



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Dindigul – Palani Highway, Dindigul – 624 002

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

JOURNAL PUBLICATION

Academic Year: 2022 – 2023

S. No	Authors Name	Title of paper	Journal Name	ISSN Number	Volume, Issue, Page No.	Year of Publishing	Index Details	DOI Number	Journal Link
1	Mohanbabu, G	Quantifying Functional Connectivity Network Through Synchronization and Graph Theory Approaches for Seizure Prediction.	Wireless Personal Communications	0929-6212	129, 747–780	2023	Scopus	doi.org/10.1007/s11277-022-10154-w	https://link.springer.com/journal/11277
2	Mohanbabu, G	Scalable and Energy Efficient Cluster Based Anomaly Detection Against Denial of Service Attacks in Wireless Sensor Networks.	Wireless Personal Communications	0929-6212	129, 2669–2691	2023	Scopus	doi.org/10.1007/s11277-023-10252-3	https://link.springer.com/journal/11277
3	T.Arulkumar	Development of improved sparrow search-based PI controller for power quality enhancement using UPQC integrated with medical devices	Engineering Applications of Artificial Intelligence	0952-1976	Volume 116, 105444	2022	Scopus Science Citation Index Expanded (SCIE)	doi.org/10.1016/j.engappai.2022.105444	https://www.sciencedirect.com/journal/engineering-applications-of-artificial-intelligence
4	G. Mohanbabu	Design of cost-effective real time tremor alerting system for patients of neurodegenerative diseases	Materials Today: Proceedings	2214-7853	Volume 57, Part 5, Pages 1989-1994	2022	Scopus	doi.org/10.1016/j.matpr.2021.10.187	https://www.sciencedirect.com/journal/materials-today-proceedings

S. No	Authors Name	Title of paper	Journal Name	ISSN Number	Volume, Issue, Page No.	Year of Publishing	Index Details	DOI Number	Journal Link
5	G. Mohanbabu	Security behavior analysis in web of things smart environments using deep belief networks	International Journal of Intelligent Networks	2666-6030	Volume 3, 2022, Pages 181-187	2022	Scopus	https://doi.org/10.1016/j.ijin.2022.10.003	https://www.sciencedirect.com/journal/international-journal-of-intelligent-networks
6	G. Mohanbabu	Dynamic Defense Mechanism for DoS Attacks in Wireless Environments Using Hybrid Intrusion Detection System and Statistical Approaches	Tehnički vjesnik,	1330-3651	Vol. 29 No. 3	2022	Scopus	https://doi.org/10.17559/TV-20210604113859	https://hrcak.srce.hr/en/tehnicki-vjesnik
7	G. Mohanbabu	Scalable and Energy Efficient Cluster Based Anomaly Detection against Dos Attacks in WSN	Wireless Personal Communications	09296212	24	2022	Scopus	doi.org/10.21203/rs.3.rs-1762022/v1	https://link.springer.com/journal/11277
8	G.Mohanbabu	A wearable low profile asymmetrical slotted ultra-wide band antenna for WBAN applications.	Journal of Wireless Communication Network	1687-1499	103	2022	Scopus	https://doi.org/10.1186/s13638-022-02186-4	https://jwcn-eurasipjournals.springeropen.com
9	G. Mohanbabu	Energy Conservation of Adiabatic ECRL-Based Kogge-Stone Adder Circuits for FFT Applications.	Intelligent Automation & Soft Computing	1079-8587	Vol 32, Issue 3, p1445	2022	Scopus	10.32604/iasc.2022.021663	https://www.techscience.com/journal/iasc



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Academic Year: 2023 – 2024

S. No	Authors Name	Title of paper	Journal Name	ISSN Number	Volume No., Issue No.	Year of Publishing	Index Details	DOI Number	Journal / Proceeding Link
1	D. Manoj	A Comprehensive Review on Optimization and Artificial Intelligence Algorithms for Effective Battery Management in EVs	International Journal of Electrical and Electronic Engineering & Telecommunications	2319-2518	Vol. 12, No. 5	2023	Scopus	10.18178/ijeetc.12.5.334-341	https://www.ijeetc.com/show-237-1755-1.html
2	P.Siva Subramanian	A Unified Self-Super Lift Luo Converter-Based PA-PID and RDP Controlling Algorithms for EV Application Systems.	Electric Power Components and Systems,	1532-5008	52(1), 20–41.	2023	SCIE and Scopus	10.1080/15325008.2023.2240799	https://www.tandfonline.com/journals/uemp20
3	MohanBabu, G	An optimized deep learning network model for EEG based seizure classification using synchronization and functional connectivity measures.	Journal of Ambient Intelligence and Humanized Computing	1868-5137	14 (1), 219	2023	Scopus	10.1007/s12652-022-04033-2	https://link.springer.com/journal/12652
4	MohanBabu, G.	A novel approach based on BSPCI for quantifying functional connectivity pattern of the brain's region for the classification of epileptic seizure	Journal of Ambient Intelligence and Humanized Computing	1868-5137	14 (1), 513	2023	Scopus	10.1007/s12652-022-04224-x	https://link.springer.com/journal/12652

S. No	Authors Name	Title of paper	Journal Name	ISSN Number	Volume , Issue, Page No.	Year of Publishing	Index Details	DOI Number	Journal Link
5	G.Satheesh Kumar	Battery Monitoring System for Electric Vehicle Using IoT	International Journal of Advanced Engineering Science and Information Technology	2349-3216	Vol.6, No.6	June 2023	-	-	https://www.ijaesit.com/wp-content/uploads/2023/07/1.Battery-Monitoring-System-for-Electric-Vehicle-Using-IoT.pdf



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

JOURNAL PUBLICATION

Academic Year: 2024 – 2025

S. No	Authors Name	Title of paper	Journal Name	ISSN Number	Volume No., Issue No.	Year of Publishing	Index Details	DOI Number	Journal / Link
1	Arulkumar T	Solving economic emission dispatch of combined heat and power unit's problem using enhanced Tasmanian devil optimization strategy in power systems.	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	1556-7036	46(1), 14012–14032.	2024	Scopus; Science Citation Index.	doi.org/10.1080/15567036.2024.2404260	https://www.tandfonline.com/journals/ueso20
2	M. Kalidasan	Power loss reduction and voltage profile enhancement by reconfiguration of radial distribution system with hybrid optimization method	Thermal Science and Engineering Progress	2451-9049	Volume 57, 103105	2025	Scopus Science Citation Index Expanded (SCIE)	doi.org/10.1016/j.tsep.2024.103105.	https://www.sciencedirect.com/journal/thermal-science-and-engineering-progress



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

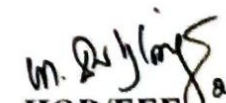
JOURNAL PUBLICATIONS DETAILS

ACADEMIC YEAR 2025-2026

S No	Authors Name	Title of the paper	Journal Name	ISSN Number	Volume No., Issue No.,	Year Of Publishing	Index Details	DOI Number	Journal Link
1	Dr.P.SIVA SUBRAMANIAN	Enhancing Hybrid DC/AC Microgrid Performance through IoT based Grid Integrated Energy Sources using GTO-MGNN Approach	IETE Journal of Research	Print ISSN: 0377-2063 Online ISSN: 0974-780X	Volume 71 Issue 6	01-09-25	Science Citation Index Expanded	https://doi.org/10.1080/03772063.2025.2487934	https://www.tandfonline.com/
		Intelligent control solutions for enhancing dual-fold Luo converter efficiency in Evs	International Journal of Power Electronics and Drive Systems (IJPEDS)	P-ISSN: 2088-8694, e-ISSN: 2722-256X	Volume 16, Issue 3	September 2025	Science Citation Index Expanded	http://doi.org/10.1159/ijpeds.v16.i3.pp1789-1800	https://ijpeds.iaescore.com/index.php/IJPEDS
2	Mr.M.KALIDASAN	Nanophotonic-Enhanced Photoacoustic Fusion with Transformers for Brain Tumor Classification	International Journal of Electrical and Electronics Research (IJEER)	P-ISSN: 2347-470X	Volume 13, Issue 4	30-12-2025	Scopus	https://doi.org/10.37391/IJEER.130427	https://ijeer.forexjournal.co.in/

		Design of a 4-Bit Counter Using Reversible Logic Gates for Enhanced Security with Reduced Quantum Cost	International Journal of Systems Assurance Engineering and Management	e-ISSN: 0976-4348 p-ISSN: 0975-6809	Volume 3, Issue 1	09-04-2026	Scopus	DOIhttps://doi.org/10.1007/s13198-026-03190-3	https://link.springer.com/journal/13198
3	Mrs.R.RAMYA	Intelligent control solutions for enhancing dual-fold Luo converter efficiency in Evs	International Journal of Power Electronics and Drive Systems (IJPEDS)	P-ISSN: 2088-8694, e-ISSN: 2722-256X	Volume 16, Issue 3	01-09-2025	Science Citation Index Expanded	http://doi.org/10.11591/ijpeds.v16.i3.pp1789-1800	https://ijpeds.iaescore.com/index.php/IJPEDS
		Sustainable Design of CoMn204/N Doped Biocarbon Hybrid Electrode from moringa seed Husk for Enhanced Dye-Sensitized solar cell Efficiency	Journal of Electronic Materials	Print ISSN: 0361-5235 Electronic ISSN (E-ISSN): 1543-186X	Volume 55, pages 3474-348	13-02-2026	Science Citation Index Expanded	https://doi.org/10.1007/s11664-026-12704-5	https://link.springer.com/journal/11664
4	Mr.N MANIKANDAN	Nanophotonic-Enhanced Photoacoustic Fusion with Transformers for Brain Tumor Classification	International Journal of Electrical and Electronics Research (IJEER)	P-ISSN: 2347-470X	Volume 13, Issue 4	30-12-2025	Scopus	https://doi.org/10.37391/IJEER.130427	https://ijee.r.forexjournal.co.in/


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