

## Annexure -II

### Papers published in International Journals during last 5 years

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### 2016

1. V.Saravanan and **V.Mohanraj**, “Maximizing QoS by Cooperative Vertical and Horizontal Handoff for Tightly Coupled WiMAX/WLAN Overlay Networks”, Cluster Computing –The Journal of Networks, Software Tools and Applications”, Springer Journal, DOI: 10.1007/s10586-016-0601-x, 2016. **[Impact Factor – 2.0]**
2. V.Saravanan and **V.Mohanraj**,” A Seamless Mobile Learning and Tension Free Lifestyle by QoS Oriented Mobile Handoff”, Asian Journal of Research in Social Sciences and Humanities”, Vol. 6, No. 7, pp. 374-389, 2016. **[Scopus Indexed]**
3. S.Anusha and **V.Mohanraj**, “Dynamic Spectrum Access in Cognitive Radio Wireless Sensor Networks using different spectrum sensing techniques”, International Journal of Applied Engineering Research, Vol. 11, No. 6, pp. 4044-4048, 2016. **[Scopus Indexed]**
4. S. Sivanantham and **V. Mohanraj**, “Review Framework for Hybrid Approaches to Outlier Detection in Wireless Sensor Networks”, Middle-East Journal of Scientific Research, Vol. 24, No. 4, pp. 1025-1032, 2016. **[Scopus Indexed]**
5. M.Pradeepa and **V.Mohanraj**, “Achieving effective keyword ranked search by using TF-IDF and cosine similarity”, International Research Journal of Engineering and Technology, Vol. 03, No. 04, pp.124-130, 2016.

## **2017**

6. 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.
7. 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.
8. 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.

## **2018**

9. 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** )
10. B. Ramesh, J. Senthilkumar, Y. Suresh, **V. Mohanraj** “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

## **2019**

11. 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.
12. 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**).

13. 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
14. 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**)
15. 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**)
16. 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**)
17. 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

## **2020**

18. 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**)
19. 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**)
20. 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)
21. 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**)
  22. 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**).
  23. TamilselviManoharan, J. Senthilkumar, **V. Mohanraj**, Y. Suresh “FPGA Implementation of a New Adaptive Filter Based on Robust Mixed Norm and Swarm Intelligence”, Solid State Technology,Vol. 63, No. 6 ,PP 2372-2384,2020.(SCI indexed
  24. B Prasad, J Senthilkumar, Y Suresh, **V Mohanraj**“Requisite Monitoring Sensors For Algae Cultivation System - A Review”, Journal of Seybold Report, Volume 15 - Issue 9, PP: 1074-1079,2020