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JOURNAL PUBLICATIONS:

International Journals:
Year 2015-2016:

1. R. Indumathy and S. Uma Maheswari, "An adaptive particle swarm optimization algorithm for solving DNA fragment assembly problem" Current Bioinformatics. Vol. 10, No. 1, pp. 97-105, 2015.

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4. Puvaneswari G & UmaMaheswari S, 'Multiple Parametric Faults Detection in Linear Analog circuits based on Test Vectors and Statistical Threshold', International Journal of Applied Engineering Research, 2015, vol.10, no. 8, pp. 20475-20488, ISSN : 0973-4562.

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13. B.Premalatha, Dr.S.Umamaheswari, "Attractive and Repulsive Particle Swarm Optimization Algorithm based Wire length Minimization in FPGA Placement", International Journal of VLSI Design and Communication systems(IJVDCS), ISSN : 2322-0929, IF 2.0124, Vol.03, Issue 04, July-2015.

14. B.Premalatha, Dr.S.Umamaheswari, "Cucko Search Optimization Algorithm based Hardware task placement and Routing in CAD of FPGAs design flow", Indian Journal of Science and Technology, Vol.09, Issue 06, February, 2016.

15. Saranya R & Uma Maheswari S 2015, 'A New Approach for Follicles Detection from Ovarian Images Research on Medical Imaging', Journal of Pure and Applied Microbiology, vol. 9, pp. 31-36, 2016. Published Online, (Annexure I). IF – 0.073

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25. Ms.A.Anitha, Dr. S. Uma Maheswari,Diabetic Retinopathy Detection Using Local Ternary Pattern", International Journal of Biomedical Engg. And Technology, ISSN/ ISBN:1752-6418, Dec 2017.

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26. M.Prabhavathy, S.Uma Maheswari, "Pigeonhole Malicious Attack on Big Data using Automated Distributed stochastic Neighbor Embedding (T-Sne)", International Journal of Scientific & Technology research, Vol.8, Issue 10, pp. 1361 – 1366, October 2019.

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International Conferences:

1. A.Archana and Dr. S. Uma Maheswari," Analysis of DICE Latch Based shift register" in IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT'16) organized by Noorul Islam University, Nagerkoil, on 18th March 2016.

2. T.Shunbaga Pradeepa T and S.Uma Maheswari S, "Analysis of Faults in an n-bit self checking register", in TEQIP-III Sponsored First International Conference on Secure Reconfigurable Architectures & Intelligent Computing (SRAIC 2019), Department of Electronics and Communication Engineering, NIT, Trichy, during 28-30th November, 2019.

3. M. Prabhavathy & S. Uma Maheswari, "Remote Network Injection Attack Using X-Cross API", in the International Conference on Emerging Trends in Computing and Expert Technology. COMET 2019.

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Year 2016-2017:

5. Sowmiya J and Dr. S. Uma Maheswari, "Improvement of Linearity in Integrator Circuits using Switched Capacitor" National Conference on Innovations and Emerging Technologies for Future Smart Cities (NCIETFSC'17), Organized by Department of Electronics and Communication Engineering, CIT, Coimbatore during 6th– 7th April 2017.

BOOK CHAPTER PUBLICATION:

1. M. Prabhavathy S. Uma Maheswari, "Remote Network Injection Attack using X-Cross API", Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT), vol. 35. Springer, Cham, 2019.