

Publications:

Journals:

1. Rajaguru R., K. Vimala Devi, and P. Marichamy. "A hybrid spectrum sensing approach to select suitable spectrum band for cognitive users." *Computer Networks*, Volume 180 (2020), Article ID 107387, <https://doi.org/10.1016/j.comnet.2020.107387>, 2020 pp. 1-11, Impact Factor 3.111, ISSN: 1389-1286, SI.No.2558 as given in Annexure I of refereed journal list in Anna University Portal
2. S.Balasubramanian, P.Marichamy, "An efficient medical data classification using oppositional fruit fly optimization and modified kernel ridge regression algorithm" *Journal of Ambient Intelligence and Humanized Computing*, online ISSN 1868-5137, Springer, Jan 2020.
3. C Balamurugan, P Marichamy, R Harichandran, "Effect of h-BN nanoceramic substrate on the performance of microstrip patch antenna in S-band applications", *International Journal of RF and Microwave Computer-Aided Engineering*, Vol 30(2), John Wiley & Sons, Inc. Feb 2020.
4. Kamaraj, A & Marichamy, P 2019, 'Design of Fault-Tolerant Reversible Vedic Multiplier in Quantum Cellular Automata', *Journal of the National Science Foundation of Sri Lanka*, Vol 47(4), 2019. (ISSN No.: 1391-4588; SI. No. 7605 – Anna University Revised Journal List, July 2019; SI. No. 7262 – Anna University Updated list) (Impact Factor: 1.049).
5. A.Kamaraj, P.Marichamy, "Design of Integrated Reversible Fault-tolerant Arithmetic and Logic Unit", *Journal of Microprocessors and Microsystems*, Elsevier Science BV, pp 16-23, (69) 2019. <https://doi.org/10.1016/j.micpro.2019.05.009>. ISSN 0141-9331/1872-9436 (AU Journal List SI.No 8000).
6. A.Kamaraj, P.Marichamy, K P Kavyashri, "Realization and Optimization of Quantum Equivalent Circuits of Reversible Combinational Circuits", *Journal of Computational and Theoretical Nanoscience*, American Scientific Publishers, 2019. ISSN: 1546-1955 (Print): EISSN: 1546-1963 (Online)
7. C.KalyanaSundaram, P.Marichamy, "EEG – Taste Classification through Sensitivity Analysis", *International Journal of Electrical Engineering and Education*, 0(0), pp 1-13, SAGE Publications, eISSN: 20504578 / ISSN 00207209.
8. S.Balasubramanian, P.Marichamy, M.Piramu, "Chromosome Classification Using SVM", *Journal of Emerging Technologies and Innovative Research (JETIR)*, Vol 5, Issue 12, Dec'2018, pp. 544-547. ISSN 2349-5162. UGC SI.No 63975
9. C.KalyanaSundaram, P.Marichamy, "Effect of Environmental Pollutants on Taste Composition Based on Electroencephalography Signal Analysis in an Indoor Environment", *Ekoloji* 27(106), PP 787-792 (2018) ISSN: 1300-1361, Publisher Foundation Environmental Protection & Research-FEPR, Turkey(AU Journal List SI.No 3112).
10. C.Narmadha, P.Marichamy, A.E.Narayanan, "An Energy Efficient Clustering Algorithm Using Harmony Memory Search For Wireless Sensor Network, International Review On Modelling and Simulations (IREMOS)", Vol 11, No.5, 2018, pp. 373-381. ISSN 1974-9821, Scopus UGC SI No. 7908
11. C.Narmadha, P.Marichamy, A.E.Narayanan, "A Novel Energy Aware Clustering Approach to Reduce Energy Consumption in Wireless Sensor Network based on Particle Swarm optimization", *Journal of Adv Research in Dynamical & Control*

Systems, Vol 10, 13-Special Issue 2018, pp. 373-381. ISSN 1943-023X, Scopus UGC SI No. 26301

12. C.Narmadha, P.Marichamy, A.Hemalatha, P.Avirajamanjula, "Improve Scalability in Wireless Sensor Networks Using Certificate Less Effective Key Management Scheme", International Journal of Research and Analytical Reviews (IJAR), Vol.5, Issue 4, pp 307-314, October 2018. E-ISSN 2348-1269, P- ISSN 2349-5138. UGC SI No. 43602
13. Mhaboob Khan, A.Kamaraj, P.Marichamy C Kalyanasundaram, "Design of an Area Efficient Reversible FIR Filter using 180nm Technology", Journal of Adv Research in Dynamical & Control Systems, Vol 10, 13-Special Issue 2018, pp. 134-139. ISSN 1943-023X, Scopus
14. C.KalyanaSundaram, P.Marichamy, "EEG Based Strategies for Human Gustation Classification Using Spartan-6 FPGA" Wireless Personal Communications (2018), Springer, <https://doi.org/10.1007/s11277-018-5993-x> - ISSN 0929-6212 – (AU Journal List SI.No 10995)
15. A.Kamaraj, P.Marichamy "Design of Fault-Tolerant Reversible Floating Point Division", Inf. MIDEEM, Journal of Microelectronics, Electronic Components and Materials 48 (3) (2018), pp. 161-171, ISSN 0352-9045 – (AU Journal List SI.No 4662)
16. C.Narmadha, P.Marichamy and A.E.Narayanan, "A Survey on Hierarchical-Based Routing Protocols for Wireless Sensor Networks", International Journal of Pure and Applied Mathematics, Vol.119, No. 16, 2018, 3663-3676, Special Issue, ISSN: 1314-3395.
17. C.KalyanaSundaram, P.Marichamy, R R. Devu, "Artificial Neural Network Based Brain Signal Classification of Gustatory Stimuli in FPGA", International Journal of Pure and Applied Mathematics, Vol.117, No. 16, 111-119, Special 2017. [ISSN: 1311-8080 (printed version 1314-3395 (on-line version))].
18. A.Kamaraj, P.Marichamy, "Design and Implementation of Arithmetic and Logic Unit(ALU)using Novel Reversible Gates in Quantum Cellular Automata", International Journal of Advanced Computing and Communication Systems (IJACCS), Vol 4, Issue 3, November 2017. ISSN (Print) : 2437-9280.
19. A.Kamaraj, P.Marichamy, J.Dhivya Bharathi "Realization of N-Bit Fault Tolerant Division unit using Reversible Logic in QCA", International Journal of Advanced Computing and Communication Systems (IJACCS), Vol 4, Issue 3, November 2017. ISSN (Print) : 2437-9280.
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21. S. Janakiraman and P. Marichamy, "Propagation Characteristics of Millimeter-Wave Band for 5G Mobile Communications", Indian Journal of Science and Technology, Vol 8(26), October 2015. ISSN (Print) : 0974-6846
22. Thangam S and P. Marichamy, "Study and Survey of an Efficient Earlier Fault Detection Unit for Cloud", International Journal of Applied Engineering Research (IJAER), Volume 10, Number 23 (2015), pp 43430-43437. [ISSN 0973-4562].
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24. A.Kamaraj, P.Marichamy, S.Ramya "Design of Reversible Logic based Single Precision Floating Point Multiplier for FFT" International Journal of Applied Engineering Research", Research India Publications, Vol. 10 No.1 (2015) pp. 157-162 [ISSN 0973-4562] SI No.8565 in Anx.II.
25. Smitha P , Varghese Paul, Marichamy P, Sujathan K , Benshi N Jalal, "Scoring of HER2 Expression from Immunohistochemistry Images of Breast Cytology" International Journal of Applied Engineering Research 01/2015; 10(70). [ISSN 0973-4562].

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27. A.Kamaraj, P.Marichamy, C.KalyanaSundaram, “Design and Implementation of A Reversible Logic Based 8-Bit Arithmetic And Logic Unit”, International Journal of Computers and Applications, ACTA PRESS, Vol 36, No.2, pp. 49-55, 2014. [ISSN: 1206212X] SI No. 8705 in Anx-II.
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30. C.KalyanaSundaram, M.Elango, P.Marichamy, “Implementation of Image Processing Algorithm Using Partial Dynamic Reconfiguration in FPGA”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol.3, Spl.Issue 3, PP 1457-1462, March 2014. [ISSN(E):2319-8753/ISSN(P):2347-6710]
31. Sangeetha.P, Marichamy.P, Guruprakash.B, “Performance of Multi-flow Wireless Multimedia Transmissions”, International Journal of Advanced Research in Computer Science and Technology (IJARCST), Vol.2, Issue Special-1 No.21, pp. 190-195, Jan-March 2014.
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