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LIST OF PUBLICATIONS

1. Saranya C.P, Nagarajan N, “Efficient agriculture yield prediction using metaheuristic optimized artificial neural network using Hadoop framework”, Soft Computing, Springer, ISSN 1432-7643, January 2020.
2. Nithya Roopa. S & Nagarajan. N , ‘Efficient Semi-Supervised Learning and Sparse Structural Learning for Feature Selection of Leukemia’, International Journal of Medical Imaging and Health Informatics vol. 10, (E-ISSN: 2156-7026, print ISSN: 2156-7018), 2020
3. Deepa N.R, Nagarajan N, “Kuan noise filter with hough transformation based Re weighted linear program boost classification for plant leaf disease detection” journal of ambient intelligence and humanized computing, springer, May 2020
4. A.Devipriya, N.Nagarajan, “A Novel Method Of Segmentation and Classification For Mediation in Health Care Systems” Springer – Journal of Medical Sytem, Vol 42, no 10, 2018
5. D.Brindha, N.Nagarajan, “An Efficient Automatic Segmentation of Spinal Cord In MRI I mages Using Iterative Random Walker (RW) With Artificial Bee Colony (ABC) Algorithm” Springer 2018
6. K.V.Rukmani, N.Nagarajan “Enhanced Channel Allocation Scheme For Cross Layer Management in Wireless Network Based on Interference Management” Springer 2018
7. Rukmani K.V,Dr.N.Nagarajan, “Improved Channel Utilization with energy efficiency in wireless networks”, Asian Journal of Research in Social Sciences in Humanities,2017
8. Gopinath S., and Nagarajan N., “Fuzzy Logis based Reliable Multicast Routing protocol for MANET’ , International Conference on Technological Convergence for Information, Health, Food and Energy Security, Council of Scientific and Industrial Research, Chennai, May 1 & 2,2015,ISBN-978-93-85517-006,pp.164
9. Ms. V.Arthi, Dr.N.Nagarajan & Ms.R.Ramya, 2015, ‘Adaptive Double Threshold Scheme for Energy Detection Based Spectrum Sensing in Cognitive Radio

Networks', Proceedings of International Conference on Electrical, Instrumentation and Communication Engineering Recent Trends and Research Issues.

10. Ms. V.Arthi, Dr.N.Nagarajan & Mr.R.Pradeepkumar, 2015, 'An Improved Energy Detection Scheme for Cognitive Radio Networks using Welch's Periodogram', Proceedings of International Conference on Electrical, Instrumentation and Communication Engineering Recent Trends and Research Issues.
11. Thirumal, P C & Nagarajan N 2015, 'Utilization of data mining techniques for diagnosis of diabetes mellitus- case study' , ARPN Journal of Engineering and Applied Sciences, vol.10 , no. 1, pp.8-13
12. Shanthi K.G., Nagarajan N,'Area-Effient and Low Latency Archietecture for High speed FIR Filter using Distributed Arithmetic',ICIC Express Letters Part B:Applicatiojns,vol. 6,no.8,August 2015
13. Arthi Velusamy, Nagarajan Nanjundan & Praveen Chakkravarthy, 2015 'Performance Analysis of Adaptive Double Threshold Energy Detection Technique in Cognitive Radio Networks', International Journal of Applied Engineering Research, vol.10, no. 4, pp. 9877-9884.
14. V.Arthi, N.Nagarajan & S. Praveen Chakkravarthy, 2015, 'The Performance Analysis of Optimal Adaptive Threshold Control In Cognitive Radio Networks', International Journal of Applied Engineering Research, vol. 10, no. 10, pp. 27121-27128.
15. Gopinath S., and Nagarajan N., "Energy based Reliable Multicast Routing Protocol for Packet Forwarding in MANET" Journal of Applied Research and Technology, 13.3 (2015): 374 – 381.
16. Gopinath S., and Nagarajan N., "An Optimized Multicast Backbone Routing for Increasing Residual Energy in MANET", *Indian Journal of Science and Technology*, 8.13 (2015): 1-9
17. Gopinath S., and Nagarajan N., "Multicast Route Stability based Intrusion Detection System for MANET", International Journal of Applied Engineering Research, vol. 10,no. 12,pp. 31983-31998
18. Satish kumar D.,Nagarajan N., "An improved key management scheme with high security in wireless sensor networks", Springer 2014
19. Dr.N.Nagarajan Gopinath S., "An Optimized Multicast Backbone Routing for Increasing Residual Energy in MANET", *Indian Journal of Science and Technology*,2015

20. S.Praveen Chakkravarthy, N.Nagarajan & V.Arthi (2014), 'Modelling a Dynamic Resource Allocation Scheme for Broadband Wireless Communication Systems', Proceedings of International Conference on Devices, Information, Signal Processing and Communication, pp 140 – 146.
National Conference
21. **S.Praveen Chakkravarthy**, N.Nagarajan & V.Arthi (2014), 'A Dynamic Decoding and Scheduling Procedure for Multicarrier CDMA Systems', Proceedings of National Conference on Electronics, Information and Communication Systems, pp. 88 – 94.
22. Ramya.S, Nagarajan N, Kaarthick.B, 2014,'A Mathematical Routing Model for Broadband Wireless Communication Networks', International Conference on Devices, Information, Signal Processing and Communication,DISC-14,vol.1,no.1,pp.256-261.
23. Thirumal, P C & Nagarajan N 2014,'Applying average K nearest neighbor algorithm to detect type-2 diabetes', Australian Journal of Basics & Applied Sciences, vol. 8, No. 7, pp.128-134.
24. Thirumal, P C & Nagarajan N 2014,' Modernized frameworks for type-2 diabetes Prediction', International Journal of Applied Engineering Research, vol. 9,no. 23,pp. 19089-19100.
25. Shanthi K.G., Nagarajan N., and Kalieswari C., "FPGA Realization of High Speed FIR Filter based on Distributed Arithmetic", International Journal of Engineering and Technology, 6.3, (2014): 1407-1414.
26. Shanthi K.G., Nagarajan N 2014,'High Speed and Area Efficient FPGA Implementation of FIR Filter using Distributed Arithmetic', Journal of Theoretical and Applied Information Technology, vol.62,no.3, pp.627-633.
27. Chakkravarthy, S. Praveen, N. Nagarajan, and V. Arthi. "A Novel Multiuser Interference Cancellation Method for Multicarrier Direct Sequence CDMA System using Maximum Likelihood Sequential Decoding." Journal of Theoretical and Applied Information Technology. 68.2 (2014): 388-396
28. Karpagam M., and Nagarajan N., "A Smart Scheduling Scheme with Voice Enhancement for Voice Services in LTE," Journal of Theoretical and Applied Information Technology, 65.2, (2014) 384 – 392.
29. Karpagam M., and Nagarajan N., "An effective Queuing Model Based Bandwidth Allocation Scheme for Fair QoS provisioning in LTE systems",Journal of Theoretical and Applied Information Technology,vol.65,no.2,pp. 504-514.

30. Lavanya R., Nagarajan N., and Nirmala Devi N., "False positive reduction in computer aided detection of mammographic masses using canonical correlation analysis." *Journal of Theoretical and Applied Information Technology* 59.1 (2014): 139-145.
31. Lavanya R., and Nagarajan N., "Information Fusion in CAD Systems for Breast Cancer Diagnosis Using Mammography and Ultrasound Imaging: A Survey." *Journal of Artificial Intelligence* 7.3 (2014): 113-122.
32. Lavanya R., and Nagarajan N., "Comparison of fusion schemes for two-view analysis of breast cancer using Mammograms", *International Journal of Advanced Computer Technology*, 3.4, (2014) 39-45.
33. Lavanya R., Nagarajan N., and Nirmala Devi M., "Multiview Mammographic CADx system based on correlation analysis", *International Journal of Graphics and image processing*, 4.3, (2014): 3245-250.
34. Lavanya R., Nagarajan N., and Nirmala Devi M., "Computer aided diagnosis of breast cancer by hybrid fusion of ultrasound and mammogram features", *Artificial Intelligence and Evolutionary algorithms in Engineering Systems, Proceeding of ICAEES 2014, vol.2- Published in Springer Series "Advanced in Intelligent Systems and computing", vol.325*
35. Chandrasekaran V., and Nagarajan N., "A Hybrid CAC Scheme for Effective Allocation in IEEE 802.16 Wireless Networks", *Journal of Theoretical and Applied Information Technology*, 61.2, (2014): 437-446
36. Chandrasekaran V., and Nagarajan N., "A Cross Layer Scheduling Scheme for WiMax", *Journal of Theoretical and Applied Information Technology*.
37. Ramya.S, Nagarajan.N, Kaarthick.B, "Integrated EPON-LTE Network DBA Algorithm's Real Time Performance Analysis Using Network Processors", *International Journal of Engineering Research & Technology (IJERT)*, Vol. 2 Issue 12, December – 2013, ISSN: 2278-0181.
38. Ramya.S, Nagarajan N, Kaarthick.B, "QoS Assured Dynamic Bandwidth Allocation In Epon-LTE Networks", *Journal of Theoretical and Applied Information Technology*, ISSN: 1992-8645, 31st December 2013. Vol. 58 No.3.
39. Ramya.S, Nagarajan N, Kaarthick.B, "Real Time Performance Analysis of DBA algorithm using Network processors", *International Journal on Information Techmology*, Vol.1, no.6, pp.331-338.

40. Ramya.S, Nagarajan N, Kaarthick.B, "A Novel Framework for Distributed Dynamic Bandwidth Allocation in EPON WiMAX Networks", *International Journal of Engineering and Technology (IJET)*, ISSN: 0975-4024, Vol 5 No 6 Dec 2013-Jan 2014.
41. Shanthi K. G., and Nagarajan N., "Memory based hardware efficient implementation of FIR Filters." *International Review on Computers and Software (IRECOS)* 8.7 (2013): 1718-1733.
42. Satish Kumar D., and Nagarajan N., "Relay technologies and technical issues in IEEE 802.16j Mobile Multi-hop Relay (MMR) networks." *Journal of Network and Computer Applications* 36.1 (2013): 91-102.
43. P.Rajeshwari and Dr.N.Nagarajan, "Network traffic modelling and flow analysis using FPGA, ARCHIVES DES SCIENCES, Vol.66.No.3, pp 68-82, 2013
44. P.Rajeshwari and Dr.N.Nagarajan, "Real Time Network Traffic Monitoring using FPGA", *International Reviews on Computers and Software (IRECOS)*, vol.8, No.6, pp. 1658-1662, 2013 (SNIP 2011-0.486).
45. Gnana Sundari P., and Nagarajan N., "On the Design of Space-Time Trellis Codes for Cooperative Networks" *Journal of Applied Sciences Research* 8.1: (2012) 224-230
46. S.Praveen Chakkravarthy, N.Nagarajan & V.Arthi (2012), 'Adaptive Equalization of BER in Multicode Multicarrier Direct Sequence CDMA system', *European Journal of Scientific Research*, vol.77, no.4, pp.508 – 513.
47. Shanmugavadivu R., and Nagarajan N., "Learning of Intrusion Detector in Conceptual Approach of Fuzzy Towards Intrusion Methodology." *International Journal of Advanced Research in Computer Science and Software Engineering* 2.5 (2012). 246 – 250.
48. Satish Kumar D., and Nagarajan N., "A new adaptive model for throughput enhancement and optimal relay selection in IEEE 802.16j networks." *WSEAS TRANSACTIONS on COMMUNICATIONS* 11.2 (2012): 82-90.
49. Ravikumar G., and Nagarajan N., "Effective Power Optimization for Disk Based Systems using Neural Networks." *European Journal of Scientific Research* 68.3 (2012): 400-411.
50. Ravikumar G., and Nagarajan N., "An Improved Compiler Directed Power Optimization for Disk Based Systems using Back Propagation Neural Networks."

Bonfring International Journal of Software Engineering and Soft Computing 2.1 (2012): 12-19.

51. Ravikumar G., and Nagarajan N., "A fuzzy neural network based compiler directed power optimization for disk based systems with modified LM Training", International Journal of soft computing voll.7, No.1, pp.283-293, 2012
52. P.Rajeshwari and Dr.N.Nagarajan, " An FPGA based hardware architecture for network flow analysis, "European Journal of Scientific Research, Vol.83, pp.338-343, 2012(SNIP 2011-0.493)
53. H.K.Reshma Ramesh and Dr.N.Nagarajan, "Fault Detection Scheme for AES using Optimization Technique for Mix Column", International Journal of Computer Science Issues, Vol.9, Issue 4, No.3, July 2012, pp.354-360.