



St. Joseph's college of Engineering
Department of ECE
Staff Publication List
Academic Year: 2019-2020



Journal Publications

Sl. No	Publication details (Authors, Title, Journal, Volume, Issue, Pages, Year, ISSN, (DOI) etc.	Impact factor	SCI/ (Scopus)
1.	Dr.ShirleySelvan, Dr.Shenbaga Devi S and Dr. Suresh S, "Classification of Abnormal masses in Ultrasound Elastography breast images", Procedia Computer Science, 00(2019) 000-000.	-	Scopus H index 59
2.	Shirley Selvan , David Anthony Durand , Gowtham V, "Survey of the various techniques used for Smoke Detection using Image Processing in Lecture notes on data Engineering and Communication Technologies," Volume: 35, pp. 755-762, November 2019.	-	-
3.	Shirley Selvan, J Ferin Joseph and Dinesh Raj KT, "Sludge detection in marsh land:A survey", in Lecture notes on data Engineering and Communication Technologies,Volume: 35, pp. 1063–1075, November 2019.	-	-
4.	Kaliraja Thangamani, J Martin Leo Manickam and ChellaswamyChellaiah, (2019) "An experimentalStudy on photovoltaic module with optimum power point tracking method," International Transactions on Electrical Energy systems, Vol. 30, Issue. 1, pp.1-26 DOI: 10.1002/2050-7038.12175, (July)	1.314	SCI
5.	R Regan and J Martin Leo Manickam (2019), "An Optimized Energy Saving Model for Hybrid Security Protocol in WMN," National Academy Science Letters, Vol. 42, Issue 6, pp.489-501. (Feb)	0.331	SCI
6.	D Muruganandam and J Martin Leo Manickam, (2019), "Detection and Countermeasure of Packet Misrouting in Wireless Adhoc Networks," Sensor Letters, Vol.17, Issue 9, pp.696-700 (Sept)	-	-
7.	MV Karthikeyan, J Martin Leo Manickam, (2019), "ECG-Signal Based Secret Key Generation (ESKG) Scheme for WBAN and Hardware Implementation," Wireless Personal Communications, Vol. 106, No. 4, pp. 2037-2052. (Jun)	0.929	SCI
8.	D Muruganandam and J Martin Leo Manickam, (2019), "An efficient technique for mitigating stealthy attacks using MNDA in MANET," Neural Computing and Applications, Vol.31, issue 1, pp. 15-22.	4.664	SCI
9.	RM Gomathi, J Martin Leo Manickam (2019) "Energy Efficient Static Node Selection in Underwater Acoustic Wireless Sensor Network," Wireless Personal Communications, Pp.1-19.	0.929	SCI
10.	MV Karthikeyan, J Martin Leo Manickam, (2018), "Efficient Bio-Signal Feature Based Secure Secret Key Generation Scheme a Simplified Model for Wireless Body Area Network (EFSKG	0.499	SCI



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	Scheme),” Journal of Medical Imaging and Health Informatics, Vol.8, No. 5, pp. 863-871. (Jun)		
11.	P Julian, J Martin Leo Manickam, N Duraipandian, R Vinod Kumar (2018), “Energy-Efficient Multihop Cooperative Multiple-Input-Multiple-Output Communications in Wireless Ad Hoc/Sensor Networks,” Sensor Letters, Vol. 16, No. 12, pp.944-950.	-	-
12	E Anna Devi and J Martin Leo Manickam (2018), “Identifying Partitions in Wireless Sensor Network,” International Journal of Parallel Programming, pp. 1-14.	1.258	SCI
13.	Ramanujam Partharathy, Venkatesan P. G. R, Arumugam C. “Miniaturized low-pass filter design with wide stopband using complementary split-ring resonator,” Microw Opt Technol.Lett. 2019; 61:2832–2837. https://doi.org/10.1002/mop.31951	0.933	SCI
14.	Ramanujam P, Venkatesan P.G. R, Arumugam C. “Electromagnetic interference suppression in stacked patch antenna using complementary split ring resonator,” Microw.Opt.Technol.Lett. 2020;62:193–199. https://doi.org/10.1002/mop.31985 .	0.933	SCI
15	D. Lakshmi K. Palani Thanaraj M. Arunmozhi, “Convolutional neural network in the detection of lung carcinoma using transfer learning approach,” Int J Imaging Syst Technol. Volume 30, Issue 2, 2019;1–10. DOI: 10.1002/ima.22394	1.254	SCI
16.	R.Parthasarathy, P.G.V. Ramesh, A Chandrasekar and Manimaran P “Design of Compact Highpass Filter for 5G MM-Wave Applications using Complementary Split Ring Resonator” Frequenz-RF and Telecommunication Engineering, vol.74, Issue.5-6, 2020. https://doi.org/10.1515/freq-2019-0194	0.585	SCI
17	G. Brindha P. Ezhilarasi, “Energy efficient momento based dynamic scheduling for lifetime maximization in WSN,” Journal of Ambient Intelligence and Humanized Computing, ISSN:1868-5137, DOI 10.1007/s12652-020-02131-7.	-	Scopus H index 28
18.	Parthasarathy Ramanujam, Ramesh Venkatesan, PG, Chandrasekar Arumugam & Manimaran Ponusamy, ‘Design of Miniaturized Super wideband Printed Monopole Antenna Operating From 0.7 to 18.5 GHz,’ AEU-International Journal of Electronics and Communication, Vol.123, https://doi.org/10.1016/j.aeue.2020.153273 .	2.924	SCI
19.	Parthasarathy Ramanujam, Ramesh Venkatesan, PG, Chandrasekar Arumugam & Manimaran Ponusamy, ‘Design of Compact patch Antenna with Enhanced Gain and Bandwidth for 5Gmm-Wave Applications,’ IET-Microwaves, Antennas and Propagation (Accepted for Publication)	2.036	SCI
20	V. Vikram Gnanaraj, P. Ranjana, P. Thenmozhi Patient Monitoring	-	-



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	And Control System Using Internet Of Things,” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-6S3, April 2019		-
21	Dr. A. Swarnalatha, “Spectrum Resources Optimization in elastic Optical Networks using dynamic RMSA,” Caribbean Journal of science.	-	Scopus H index 31
22.	P. Ezhilarasi, S. Rajeshkannan, Kovendan. A K P, T. Sasilatha, K. R. Kayalvizhi “Damaged Number Plate Recognition,” International Journal of Engineering and Advanced Technology, ISSN: 2249 – 8958, Volume-9, Issue-1S2, December 2019.	-	-
23.	Preshanth A.R., Rufus Samuel, B. Vasudevan “Water Monitoring System using Unmanned Surface Vehicle,” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-6, April 2020	-	-
24.	S. Malathy, Mehtab Singh, Jyoteesh Malhotra, B. Vasudevan, Vigneswaran “Modeling and performance investigation of 4 × 20 Gbps underwater optical wireless communication link incorporating space division multiplexing of Hermite Gaussian modes,” Optical and Quantum Electronics, Issue 5, 2020.	1.547	SCI
25.	Dr. R. Niruban, R. Deepa, G.D. Vignesh “A Novel Iterative Demosaicing algorithm using Fuzzy Based Dual Tree Wavelet Transform,” Journal of Critical reviews, ISSN- 2394-5125, Vol 7, Issue 9, 2020.	-	Scopus H index 5
26.	S. SreeSouthry, S. Vinayagapriya, A. Ayub Khan, P. Srinivasan “A Highly accurate and fast identification of forest fire based on Supervised Multi Model Image Classification Algorithm (SMICA),” Journal of Critical Reviews, ISSN- 2394-5125, Vol 7, Issue 6, 2020.	-	Scopus H index 5
27.	C. Ashok and N. Venkateswaran “A Computationally Efficient Modified Music Spectrum for Resolving DOAS of Multiple Closely Spaced Non-Gaussian Sources,” Progress in Electromagnetic Research C, vol. 102, pp.241-251.	2.3	Scopus
28	Mr.G. D. Vignesh, “A Novel Iterative Demsaicingalgorithm using fuzzy based dual tree wavelet transform,” Journal of critical reviews.	-	Scopus H index 5
29	S.Rajeshkannan, B.Vasudevan, J.Sivakumar, ”An Adaptive Chromosome Based Cost Aggregation Approach For Developing A High Quality Stereo Vision Model” Journal of Electrical Engineering. ISSN 1582-4594.(Accepted for Publishing)	-	Scopus H index 26
30	Rajeshkannan S, Kerthana R “ A Modified Digital Image Processing Enabled Stroke Rehabilitation System based on Wavelet Transform” International Journal of Engineering and Advanced Technology (IJEAT), Volume-9 Issue-1S, pp. 234-239 October 2019	-	-
31	Maheswari.S, Reeba Korah, “Embedding with PCA Based SvdFramelet Transform with Visual Cryptography In Video,”	-	-



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	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11, September 2019.		
32.	T.Sasilatha, Karthickmanoj.R, K.Balamurugan,P.Ezhilarasi, S.Arun, "Role of Compressed Sensingbased Image Sensor for Smart Surveillance Applications TEST Engineering and Management(ISSN: 0193-4120), Volume-82, PP No. 1982 - 1985 publication issue: January -February 2020, January 2020.	-	Scopus H index 5
33.	T.Sasilatha, M. Parameswari, P.Ezhilarasi, Balaji, S. Arun, "Valuable Vitality Remote Perceiving inCloud IOT," TEST Engineering and Management (ISSN: 0193-4120), Volume-82, PP No. 1986 -1992 publication issue: January -February 2020.	-	Scopus H index 5
34	S. Agnes Shifani, G. Ramkumar, A. Margaret Clemencia, S. Maheswari, S. Priyadharshini, 'Identification of Bone Fragmentation in X-Ray Images using Contour Detection Algorithm, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-9, July 2019	-	-
35.	G.Anitha, M.Adeline Christina and M.MohanaPriya "Weather Adaptive Smart Street Lighting with Face recognition," International Journal of Advanced Research in Basic Engineering Sciences and Technology, Vol.5, Issue.7, July 2019, pp.304-309, 2019, (Online ISSN: :2456- 5717)	-	-
36	P.Priya, J.Monisha, V. Chandhana, A.M.Balamurugan "Emotion Based Music Recommendation Using Face Recognition," Vol.5, Issue.7, July 2019, IJARBEST, ISSN:2456-5717, pp: 316-320.	-	-

Conference Publications

Sl. No	Publication details (Authors, Title, Journal, Volume, Issue, Pages, Year, ISSN, (DOI) etc.	Web of science
1.	Mr.R.Parthasarathy,RameshVenkatesanP.G., ChandrasekarArumugam, "A Compact wide band Multi-Stacked patch antenna for UWB Applications, Microwave Integrated circuits, photonics and Wireless Networks, indexed in IEEE Explore, DOI: 10.1109/IMICPW.2019.8933207 , 2019.	Web of science indexed conference
2.	Mr.R.Parthasarathy, RameshVenkatesanP.G.,ChandrasekarArumugam,"Design of Linear 2x2 Array Using Substrate- Integrated-Waveguide PatchAntenna for 28GHz mm-Wave Applications," indexed in IEEE Explore, Microwave	Web of science indexed conference



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	Integrated circuits, photonics and Wireless Networks. DOI: 10.1109/IMICPW.2019.8933228 , December 2019.	
3.	R. Avudaiammal, K Jasmine Mystica, Krishna, ChaitanyaAkellaMARunGokul, Rufus Samuel, “ Bidirectional Vehicle Platooning Based Intelligent Transportation System,” 2020 International Conference on Innovative Trends in Information Technology(ICITIIT), April 2020. DOI: 10.1109/ICITIIT49094.2020.9071545,	Web of science indexed
4.	Mr.R. Prabhu, “ Analysis of Histogram Distance Measures for Change Detection In Brain Symmetry,” 6th International conference on Bio Signals, Images and Instrumentation.	-