

LIST OF JOURNAL PUBLICATIONS

2023-2024

1. V.Rajini, “Design and Implementation of Remodeled Active PFC rectifier topology for Avionic and Fleet Electrification”, International Journal Iranian Journal of Science and Technology, Transactions of Electrical Engineering, Springer, July 2023, Volume 47, pp. 1405–1416, <https://doi.org/10.1007/s40998-023-00636-3>. Q2
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3. A. Bharathi Sankar Ammaiyappan, Seyezhai Ramalingam, “Energy harvesting for self-powered wearable device applications”, International Journal Materials Today Proceedings, Elsevier July 2023, ISSN 2214-7853, DOI <https://doi.org/10.1016/j.matpr.2023.06.342>,
4. T. Divya, FT-RS, R. Ramaprabha, “Analysis of Modulation Strategies for Switched Boost Multilevel Inverter with Embedded Source”, International Journal U.P.B. Scientific Bulletin, Series C- Electrical Engineering and Computer Science July 2023, Volume 85, pp 271-282, ISSN 2286-3540.
5. Anjana Ethirajan, FT-RS/EEE and R. Ramaprabha, “Mathematical Modeling of PV and Wind for 2.4 kW Connected to a Common DC Bus” International Journal AIP Conference Proceedings 13 July 2023, 2829 (1), Volume 2829, Article No.: 040003, ISSN 0094243X, DOI <https://doi.org/10.1063/5.0156765>
6. R. Deepalaxmi, R. Arthi, M. Logesh, E. Malini and M. Raghul Design and implementation of Arduino based autonomous school van with student monitoring system in International Journal AIP Conference Proceedings - INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN MATHEMATICS AND COMPUTATIONAL ENGINEERING: ICRAMCE 2022 6–7 January 2022 Chennai, India July 2023, Volume 2829, pp 44938, ISSN 0094243X, 15517616.
7. V. Thiyagarajan, “A New Inverter Module with Minimum Circuit Components Suitable for Renewable Energy Applications in International Journal AIP Conference Proceedings July 2023, Volume 2786, pp 1 - 9, ISSN 1551-7616, DOI <https://doi.org/10.1063/5.0145412>.
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9. Prabhu Sundaramoorthy, Vijayakumar Arun, Balaji Mahadevan, Peruthambi Venkatesh, Pularu Aravindha Reddy, Sane Siva Mohan, Sareddy Raju Kumar Reddy,

and Somu Santhosh Kumar Reddy, "Finite Element Analysis on Doubly Salient Singly Excited Machine for Electrified Transportation Systems", International Journal Progress in Electromagnetics Research C July 2023, Volume 135, pp 145-156, ISSN 1937-8718, DOI doi:10.2528/PIERC23050102.

10. Suguna, R., S.Tamilselvi. and Sundaram, K.M "Adaptive Controller for Bridgeless New SEPIC Integrated Landsman Converter for PFC in Induction Motor", International Journal Electric Power Components and Systems- Taylor and Francis July 2023, Volume 1, pp 44944, ISSN ISSN: 1532-5008,, <https://doi.org/10.1080/15325008.2023.2228786>. Q4
11. K. Mohaideen Abdul Kadhar, S. Rengarajan, S. Tamilselvi, N. Karuppiah, Praveen Kumar Balachandran, A. Thamilaran, C. Dhanamjayulu, Baseem Khan, "Finite Impulse Response Filter Design Using Fuzzy Logic-Based Diversity-Controlled Self-Adaptive Differential Evolution", International Transactions on Electrical Energy Systems - Hindawi July 2023, Volume 1, pp 44944, ISSN ISSN: 2050-7038, DOI <https://doi.org/10.1155/2023/1572996>.
12. A.Inba Remy , R.Seyezhai, "Ripple steering Interleaved Boost PFC Converter Analysis, Simulation and Experimentation", International Journal Electric Power Components and Systems, Taylor and Francis August 2023, Volume 51, ISSN-1532-5008, DOI <https://doi.org/10.1080/15325008.2023.2201258>. Q2
13. M.Ramya, K K Nagarajan, "Investigation of transient response on reconfigurable ringFET exposed to heavy-ion radiation strikes using 3D numerical device simulations in International Journal Electrical Engineering September 2023, Volume 105, pp 2687-2701, ISSN 9487921, DOI <https://doi.org/10.1007/s00202-023-01833-3>. Q3
14. ASHISH BAGWARI , J. LOGESHWARAN, K. USHA,KANNADASAN RAJU An Enhanced Energy Optimization Model for Industrial Wireless Sensor Networks Using Machine Learning in International Journal IEEE Access September 2023, Volume 11, pp 96343, ISSN 2169-3536, DOI 10.1109/ACCESS.2023.3311854. Q1
15. D. Ragul, Dr. V. Thiyagarajan, A NOVEL FAULT-TOLERANT ASYMMETRICAL 21-LEVEL INVERTER TOPOLOGY WITH REDUCED COMPONENTS in International Journal Rev. Roum. Sci. Techn.–Électrotechn. et Énerg September 2023, Volume 68, pp 200 - 205, ISSN 0035-4066, DOI <https://doi.org/10.59277/RRST-EE.2023.68.2.14>. Q3
16. Dr,V.Rajini, "Optimization of Switching Control and Microgrid Energy Management System with Alternate Arm Converter Based on Bacterial Foraging Algorithm" International Transactions on Electrical Energy Systems", an International Journal published by Hindawi, 2023, Article ID 5585420, 35 pages, October 2023, DOI <https://doi.org/10.1155/2023/5585420>. Q1
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18. Vijayalakshmi Mathivanan, Ramaprabha Ramabadran, Beemkumar Nagappan and Yuvarajan Devarajan, "Assessment of photovoltaic powered flywheel energy storage system for power generation and conditioning" International Journal Solar Energy November 2023, Volume 264, pp NA, ISSN 0038-092X, DOI <https://doi.org/10.1016/j.solener.2023.112045>. Q1.
19. Sheeba Angel A & Jayaparvathy R, "Modelling of emergency evacuation in high rise buildings considering congestion at stairs based on Markov chains", Physica A: Statistical Mechanics and its Applications, <https://doi.org/10.1016/j.physa.2023.129352>, pp. 1-21, November 2023.Q1
20. Sasikala Panneerselvam, Sirish S, Tanushyam Bhattacharjee, Premanand Venkatesh Chandramani, Srinivasan Raj, " Impact of Process Variation on Leakage and Drive Currents of FED Structures Using Linear Regression and Random Forest Algorithms", International Journal Silicon, October, 2023ISSN 18769918, DOI <https://doi.org/10.1007/s12633-023-02703-0>. Q3.
21. Pandian P, Subramanian S, K.Usha , R Kannadasan Technological advancements toward smart energy management in smart cities in International Journal Energy Reports November 2023, Volume 10, pp 648, ISSN 2352-4847, DOI <https://doi.org/10.1016/j.egy.2023.07.021>.
22. Anjana Ethirajan and R. Ramaprabha, Extended Analysis of Non-Isolated Bidirectional High Gain Converter in International Journal Advances in Electrical and Computer Engineering November 2023, Volume 23, pp 89-98, ISSN Print ISSN: 1582-7445, Online ISSN: 1844-7600, DOI: 10.4316/AECE.2023.04010.
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24. R.Seyezhai and V.Vidhupriya, "A Comparative Study of Multi Stage Step up Interleaved DC-DC Converter for Electric Mobility", International Journal Indian Journal of Natural Sciences, December 2023, Volume 14, pp. 64808-64816 , ISSN 0976 – 0997, <http://tnsroindia.org.in/journals.html>.
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26. R.Seyezhai and A.BharathiSankar, M.Someswaran, M.Abhinandan Ram , "Piezoelectric driven self-powered super capacitor for wearable device applications in Materials Today Proceedings December 2023, pp.1-7, ISSN;2214-7853, <https://doi.org/10.1016/j.matpr.2023.09.102>.

27. R.Seyezhai and M.Sridhar Lifetime Prediction Of Single-Stage LED Driver Circuit Using Bayesian Belief Network in International Journal Rev. Roum. Sci. Techn.–Électrotechn. et Énerg, December 2023, Volume 68, pp.351-356 , ISSN: 0035-4066 , <https://doi.org/10.59277/RRST-EE.2023.4.5>.
28. Venkatakrishnan, G.R., Rengaraj, R., Jeya, R., Rajalakshmi, Viswanath, K.S Real Time Dynamic Home Surveillance using Raspberry Node ICIoT 2022, Communications in Computer and Information Science, Springer, vol 1727, 2023. Q3.
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30. G.R.Venkatakrishnan, R. Rengaraj, S. Tamilselvi Detection, location, and diagnosis of different faults in large solar PV system—a review International Journal of Low-Carbon Technologies Volume 18, 2023, Pages 659–674. Q3.
31. R.Seyezhai, S.Harika and A.Jawahar, “High Linear Voltage Gain in QZNC Through Synchronizing Switching Circuits,” Intelligent Automation & Soft Computing 36,1,2023. Category:Q3.
32. Vani H ,Kavitha M , K.Usha, S.Bharathi, “Evaluating Artificial Intelligence's Effect On Accounting Information Systems For Small And Medium-Sized Enterprises,” International Journal Migration Letters December 2023, Volume 20, pp 680. DOI <https://doi.org/10.59670/ml.v20iS13.7599>.
33. M. Shadhik & M. Senthil Kumaran, “Meta Heuristic Optimization Algorithm based Rectifier Control in Switched Reluctance Generator” IETE Journal of Research, pp:1-23, May, 2023. DOI: 10.1080/03772063.2023.2204848
34. Saravanan Palani, Anbuselvi Mathivanan , Gokul H and Akshay Kumar, “Low Cost and Compact Electrostatic Precipitator Model Controlled by Smoke Detector” , IOP Conf. Series: Earth and Environmental Science 1100 (2023) 012029, doi:10.1088/1755-1315/1100/1/012029. Q4
35. R. Sathyapriyaa, Judah Jos Jacinth, K.S. Gayathri, P. Saravanan and M. Anbuselvi, “Motion Prediction for Autonomous Vehicle using Deep Learning Architecture and Transfer Learning”, ITM Web Conf., 57 (2023) 01002, DOI:<https://doi.org/10.1051/itmconf/20235701002>.Q4
36. V.S. Nagarajan, V. Rajini, G.S. Mukundharajan, M. Barathkumar, T.V.L. Vyshnavi, "Comparative evaluation of different permanent magnet materials for spoke interior permanent magnet motor suitable for automotive application", Materials Today: Proceedings, May 2023,ISSN 2214-7853,<https://doi.org/10.1016/j.matpr.2023.04.557>. Q3
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39. R. ARUN, R. MUNIRAJ, S.R. BOSELIN PRABHU, T. JARIN and M. WILLJUICE IRUTHAYARAJAN, "Design of robust multi-loop PI controller for improved disturbance rejection with constraint on minimum singular value," *International Journal Archives of Control Sciences*, December 2023, Volume 33, pp 839. DOI 10.24425/acs.2023.148884.
40. V.Rajini, S T Rama, "Performance analysis of induction motor drive system using Alternate arm Converter and Modular Multilevel Converter- A comparison," *International Journal INTELLIGENT SYSTEMS AND APPLICATIONS*, January 2024, Volume 12.
41. R.Seyezhai, Sridhar .M, S.Sridhar, S.Srikirthi and S.Swetha," Investigation of single stage AC-DC PFC LED driver for solid state street lighting", *AIP Conf. Proc.* 2512, 020093-1–020093-9; <https://doi.org/10.1063/5.0111941>, pp. 020093-1-020093-9.
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45. R.Seyezhai & V.Chamundeeswari, "Design and Implementation of Fuzzy sliding mode control (FSMC) approach for a Modified Negative Output Luo DC-DC Converter with its comparative analysis", *International Journal AUTOMATIKA*, Taylor & Francis March 2024, Volume 65, pp 45–57, ISSN: 0005-1144, DOI <https://doi.org/10.1080/00051144.2023.2280875>.
46. J. Mahadevan, R. Rengaraj, "A novel fuzzy hybrid red fox chimp for optimal power flow in FACTS devices", *International Journal Electrical Engineering* August 2023, pp 4481, ISSN 0948-7921, DOI <https://doi.org/10.1007/s00202-023-01944-x>.
47. T. Divya, FT-RS, R. Ramaprabha, " Embedded Switched boost multilevel inverter for PV-fed single phase grid", *International Journal of Electrical Systems* March 2024,

48. Sushree Samikshya Pattanaik, Ashwin Kumar Sahoo, Rajesh Panda, Satyabrata Behera, "Life Cycle Assessment and Forecasting for 30kW Solar Power Plant using Machine Learning Algorithms" e-Prime - Advances in Electrical Engineering, Electronics and Energy, Elsevier.
49. Vidhya S, Balaji M, Kamaraj V, "Satellite Image Classification using CNN with Particle Swarm Optimization Classifier in International Journal Procedia Computer Science April 2024, Volume 233, pp 979-987, ISSN 1877-0509,, DOI doi.org/10.1016/j.procs.2024.03.287.
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