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#### **Last Five Years Publications List:**

1. K. N. Madhusudhan and P. Sakthivel, "Combining Digital Signature with Local Binary Pattern-Least Significant Bit Steganography Techniques for Securing Medical Images", Journal of Medical Imaging and Health Informatics, published by American Scientific Publishers. Vol. 10, pp. 1288-1293 (2020).
2. S. Lokesh, P. Sakthivel and O. Uma Maheswari, "Power Transition X Filling Based Elective Huffman Encoding Technique for Test-Data Compression and Scan Power Reduction for SOCs", Microprocessors and Microsystems, published by Elsevier. (2019).
3. S. Lekashri and P. Sakthivel, " Design and evaluation of dynamic partial reconfiguration using fault tolerance in asynchronous FPGA", Microprocessors and Microsystems, published by Elsevier. Vol. 71, pp. 1-11 (2019).
4. S. Lekashri and P. Sakthivel, "Lossless Image Compression for Low Memory Using Dynamic Partial Reconfiguration in Asynchronous FPGA", Journal of Advanced Research in Dynamical & Control Systems, Vol. 11, Issue 2, pp. 298-307 (2019).
5. P. R. Karthikeyan and P. Sakthivel, "Entropy Based Illumination-Invariant Foreground Detection", IEICE Transactions on Information Systems, published by IEICE Information Systems Society. Issue 7, pp. 1434-1437 (2019).
6. C. Gokul, P. Sakthivel and P. R. Karthikeyan, "Minimization of Test Time in System On Chip Using Artificial Intelligence-Based Test Scheduling Techniques", Neural Computing and Applications, published by Springer. (2019).
7. C. Vijayalakshmi, P. Sakthivel and Anand Vinekar, "Automated Detection and Classification of Telemedical Retinopathy of Prematurity Images", Telemedicine and e-Health, published by MARY ANN LIEBERT, INC. . pp. 1-5 (2019).
8. C. Gokul, P. Sakthivel and P. R. Karthikeyan, "Test Scheduling for System On Chip Using Modified Firefy and Modified ABC Algorithms", SN Applied Sciences, published by Springer Nature. (2019).

9. P. R. Karthikeyan, P. Sakthivel and T.S. Karthik, "Comparative Study of Illumination-Invariant Foreground Detection", The Journal of Supercomputing, published by Springer Nature. (2018).
10. C. Gokul, P. Sakthivel and P. R. Karthikeyan, "Firefly and Modified Ant Colony Optimization Technique for Test Scheduling and Reduction of Testing Time for Core based System-on-Chip (SoC)", Taga Journal, published by SWANSEA PRINTING TECHNOLOGY LTD. Vol. 14, pp. 743-751 (2018).
11. S. Uma and P. Sakthivel, "Hardware Evaluation and Software Framework Construction for Performance Measurement of Embedded Processor", Journal of Computational and Theoretical Nanoscience, published by American Scientific Publishers. Vol. 15, pp. 1-9 (2018).
12. B. Arunsundar, P. Sakthivel and E. Natarajan, "Analysis of Energy Consumption and Latency in Advanced Wireless Networks Through DRX Mechanism", The Journal of Supercomputing, published by Springer. pp. 1-23 (2018).
13. S. Skylakha, P. Sakthivel and K. S. Arunselvan, "Empirical Study on Application of Machine Learning Techniques for Resource Allocation in Health Care Using KPI", The Journal of Supercomputing, published by Springer. pp. 1-9 (2018).
14. B. Gomathi, P. Sakthivel, "Fusion of Hybrid Optimization Algorithm and Fuzzy set for enhancing Information Retrieval using clustering", International Journal of Advanced Research in Computer Science Special, published by I C T Academy. Vol. 9, Issue 1, pp. 104-106 (2018).
15. KS Thivya, P. Sakthivel, "Analysis of Framelets for the Microcalcification", Proceedings of International Conference on Computer Vision and Image, published by Springer, Singapore. pp. 11-21 (2017).
16. S. Sridevi and P. Sakthivel, "Design Considerations of Modeling and Simulation Framework and Validation of Continuous Process Training Model in a Rotary System", Advances in Mechanical Engineering, published by SAGE. Vol. 9, Issue 10, pp. 1-15 (2017).
17. S. Lokesh, O. Uma Maheswari and P. Sakthivel, "Test Data Compression for Digital Circuits Using Tetrad State Skip Scheme", Design Automation of Embedded Systems, published by Springer. Vol. 21, pp. 197-211 (2017).
18. D. Sivasankar and P. Sakthivel, "Enhancing Quality of Service in Real Time Communication Services for Network on Chip", International Journal of Electronics Engineering Research, Vol. 9, Issue 2, pp. 233-240 (2017).
19. S. Sridevi and P. Sakthivel, "Real-Time Simulation Design for Continuous Process Industries", Lecture Notes in Electrical Engineering, published by Springer. Vol. 403, Issue 7, pp. 83-98 (2017).
20. S. Bhanumathi and P. Sakthivel, "Indian Medicinal Plants for Diabetes: Text Data Mining the Literature of Different Electronic Databases for Future Therapeutics", Biomedical Research, published by Biomedical Research. pp. 430-436 (2016).
21. T. Kalavathidevi, P. Sakthivel, "Design and FPGA Implementation of Bit Level Pipelined Digit Serial", Asian Journal of Information Technology, Vol. 15, Issue 7, pp. 1232-1242 (2016).

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23. B Gomathi, P Sakthivel, " Implementing Fusion to Improve the Efficiency of Information Retrieval Using Clustering and Map Reduction", Artificial Intelligence and Evolutionary Computations in Engineering Systems, pp. 879-884 (2016).
24. Akilandeswari and P. Sakthivel, "Fast Architecture Multiplier Less Based DWT", Asian Journal of Information Technology, published by Medwell Journals. Vol. 15, Issue 17, pp. 3196-3204 (2016).
25. R. Benschwartz and P. Sakthivel, "A Process Variation Tolerant OTA Design for Low Power ASIC Design", Circuits and Systems, published by Scientific Research Publishing. Vol. 7, pp. 956-970 (2016).
26. K. S. Thivya, P. Sakthivel and P. M. Venkata Sai, "Analysis of Framelets for Breast Cancer Diagnosis", Technology and Health Care, published by IOS Press. Vol. 24, pp. 21-29 (2016).
27. S. Bhanumathi and P. Sakthivel, "A Review of Recent Advances in Privacy Preservation in Health Care Data Publishing", International Journal of Pharma and Bio Sciences, Vol. 7, Issue 4, pp. 33-41 (2016).
28. S. Bhanumathi and P. Sakthivel, "A Framework of Protein-Drug Association for Malaria by Text Data Mining of Biomedical Literature", Research Journal of Pharmaceutical, Biological and Chemical Sciences, Vol. 7, Issue 4, pp. 1493-1499 (2016).
29. S. Bhanumathi and P. Sakthivel, "Preservation of Private Information using Secure Multi-party Computation", Indian Journal of Science and Technology, Vol. 9, Issue 14, pp. 1-6 (2016).
30. B. Gomathi and P. Sakthivel, "Enhancing Information Retrieval Process Using Data Fusion by ABC Weighted Based Fuzzy Retrieval in Health Care Analytic Software", Journal of Medical Imaging and Health Informatics, published by American Scientific Publishers. Vol. 6, pp. 1-6 (2016).