

## Department of Electronics and Communication Engineering

### Faculty Publication

**JANUARY -DECEMBER 2019**

S.No	Title of the Paper
1.	Beena M V, Namboodiri, A., & Thottungal, R. (2019). Hybrid approaches of convolutional network and support vector machine for American sign language prediction, Multimedia Tools and Applications. doi:10.1007/s11042-019-7723-0
2.	Hemalatha,R., Mahalakshmi,R., (2019), A Memetic based Approach for Routing and Wavelength Assignment in Optical Transmission Systems, Informacije MDEM Journal of Microelectronics, Electronic Components and Materials, 49(1), 11 – 18.
3.	Bharathi, M., Amsaveni, A., & Sasikala, S. (2019). Orthogonal Frequency Division Multiplexing for Improving the Performance of Terahertz Channel, Journal of Infrared and Millimeter waves, 38(3), 263-268.
4.	Ajay.V.P , N.Nesasudha (2019).Analysis of Data falsification in Cognitive Radio Scenarios from Secondary User Viewpoints ,International Journal of Advanced Science and Technology, Vol. 28, No. 8, pp. 577-586
5.	S.Krithika ,T.Kesavmurthy.(2019). Securing IOT Network Through Quantum Key DIistribution, International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Vol - 8, Issue - 6S4
6.	T.Kowsalya,S.Sukirtha, S.Krithika (2019).Quantum Key distribution for IOT - A Review, International Journal of Engineering Research and Management, ISSN: 2349-2058, VOL - 06 , Issue -10
7.	S.Krithika ,K.Sampath (2019). Synthesis, Characterization and NLO property of ruthenium (II) thiosemicarbazone complexes, AIP conference proceedings , DOI : 10.1063/ 1.5130328
8.	S.Krithika,J.kaja Maideen,T.K.C.Madan (2019)An Automated Trash Monitoring Systemfor Waste Management Using IoT– (I-Bin) “ International Journal of Engineering and Advanced Technology (IJEAT),” ,ISSN: 2249 – 8958, Volume-8, Issue-6S3, September 2019 , DOI: 10.35940/ijeat.F1188.0986S319.
9.	C.Kavitha,S.Abinav Shankar,K.KKarthika,B.Ashok,S.Dennis Ashok (2019).Active camber and toe control strategy for the double wishbone suspension system,Journal of King Saud University-Engineering Science, DOI :10.1016,375-384
10.	Sasikala, S., Bharathi, M., Ezhilarasi, M., Senthil, S., & Reddy, M. R. (2019). Particle swarm optimization based fusion of ultrasound echographic and elastographic texture features for improved breast cancer detection. Australasian physical & engineering sciences in medicine, 42(3), 677-688.
11.	Gayathiri .D, Ram Prakash.K. (2019). Wide Frequency Band Antenna Using Basic Fractal Structure With Microstrip And Coaxial Feeds. Internation Journal Of Advance Research And Innovative Ideas In Education, 5(1), 308-315.

12.	Allin Joe. D, Karthikumar.R. and Sriram, S. (2019). A Planar Inverted Feed Antenna for WiMAX and GPS Applications. International Journal of Engineering and Advanced Technology, 8(6S3), pp.1242-1244.
13.	Allin Joe, D., Umamaheswari, S. and Karthikumar, R. (2019). A Multiband Patch Antenna for WiMAX and S Band RADAR Applications. International Journal of Engineering and Advanced Technology, 8(6S3), pp.1548-1550.
14.	Allin Joe, D., Umamaheswari, S. and Sriram, S. (2019). A Multiband Antenna for GSM, WLAN, S-band Radar and WiMAX Applications. International Journal of Engineering and Advanced Technology, 8(6S3), pp.1555-1558.
15.	Thiyagarajan, K., Allin Joe, D., Venkatesh, D. and Pandiyalakshmi, K. (2019). Quarter Wave Resonator based Microstrip Bandpass Filter using Asymmetrical coefficients. International Journal of Innovative Technology and Exploring Engineering, 9(2), pp.3319-3324.
16.	P. Sampath, R. Darwin,(2019) ,Multilayer Stacked Microstrip Patch Antenna for 5G Applications Operating in Millimeter Wave Band., International Journal of Innovative Technology and Exploring Engineering (IJITEE) 2025–2028
17.	P. Sampath,,R.Darwin, (2019) ,Millimeter Wave Antenna Array for 5G Smart City Applications,International Journal of Innovative Technology and Exploring Engineering (IJITEE), vol. 9, no. 2, pp. 4026–4030.
18.	P. Sampath, R.Darwin, (2019),U-Slot Dual-Band Planar Inverted-F (PIFA) for 5G in Sub-6 Ghz Spectrum Bands, International Journal of Engineering and Advanced Technology (IJEAT)., vol. 8, no. 6S3, pp. 1245–1248, 2019.
19.	Amsaveni, A., Bharathi, M., & Swaminathan, J. N. (2019). Design and performance analysis of low SAR hexagonal slot antenna using cotton substrate. Microsystem Technologies, 25(6), 2273-2278.
20.	Thilagavathi, K & Vasuki, A 2019, ‘A Novel Hyperspectral Image Classification Technique Using Deep Multi-Dimensional Recurrent Neural Network’, Applied Mathematics & Information Sciences, vol. 13, no. 6, pp. 955-963. ISSN: 2325-0399.DOI: <a href="http://dx.doi.org/10.18576/amis/130608">http://dx.doi.org/10.18576/amis/130608</a>
21.	R. Dinesh, Ramalatha Marimuthu,(2019) “A Ring Oscillator Based Random Generator for Cryptography Applications”, ‘International Journal of Innovative Technology and Exploring Engineering’ Volume-8 Issue-11
22.	Ramalatha Marimuthu,R. Mahalakshmi, K. Preethi, D. Kalaiselvi,Adsorption Behaviourof chemically modified cellulose bearing Benzothiazole chelating group towards lead ions from water bodies, Rasayan Journal of Chemistry, Vol. 12 No. 1, 245 - 250, January - March 2019, ISSN: 0974-1496
23.	Muthiah, A., S, A., K S, M. T., Vikram K, V., K, K., & Marimuthu, R. (2019). Maternal ehealth Monitoring System using LoRa Technology. 2019 IEEE 10th International Conference on Awareness Science and Technology (iCAST). doi:10.1109/icawst.2019.8923228
24.	K. Kavitha, N. M. Harshini,(2019,)Noma-Stbcfor Uplink Mimo Channel,International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-8, Issue-6S3
25.	Sreedharan, D., Paul, V., & Thottungal, R. (2019). Mathematical modelling of polymer electrolyte membrane fuel cell and fuzzy-based intelligent controllers for performance enhancement. Computers & Electrical Engineering, 77, 354-365
26.	Umamaheswari, S,Capsule network-based data pruning in wireless sensor networks ,(2019),International Journal of Communication Systems, doi.org/10.1002/dac.4145
27.	Narmatha, M.S.N Shivapriya,(2019) Survey and Comparison of Human Pose Estimation. International Journal of Advance Research and Innovative Ideas in EducationID: 9837 2019, 5 (2), 2395-4396.
28.	Shivapriya, S. N.; Narmatha, M.; Madhusri, V. (2019)Design of Dadda and Wallace Tree Multiplier Using Compressor Technique.International Journal of Engineering and Advanced Technology(IJEAT)ISSN: 2249 –8958, 8 (6) (Suppl. 3).

29.	S. N. Shivappriya, M. Shanthi, G. KesavKrishna, R. Sathyaranayanan and R. Marimuthu (2019),Influence Of Illiteracy On Maternal and Child Health Among Women In India, 2019 IEEE 10th International Conference on Awareness Science and Technology (iCAST), Morioka, Japan, 2019, pp. 1-6, doi: 10.1109/ICAwST.2019.8923585.
30.	R.Elakkiya, K.Thilagavathi, A.Vasuki (2019), ‘Active Learning in Classification of Hyperspectral Imaging-A Review’, Asian Journal of Information Technology,vol.18,Issue 6,pp.173-179.DOI: 10.36478/ajit.2019.173.179
31.	Kavitha, C. , Karthika, K. , Hamsaveni, V.G. , Supriya, B. , Manasa, B.M.R.,(2019) Identification and Classification of Defects at Different Leather processing Stages using Vision Based System. International Journal of Advanced Science and Technology, 28(19), 123 - 128. <a href="http://sersc.org/journals/index.php/IJAST/article/view/2501">http://sersc.org/journals/index.php/IJAST/article/view/2501</a>
32.	Sasikala, S., Bharathi, M., Ezhilarasi, M., & Arunkumar, S. (201). Breast Cancer Detection Based on Medio-Lateral ObliqueView and Cranio-Caudal View Mammograms: An Overview. In 2019 IEEE 10th International Conference on Awareness Science and Technology (iCAST) (pp. 1-6). IEEE.
33.	Amsaveni, A., and M. Bharathi.(2019),Performance Analysis of a Low SAR Triangular Patch Textile Antenna for Health Monitoring Systems, International Journal of Engineering and Advanced Technology(IJEAT), vol. 8, no. 6S3, pp. 1543-1547.