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**LIST OF PUBLICATIONS**

1. P.Priya and **J. Senthilkumar**,”Level Orient Density Estimation Technique Based Cluster Formation To Improve The Performance Of LEACH For Lifetime Maximization Of Wireless Sensor Networks Using Particle Swarm Optimization”, International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 2 (2015) pp. 2521-2529. **(Scopus)**
2. R.Snega **and J.Senthilkumar** ”, Detection And Healing Of Holes In Wireless Sensor Network”, International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ,ISSN: 0976-1353 Volume 13 Issue 4 –PP 380-385,MARCH 2015..
3. M. Lakshmi and **J. Senthilkumar** ”, Optimized Vector Quantization for Bayer Color Filter Array”, World Academy of Science, Engineering and Technology ,International Journal of Computer, Electrical, Automation, Control and Information Engineering Vol:9, No:6,pp 1566-1572,Dec 2015.**(Scopus)**
4. M. Lakshmi , **J. Senthilkumar** , Y. Suresh”, Visually lossless compression for Bayer color filter array using optimized Vector Quantization”, Applied Soft Computing,Elsevier,Volume 46 Issue C, Pages 1030-1042, September 2016. **(Impact Factor :2.86) –SCI Journal**
5. **Dr.J.Senthilkumar**, Dr.Y.Sureshand .S.S.Aravinth,” A Study Of Minimal Exposure Problems And Comparative Analysis Of Various Proposed Models For Wsns”, International Journal of Advanced Research in Management, Architecture, Technology and Engineering (IJARMATE) Vol. 2, Special Issue 14, April 2016.
6. P. Priya and **J. SenthilKumar** ”, Region Proximity Approximation Based Cluster Head Selection Approach for Lifetime Maximization of Wireless Sensor Networks”, International Journal of Printing, Packaging & Allied Sciences, Vol. 4, No. 1, Pp694-705, December 2016 . **(Scopus).**

7. Iyyanar P and **Senthilkumar J** “Effective and secure video streaming based on modified SRTP using AES-CFB encryption” International Journal of Advanced Engineering and Technology (IJAET) ISSN:Vol.8 Issue:2, April 2016. **(Scopus)**
8. Preethi.S. J and **Senthilkumar J** , “IoT Based Secure Healthcare System using BSN ”, in International Journal of Science and Engineering Research (IJSER), ISSN: 2229-5518, Vol 7, Issue 10, October 2016.
9. J. Gokulraj, Dr. **J. Senthilkumar**, Dr. Y. Suresh “Distributed Data Storage Scheme and Efficient Way to Process Data in Wireless Sensor Network”International Journal of Scientific Research in Computer Science, Engineering and Information Technology Volume 2, Issue 4 ISSN : 2456-3307, pp 348-351, Aug 2017.
10. Susaritha and **J.Senthilkumar** “ A survey on Architectural modifications for improving performance of devices using FINFET techniques.”, International Research journal of Engineering and Technology,Vol.4,Issue 7,July 2017.
11. Preethi.S.J and **SenthilKumar.J** “IoT Based Secure Healthcare System using BSN”, in International Journal for Research in Science, Engineering and Technology (IJRSET), ISSN: 2394-739X, Vol. 4, Issue 4, April 2017.
12. Tamilselvi, **Dr.J.Senthilkumar**, Y.Suresh “Design of an Efficient VLSI Architecture for Adaptive Filter Using Systolic Architecture” Jour of Advanced Research in Dynamical & Control Systems,Vol. 10, 05-,Pp 1191-1197,Apr, 2018 **(Scopus Indexed Journal )**
13. B. Ramesh, **J. Senthilkumar**, Y. Suresh, V. Mohanraja A Review and Survey on PAPR Reduction Techniques in OFDM System International Journal of Emerging Technologies in Engineering Research (IJETER) Volume 6, Issue 11, November 2018
14. Mouliraj.V , Mohanraj.V , **Senthilkumar.J** , Suresh.Y , Shanmugaraja.P “Eye Direction Based Safety Navigation System for Physically Challenged Person” International Journal of Advanced Research in Computer and Communication Engineering, Vol. 8, Issue 1, January 2019

15. B.Saravanan, V.Mohanraj, **Dr.J.Senthilkumar** “A fuzzy entropy technique for dimensionality reduction in recommender systems using deep learning” Soft Computing –Springer Vol. 23, No. 8, pp.2575-2583, April 2019 (**SCI-Journal, Impact Factor :2.367**)
16. GopalakrishnanSriraman J. Senthil Kumar “Driving Secure Collaboration and E2e Transparency With Implementation of Tools In Large Scale Agile Software Development Life Cycle”, Pramana Research Journal, Volume 9, Issue 4, Pages 832-847, 2019
17. S.S Aravinth, **J. Senthilkumar**, Y. Suresh, V. Mohanraj“A hybrid swarm intelligence based optimization approach for solving minimum exposure problem in wireless sensor networks” in concurrency and computation, Wiley Publishers ,<https://doi.org/10.1002/cpe.5370> ,June 2019 (**SCI- Journal, Impact Factor :1.167**)
18. B. Ramesh, **J. Senthilkumar**, Y. Suresh, V. Mohanraj“Constrained pattern extension algorithm based peak power reduction techniques for MIMO-OFDM applications” in Computer Communications , Elsevier, vol 148, Pages 42-47, December 2019 (**SCI- Journal , Impact factor : 2.766**)
19. S.S.Aravinth, **J.Senthilkumar**, V.Mohanraj, Y.Suresh “An Improved Artificial Bees Colony Algorithm to Solve Minimal Exposure Problem in Wireless Sensor Networks” International journal of Innovative and Exploring Engineering (TM) Vol. 9, Issue 1, pages 1764-1771 Nov2019(**Scopus Indexed Journal**)
- 20.Y Suresh, T Kalaivani, J Senthilkumar, V Mohanraj BF 2 VHDR based dynamic routing with hydrodynamics for QoS development in WSN , Mathematical Biosciences and Engineering , AIMS press Vol.17 (1), page 930-947 Nov 2019 – SCI
21. J Gokulraj, J Senthilkumar, Y Suresh, V Mohanraj Data consistency matrix based data processing model for efficient Humanized Computing Springer Heidelberg, 2020/5/14(**SCI – Impact factor 1.91**)
- 22.D Karthikeyan, V Mohanraj, Y Suresh, J Senthilkumar Hybrid Intrusion Detection System Security Enrichment Using Classifier Ensemble Journal of Computational and Theoretical Nanoscience 17 (1), 434-438 , 2020(**Scopus Indexed Journal**)

23. S Roshni, J Senthilkumar, Y Suresh, V Mohanraj Advertisement valid time triggered firefly and fruit-fly inspired approach for efficient cluster formation and standby CH selection in hierarchical wireless sensor networks Journal of Ambient Intelligence and Humanized Computing, Springer page 1-17, 2020 **(SCI)**
24. MH Kumar, V Mohanraj, Y Suresh, J Senthilkumar, G Nagalalli Trust aware localized routing and class based dynamic block chain encryption scheme for improved security in WSN Journal Of Ambient Intelligence And Humanized Computing ,Springer Heidelberg 2020/4/30 **(SCI – Impact factor 1.91)**
25. S Anusha, V Mohanraj, Y Suresh, J Senthilkumar Cooperative spectrum sensing in wireless sensor networks using forager bee's intelligence Journal Of Ambient Intelligence And And Humanized Computing ,Springer Heidelberg 2020/4/30 **(SCI – Impact factor 1.91)**
26. J. Gokulraj J. Senthilkumar, Y. Suresh, V. Mohanraj, "Driven Node Based Leach Protocol in Wireless Sensor Networks," International Journal of Advanced Science and Technology, Vol. 29, No. 5, (2020), pp. 8383-8392, June 2020. **(Scopus)**