

List of Publications by ECE Department

INTERNATIONAL JOURNALS - 2021

1. Yalavarthi, U.D., "Reconfigurable orthogonal quad-port MIMO antenna for DSRC, WLAN, RADAR and Ku-band applications", AEU - International Journal of Electronics and Communications, Vol:136, 2021, DOI:10.1016/j.aeue.2021.153766
2. Simon, J., Prabakaran, N., "Optimal wavelets with Binary Phase Shift Keying modulator utilized simulation analysis of 4G/5G OFDM systems", International Journal of Communication Systems, Vol:34, Issue:9, 2021, DOI:10.1002/dac.4775
3. Umakanth, N., Satyanarayana, G.C., Naveena, N., Srinivas, D., Rao, D.V.B., "Statistical and dynamical based thunderstorm prediction over southeast India", Journal of Earth System Science, Vol:130, Issue:2, 2021, DOI:10.1007/s12040-021-01561-x
4. Kumar, P.A., Rao, K.S., Sravani, K.G., Balaji, B., Aditya, M., Guha, K., Elsinawi, A., "An intensive approach to optimize capacitive type RF MEMS shunt switch", Microelectronics Journal, Vol:112, 2021, DOI:10.1016/j.mejo.2021.105050
5. Satyanarayana Gubbala, C., Dodla, V.B.R., Desamsetti, S., "Assessment of wind energy potential over India using high-resolution global reanalysis data", Journal of Earth System Science, Vol:130, Issue:2, 2021, DOI:10.1007/s12040-021-01557-7.
6. Santhosh, C., Ernest Ravindran, R.S., "Surface modified chitosan with cadmium sulfide quantum dots as luminescent probe for detection of silver ions", Asian Journal of Chemistry, Vol:33, Issue:5, pp:1025-1030, 2021, DOI:10.14233/ajchem.2021.23003.
7. Sailaja, B.V.S., Naik, K.K., "CPW-fed elliptical shaped patch antenna with RF switches for wireless applications", Microelectronics Journal, Vol:111, 2021, DOI:10.1016/j.mejo.2021.105019.
8. Gopi Tilak, V., Ghali, V.S., Vijaya Lakshmi, A., Suresh, B., Naik, R.B., "Proximity based automatic defect detection in quadratic frequency modulated thermal wave imaging", Infrared Physics and Technology, Vol:114, 2021, DOI:10.1016/j.infrared.2021.103674.
9. Sailaja, B.V.S., Kumar Naik, K., "Design and analysis of reconfigurable fractal antenna with RF-switches on a flexible substrate for X-band applications", Analog Integrated Circuits and Signal Processing, Vol:107, Issue:1, pp:181-193, 2021, DOI:10.1007/s10470-020-01767-x
10. Srilekha, G., Pardhasaradhi, P., Madhav, B.T.P., Nanchara Rao, M.R., "Effect of ZnO nanoparticles on optical textures and image analysis properties of 7O.O5 liquid crystalline compound", Zeitschrift für Naturforschung - Section A Journal of Physical Sciences, Vol:76, Issue:4, pp:349-359, 2021, DOI:10.1515/zna-2020-0302
11. Srinivasa Rao, K., Vali, S.S., Ashok Kumar, P., Girija Sravani, K., "Design and Analysis of MEMS Electro spray Thruster Device", Transactions on Electrical and Electronic Materials, Vol:22, Issue:2, pp:204-210, 2021, DOI:10.1007/s42341-020-00226-8
12. Yuvaraj, N., Karthikeyan, T., Praghash, K., "An Improved Task Allocation Scheme in Serverless Computing Using Gray Wolf Optimization (GWO) Based Reinforcement Learning (RIL) Approach", Wireless Personal Communications, Vol:117, Issue:3, pp:2403-2421, 2021, DOI:10.1007/s11277-020-07981-0
13. Koutavarapu, R., Manepalli, R.K.N.R., Madhav, B.T.P., Rao, M.C., Shim, J., "Structural, optical and magnetic properties of Cd doped ZnO nanomaterials for optoelectronic device application", Journal of Materials Science: Materials in Electronics, Vol:32, Issue:8, pp:11264-11273, 2021, DOI:10.1007/s10854-021-05795-9
14. Aghoutane, B., Das, S., El Faylali, H., Madhav, B.T.P., El Ghzaoui, M., El Alami, A., "Analysis, Design and Fabrication of a Square Slot Loaded (SSL) Millimeter-Wave Patch

- Antenna Array for 5G Applications”,*Journal of Circuits, Systems and Computers*, Vol:30, Issue:5, 2021, DOI:10.1142/S0218126621500869
15. Kanakaraja, P., Kotamraju, S.K., Nadipalli, L.S.P.S., Aswin Kumer, S.V., Kavya, K.C.S.,”IoT enabled ble and lora based indoor localization without Gps”,*Turkish Journal of Physiotherapy and Rehabilitation*, Vol:32, Issue:2, pp:642-653, 2021
 16. Subba Reddy, V., Tulasi, S.K., Inthiyaz, S., Chowdary, G.S., Reddy, Y.H.,”Microstrip patch antenna for IoT applications”,*Turkish Journal of Physiotherapy and Rehabilitation*, Vol:32, Issue:2, pp:1159-1166, 2021
 17. Kanakaraja, P., Sairamnadipalli, L.S.P., Aswinkumer, S.V., Ganesh, N., Lekha, U.C., Irfan, S.K.,”Industrial parameters monitoring with lora technology in next generation wireless communications”,*Turkish Journal of Physiotherapy and Rehabilitation*, Vol:32, Issue:2, pp:805-815, 2021
 18. Nagageetha, M., Ramesh, N.V.K.,”A survey of agriculture crop monitoring using iot based image processing and machine learning techniques”,*Turkish Journal of Physiotherapy and Rehabilitation*, Vol:32, Issue:2, pp:567-571, 2021
 19. Priya, P.P., Inthiyaz, S., Rao, M.V., Sri Deepthi, S.K.P.V., Sri Likhitha, P.,”Design and analysis of microstrip patch antenna with 2 hexagonal split ring resonator array for IOT applications”,*Turkish Journal of Physiotherapy and Rehabilitation*, Vol:32, Issue:2, pp:761-769, 2021
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 21. Danthala, S., Rao, S.S., Rao, B.N., Mannepalli, K.,”Analysis of regression techniques for spray painting robot”,*Turkish Journal of Physiotherapy and Rehabilitation*, Vol:32, Issue:2, pp:654-662, 2021
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 24. Sreelakshmi, D., Inthiyaz, S.,”A novel implementation of robust CT scan based brain diagnosis process using CNN-GB technique”,*Turkish Journal of Physiotherapy and Rehabilitation*, Vol:32, Issue:2, pp:789-800, 2021
 25. Sundeep, Y., Prem Chand, G.V.V., Teja, K.S., Prasad, M.V.D., Ahammad, S.K.H., Saikumar, K.,”Illuminant and interspace monitoring using advance driver assistance systems”,*Turkish Journal of Physiotherapy and Rehabilitation*, Vol:32, Issue:2, pp:629-632, 2021
 26. Maddikera, K.R., Kotamraju, S.K., Kavya, K.C.S., Gande, B.G.T.,”Z-R relations of micro rain radar during cyclones, monsoon and clear sky conditions at coastal location of Andhra Pradesh”,*Turkish Journal of Physiotherapy and Rehabilitation*, Vol:32, Issue:2, pp:719-732, 2021
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31. Rekha, V.S.D., Pardhasaradhi, P., Madhav, B.T.P., Devi, Y.U., "A compact dual notch frequency reconfigurable antenna for wimax, dsrc, radar and ku band communication applications", Turkish Journal of Physiotherapy and Rehabilitation, Vol:32, Issue:2, pp:746-753, 2021
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36. Sailaja, C., Maloji, S., Manepalli, K., "Performance Analysis of Feature sets in Speaker Diarization techniques", Journal of Physics: Conference Series, Vol:1804, Issue:1, 12166, 2021, DOI:10.1088/1742-6596/1804/1/012166
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38. Vineetha, K.V., Siva Kumar, M., Madhav, B.T.P., "Analysis of Triple Band Split Ring Resonator Based Microstrip Bandpass Filter", Journal of Physics: Conference Series, Vol:1804, Issue:1, 12149, 2021, DOI:10.1088/1742-6596/1804/1/012149
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