

Department of Electronics and Communication Engineering

Journal Publication

Academic Year 2023-2024

Sl.No.	Title of the Paper
1.	Mohana Sundaram, N., Thottungal, R. Stability analysis of single-machine infinite bus system with renewable energy sources using sine cosine chimp optimization. Electr Eng (2024). https://doi.org/10.1007/s00202-024-02450-4
2.	Jayaraman, R., Thottungal, R. Accurate state of charge prediction for lithium-ion batteries in electric vehicles using deep learning and dimensionality reduction. Electr Eng 106, 2175–2195 (2024). https://doi.org/10.1007/s00202-023-02227-1
3.	Nagarathinam, S., Vasuki, A. & Paramasivam, K. PAN and MS satellite image fusion using fast guided filter and PSO segmentation. Sādhanā 48, 199 (2023). https://doi.org/10.1007/s12046-023-02262-5
4.	Anusha Sowbarnika V, Balasubramani M, Kavitha K. The security-based optimization algorithm for enhancing the energy efficiency of wireless sensor networks. Int J Commun Syst. 2023; 36(16):e5584. doi:10.1002/dac.5584
5.	Karthi, S.P., Kavitha, K. Detecting and Classifying Parametric Faults in Analog Circuits Using an Optimized Attention Neural Networks. Circuits Syst Signal Process 43, 5401–5437 (2024). https://doi.org/10.1007/s00034-024-02722-1
6.	S.Umamaheswari, Dr & Birnica, Y. & Boobalan, J. & Sethuraman, V.s.Akshaya. (2024). Optimizing Cervical Cancer Classification with SVM and Improved Genetic Algorithm on Pap Smear Images. Computer Science Journal of Moldova. 32. 61-83. 10.56415/csjm.v32.05.
7.	Arun Kumar S, & Sasikala, S. (2023). Enhanced Alzheimer’s Disease Classification Using Multilayer Deep Convolutional Neural Network-Based Experimentations. Iranian Journal of Science and Technology, Transactions of Electrical Engineering, 47(4), 1595-1621.
8.	Shanmugam Sasikala, Kandasamy Karthika, Shanmugam Arunkumar, Karunakaran Anusha, Srinivasan Adithya, and Ahmed Jamal Abdullah Al-Gburi, "Design and Analysis of a Low-Profile Tapered Slot UWB Vivaldi Antenna for Breast Cancer Diagnosis," Progress In Electromagnetics Research M, Vol. 124, 43-51, 2024. doi:10.2528/PIERM23110702
9.	Kandasamy, Karthika, Kaliappan, Kavitha, Shanmugam, Sasikala and Srinivasan, Adithya. "Gain enhancement in octagonal shaped frequency reconfigurable antenna using metasurface superstrate" Frequenz, 2024. https://doi.org/10.1515/freq-2023-0269
10.	S. Arun Kumar, & S. Sasikala. (2023). Review on Deep Learning-Based CAD Systems for Breast Cancer Diagnosis. Technology in Cancer Research & Treatment, 22, 1-13. https://doi.org/10.1177/15330338231177977
11.	Kumar, S. A., & Sasikala, S. (2023). Automated Brain Tumour Detection and Classification using Deep Features and Bayesian Optimised Classifiers. Current Medical Imaging Formerly Current Medical Imaging Reviews, 20. https://doi.org/10.2174/1573405620666230328092218
12.	Allin Joe, D., & Krishnan, T. (2023). A Triband Compact Antenna for Wireless Applications. International Journal of Antennas and Propagation, 2023.
13.	Allin Joe D, Krishnan Thiyagarajan (2023). A modified Sierpinski carpet antenna structure for Multiband Wireless Applications. The Scientific Temper, 14(02), 398–404. https://doi.org/10.58414/scientifictemper.2023.14.2.25
14.	Karthika, K., Kavitha, K. Design and Development of Self-Complementary DNA Structure-based Frequency Reconfigurable Antenna. J. Electr. Eng. Technol. (2024). https://doi.org/10.1007/s42835-024-01917-5
15.	Prasanna Kumaar S, and A Sivasubramanian (2024), Design of polymer BenzoCycloButene (BCB) based silicon photonic MZI waveguide for label-free biosensing, in Optoelectronics And Advanced Materials – Rapid Communications Vol. 18, No. 3-4, March-April 2024, p. 93 - 102.

Sl.No.	Title of the Paper
16.	Suriyakumar, B., & A. Vasuki. (2024). Optimization and analysis of distributed generation units in distributed system for minimizing losses. Indonesian Journal of Electrical Engineering and Computer Science, 34(1), 31. https://doi.org/10.11591/ijeecs.v34.i1.pp31-39
17.	Kavitha, Dr. K., & Karthika, K. (2023). Implementation Challenges and Opportunities in the Outcome-Based Education (OBE) for Teaching Engineering Courses: A Case Study. In International Journal of Engineering and Advanced Technology (Vol. 12, Issue 5, pp. 7–11). Blue Eyes Intelligence Engineering and Sciences Engineering and Sciences Publication - BEIESP. https://doi.org/10.35940/ijeat.e4133.0612523
18.	Amsaveni Avinashiappan, Harshavarthan Thiagarajan, Harshwarth Mahesh, Rohith Suresh, Smart surveillance using deep learning, International Journal of Reconfigurable and Embedded System, Vol. 12, No. 3, pp. 423-432, http://doi.org/10.11591/ijres.v12.i3.pp423-432
19.	A. Amsaveni, L. Harish, S. Rashmi, and A. Kaiser Performance analysis of pentagonal MIMO antenna with elliptical slots for 5G V2V communication International Journal of Vehicle Information and Communication Systems 2024 9:1, 103-113
20.	Asfaq Moideen A, Selva Suganya K, Mrs. Dhivya Praba R, Khishore Kumar KM, Raguram K, Monisha L, Janarathanan B An Automated Mechanized Robot for Handling Ricebags, International Journal For Multidisciplinary Research 6. 1-15.
21.	Thilagavathi.K, Tarunika.M, Sanjana.V, Sivani.S.G, Soil Classification Using Convolutional Neural Network, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering Volume 13, Issue 5, May 2024. pp 1667-1672

File In-charge

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