



NANDHA ENGINEERING COLLEGE

(Autonomous Institution)

Erode-638 052

Department of ECE

Academic Year 2023-24

Journal Publication (From June 2023 to 2024*)

S.No	Description	Count
1	Scopus Indexed	17
2	WOS Indexed	5
3	SCI/SCIE Indexed	5
Total (SCI/SCIE & others)		22
Other reputed journal		1
Book /Book Chapter		1
Total Publication		24*

* as on 12.03.2024

1. P. G, **Kavitha. S**, M. Ayyannan, S. N, B. K and N. S. Kumar, "Secure Multimodal Biometric System Based on Robust LSB-DWT Digital Watermarking Algorithm," 2023 2nd International Conference on Computational Systems and Communication (ICCSC), Thiruvananthapuram, India, 2023, pp. 1-6, doi: 10.1109/ICCSC56913.2023.10142972. **(IEEE Xplore, Scopus Index)**
2. Saikumar, K., **Arulanantham, D.**, Rajalakshmi, R. *et al.* Design and Development of Surface Plasmon Polariton Resonance Four-Element Triple-Band Multi-Input Multioutput Systems for LTE/5G Applications. *Plasmonics* (2023). **(WOS-SCIE , Scopus Index, IF 3)**
3. R. Madala, **R. Monica**, S. S. Malwade, S. S, S. J. Budhavale and N. Sathyabalaji, "A Novel Dynamic Watermarking for Secure Data Protection from Cyber Theft Based on Artificial Intelligence Supervision," 2023 Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Chennai, India, 2023, pp. 1-7, doi: 10.1109/ICONSTEM56934.2023.10142898.**(IEEE Xplore, Scopus Index)**
4. **C. N. Marimuthu** and B. Priyanka, "FPGA Implementation of High Speed 64-Bit Data Width True Random Number Generator using Clock Managers With Metastability," 2023 Fifth International Conference on Electrical, Computer and Communication Technologies (ICECCT), Erode, India, 2023, pp. 1-5. **(IEEE Xplore, Scopus Index)**

5. **C. N. Marimuthu**, A. H. A. N. Thaslima, M. Ayyasamy, R. Anupriya and R. Haripriya, "An Inverted U-Shaped Dual-Band MIMO Textile Antenna for WBAN and 5G Applications," 2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), Trichirappalli, India, 2023, pp. 1-4. (**IEEE Xplore, Scopus Index**)
6. V. Gowrishankar, **G. Prabhakaran**, K. S. Tamilselvan, T. Judgi, M. Parimala Devi and A. Murugesan, "IoT based Smart ID Card for Working Woman Safety," 2023 7th International Conference on Intelligent Computing and Control Systems (ICICCS), Madurai, India, 2023, pp. 1598-1604 (**IEEE Xplore, Scopus Index**)
7. **T. Jayachandran** , **S. Kavitha**, "A Development and Analysis of Color Image New Blind Watermarking Based on DWT-SVD Swapping and 3-Dimensional Cryptography Technique", Fluctuation and Noise Letters, Volume 22, Issue No. 05, 2350026 (2023). (**WOS-SCIE , Scopus Index, IF 1.8**)
8. M. Anitha, **D. Arulanantham**, G. Brinda, S. D. Vijayakumar, G. Prakash and M. Shivaranjani, "Enhancing IoT Image Security Through Hybrid Encryption and Optimal Key Generation with Optimization," 2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), Erode, India, 2023, pp. 1355-1362. (**IEEE Xplore, Scopus Index**)
9. G. Arun & **C. N. Marimuthu** "Diabetes classification using Map Reduce-based capsule network", Automatika (2024), 65:1, 73-81. (**WOS-SCIE , Scopus Index, IF 1.9**)
10. S. R, **S.Kavitha**, N. Darwin, A. Titus, V. V. Kishore and D. B. S, "Smart RFID: Experimental Evaluation of Secured Students Attendance Handling System Using RFID," 2023 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), Chennai, India, 2023, pp. 1-7, (**IEEE Xplore, Scopus Index**)
11. P. Shanthi, **E. K. Arulkarthick**, B. R. Supreeth, N. K. Vyas, D. P. Singh and R. Selvameena, "Weather Impact Nano Patch Hybrid Satellite Communication with AI Monitored Network Information Protection System," 2023 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), Chennai, India, 2023, pp. 1-8. (**IEEE Xplore, Scopus Index**)
12. K. P. Chandran, **Niji P. S**, V. Chinnammal, M. Shyam, M. Venkatanareesh and J. N, "LiFi: A Visible Light Communication Assisted Fishermen Tracking System using GPS," 2023 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), Chennai, India, 2023, pp. 1-7. (**IEEE Xplore, Scopus Index**)
13. K. Kalpana, B. Paulchamy, **P. Logamurthy**, K. Suganyadevi and R. Saranya, "A Novel Area Efficient TIEO based Reversible Logic Gates in QCA Paradigm," 2023 7th

International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), Kirtipur, Nepal, 2023, pp. 1004-1009, doi: 10.1109/I-SMAC58438.2023.10289706.(**IEEE Xplore, Scopus Index**)

14. S. Niranjana, **Gunasundari V**, A. Rajalakshmi, G. Dhanalakshmi and G. Ramkumar, "An IoT Based Real-Time Monitoring System for Viticulture to Minimize Energy Consumption," 2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), Erode, India, 2023, pp. 1420-1426. (**IEEE Xplore, Scopus Index**)

15. Amarnath Prabhakaran A, **Srinevasan M**, Sowparnika B, Balajee B, "Enhancing Skin Cancer Diagnosis Using DL with 3D Model", International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), 2023,pp. 659-663. (**IEEE Xplore, Scopus Index**)

16. N. Satish, **V. Logeswari**, S. Pundir, A. Kumar, N. M.Y and N. D. Saldahna, "Automated AI - Equity Market Lead-Lag Prediction Based on Multivariate Time Series," 2023 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), Chennai, India, 2023, pp. 1-9,(**IEEE Xplore, Scopus Index**)

17. **P.Kokila**, T.Gunasekar, T.Mohanasundaram, M.Senthilkumar, Senthil Kumar T, Saravanakumar P, "Radio Astronomy based S-Band Horn Antenna for Cube Sat Application", International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS 2023), ISBN: 979-8-3503-0090-1, Page No.: 1734 – 1738. (**IEEE Xplore, Scopus Index**)

18. **D.Arulanantham et al**, "Networks & Security", First Edition , Prime International Publication,2024,ISBN:978-93-6010-085-8 , (**Book**)

19. S. S. Mercy, **C. Prabhu**, V. Revathi, K. S. Kumar and A. G, "A Secure IoT Based Wireless Sensor Network for an Efficient Modified User Authentication and Key Agreement Scheme," 2023 International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIIIE), Ballari, India, 2023, pp. 1-6. .(**IEEE Xplore**)

20. **K. R. Kannan & C. N. Marimuthu (2024)** Energy Efficient Routing Technique Using Enthalpy Ant Net Routing for Zone-Based MANETS, IETE Journal of Research (**WOS-SCIE , Scopus Index, IF 1.5,Q2**)

21. **Subramaniam, Kavitha**, Mohan, Konganapuram S., Bhoopesh, Rajappan K. and Gunavathy, Kugalur V.. "Investigations on the enhanced anti-microbial activity of one step synthesized ZnO, WO₃, and rGO nano particles and fabrication of rGO nano electrode for EMG biomedical application" Zeitschrift für Physikalische Chemie, 2024. (**WOS-SCIE , Scopus Index, IF 2.5 ,Q1**)

22. T. Gunasekar, **P. Kokila**, D. Livinkumar, R. Mathinraj, S. Parvathavarthini and T. Priyadarshini, "Development of Chain Link Twister Machine for Land Fencing Applications," 2023 7th International Conference on Electronics, Communication and

Aerospace Technology (ICECA), Coimbatore, India, 2023, pp. 1192-1196.(**IEEE Xplore, Scopus Index**)

23. C. Kalamani, R. Murugasami, S. Usha, S. Saravanakumar, "Design of encoder and decoder using reversible logic gates", *Measurement: Sensors*, Volume 31,2024. (**Scopus Index**)

24. **T. Jayachandran**, A. Logeswaran, S. Thillaikkarasi, S. M. Suman, B. SakthiKumar and S. Karthick, "Energy-Efficient Clustering and Routing Algorithm using Deer Hunting Optimization in Wireless Sensor Networks," *2023 7th International Conference on Electronics, Communication and Aerospace Technology (ICECA)*, Coimbatore, India, 2023, pp. 1522-1527.(**IEEE Xplore, Scopus Index**)