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Area of Specialization: WSN, Image Processing, Deep Learning

Journal Publications Details	
Year of publication	Title
2020	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)
2020	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)
2020	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)
2020	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)
2020	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)
2020	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)
2019	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
2019	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)
2019	Gopalakrishnan Sriraman 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
2019	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)
2019	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)
2019	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)
2019	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
2018	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)
2018	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
2017	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.
2017	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.
2017	Preethi.S.J and Senthil Kumar.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.
2016	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
2016	Dr.J.Senthilkumar , Dr.Y.Suresh and .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.

2016	P. Priya and J. Senthil Kumar ", 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).
2016	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)
2016	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.
2015	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)
2015	R.Snega and J.Senthil kumar ", 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..
2015	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)
2014	Parithimar Kalaignan. T, Senthil Kumar. J, Suresh.Y", PSO and GA Based Performance Optimization of PI Controller in Three Phase Shunt Hybrid Filter", International Journal of Engineering Research & Technology (IJERT) ISSN 2278-0181,Vol 3.No:8,Aug 2014.
2014	T. Parithimar Kalaignan , Senthil Kumar. J and Y. Suresh", A Novel Dissociated Current Control Technique for Harmonic Minimization in Non-Linear Loads", International Review on Modelling and Simulations (I.RE.MO.S.), ISSN 1974-9821 Vol 1.No:1,FEB 2014. (Scopus)
2014	P.Priya and J. Senthilkumar ,"ASH-HEED Protocol for Heterogeneous Wireless Sensor Networks", International Journal of Innovative Research in Computer and Communication Engineering, ISSN(Online): 2320-9801, Vol.2, Special Issue 5, October 2014
2014	A. Santhosh and J. Senthil Kumar ", Tracing the Adversaries using Packet Marking and Packet Logging", International Journal of Computer Science and Business Informatics, ISSN: 1694-2108 .PP 86-100, Vol. 13, No. 1. MAY 2014
2013	T. Parithimar Kalaignan, J. Senthilkumar , Y. Suresh", A Novel Dissociated Current Control Technique for Harmonic Minimization in Non-Linear Loads", International Review on Modelling and Simulations (I.RE.MO.S.), ISSN 1974-9821 Vol 7.No:1,FEB 2013.- SCOPUS

2012	Mohanraj V., Chandrasekaran M., Senthilkumar J. , Suresh Y. and Arumugam S. "Ontology Driven Bee's Foraging Approach based Self Adaptive Online Recommendation System", Journal of Systems and Software, Elsevier, Vol.85, No.11, pp.2439-2450, Nov 2012. (Impact Factor :1.17) – SCI Journal.
2012	Senthilkumar J., Chandrasekaran M., Suresh Y. , Arumugam S. and Mohanraj V. "Advertisement Timeout Driven Bee's Mating Approach to maintain fair energy level in Wireless Sensor Network", Applied Soft Computing, Elsevier, Vol. 12, pp. 1884-1890, 2012. (Impact Factor :2.86) –SCI Journal
2011	Senthilkumar J., Chandrasekaran M., Suresh Y. , Arumugam S. and Mohanraj V. "Advertisement Timeout Driven Bee's Mating Approach to maintain fair energy level in Wireless Sensor Network", Applied Soft Computing, Elsevier, Vol. 11, pp. 4029-4035, 2011. (Impact Factor :2.86) –SCI Journal
2011	Mohanraj V., Chandrasekaran M., Senthilkumar J. , Suresh Y. and Arumugam S. "An Ontological Framework for Improving the Online Recommendation System Using Bees Intelligence", European Journal of Scientific Research, Vol. 52, No. 1, pp.23-37, 2011. (SCOPUS)
2011	Senthilkumar, J. and Chandrasekaran, M. "Improving the Performance of Wireless Sensor Network using Bee's Mating Intelligence", European Journal of Scientific Research, Vol. 55, No. 3, pp.452-465, 2011. (Scopus)
2010	Suresh Y., Arumugam S., Chandrasekaran M., Senthilkumar J. and Mohanraj V. "A QSPS-PSR Approach on Differentiated TCP flows on Internet Traffic", International Journal of Information Technology and Knowledge Management, Vol. 2, No. 2, pp.223-225, 2010.
2010	Senthilkumar J. , Suresh Y. and Mohanraj V. "Honey Bee Mating based Bound Time Approach for Energy minimization in Wireless Sensor Networks", International Journal of Computer Science and Information Security, Vol. 8, No. 2, pp.134-141, 2010.
2010	R.Lakshmipathi, M.Chandrasekaran, V.Mohanraj, J.Senthilkumar & Y.Suresh " An Intelligent Agent Based Talent Evaluation System Using A Knowledge Base" International Journal of Information Technology and Knowledge Management, Vol. 2, No. 2, pp.231-236, 2010.
2010	Lakshmipathi, R., Senthilkumar, J. , Mohanraj, V. and Suresh, Y. "Back up Cluster Head Determination in Wireless Sensor routing using supervisory selection Time Approach", International Journal of Information Technology and Knowledge Management, Vol. 2, No. 2, pp. 227-230, 2010.