



Department of ECE Staff Publication List Academic Year: 2020 - 2021

Sl. No	Publication details (Authors, Title, Journal, Volume, Issue, Pages, Year, ISSN, (DOI) etc.	Impact factor (SCI)	SCI/ Scopus
1.	Parthasarathy Ramanujam , Ramesh Venkatesan ,Chandrasekar Arumugam, , Manimaran Ponnusamy, “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, pp 1-9, June, 2020	2.954	SCI
2.	Chandrasekaran Ashok , Narasimhan Venkateswaran N,”A Computationally Efficient Modified MUSIC Spectrum for Resolving DOAs of Multiple Closely Spaced Non-Gaussian Sources”, Progress In Electromagnetics Research C, 102, pp :241-251, June 2020	1.01	SCI
3.	S. Tephillah, and J. Martin Leo Manickam ,”An SETM Algorithm for Combating SSDF Attack in Cognitive Radio Networks, Journal of Wireless communications and Mobile computing, Vol. 2020, pp.1-9, Article ID 9047809, July,2020.	1.819	SCI
4.	Parthasarathy Ramanujam , Chandrasekar Arumugam, Ramesh Venkatesan, Manimaran Ponnusamy,” Design of Compact UWB Filter Using Parallel coupled Line and Circular Open-circuited Stubs”, IETE Journal of Research,Volume 68, Issue 6,Pages 4665-4672 , August 2020.	1.36	SCI
5.	Parthasarathy Ramanujam , Chandrasekar Arumugam, Ramesh Venkatesan, Manimaran Ponnusamy, “Design of Compact patch Antenna with Enhanced Gain and Bandwidth for 5Gmm-Wave Applications”, Journal of IET-Microwaves, Antennas and Propagation, Vol 14, Issue 12, pp.1455-1461,October, 2020.	2.036	SCI
6.	Praveen M, Vasudevan B and Ransom R,” 2 × 20 Gbit/s OFDM-based FSO transmission system for HAP-to-ground links incorporating mode division multiplexing with enhanced detection”, Journal of Optical Communication, Vol 2, October 2020.	1.737	SCI
7.	R.Avudaiammal , P.Elaveni, ShirleySelvan, Vijayarajan Rajangam, “ Extraction of Buildings in Urban Area for Surface Area Assessment from Satellite Imagery based on Morphological Building Index using SVM Classifier”, Journal of the Indian Society of Remote Sensing, pp.1325-1344, Nov- 2020.	1.102	SCI



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8.	Parthasarathy Ramanujam , Ramesh Venkatesan, Chandrasekar Arumugam, , Manimaran Ponnusamy,” Design of a compact printed lowpass filtering antenna with wideband harmonic suppression for automotive communication”, International Journal of RF and Microwave Computer Aided Engineering, Vol 30, Issue 12, e22452, Dec 2020.	1.538	SCI
9.	Gnanasivam Pachaiyappan , Parthasarathy Ramanujam , ,” Design of low profile co-axial fed high gain stacked patch antenna for Wi-Fi/WLAN/Wi-Max applications”, International Journal of Frequenz- RF and Telecommunication Engineering, Vol 27, Issue 34, January 2021.	0.585	SCI
10.	R. Prabhu , B. Parvathavarthini, R.A. Alaguraja,” Slum Extraction from High Resolution Satellite Data using Mathematical Morphology based approach”, International Journal of Remote Sensing, Vol 42, Issue 1, pp.172-190,January 2021.	2.976	SCI
11.	Venkatesan.K , Chandrasekar.A, Ramesh P.G.V , “ Supervised regression modelling for mitigation of four-wave mixing in dense wavelength-division multiplexing systems”, Ukrainian Journal of Physical Optics, Vol. 22 Issue 1, pp 12-30. January 2021.	0.745	SCI
12.	S.Duraimurugan, R.Avudaiammal , P. M. Durai Raj Vincent ,” Enhanced QoS Through Optimized Architecture for Video Streaming Applications in Heterogeneous Networks”, Wireless Personal Communications,118(2), pp. 1655–1673 , January 2021.	1.061	SCI
13.	R. Prabhu , B. Parvathavarthini, R.A. Alaguraja,” Integration of deep convolutional neural networks and mathematical morphology-based postclassification framework for urban slum mapping”, Journal of Applied Remote Sensing, Vol 15, Issue 1, January 2021.	1.36	SCI
14.	K.Venkatesan. , A.Chandrasekar P.G.V Ramesh,C.Selvakumar ,” Theoretical investigation for optimization of FWM effects for 1Tb/s ultra-band DWDM system”, Journal of Optoelectronics And Advanced Materials – Rapid, Communications, Vol. 15, No. 3-4, March- 2021.	0.445	SCI
15.	Parthasarathy Ramanujam , Manimaran Ponusamy, Krishnamurthy Ramanujam,” A Compact wide-bandwidth Antipodal Vivaldi Antenna Array with Suppressed Mutual Coupling for 5G mm-wave Applications”, AEU-International Journal of Electronics and Communication, Volume 133, , 153668, May 2021.	2.954	SCI



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16.	Ramachandra Reddy Konda , Narmadha Thirunavvukkarasu Velayudham, and Ramesh Venkatesan,” Performance analysis of coherent free-space optics transmission link using in-phase quadrature modulator-based polarization multiplexed-256-quadrature amplitude modulation”, Trans Emerging Tel Tech. April 2021; e4262. https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.4262	2.638	SCI
17.	G. Brindha, P.Ezhilarasi ,” Energy efficient moment based dynamic scheduling for lifetime maximization inn WSN”, Journal of Ambient Intelligence and Humanized Computing, Vol.12, pp. 5865–5875, June 2020.		Scopus
18.	G. Brindha, Sudha Juliet, P.Ezhilarasi , Dr.T.sasilatha,” An Advanced Optimized Transmission Technique for Parameter Estimation in WSNS”, Journal of Solid State Technology, ISSN: 0038- 111X, Vol no 64, Issue 2,pp.6480-6488, May 2021.		Scopus
19.	S.Aghalya , “ A Surveillance System for Air Pollution Monitoring-Warning” International Journal of Innovative Technology and Exploring Engineering,Vol10, Issue 1, pp. 333-335. Nov- 2020.		Scopus
20.	Kaibalya Kuamr Sethi , Vasudevan Boobhalon , Sanjaya Kumar Sahu , Gopinath Palai,” Realization of novel corona virus kit using silicon based 2D photonic structure via finite difference time domain method”, Microsystem Technologies, Springer . https://doi.org/10.1007/s00542-020-05080-5 DOP:10/11/2020.		Scopus
21.	Dr. R. Avudaiammal , P. Elaveni,, P.S Nancy, S.Pavithra,” Indices Based Land Use Classification Using Svm”, Journal Of Critical Reviews, Vol 7, Issue 19, 2020, pp. 165 – 171.		Scopus

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Sl. No	Publication details (Authors, Title, Conference, Volume, Issue, Pages, Year, ISSN, (DOI) etc.	(Scopus)	
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1.	Shirley Selvan , S. Sahana and G. Thanmai, "Efficient and Secure File Transfer in Cloud Through Double Encryption Using AES and RSA Algorithm", pp. 791-796, doi: 10.1109/ESCI50559.2021.9397005, April 2021.	Scopus	
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