-19	2024 IEEE International Conference on Electron	Feb-25	https://ieeexplore.ieee.org/abstract/document/10870644	Scopus

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		Classification Framework Using Attention Mechanism	Devices Society (EDSCON) – IEEE			
19	Dr Thomas Leonid T	Smart Agriculture: Leveraging IoT and Machine Learning in Wireless Sensor Networks for Precision Farming	2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES) – IEEE	Mar- 25	https://ieeexplore.ieee.org/abstract/document/10910560	Scopus
20	Dr Thomas Leonid T	Quantum Machine Learning in Genomic Data Analysis Using Quantum Support Vector Machines (QSVM)	IEEE Conference Proceedings	Aug - 25	https://ieeexplore.ieee.org/document/11102778	Scopus
21	Dr Thomas Leonid T	Research and Analysis of Market Trends with Sentimental Analysis Using SBERT	2025 12th International Conference on Emerging Trends in Engineering & Technology – Signal and Information Processing (ICETET-SIP) – IEEE	Sep- 25	https://ieeexplore.ieee.org/abstract/document/11156722	Scopus
22	Dr. Uma Kumari C R	A Comparative Study: Hybrid Deep Learning Classification for Facial Spoof Recognition with Cognitive Mechanisms GAN	International Conference on Networks and Cryptology (NETCRYPT),IEEE Xplore	July -25	https://doi.org/10.1109/ICC-ROBINS64345.2025.11086174	Scopus

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		Based Augmentation and, Multitasking				
23	Dr. B. Thyla	Design of an Ultra-Wide Band Patch Antenna for the Detection of Cancer	International conference on modelling strategies in mathematics	June-25	https://doi.org/10.1063/5.0275894	Scopus
24	Dr. B. Thyla	Predictive Model of 6-Month Prognosis of Stroke Patients Using Machine Learning Techniques	2nd International Conference on Multidisciplinary Research and Innovations in Engineering (MRIE) – IEEE	July-25	https://ieeexplore.ieee.org/document/11156366	Scopus
25	Ms Jaraline Kirubhavathy	Spatial Analysis of Communicable Diseases and Its Prevalence in India	AIP Conference Proceedings	Jan-25	https://doi.org/10.1063/5.0247051	Scopus
26	Dr Sridhathan	Assistive Vehicles for Surveillance in Remote Areas	International Conference on Information Technology, Civil Innovation, Science, and Management (ICITSM 2025)	Oct-25	https://eudl.eu/doi/10.4108/eai.28-4-2025.2357793	Scopus
27	Dr Sridhathan	Optimized desnse back-projection joint attention network for automatic seizure detection from ECG signal	Computer Methods in Biomechanics and Biomedical Engg	Nov25	https://www.tandfonline.com/eprint/GFRSBNUH855NNGHAYKSU/full?target=10.1080/1025	SCI

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus / SCI / Others
					5842.2025.247617 9	
28	Ms Jaraline Kirubhavathy	Investigation of Influential Environmental and Climatic Determinants on COVID-19 Spread in India	One Health Journal (Elsevier)	June-25	https://doi.org/10.1 016/j.onehlt.2025.1 01042	Scopus
29	Dr Ebenezer Abishek	Hybrid Optimization techniques for mobility-aware, energy-efficient small cell deployment in 5G networks	Journal of Theoretical and applied Information Technology, Vol 103,No 14	July- 25	https://www.jatit.or g/volumes/Vol103 No14/1Vol103No1 4.pdf	Scopus
30	Dr Kannan	A Reconfigurable 10 kW String Inverter Topology for Unified Symmetric and Asymmetric Multilevel AC Grid Integration	Symmetry (MDPI)	Nov-25	https://www.mdpi. com/2073-8994/17/11/1957	SCI
31	Dr Kannan	New level generation module using reduced current conducting devices for cascaded multilevel inverter topoplogy	Journel for control measurement Electronics computing and Communication s	Dec25	DOI: 10.1080/00051144. 2025.2601937	SCI
32	Mohammed Yaseen	Optimised Hybrid Attention-Based Capsule Network Integrated Three-Pathway	Journal of Evaluation in Clinical Practice (Wiley)	May-25	https://onlinelibrar y.wiley.com/doi/ab	Scopus

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus / SCI / Others
		Network for Chronic Disease Detection in Retinal Images			s/10.1111/jep.70126	
33	Dr. Aaron Kevin Cameron	Ag-CdS-Coated Cladding-Modified Fiber-Optic Sensor for Detection of NO_2 Gas	NANO	Aug25	https://doi.org/10.1142/S1793292024501066	SCI
34	Dr. Aaron Kevin Cameron	Detection and Classification of Satellite Images Using CNN and AlexNet	International Conference on Data Mining and Information Security (ICDMIS 2024), Springer LNNS	Aug-25	https://drive.google.com/file/d/1SenqvP2pjA5VxKhl6w2Pn79uGuIGN6M8/view	Scopus
35	Dr. Aaron Kevin Cameron	EC-HDLNet: Extended coati-based hybrid deep dilated convolutional learning network for brain tumor classification	Biomedical Signal Processing and Control (Elsevier – Journal)	Sept-25	https://doi.org/10.1016/j.bspc.2025.107865	SCI
36	Dr. Aaron Kevin Cameron	Diagnosis and Management of Skin Diseases Using Deep Learning	International Conference on Information Technology, Civil Innovation, Science, and Management, ICITSM	Oct-25	http://dx.doi.org/10.4108/eai.28-4-2025.2357828	Scopus

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37	Dr. Aaron Kevin Cameron	Reading Assistance System for Visually Impaired Using Raspberry Pi	International Conference on Information Technology, Civil Innovation, Science, and Management (ICITSM 2025)	Oct-25	https://eudl.eu/doi/10.4108/eai.28-4-2025.2358084	Scopus
38	Dr K.Karthika	Detection and Classification of Satellite Images Using CNN and AlexNet	International Conference on Data Mining and Information Security (ICDMIS 2024), Springer LNNS	Aug-25	https://drive.google.com/file/d/1SenqvP2pjA5VxKhl6w2Pn79uGuIGN6M8/view	Scopus
39	Dr.E.S.Selva Priya	FPGA-Based Approach for High-Performance data encryption and Decryption	Data Mining and Information Security ,Lecture Notes in Networks and Systems (LNNS), Springer (pp 561-571)	Oct-25	https://link.springer.com/chapter/10.1007/978-981-96-6060-5_42	Scopus
40	Dr K.Karthika	FPGA-Based Approach for High-Performance Data Encryption and Decryption	International Conference on Data Mining and Information Security (ICDMIS 2024), Springer – LNNS Vol. 1387	Oct-25	https://link.springer.com/chapter/10.1007/978-981-96-6060-5_42	Scopus
41	T G Arul Flora	AI-Based Epilepsy Seizure Detection by Combining Brain and Heart Signal	Data Mining and Information Security (ICDMIS 2024), Lecture Notes in Networks	Aug-25	https://link.springer.com/chapter/10.1	Scopus

S.No.	Name of the Faculty	Title of Publication	Journal Name/Conference Proceeding Name/ Book Chapter Published	Month & Year	DOI	Scopus / SCI / Others
			and Systems (LNNS), Springer (pp 513-523)		007/978-981-96-6066-7_36	
42	T G Arul Flora	Underwater image processing in dectection of polymetallic Nodules	International Conference on information Technology Civil innovation, Science and Management 2025	Jan25	DOI:40.4108/eoi.28-4-2025.2357950	Scopus
43	Dr K.Karthika	ECG-HDINet: Extended Gated-Based Hybrid Deep Dilated Convolutional Learning Network for Brain Tumor Classification	Biomedical Signal Processing and Control (Elsevier – Journal)	Sept-25	https://doi.org/10.1016/j.bspc.2025.107865	SCI
44	Ms Jayasakthi	Satellite-based Rainfall Estimation Using ML Imagery	EAI Endorsed Transactions on Smart Cities (EUDL – EAI)	April-25	https://eudl.eu/doi/10.4108/eai.28-4-2025.2358092	Scopus
45	Ms Jayasakthi	AI-based Ship to Ship Communication Using Embedded System	International Conference on Intelligent Computing and Communication Systems (ICICCS 2025) – EAI Proceedings	April-25	https://eudl.eu/doi/10.4108/eai.28-4-2025.2358122	Scopus
46	Ms Jayasakthi	Comparative Analysis of Deep Learning and Machine Learning Models for DDoS Attack Detection	OPJU International Technology Conference (OTCON) on Smart Computing for Innovation	April-25	https://doi.org/10.1109/OTCON65728.2025.11070661	Scopus

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			and Advancement in Industry 5.0			
47	M S Harish	Railway Sentinel: Smart System for Collision Avoidance and Obstacles Tracking	International Conference on Data Science and Business Systems (ICDSBS) – IEEE	June-25	https://ieeexplore.ieee.org/document/11031551	Scopus
48	M S Harish	Advancing Mine Guard System for Improved Safety of Underground Mining Workers	International Conference on Sensors and Related Networks (SENNET) – IEEE	July-25	https://ieeexplore.ieee.org/document/11136011	Scopus