

Profile:

Dr. Jayakumari J.
Professor,
Department of E.C.E,
Mar Baselios College of Engineering and Technology,
Nalanchira, Thiruvananthapuram,
Kerala-15
Email:- jkumaribharat@yahoo.com
Contact No.: 9442408881

PUBLICATION DETAILS

Year of Publication	Title
2019	Chandrakala and Jayakumari.J, "Mathematical modeling and analysis of Hierarchical modulation in AWGN and Rayleigh channel" International Journal of Wireless and Mobile Computing, Interscience publishers ,Vol.16,No.1,2019 [ISSN 1741-1092]
2019	Shahin M Abdulla and Jayakumari.J,"Degenerate unmixing estimation technique of speech mixtures in real environments using wavelets" International Journal of Electronics Letters, Taylor and Francis, June 2019
2019	Femina Jalin and Jayakumari.J,"A novel text to speech technique for Tamil language using hidden markov models" International Journal of Innovative Technology and exploring Engineering, August 2019
2018	Sreeja T.K.and Jayakumari. J ,,"Design and Analysis of Compact T Shape Slotted Patch Antenna for 4G WiMAX Applications" Int. J. Enterprise Network Management, Vol. 9, No. 1, 2018 (IJENM). [ISSN : 1748-1260]
2018	Chandrakala and Jayakumari.J, "An Efficient Hierarchical Modulation based OFDM transmission Scheme for digital video Broadcasting" International Journal of Engineering (IJE) Transactions A: Basics Vol. 31, No. 4, (April 2018) [ISSN: 1728-1431]
2018	Jayakumari.J and Rakhi K.J, "Efficient OFDM transceiver design for VLC systems in fading channel" International Journal of Engineering & Technology(UAE), 7 (1) (2018) 245-248 [ISSN: 2227-524X]

2017	Sowmy. I, J. Jayakumari ,” "An Efficient Radon Mapped Discrete Wavelet Transform Based Algorithm for MC-CDMA System." International Journal of Enterprise Network Management (IJENM), vol.8, No.2,pp.155-165,2017. [ISSN : 1748-1260]
2017	J.E.Judith and Jayakumari.J, “Distributed Document Clustering Analysis based on a hybrid method” China Communications, Vol: 14, Issue: 2, pp.131-142, February 2017 DOI: 10.1109/CC.2017.7868161,Publisher: IEEE [(ISSN 1673-5447)(SCI indexed)
2017	Sreeja T.K, B.C.Brightlin, S.Balamurugan and Jayakumari. J " Multiband Layered Patch Antenna Using Nanoengineered Dielectric Substrate, BaFe12O19" Advanced Science, Engineering and Medicine, Vol.9,No.2, Feb 2017(ASEM) [ISSN : 2164-6627]
2017	Jayakumari.J and Jane Sofia. J,”FPGA Implementation of concatenated LT and LDPC coder for Deep Space Applications” Far east Journal of Electronics & Communications vol 17 No:2 ,pp 409-422,2017 [ISSN 0973-7006]
2017	Dhanya G and J.Jayakumari,”Speech scrambling based on chaotic mapping and random permutationr for modern mobile communication systems” APTIKOM Journal on Computer Science and Information Technologies, Vol.2, No:1,2017 [ISSN:2528-2425]
2016	Dhanya G and Dr. J. Jayakumari “Improved OFDM based speech scrambler for next generation mobile systems”, Research Journal of Applied Sciences, Vol 11 No 5, Pages:224-228,2016 [ISSN : 1815-932X]
2016	A. Anitha and Jaya Kumari.J, " Rate Adaptation Schemes in WLANs " International Journal of Enterprise Network Management (IJENM), Vol.7, No.3,pp.191-206, 2016. [ISSN : 1748-1260]
2016	Ganesh R .S, Jayakumari J, "Performance Evaluation of DFT Based Channel Estimation in MIMO-OFDM System" International Journal of Enterprise Network Management (IJENM),vol. 7, no.2, pp.142-151,2016. [ISSN : 1748-1260]
2016	Sreeja T.K.,Stalin.A.J and Jayakumari. J "Performance analysis of single element and two elements U- shaped slotted patch multiband antenna for 4G Communication Systems" International Journal of Enterprise Network Management (IJENM), vol 7, no.2, pp.161- 171,2016. [ISSN : 1748-1260]
2016	Ganesh R .S, Jayakumari J, "An efficient pilot carrier channel estimation using genetic algorithm in 4G MIMO-OFDM System" ARPN Journal of Engineering and Applied Sciences, Vol.11, No:9,pp.5767-5772, May 2016 [ISSN:1819-6608]

2016	. A. Anitha and Jaya Kumari.J, " A guaranteed time and rate control method for improving QoS in WLAN "American Journal of Applied Sciences, Vol.13, no:3,pp.251-260, Mar 2016. [ISSN : 1554- 3641]
2016	K. S. Angel Viji and J. Jayakumari, “Modified Texture, Intensity And Orientation Constraint based Region Growing Segmentation Of 2D MR Brain Tumor Images” The International Arab Journal of Information Technology Vol.13,No:6A,pp.723-731, 2016. [ISSN:2309-4524] (SCI indexed)
2015	R. S. Ganesh and J. Jayakumari, “A Novel GA-Optimized DFT Channel Estimation in MIMOOFDM System,” International Journal of Control Theory and Applications, vol. 8, no. 5, pp. 2293– 2299, 2015 [ISSN : 0974-5572] .
2015	Vinila Jinny, S and Jaya Kumari. J "A Novel Mutual Feature CRF for Intrusion Detection System" International Journal of Enterprise Network Management (IJENM), Vol.6,No.4, 2015. [ISSN : 1748-1260]
2015	J.E.Judith and Jayakumari.J, “Distributed Document Clustering Algorithms: A Recent Survey” International Journal of Enterprise Network Management Vol. 6, No. 3, 2015, pp.207-221 [ISSN : 1748-1260]
2015	A. Anitha and J. Jaya Kumari,”A novel rate adaptation scheme for improving throughput in WLAN” International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 70 (2015) pp. 45-53
2015	A. Anitha and J. Jaya Kumari,”Vertical Handoff Scheme in Integrated WIMAX and WLAN Networks”, Advances in Intelligent and Soft Computing, Vol.325, pp. 513-520 Springer publication, 2015
2015	Vinila Jinny, S and Jaya Kumari. J “Encrusted CRF in Intrusion Detection System” Advances in Intelligent and Soft Computing, Vol.325,pp.605-613 Springer publication,2015.
2015	K. S. Angel Viji and J. Jayakumari, “Modified LBP Based Region Growing Segmentation of MR Brain Images” Lecture notes in Electrical Engineering, Vol 326, pp 1453-1465, Springer publication 2015.
2016	J.E.Judith and Jayakumari.J, “ An efficient hybrid distributed document clustering algorithm ”Scientific Research and Essays, Vol 10(1), pp.14-22, Jan 2015 [ISSN:1992-2248]