Academic Research – Journal papers published – 2025-26

Proof No.	Title of the Paper	Author(s)	Name of the Journal	Publisher	Volume / Issue / Year	Indexing	Quartile	DOI / Link
J-01	Bifunctional Fluorescent AuNPs/g-C3N4 Nanomatrix for Sequential Detection of Cu2+ and Ciprofloxacin Assists the Construction of a Three-Way Molecular Logic Gate	Sowndarya Ayyavu, Sivakumar Sengodan, Daniel T. Thangadurai, Devaraj Nataraj et al.	ACS Applied Nano Materials	American Chemical Society	Vol. 8 / Issue 41 / pp. 19875-19891 / 2025-10-04	SCI / SCIE / WoS	Q1	doi.org/10.1021/acsanm.5c03350
J-02	Tree-based machine learning model to predict the performance of heavy metal removal by sulfate-reducing bacteria	N.R. Srinivasan,, T.S. Anju,, Anish Antony	Bioresource Technology Reports	Elsevier	Volume 32, December 2025	Scopus	Q1	sciencedirect.com/science/article/abs/
J-03	Incorporating a variety of synaptic dynamics in neuromorphic hardware: different types of inhibition and plasticity	Archita Hore 1 2, Saswat Chakrabarti 1, Sharba Bandyopadhyay 3	Journal of Neural Engineering	IOP Publishing	Volume 23, Number 2	SCI / SCIE / WoS	Q1	iopscience.iop.org/article/10.1088/174
J-04	Ultra-broadband absorber for high-efficiency solar energy harvesting and thermal emission	Bo Lv, Taha Sheheryar, Huibin Tao, Vigneswaran Dhasarathan	Materials Research Bulletin	Elsevier	Vol. 196 / pp. 113886 / 2025-11-01	SCI / SCIE / WoS	Q1	doi.org/10.1016/j.materresbull.2025.11

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J-05	Terahertz polarization-converting graphene metasurface with integrated biosensing and chemical sensing for multi-analyte detection	Naim Ben Ali, Vigneswaran Dhasarathan, Taha Sheheryar, Yahya M. Al-Moliki	Measurement	Elsevier	Vol. 263 / pp. 120190 / 2026-03-01	SCI / SCIE / WoS	Q1	doi.org/10.1016/j.measurement.2025.120
J-06	Surface and Interface Functionalization of Graphene and Beyond: Strategies for Targeted Applications	Sharmi Ganguly, Joydip Sengupta, Chaudhery Mustansar Hussain	Nanoscale	Royal Society of Chemistry		SCI / SCIE / WoS	Q1	pubs.rsc.org/en/content/articlelanding
J-07	Advanced finite segmentation model with hybrid classifier learning for high-precision brain tumor delineation in PET imaging	K. Murugan, SatheeshKumar Palanisamy et al.	Scientific Reports	Nature Portfolio (Springer Nature)	Vol.15 P:1-19, July 2025	SCI / SCIE / WoS	Q1	nature.com/articles/s41598-025-09638-z
J-08	Medicinal plant leaf disease classification using optimal weighted features with dilated adaptive DenseNet and attention mechanism	Leelavathi R & Kalamani M	Scientific Reports	Nature Portfolio (Springer Nature)	vol. 15	SCI / SCIE / WoS	Q1	nature.com/articles/s41598-025-20629-y

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J-09	6G -enabled qubit-based concealed, communication with AI-driven, breach detection in autonomous, fleets	Venkatesh T1, SatheeshKumar Palanisamy2, Maha Abdelhaq & N. Sathishkumar	Scientific Reports	Nature Portfolio (Springer Nature)	15, Article number: 43194 (2025)	SCI / SCIE / WoS	Q1	nature.com/articles/s41598-025-26667-w
J-10	Cross-correlation-based signal pruning method (CCSPM) for effective signal distortion reduction in massive MIMO communications	M. Kasiselvanathan, SatheeshKumar Palanisamy, N. Sathishkumar et al.	Scientific Reports	Nature Portfolio (Springer Nature)	15, Article number: 20997 (2025)	SCI / SCIE / WoS	Q1	nature.com/articles/s41598-025-97403-7
J-11	Optimizing breast cancer classification based on cat swarm-enhanced ensemble neural network approach for improved diagnosis and treatment decisions	A. Abdul Hayum & Finney Daniel Shadrach	Scientific Reports	Nature Portfolio (Springer Nature)	15, Article number: 33740 (2025)	SCI / SCIE / WoS	Q1	nature.com/articles/s41598-025-95481-1
J-12	Redefining IoT networks for improving energy and memory efficiency through compressive sensing paradigm	S. Balamurali, M. Kathirvelu, SatheeshKumar Palanisamy & Ines Hilali Jaghdam	Scientific Reports	Nature Portfolio (Springer Nature)	15, Article number: 27180 (2025)	SCI / SCIE / WoS	Q1	nature.com/articles/s41598-025-12278-y

Proof No.	Title of the Paper	Author(s)	Name of the Journal	Publisher	Volume / Issue / Year	Indexing	Quartile	DOI / Link
J-13	Efficient deep learning framework for arecanut disease detection using graph neural network and Bat algorithm	Finney Daniel Shadrach, Deepa Devasenapathy, R. Anitha et al.	Scientific Reports	Nature Portfolio (Springer Nature)	April 2026	SCI / SCIE / WoS	Q1	nature.com/articles/s41598-026-46535-5
J-14	Pancreatic tumor detection in computed tomography images through a rotary positional siamese vision transformer	M. Abinaya, M. Kalamani, J. Haritha	Scientific Reports	Nature Portfolio (Springer Nature)	Vol. 16 / Issue 1 / 2026-05-05	SCI / SCIE / WoS	Q1	doi.org/10.1038/s41598-026-51814-2
J-15	SecureEdge-MedChain: A Post-Quantum Blockchain and Federated Learning Framework for Real-Time Predictive Diagnostics in IoMT	Sivasubramanian Ravisankar, Rajagopal Maheswar	Sensors	MDPI	Vol. 25 / Issue 19 / pp. 5988 / 2025-09-27	SCI / SCIE / WoS	Q1	doi.org/10.3390/s25195988
J-16	Deep Learning Based In-silico Water Level Prediction and IoT Based Monitoring System	Faruque Aziz, Rudraneel Bhattacharya, Arijit De, Sukanta Ghosh, Debashish Pal et al.	Water Resources Management	Springer	Published	SCI / SCIE / WoS	Q1	link.springer.com/article/10.1007/s112

Proof No.	Title of the Paper	Author(s)	Name of the Journal	Publisher	Volume / Issue / Year	Indexing	Quartile	DOI / Link
J-17	Systematic benchmarking of hyperbolic soliton families reveals optimal profiles for nonlocal nonlinear optics	Manoj Mishra, Sujata Vedi, Mohit Sharma, Divya Yadav et al.	Applied Physics B	Springer	Vol. 131 / Issue 10 / 2025-09-22	SCI / SCIE / WoS	Q2	doi.org/10.1007/s00340-025-08558-0
J-18	Feature Derivative-based Pixel Segmentation Method for Detecting Lung Tumors from CT Images	Kavya SP, & Seethalakshmi V	Int. J. of Imaging Systems and Technology	Wiley	Volume 36, Issue1	SCI / SCIE / WoS	Q2	doi.org/10.1002/ima.70281
J-19	A Novel Parallel Mechanism-Based Dynamic Wearable Assistive Device for Neck Rehabilitation	B. Jaishankar, Brajesh Kumar Singh, P. Ravi Kumar et al.	Int. J. of Information Technology & Decision Making	World Scientific	Vol. 24, No. 06, pp. 1653-1684 (2025)	SCI / SCIE / WoS	Q2	worldscientific.com/doi/10.1142/S0219196
J-20	Advanced Fade Mitigation Techniques for Q/V band SatCom Systems	Marianna Biscarini, Arijit De, Lorenzo Luini, Carlo Riva, Antonio Martellucci et al.	Int. J. of Satellite Communications and Networking	Wiley	https://doi.org/10.1002/sat.70007, 1-9	SCI / SCIE / WoS	Q2	onlinelibrary.wiley.com/doi/10.1002/sa
J-21	Diversified Channel Estimation Method for Reducing Path Loss of MIMO Integrated With Backscatter Networks Using Propagation Learning	S. Gunanandhini, V. Seethalakshmi	International Journal of Communication Systems	Wiley	Volume 39, Issue 6	SCI / SCIE / WoS	Q2	onlinelibrary.wiley.com/doi/abs/10.100

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J-22	Wearable Sensor Network-Driven Human Activity Recognition via Philippine Eagle Optimized Statistics-Infused Neural Network	B. Jaishankar, D. Sobya, V. Porkodi, V. Govindaraj	International Journal of Communication Systems	Wiley	-	SCI / SCIE / WoS	Q2	onlinelibrary.wiley.com/doi/abs/10.100
J-23	Optimizing QoS-Based Communication Protocol in Wireless Sensor Networks Using Genetic Algorithms With AI/ML Mechanisms for IoT Environment	K. Janani, K. B. Gurumoorthy	International Journal of Communication Systems	Wiley	Volume No : 38 , Issue : 16 , pp.1-15	SCI / SCIE / WoS	Q2	onlinelibrary.wiley.com/doi/10.1002/da
J-24	Covariant Clustering Method Using Sigmoid Classifier for Prolonging the Lifetime of Wireless Sensor Nodes	M. D. Saranya, A. V. Santhosh Babu	International Journal of Communication Systems	Wiley	15, 1-16	SCI / SCIE / WoS	Q2	onlinelibrary.wiley.com/doi/abs/10.100
J-25	Dual-function Al2O3, thin films via low-pressure, deposition for a-Si:H solar cells: electrical, characterization and antireflection effect	Himangshu Deka1,*, Manvendra Singh Gangwar2, and Arun Kumar Sunaniya3	J. of Materials Science: Materials in Electronics	Springer	March 2026	SCI / SCIE / WoS	Q2	link.springer.com/article/10.1007/s108
J-26	Scientific retrieval: an effective heuristic-aided multi-scale adaptive transformer network for information retrieval process from scientific publications	K. R. Sabarmathi & M. Kalamani	Knowledge and Information Systems	Springer	vol.57, pp.8377-8415	SCI / SCIE / WoS	Q2	link.springer.com/article/10.1007/s101

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J-27	Predictive modeling of regional economic benefits, from solar energy adoption: a multi-model regression, and spatial analysis approach	Kezia Saini1 · Priyam Nath Bhowmik2 · Himangshu Deka3	Mitigation and Adaptation Strategies for Global Change	Springer	March 2026	SCI / SCIE / WoS	Q2	link.springer.com/article/10.1007/s110
J-28	Effect of RF integrated optical system on light absorption behavior of ferric thiocyanate	Mythili S , Kalamani M	Optical and Quantum Electronics	Springer	Vol. 57	SCI / SCIE / WoS	Q2	link.springer.com/article/10.1007/s110
J-29	An innovative machine learning based approach for predicting the efficiency of a chalcogenide perovskite semiconductor photovoltaic cell	B. Bazeer Ahamed, Debashish Pal, Pranoy Ghosh, Arijit De	Optical and Quantum Electronics	Springer	Vol. 57	SCI / SCIE / WoS	Q2	link.springer.com/article/10.1007/s110
J-30	Ultra-wideband and thermally stable absorber for advanced solar energy harvesting applications	Chandrasekharan Nataraj, K.C. Ramya, Eldad Holdengreber, Vigneswaran Dhasarathan	Physica B: Condensed Matter	Elsevier	Vol. 724 / pp. 418176 / 2025-12-01	SCI / SCIE / WoS	Q2	doi.org/10.1016/j.physb.2025.418176
J-31	Hyper-Gaussian beams for power reduction in nonlocal nonlinear optical systems	Manoj Mishra, Divya Yadav, Mohit Sharma, Murugan Senthil Mani Rajan et al.	Physica Scripta	IOP Publishing	Vol. 100 / Issue 7 / pp. 075126 / 2025-07-09	SCI / SCIE / WoS	Q2	doi.org/10.1088/1402-4896/adedcb

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J-32	A compact high-selectivity planar endfire filtenna for mm-wave applications	Yongbin Ma, Zhonggen Xu, Arpan Desai, Karthikeya G S, Vigneswaran Dhasarathan	Physica Scripta	IOP Publishing	Vol. 100 / Issue 12 / pp. 125533 / 2025-12-08	SCI / SCIE / WoS	Q2	doi.org/10.1088/1402-4896/ae2974
J-33	Device Engineering and Optimization of a Novel Zintl-Phosphide BaCd2P2 Absorber-Based Thin Film Photovoltaic Cell	Thangavel Kuntavai, Arijit De, Hichem Bencherif, and Debashish Pal	Physica Status Solidi (a)	Wiley	e202500371	SCI / SCIE / WoS	Q2	onlinelibrary.wiley.com/doi/abs/10.100
J-34	Exceptionally sensitive terahertz biosensor with integrated broadband polarization conversion	Wei Zhang, Taha Sheheryar, Bo Lv, Vigneswaran Dhasarathan, Lei Gao	Physics Letters A	Elsevier	Vol. 563 / pp. 131047 / 2025-10-01	SCI / SCIE / WoS	Q2	doi.org/10.1016/j.physleta.2025.131047
J-35	Power-efficient approximate booth multiplier using novel radix-4 encoders and a 4:2 compressor for high-performance cognitive vision applications	Yogeswari Palanisamy, Kathirvelu Murugan	Signal, Image and Video Processing	Springer	Vol. 20 / Issue 3 / 2026-03-01	SCI / SCIE / WoS	Q2	doi.org/10.1007/s11760-026-05206-8

Proof No.	Title of the Paper	Author(s)	Name of the Journal	Publisher	Volume / Issue / Year	Indexing	Quartile	DOI / Link
J-36	A Novel Authentication and Communication Protocol with Chronological Lyrebird Optimization Enabled Cluster Head Selection and Traffic Prediction using Deep Learning in VANETs	Vijayakumari L,, Gurumoorthy K B	Wireless Networks	Springer	Vol 32, Issue No 1, pp. 677-695, Jan 2026	SCI / SCIE / WoS	Q2	link.springer.com/article/10.1007/s112
J-37	Lead: location estimation of WSN node using angular deviation based error correction algorithm	Piyu Sarcar, Mrutyunjay Rout, Arindam Giri, Maheswar Rajagopal, Sujoy Mistry	Wireless Networks	Springer	Vol. 32 / Issue 3 / pp. 1533-1546 / 2026-03-13	SCI / SCIE / WoS	Q2	doi.org/10.1007/s11276-026-04122-6
J-38	Flexible fractal loaded patch antenna for wearable application	M. Shunmugathammal, C. Ajitha, Finney Daniel Shadrach, N. Muthukumaran et al.	Analog Integrated Circuits and Signal Processing	Springer	Volume 125, article number 2, (2025)	SCI / SCIE / WoS	Q3	link.springer.com/article/10.1007/s104
J-39	Design and analysis of qudit-based quantum arithmetic units: a resource-efficient approach using radix-4 full adders	Yogeswari Palanisamy, Kathirvelu Murugan et al.	Analog Integrated Circuits and Signal Processing	Springer	Volume 126, article number 8, (2026), (Upcoming Issue)	SCI / SCIE / WoS	Q3	link.springer.com/article/10.1007/s104

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J-40	A novel device-to-device integration method using minimal impedance optimization for internet of things (IoT) sensing devices	Muralidharan J, Suresh Kumar Pittala & Suresh Balanethiram	Analog Integrated Circuits and Signal Processing	Springer	February 2026	SCI / SCIE / WoS	Q3	link.springer.com/article/10.1007/s104
J-41	Experimental investigation, optimization and IoT-based monitoring for enhanced yield in single basin solar still systems	S. Jeyam Jacqueline,, D. Venugopal,, S. Joe Patrick Gnanaraj	Desalination and Water Treatment	Elsevier	Volume 324, October 2025, 101424	SCI / SCIE / WoS	Q3	sciencedirect.com/science/article/pii/
J-42	AI-Driven Blockchain Solutions for Enhancing, Decision-Making In Complex Engineering Projects`	Inderpreet Kaur, N Balaji, Suresh A, S N Manoharan, T. Jagadesh	Engineering Review	Univ. of Rijeka	45,3, 21-40, December 2025	Scopus	Q3	engineeringreview.org/index.php/ER/art
J-43	A 2-Way Federated Aggregated Learning Through the Vision and Voice Data for Human Emotion Recognition	G. K. Jakir Hussain and G. Manoj	Int. J. of Pattern Recognition and Artificial Intelligence	World Scientific	Vol. 39, No. 14, 2551016 (2025)	SCI / SCIE / WoS	Q3	worldscientific.com/doi/abs/10.1142/S0
J-44	DUAL BAND FREQUENCY SELECTIVE SURFACE FOR EMI SHIELDING IN 5G COMMUNICATIONS	Dr. Singaram M, Satheeshkumar Palanisamy, Jagadesh T, Sathishkumar N et al.	Mathematical Modelling of Engineering Problems	IIETA	vol.12, no.10	SCI / SCIE / WoS	Q3	iieta.org/journals/mmep/paper/10.18280

Proof No.	Title of the Paper	Author(s)	Name of the Journal	Publisher	Volume / Issue / Year	Indexing	Quartile	DOI / Link
J-45	Design and Experimental Validation of an Optimized FSS Sensor for Wireless, Communications	Jagadesh Thirugnanasambantham , SatheeshKumar Palanisamy , Singaram Manoharan et al.	Mathematical Modelling of Engineering Problems	IIETA	Vol. 12, No. 11, November , 2025	Scopus	Q3	iieta.org/journals/mmep/paper/10.18280
J-46	Plasmonic Fano Resonance-Based MIM Waveguide Sensor Enhanced with Cerium Oxide Nanoparticles	Lokendra Singh, Vivek Kumar Verma, Krishna Kant Agarwal, Vigneswaran Dhasarathan	Sensing and Imaging	Springer	Vol. 26 / Issue 1 / 2025-12-01	Scopus	Q3	doi.org/10.1007/s11220-025-00700-8
J-47	"Spectral Congestion Alleviation using RF Integrated Optical System with Optimization Based Dynamic Carrier Switching	Mythili, S. and M. Kalamani	Tehnički vjesnik – Technical Gazette	Univ. of Osijek	vol. 32, no. 6, pp. 2304-2312	SCI / SCIE / WoS	Q3	hrcak.srce.hr/file/488215
J-48	STN-CNN LSTM: Enhancing Multi-Plant Disease Detection with Spatial Transformer Mechanisms Through CNN-LSTM	Rathiya R, Kalamani M	Traitement du Signal	IIETA	Vol. 43, No. 1, pp. 545-558	SCI / SCIE / WoS	Q3	iieta.org/journals/ts/paper/10.18280/t

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J-49	Cross-Interval Continuous Unification Model for Abnormal Heart Rhythm Detection using ECG Signals	Rajeshwaran Kandhasamy, Gurumoorthy Kambatty Bojan	Traitement du Signal	IIETA	Vol 42, Issue No 3, pp. 1627-1641, 30th June 2025	SCI / SCIE / WoS	Q3	iieta.org/journals/ts/paper/10.18280/t
J-50	Deep Reinforcement Learning-Enabled IoT Framework for Real-Time and Personalized Diabetes Diagnosis Using Wearable Sensors	M. Alamelu, Meera Alphy, Finney Daniel Shadrach, Jayaraj Velusamy	Artificial Intelligence and Applications	Bon View Publishing	February 2026	Scopus	-	ojs.bonviewpress.com/index.php/AIA/art
J-51	Advances in Paper-Based Ammonia Sensors in Environment: Sustainable Materials, Nanotechnology Integration, and Smart Analytical Platforms	Sharmi Ganguly 1, Joydip Sengupta 2 and Chaudhery Mustansar Hussain	Earth: Environmental Sustainability	Scilight Press	1,1, 130-148	Scopus	-	sciltp.com/journals/eesus/articles/250
J-52	An extensive review of THz communication in 6G: Facilitating technologies with edge computing and native AI	Subhankar Shome, Suman Das, Saumya Das, Debashish Pal	Franklin Open	Elsevier	Vol. 13 / pp. 100434 / 2025-11-01	Peer reviewed	-	doi.org/10.1016/j.fraope.2025.100434

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J-53	Enhanced Covid-19 Identification from Chest X-Rays Images with YOLO8	Arunkumar Duraisamy, Premkumar Duraisamy, Sri Sathya K B, Nisha Soms et al.	Grenze Int. J. of Engineering and Technology	Grenze Scientific Society	Vol.11(2), pp: 12735 -12740	Scopus	-	Grenze ID: 01.GIJET.11.2.276_22
J-54	Approximate Booth Multiplier for Error-Tolerant Computing	Veera Boopathy E,, Kalirajan K,, Lakshmi R,, Jeniton S et al.	Int. Research J. of Multidisciplinary Scope (IRJMS)	—	6(4), 780-800	Scopus	-	doi.org/10.47857/irjms.2025.v06i04.055
J-55	Pixelated disparity network for hepatocellular carcinoma recognition from ultrasound images	S. Usha, Saroj Bala, M. D. Saranya & S. Suganyadevi	Journal name missing (Springer Nature Link)	Springer Nature	Volume 16, article number 113	SCI / SCIE / WoS	-	link.springer.com/article/10.1007/s125
J-56	Chemical Route Synthesis of Copper Oxide Nanoflowers and Their Antibacterial Application	Sharmi Ganguly, Kaushik Misra	Journal of Technology	—	13,9, 437-450	Scopus	-	drive.google.com/file/d/1i4zwlTOekxJM_
J-57	Meta-Learning-Based Imputation in Solar Energy Systems: Bridging the Gap Between Missing Data and Forecasting Reliability	M. Nishanthi, P. Pandiyan	Journal of Electrical Engineering & Technology	Springer Science and Business Media LLC	Vol. 21/Issue 1/pp. 991-1010 / 05.09.2025	SCI / SCIE / WoS	-	doi.org/10.1007/s42835-025-02420-1

Proof No.	Title of the Paper	Author(s)	Name of the Journal	Publisher	Volume / Issue / Year	Indexing	Quartile	DOI / Link
J-58	Review of reliability of threshold voltage (Vth) extraction methods in silicon-based tunnel field effect transistors (TFETs)	Vijaya Kumar K., Rithika R., Suresh Balanethiram, J. Indra	Micro and Nanostructures	Elsevier BV	Vol. 211/pp. 208559 / 03.2026	SCI / SCIE / WoS	-	doi.org/10.1016/j.micrna.2025.208559
J-59	An Evolutionary Tri-Hybrid Compressive Sensing Framework for Energy, Memory, and Latency Optimization	Balamurali S, SatheeshKumar Palanisamy, N. Sathishkumar, Maha Abdelhaq	Egyptian Informatics Journal	Elsevier	Vol. 34 / Art. 100961 / 06.2026	SCI / SCIE / WoS	-	doi.org/10.1016/j.eij.2026.100961

Academic Research - Conference papers published – 2025-26

Proof No.	Title of the Paper	Author(s)	Name of the Conference	Date	Indexing	DOI / Link
C-01	SVM-Based Emotion, Recognition for Detecting Early, Signs of Psychological Distress	Dr. P. Asha, R. Balaraman, Dr., P. Asha, J. Prasad, Sunita, Yadav, C Srinivasan	5th International Conference on Soft Computing for Security Applications (ICSCSA-2025)		Scopus	ieeexplore.ieee.org/document/11170766
C-02	Optimizing Array Multiplier Architectures: Methods, Metrics, and Comparisons	Dr.J. Prasad ,R. Sasidevi,M. Baskar,S.Hemadakshanan,R.D.Kavyasri,V.Harish	BDCC 2025 (International Conference on Big Data Innovation for Sustainable Cognitive Computing 2025)		Scopus	ieeexplore.ieee.org/abstract/document/
C-03	IoT BASED THRESHOLD ENERGY SYSTEM FOR HOME AND INDUSTRIES	Priyadharsini S, Kavinkirubakar K, Diyasharma, Pradhiksha	6th International Conference on Trends in Material Science and Inventive Materials & Rohini College of Engineering and Technology	08-10 April 2026	Peer reviewed	doi.org/10.1109/ICTMIM68190.2026.11506
C-04	Adaptive Machine Learning Framework for Comprehensive Disease Risk Forecasting, From Electronic Health Record	Premkumar Duraisamy, Abijith P Suthi, Ben Richards R, Niranjani V, J. Prasad et al.	4 th, International Conference on, Intelligent Data Communication Technologies and Internet of Things (IDCIoT)	04-06 February 2026	Scopus	doi.org/10.1109/IDCIoT67589.2026.11455
C-05	Analyzing the BER of OTFS Compared to OFDM in a Multipath Fading Channel	Ashish Ranjan Shadangi, Hirak Sarkar, Suvra Sekhar Das, Indrajit Chakrabarti	Engineering Advances 2025: Second International Conference held on 29 - 30 December 2025	July 2025	Scopus	doi.org/10.13140/RG.2.2.13360.26889

Proof No.	Title of the Paper	Author(s)	Name of the Conference	Date	Indexing	DOI / Link
C-06	Enhanced Pothole Detection and Prediction Using Deep Learning with Resnet and YOLOv8	Finney Daniel Shadrach; Priyadharshini S; Shanmugaraja T; Surendar K S et al.	2025 Second International Conference on Cognitive Robotics and Intelligent Systems (ICC - ROBINS)	25-26 June 2025	Scopus	ieeexplore.ieee.org/document/11086258/
C-07	RiLgQL-LEACH-GA: Advancement in Energy Efficient Clustering and Routing Mechanism for Wireless Sensor Networks	K. Janani & K. B. Gurumoorthy	Proceedings of International Conference on Paradigms of Communication, Computing and Data Analytics, (PCCDA 2025 2025)	October 2025	Scopus	link.springer.com/chapter/10.1007/978-
C-08	Enhanced Optimization Algorithm for Energy-Efficient Clustering to Ensure Stability in VANETs	L. Vijayakumari & K. B. Gurumoorthy	International Conference on Smart Cyber Physical Systems	July 2025	Scopus	link.springer.com/chapter/10.1007/978-
C-09	Hybrid CART Model for Adaptive Earthquake Risk, Forecasting Under Uncertainty	K Senthil Kumar, Thelu Santhosha, Dr. A. Thangam, P Joel Josephson et al.	International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2026)	April 2026	Scopus	ieeexplore.ieee.org/document/11525465
C-10	An Investigation on the Backdoor Framework Model of Federated Learning for Improving Network Security	G. K. Jakir Hussain, and, G. Manoj	2025 3rd International Conference on Artificial Intelligence and Machine Learning Applications Theme: Healthcare and Internet of Things (AIMLA)	April 2025	Scopus	ieeexplore.ieee.org/document/11040496
C-11	IoT-Based Smart Cradle System for Infant Monitoring	Saranya MD; Sukant R; Mohammed Anas A; Velu Maniyam SK	(ICIRCA)	2025-6-25	Scopus	ieeexplore.ieee.org/document/11089659/

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C-12	Multi-Scale Guided Pyramid Transformer with Uncertainty-Aware Deep Refinement for High-Precision Lung Segmentation and Multi-Class Disease Classification	S Suganyadevi, KR Sasiprabha, V Vethavarna, Arun Sekar Rajasekaran	2025 Seventh International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN)	20-21 December 2025	Scopus	ieeexplore.ieee.org/abstract/document/
C-13	Automatic Testing and Inspection System for Cable Integrity and Performance	V. Seethalakshmi, S. Darsan, S. Dhanush, P. Dhanush Aadithya, V. Seethalakshmi	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-88
C-14	A Predictive Analytics Approach for Pregnant Women's Health Monitoring Using Machine Learning	S. Suganyadevi, M. Ranjithkumar, G. Rithanya, G. Abhinav, K. Sangamithrai et al.	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-2
C-15	AI-Based Real Time Traffic Management System Using Adaptive Traffic Light System	G.K. Jakir Hussain, C. Kishore, S. Maithra, R. Kathiresan	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-9
C-16	AI-Controlled Water Valve Based on Root Zone Moisture	G.K. Jakir Hussain, A. Mohanaprasath, N. Pavin Pranaav, M. Jagadeeshwaran	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-10

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C-17	Deep Learning-Driven Seizure Prediction Using Convolutional	S. Suganyadevi, D.K. Vinu Dharshini, T. Ranjith, S. Sanjay, K. Sangamithrai et al.	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-32
C-18	Design and Development of IoT-Enabled AI Smart System for Roof Gardening	K. Kalirajan, T. Savithadevi	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-34
C-19	Optimized Deep Neural Network Model for Analysis and Classification of Bone Marrow Biopsies	K. Kalirajan, B. Janani, M. Trivikram, S. Thashnamurthy, S. Santhosh Kumar	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-56
C-20	Wellnessworks: An AI-based Reward System for Employee Health and Productivity	G. Pradeepkumar, B. Gomathy, Gobinath Subramaniam, M. Thivakar, K. Yuvasree	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-72
C-21	Sales Forecasting for Optimized Supply Chain Management	M. Singaram, R. Danush, K. Tharun, B. Udhayadharanish	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-66

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C-22	AgroDiagnosis: Plant Disease Detection and Treatment Advisor	T. Venkatesh, J. Marimuthu, J. Rajalakshmi, M. Mohamed Shathir, E. Akshaya	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-87
C-23	Design and Development of Personal Safety Monitoring System for Palm Plantation Workers	Indra Jaganathan, Soundarya, Tamil Selvam, Deepan Kumar, Ramalingam Jaganathan	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-112
C-24	Design and Development of Smart IoT-Based Health Monitoring System for Elderly	Indra Jaganathan, S. Siddarth, R. Sushmitha, I. SriVigneshwaran	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-113
C-25	Feasible IoT Device to Monitor ECG and PPG Signal	J. Muralidharan, S. Kowsik, M. Livin, A.Y. Javeed Akthar, K. Subramanian	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-116
C-26	Fuzzy Logic-Based Cluster Head Selection for Wireless Sensor Networks	T. Venkatesh, S. Nehadarshini, S. Rakshana, M. Revathy, B. Selvarathinam et al.	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-120

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C-27	IoT-Based Electricity Energy Monitoring Meter	M.D. Saranya, C.S. Sivagurubala, R. Yeashwanth Balaji, B. Santhosh et al.	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-122
C-28	IoT-Based Energy Management in Smart Grid	K. Murugan, G.R. Harshitha, R. Aksha Genelia, G.K. Adhish	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-123
C-29	IoT-Based Tyre Monitoring System	S.M. Ramesh, M. Venkatesh, A. Rishona Pauline, J. Janarathanan	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-126
C-30	IoT-Enabled System for Smart Car Parking Management	M. Supriya, S. Gurumoorthy, V.S. Harin, S. Karneshkumar	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-128
C-31	MediBot-IoT-driven Healthcare for Remote Communities	D. Ram Nivas, P. Kirubakar, R.V. Mohanasabari, R. Kanika Sabari	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-129

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C-32	Enhancing SAP Spare Parts and Materials Management Through Component-Based Test Automation (CBTA)	G.K. Jakir Hussain, V.K. Pradeebha, B. Vinod Chadwa	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-144
C-33	HRM IN IT: A PHP-Based Solution for Streamlined Human Resource Management	G. Pradeepkumar, Arulanantham Dhandapani, M. Sivasree, U. Shabarish Sriram et al.	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-148
C-34	Optimized Single Precision Floating Point Multiplier for Area and Delay Efficiency	M. Supriya, M. Kathirvelu, D.R. Arthiga, M. Hariharan, P. Jeevan Raj	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-153
C-35	Comprehensive Review of Performance Evaluation Methodologies in Vehicular Ad Hoc Networks	Gobinath S, Arulanantham D, Pradeepkumar G, Dhaarani T G, Sujith M	2025 International Conference on Intelligent Computing, Information and Control Systems (ICOIICS)	2025-11-19	IEEE Xplore	doi.org/10.1109/icoiics67115.2025.1139
C-36	Design and Implementation of an 8-Bit Universal Shift Register using M-GDI Technique in 45 Nm CMOS Technology	M. Supriya, E. Meghadharshini	2026 International Conference on Electronics and Renewable Systems (ICEARS)	2026-2-11	IEEE Xplore	doi.org/10.1109/icears67481.2026.11416

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C-37	Reinforcement-Based Smart Irrigation System	M. Ahamedafzal, D.K. Chiranjeevi, S. Saketh, V. Seethalaskmi	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-64
C-38	IoT-Based Smart Water Controller for Apartment	R. Raghupathi, R. Naresh, V. Nawin, M. Kathirvelu	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-125
C-39	Optimization Enabled Deep Learning Technique for Lung Disease Detection and Classification	K. Murugan, D. Akash, M. Guru Dhanvanth, S. Prasanth	SPARK 2025 – Int. Conf. on Smart Systems, Power Electronics, AI, Robotics and Knowledge Engineering, KPRIET (Proceedings: CRC Press / Taylor & Francis)	18 July 2025	CRC Press / T&F	doi.org/10.1201/9781003598312-55
C-40	A Real-Time Intrusion Detection System for Security Monitoring in Sensitive Environments	Jaikumar R., Dharsan S., Gokul Raj G.,Deivamani M	16th International Conference on Advances in Computing Control and Telecommunication Technologies Act 2025	ACT 2025, Vol. 2, pp. 273-277 (2025)	Scopus	Grenze ID: 01.GIJET.11.2.513
C-41	AI-Powered Real-Time Traffic Monitoring and Emergency Vehicle Prioritization	Muralidharan J, Udhayaraga V, Devatharani G S, Dhanush S	2025 International Conference on Emerging Research in Computational Science (ICERCS)	2025-12-11	IEEE Xplore	doi.org/10.1109/icercs65898.2025.11580

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C-42	AI-Enhanced RIS-FSO System for Air and Ground Communication	Rima Deka, Lavanya Saravanan,Mohamed Hakkim M,Chittesh P J	2025 International Conference on Advanced Technologies and Interdisciplinary Innovation (ICAT2I)	2025-12-25	IEEE Xplore	doi.org/10.1109/icat2i69744.2025.11472
C-43	QKD-Enabled Optical Wireless Communication System for Ultra-Secure Defense Networks	Rima Deka, Vimal D., Shwetha P,Aswini K	2025 International Conference on Advanced Technologies and Interdisciplinary Innovation (ICAT2I)	2025-12-25	IEEE Xplore	doi.org/10.1109/icat2i69744.2025.11472
C-44	A Lexical Feature–Driven Framework for Intelligent Malicious URL Detection Using Machine Learning	Priya Devi T, Ramesh S M, Priya Sethuraman, Vijay Albert William M, A. Abirami et al.	2026 International Conference on Connected Intelligence for Industrial Applications (CI2A)	pp. 1-6 / 2026-04-03	IEEE Xplore	doi.org/10.1109/CI2A69097.2026.1157694
C-45	AI-Enabled Alignment Verification for RFID Smart EV Wireless Charging System	T. Mani, R. Yasmin, J. Dharani, K. Yugin Mary, N. Jasmi, M. Kathirvelu	2026 IEEE 2nd International Conference on Quantum Photonics, Artificial Intelligence & Networking (QPAIN)	pp. 1-6 / 2026-04-16	IEEE Xplore	doi.org/10.1109/QPAIN69676.2026.115466
C-46	CNN-Faiss Pipeline for High Performance Animal Vocalization Retrieval and Classification	S.M. Ramesh, Ravikumar Gurusamy, S.R. Menaka, S. Mohanasundaram, P. Sukumar et al.	2025 6th International Conference on Electronics and Sustainable Communication Systems (ICESC)	pp. 1981-1985 / 2025-09-10	IEEE Xplore	doi.org/10.1109/ICESC65114.2025.112124

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C-47	Design and Comparative Analysis of Low-Power 8-Bit Multiplier Architectures with Reversible and Majority Reversible Logic	E. Meghadharshini, M. Supriya, V.R. Sushma, E.S. Preeti, E. Siva Prasanna	2026 International Conference on Signal, Systems, and Computing for Next-Gen Automation (ICSSCNA)	pp. 278-284 / 2026-05-04	IEEE Xplore	doi.org/10.1109/ICSSCNA68616.2026.1154
C-48	Design and Development of a Sub-6 Ghz Tri-Band Microstrip Patch Antenna for 5G Communication	N. Sathishkumar, S Harsitaa Shree, B Ilakkiya, G Janani, Gnanaprakash V	2025 Second International Conference on Cognitive Robotics and Intelligent Systems (ICC - ROBINS)	pp. 105-109 / 2025-06-25	IEEE Xplore	doi.org/10.1109/ICC-ROBINS64345.2025.1
C-49	DistilBERT-Powered Optimized Sentiment Analysis for Next-Generation Natural Language Processing	S.R.Menaka, S.Mohanasundaram, P.Sukumar, S.M.Ramesh, Ravikumar Gurusamy et al.	2025 6th International Conference on Smart Electronics and Communication (ICOSEC)	pp. 2038-2042 / 2025-09-24	IEEE Xplore	doi.org/10.1109/ICOSEC67334.2025.11459
C-50	Optimized Carry Lookahead Adder for Speed Enhancement	M. Supriya, Akash V, Dharanidharan S, Varun S K	2026 International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT)	pp. 184-189 / 2026-05-11	IEEE Xplore	doi.org/10.1109/ICCNCT68477.2026.11590
C-51	A Precision BMI Monitoring System with Real-Time Alerts using SHAP and XGBoost based Interpretability	P. Sukumar, S. M. Ramesh, Ravikumar Gurusamy, S. R. Menaka, S. Mohanasundaram, P. Kalyanasundaram	2025 4th International Conference on Innovative Mechanisms for Industry Applications (ICIMIA)	03.09.2025	IEEE Xplore	doi.org/10.1109/icimia67127.2025.11200647

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C-52	Electrical Load Demand Forecasting Using Machine Learning Algorithm	Pandiyan P, Gurudeep A R, Gowtham M, Naveen Kumar M, Bala Subramanian S	2025 Second International Conference on Cognitive Robotics and Intelligent Systems (ICC - ROBINS)	25.06.2025	IEEE Xplore	doi.org/10.1109/icc-robins64345.2025.11086163
C-53	A Mode Configurable Hybrid Binary Interfaced Stochastic Multiplier Architecture for Low Power and High Performance Applications	Jeevitha S, Indra J	2026 IEEE 2nd International Conference on Quantum Photonics, Artificial Intelligence & Networking (QPAIN)	16.04.2026	IEEE Xplore	doi.org/10.1109/qpain69676.2026.11546136
C-54	Voltage Scaling Effects on Delay and Energy in 8×8 CSA Multipliers using CMOS PTL and Hybrid Architectures	Preeti E S, Ramesh S M, Siva Prasanna E, Meghadharshini E	2026 IEEE 6th International Conference on VLSI Systems, Architecture, Technology and Applications (VLSI SATA)	06.2026	IEEE Xplore	doi.org/10.1109/vlsisata69163.2026.11610546

Academic Research - Books/book chapters published – 2025-26

Proof No.	Title of the Book / Chapter	Author(s)	Book / Publisher	Year	Indexing	Link
B-01	Internet of Things	Venkatesh T	Prime International Publications	January 2026	Peer reviewed	primeinternationalpublication.com/publ
B-02	Introduction to Principles and Methodological Framework of Hyperspectral Imaging. In: Biomedical Applications in Deep Learning-Enhanced Hyperspectral Imaging	Krishna Kumar Ravichandran, Finney Daniel Shadrach	Biomedical Applications in Deep Learning-Enhanced Hyperspectral Imaging	Apr 2026	Scopus	igi-global.com/chapter/introduction-to
B-03	Renewable catalysts from agricultural and biomass sources	Sharmi Ganguly, Joydip Sengupta	Book Chapter	2026/1/1	Scopus	sciencedirect.com/science/chapter/edit
B-04	"Generative AI for Personalized, Learning"	"Dr Rajesh Kumar Dhanaraj, Mr Balasamy K, Ms Suganyadevi S, Dr Umapriya et al.	Taylor & Francis,, Authored Book	Nov 2025	Scopus	routledge.com/Generative-AI-for-Person
B-05	Catalysts from e-waste materials	Sharmi Ganguly , Joydip Sengupta	Book Chapter	2026/1/1	Scopus	sciencedirect.com/science/chapter/edit
B-06	Smart Materials and Nanotechnology for Fungal-Based Treatment Systems for Fungi in Waste Water Treatment	Sharmi Ganguly, Joydip Sengupta	Book Chapter	2026/3/6	Scopus	books.google.co.in/books?hl=en&lr=&id=
B-07	Quantum Computing: Research, Applications, and Advances	Arun Sekar Rajasekaran, S Suganyadevi, Fadi Al-Turjman	Book, CRC Press	16/04/2026	Scopus	books.google.co.in/books?hl=en&lr=&id=

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B-08	Artificial Intelligence of Things: Convergence of AI and IoT	Dr. R. Jaikumar, Dr. P. Gnanasundari, Mr. T. Azhagesvaran, Dr. M. Ephin	Protek Publications	First Edition, March 2026; ISBN 978-93-6228-131-9	ISBN	-
B-09	Design and Development of Wireless Personal Area Networks	Arijit De, Sukanta Ghosh, Mobolaji Aduramo Sodunke, Dupsy Akoma, Umesh Gupta, Karthika Balan	Modern Wireless Communication Systems and Networks / CRC Press	15.06.2026	Book Chapter	doi.org/10.1201/9781003659150-11
B-10	Integrated Real-Time Object Detection and Navigation Framework for Autonomous Vehicles on Raspberry Pi	G. Pradeepkumar, T. Priya Devi, S. A. Suje, S. Gobinath, M. Dhanapal	Lecture Notes in Networks and Systems / Springer Nature Singapore	01.10.2025	Book Chapter	doi.org/10.1007/978-981-96-7807-5_15
B-11	Wireless Sensor Network Optimization in IoT Landslide Detection Systems Using Zigbee Protocol	G. Pradeepkumar, R. Pavithramathi, J. Jahina, K. Tamilselvan, D. Arulanantham	Lecture Notes in Networks and Systems / Springer Nature Singapore	01.10.2025	Book Chapter	doi.org/10.1007/978-981-96-7807-5_8
B-12	Economic Aspects and Life Cycle Assessment in Energy Storage Systems	P. Pandiyan, R. Senthil Kumar, S. Saravanan, P. Balakumar	Artificial Intelligence for Energy Management / Wiley	31.10.2025	Book Chapter	doi.org/10.1002/9781394303021.ch13

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B-13	Semiconductor-Based Sensors for Environmental Monitoring, Pollutant Detection, and Water Resource Optimization	S. Renugadevi, S. G. Hymlin Rose, M. Udhayakumar, R. Ravichandran, M. Supriya, S. Pradeep	Advances in Computational Intelligence and Robotics / IGI Global Scientific Publishing	16.01.2026	Book Chapter	doi.org/10.4018/979-8-3373-3481-3.ch002
B-14	Automatic Detection of Tropical Cyclones from Satellite Images Using YOLO Models	Rajasekaran Thangaraj, P. Pandiyan, Palanichamy Naveen, Balasubramaniam Vadivel, P. Prakash, S. Manoj Kumar	Integrating AI for Sustainable Disaster Management / Wiley	09.01.2026	Book Chapter	doi.org/10.1002/9781394271603.ch4
B-15	Control Systems Optimization Using AI in Mechatronics Engineering	R. Senthil Kumar, S. Saravanan, P. Pandiyan, P. Balakumar	Handbook of AI-Based Mechatronics Systems and Smart Solutions in Industrial Automation / CRC Press	27.06.2025	Book Chapter	doi.org/10.1201/9781032615790-6

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