

**BAPATLA ENGINEERING COLLEGE::BAPATLA**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**PUBLICATIONS FOR THE YEAR 2019-20**

| S.No | Name of the Author(s)   | Title of the Paper   | Name of the Journal   | Month and Year of publication | ISSN      | Link to the notification in UGC enlistment of the Journal   | WOS/Scopus/UGC-CARE/Others  |
|------|---|--|---|-------------------------------|-----------|---|-----------------------------|
| 1    | N.Kavitha, V.Srinivasa Rao, B.Chandra Mohan   | Fuzzy based scheduling and load balancing for zone routing protocol (ZRP) in mobile adhoc networks           | Journal of Critical Reviews   | Feb-20                        | 2394-5125 | <a href="http://www.icreview.com/admin/Uploads/Files/61a927e3583748_57612688.pdf">http://www.icreview.com/admin/Uploads/Files/61a927e3583748_57612688.pdf</a>   | Scopus                      |
| 2    | N.Kavitha, V.Srinivasa Rao, B.Chandra Mohan   | Load and Energy Aware Adaptive Zone Routing Protocol for MANET   | International Journal of Advanced Science and Technology  | Mar-20                        | 2005-4238 | <a href="http://sersc.org/journals/index.php/JAST/article/view/5335#:~:text=This%20research%20work%20proposes%20Load,is%20applied%20across%20the%20zones">http://sersc.org/journals/index.php/JAST/article/view/5335#:~:text=This%20research%20work%20proposes%20Load,is%20applied%20across%20the%20zones</a>   | Scopus                      |
| 3    | T.Tirupal, B.Chandra Mohan, S.Srinivas Kumar  | Multimodal Medical Image Fusion Techniques – A Review  | Journal of Current Signal Transduction Therapy  | Jan-20                        | 1574-3624 | <a href="https://www.eurekaselect.com/179757/article">https://www.eurekaselect.com/179757/article</a>   | Web of Science              |
| 4    | G.Sony, Ch.Jagadeesh Ram, B.Naveen,   | Secure IOT Devices Using AES Encryption  | Journal of Engineering Sciences   | Apr-20                        | 0377-9254 | <a href="https://jespublication.com/upload/2020-110420.pdf">https://jespublication.com/upload/2020-110420.pdf</a>   | Google Scholar              |
| 5    | Hussain, C.A., Rao, D.V. & Mastani, S.A.  | RetrieverNet: A novel deep network for medical image   | <a href="https://www.sciencedirect.com/journal/evolutionary-intelligence">Evolutionary Intelligence</a> | Apr-20                        | 1864-5909 | <a href="https://link.springer.com/article/10.1007/s12065-020-00401-z">https://link.springer.com/article/10.1007/s12065-020-00401-z</a>   | Web of Science-ESCI, Scopus |
| 6    | Chesti Altaff Hussain, Ch.Gopi, D. Sai Kishore, G.Gopi Reddy, G.Chaitanya Sai           | Brain Tumor Detection And Segmentation Using Anisotropic Filtering For MRI Images                            | Journal of Engineering Sciences   | Mar-20                        | 0377-9254 | <a href="https://jespublication.com/upload/2020-110329.pdf">https://jespublication.com/upload/2020-110329.pdf</a>   | Google Scholar              |
| 7    | Chesti Altaff Hussain, K.V.Mahendra, K. Reddy Koushik, K. Bala Venkaiah, K. Sai Krishna | A Retinal Image Enhancement Technique for Blood Vessel Segmentation Algorithm                                | Journal of Engineering, Computing and Architecture  | Mar-20                        | 1934-7197 | <a href="http://www.journaleca.com/gallery/ieca-1987.21-f.pdf">http://www.journaleca.com/gallery/ieca-1987.21-f.pdf</a>   | Scopus                      |
| 8    | N.Naga Swathi, G.Mounika Rami, I.Saisree, Ch.Narayana Reddy, B.Sivakumari               | An Improved Single Image Dehazing Algorithm based on Down Sampling   | Journal of Emerging Technologies and Innovative Research  | Mar-20                        | 1430-1433 | <a href="https://www.jetir.org/papers/JETIR2003210.pdf">https://www.jetir.org/papers/JETIR2003210.pdf</a>   | Google Scholar              |
| 9    | K.Nagaraju, B.Surendra Babu, G.Mahesh   | A Rectangle Novel Multi-band Patch Antenna for satellite Applications  | Journal of Emerging Technologies and Innovative Research  | Feb-20                        | 1430-1433 | <a href="https://www.jetir.org/papers/JETIR2002005.pdf">https://www.jetir.org/papers/JETIR2002005.pdf</a>   | Google Scholar              |
| 10   | Sk. Ansar Ali, S. Sai Prakash, Y. Susan, V. Roshna and G.Mahesh                         | Design of Pentagonal Slot Circular Patch Antenna for S and C Band Applications                               | International Research Journal of Engineering and Technology  | Mar-20                        | 2395-0056 | <a href="https://www.irjet.net/archives/V7/I3/IRJET-V7I3935.pdf">https://www.irjet.net/archives/V7/I3/IRJET-V7I3935.pdf</a>   | Google Scholar              |
| 11   | B.SurendraBabu, K.UdayaChandrika, K.Bhavyanaga sri, L.Renuka, K.Geetha sai              | EFFICIENT ENCODING OF LDPC CODES FOR eMBB IN 5G-NR   | Journal of Engineering Sciences   | Mar-20                        | 0377-9254 | <a href="https://jespublication.com/upload/2020-110361.pdf">https://jespublication.com/upload/2020-110361.pdf</a>   | Google Scholar              |
| 12   | Surendra Babu, V. Vikranth , P. Lokesh , V. Bhanu V. Sandhya                            | PERFORMANCE ANALYSIS OF DECODING SCHEMES OF LDPC CODES IN 5G-NR  | International Journal of Creative Research Thoughts   | Mar-20                        | 2320-2882 | <a href="https://www.ijcrt.org/papers/IJCRT2003210.pdf">https://www.ijcrt.org/papers/IJCRT2003210.pdf</a>   | Google Scholar              |
| 13   | K.Kalpna, N. Kavya, Y. Samuel, U. Indramohan, Sk. Yasin                                 | Speech Modulation for image watermarking   | Journal of Engineering Sciences   | May-20                        | 0377-9254 | <a href="https://jespublication.com/upload/2020-110592.pdf">https://jespublication.com/upload/2020-110592.pdf</a>   | Google Scholar              |
| 14   | Chandra Mohan Bhumu, Pallaviram sure, Narendra babu chindanur                           | Sparse Bayesian Learning Assisted Approaches for Road Network Traffic State Estimation                       | IEEE Transactions on Intelligent Transportation Systems   | Feb-20                        | 1524-9050 | <a href="https://ieeexplore.ieee.org/document/8986652">https://ieeexplore.ieee.org/document/8986652</a>   | Web of Science-SCIE         |
| 15   | Rama Krishna Guttula and Venkateswararao Nandanavanam                                   | Patch Antenna Design optimization using opposition Based Grey wolf optimizer and map-reduce framework        | Data technologies and Applications  | Jan-20                        | 2514-9288 | <a href="https://www.emerald.com/insight/content/doi/10.1108/DTA-06-2019-0084/full/html">https://www.emerald.com/insight/content/doi/10.1108/DTA-06-2019-0084/full/html</a>   | Web of Science-SCIE         |
| 16   | Shaik Khaleelahmed and Nandhanavanam VenkateswaraRao                                    | Energy Efficient Power Allocation Using Salp Particle Swarm Optimization Model in MIMO-NOMA Systems          | Wireless Personal Communications  | Jan-20                        | 0929-6212 | <a href="https://link.springer.com/article/10.1007/s11277-019-06911-z#:~:text=It%20can%20be%20extended%20with,(SPPA)%20model%20is%20proposed">https://link.springer.com/article/10.1007/s11277-019-06911-z#:~:text=It%20can%20be%20extended%20with,(SPPA)%20model%20is%20proposed</a>   | Web of Science-SCIE         |
| 17   | Ramakrishna Guttula and Venkateswararao Nandanavanam                                    | Analyzing the Design of the Octagonal Patch Antenna at 67 GHz with Altering Dimensions                       | International Journal on Emerging Technologies  | Jan-20                        | 0975-8364 | <a href="https://www.researchtrend.net/ijet/pdf/Analyzing%20the%20Design%20of%20the%20Octagonal%20Patch%20Antenna%20at%2067%20GHz%20with%20Altering%20Dimensions%20Ramakrishna%20Guttula.pdf">https://www.researchtrend.net/ijet/pdf/Analyzing%20the%20Design%20of%20the%20Octagonal%20Patch%20Antenna%20at%2067%20GHz%20with%20Altering%20Dimensions%20Ramakrishna%20Guttula.pdf</a> | Scopus                      |
| 18   | Rama Krishna Guttula, Venkateswara Rao Nandanavanam                                     | Design and Analysis of Ultra-Wideband Octagonal Circular Ring Patch Antenna using Defected Ground Structures | International Journal of Advanced Science and Technology  | Feb-20                        | 2005-4238 | <a href="http://sersc.org/journals/index.php/JAST/article/view/3645#:~:text=Abstract%3A%20A%20new%20compact%20Ultra_permeivity%20of%20CE%20B5r%20%3D%204.4">http://sersc.org/journals/index.php/JAST/article/view/3645#:~:text=Abstract%3A%20A%20new%20compact%20Ultra_permeivity%20of%20CE%20B5r%20%3D%204.4</a>   | Scopus                      |
| 19   | Shaik Khaleelahmed and Nandhanavanam Venkateswararao                                    | Energy Efficient Fractional Particle Swarm Optimization Based Power Allocation in MIMO-NOMA System           | International Journal of Innovative Technology and Exploring Engineering                                | Sep-19                        | 2278-3075 | <a href="https://www.ijtee.org/wp-content/uploads/papers/v8i11/K21350981119.pdf">https://www.ijtee.org/wp-content/uploads/papers/v8i11/K21350981119.pdf</a>   | Scopus                      |

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|----|---|---|--|--------|-----------|---|---------------------------------|
| 20 | Shaik Khaleelahmed,<br>Nandhanavanam<br>Venkateswararao     | SALP Swarm Algorithm Based<br>Priority Scheduling for Energy-<br>Efficient Power Allocation In<br>MIMO-NOMA System                                      | International Journal Of<br>Scientific & Technology<br>Research                | Sep-19 | 2277-8616 | <a href="http://www.iistr.org/final-print/sep2019/Salp-Swarm-Algorithm-Based-Priority-Scheduling-For-Energy-efficient-Power-Allocation-In-Mimo-noma-System.pdf">http://www.iistr.org/final-print/sep2019/Salp-Swarm-Algorithm-Based-Priority-Scheduling-For-Energy-efficient-Power-Allocation-In-Mimo-noma-System.pdf</a> | Scopus                          |
| 21 | Rama Krishna Guttula and<br>Venkateswararao<br>Nandanavanam | A compact design of Ultra-Wide-<br>band Antenna with 5.5GHz to<br>5.9GHz Dual band characteristics  | International journal of<br>Innovative technology and<br>Exploring Engineering | Sep-19 | 2278-3075 | <a href="https://www.ijitee.org/wp-content/uploads/papers/v8i11/K25720981119.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i11/K25720981119.pdf</a>   | Scopus                          |
| 22 | Rama Krishna Guttula and<br>Venkateswararao<br>Nandanavanam | Mutation probability based Lion<br>Algorithm for design and<br>optimization of Microstrip Patch<br>antenna  | Evolutionary Intelligence  | Sep-19 | 1864-5909 | <a href="https://link.springer.com/article/10.1007/s12065-019-00292-9">https://link.springer.com/article/10.1007/s12065-019-00292-9</a>   | Web of Science-<br>ESCI, Scopus |
| 23 | Padarti Vijaya Kumar,<br>Venkateswara Rao<br>Nandanavanam   | Performance analysis of OFDM-<br>based massive MIMO downlink<br>system  | International Journal of<br>Recent Technology and<br>Engineering               | Sep-19 | 2277-3878 | <a href="https://www.iirte.org/wp-content/uploads/papers/v8i3/C6124098319.pdf">https://www.iirte.org/wp-content/uploads/papers/v8i3/C6124098319.pdf</a>   | Scopus                          |
| 24 | Vijaya Kumar Padarti,<br>Venkateswara Rao<br>Nandhanavanam  | Performance evaluation of<br>coexistence of Wi-Fi and LTE<br>licensed –assisted access to<br>unlicensed spectrum using markov<br>chain analytical model | International Journal of<br>Engineering and Advanced<br>Technology             | Aug-19 | 2249-8958 | <a href="https://www.ijeat.org/wp-content/uploads/papers/v8i6/F8705088619.pdf">https://www.ijeat.org/wp-content/uploads/papers/v8i6/F8705088619.pdf</a>   | Scopus                          |