



List of Research Journal Publications - 2020

1. **A. Kameswara Rao**, Multiple positive solutions for a system of fractional higher order infinite point boundary value problems, TWMS Journal of Applied and Engineering Mathematics, 10(1) : 34-46, Jan 2020, ISSN: 2146-1147.
2. Ch S L N Sridhar, K S Siva Maha Laxmi, D M Potukuchi, **Ch Sanyasa Lakshmi**, Dielectric properties of Superpara magnetic Titanium doped Nanophased Mn–Zn ferrites for High Frequency Applications, Materials Research Express, 6 : 126117, Jan 2020, ISSN: 2053-1591, DOI: 10.1088/2053-1591/ab5f95.
3. Renuka Devi B, **N. Sharmili**, K Vijaya Kumar, G Jose Moses, E Laxmi Lydia, A classification model using improved hybrid genetic particle swarm optimization algorithm based on separability-correlation measure, Test Engineering and Management, 82:1215-1223, Jan/Feb 2020, ISSN: 0193-4120.
4. Laxmi Lydia E, Sandhya G, Gogineni H B, Latha G. P, **Sharmili N**, Applicational achievement of k-means algorithm among apache spark and map reduce, Test Engineering and Management, 82: 1224 -1231, Jan/Feb 2020, ISSN: 0193-4120, DOI:10.5120/19788-0531.
5. **K. Purushotam Naidu**, Dr. P. Krishna Subba Rao, Dr. M H M Krishna Prasad, IoT Based Atmosphere Monitoring System using Hadoop Map Reduce Paradigm, International Journal of Engineering and Advanced Technology, 9(3):4199-4204, Feb, 2020, ISSN: 2249-8958, DOI: 10.35940/ijeat.C6074.029320.
6. Guntu Nooka Raju, **Srinivasa Rao K**, Bethapudi Ratnakanth, Multiuser Detection and Channel Estimation for CDMA System under Flat Fading Channels, International Journal of Innovative Technology and Exploring Engineering, 9(4): 2884-2888 February 2020, ISSN: 2278-3075, DOI: 10.35940/ijitee.D1614.029420.
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9. **K. Suneetha**, Balaga Susmitha, Dasari Poornima, Comparative Study on Fake News Accuracy Prediction Using Naive Bayes, SVM and ANN, International Journal of Innovations in Engineering and Technology, 15(4): 19-25, March 2020, ISSN:2319-1058, DOI: 10.21172/ijiet.154.04.
10. Ammavajjula Sai Tejaswi, Animilla Swapna Deepika, **Yaragani Sowmya**, Chronic Kidney Disease Prediction System, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, 6(2): 43-47, March 2020, ISSN:2456-3307, DOI: 10.32628/CSEIT206215.
11. P. Aishwarya, **M. Bhanu Sridhar**, L. Kavitha, Detection and Prediction of Frequent Diseases in India through Association Technique using Apriori Algorithm and Random Forest Regression, International Journal of Engineering Research & Technology, 9(3): 386-393, Mar 2020, ISSN: 2278-0181.
12. **Dr. P. M. K. Prasad**, Dr. Y. Raghavender Rao, Dr. Karri Chiranjeevi, Contrast Enhancement of Satellite Images Based on Lifting Haar Wavelet Transform And Singular Value Decomposition, International Journal of Emerging Trends in Engineering Research, 8(3): 830-837, March, 2020, ISSN: 2347-3983, DOI: 10.30534/ijeter/2020/37832020.
13. **B. P. V. Dileep**, Pranab K. Dutta, **P.M.K. Prasad**, **M. Santhosh**, Sparse recovery based compressive sensing algorithms for diffuse optical tomography, Optics and Laser Technology, 128: 106234, March 2020, ISSN: 0030-3992, DOI: 10.1016/j.optlastec.2020.106234.
14. **V.S. Jahnavi**, S.K. Tripathy, A.V.N.R Rao, Study of structural, optical, dielectric and magnetic properties of Copper doped SnO₂ nanoparticles, Journal of Electronic materials, 49, March 2020, ISSN 0361-5235, DOI: 10.1007/s11664-020-08028-7.
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16. **V. Lakshmana Rao**, Dr K.V. Ramana, Dr P. Krishna Subba Rao, Epileptic Seizure Detection and Classification based on RQA Features, Journal of Advanced Research in Dynamical and Control Systems, 12(5s):251-261, Apr 2020, ISSN:1943-023X, DOI: 10.5373/JARDCS/V12SP5/20201755.
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18. **P.V.S.L Jagadamba**, K.S.S. Harshitha, G. Jayasree, B.S. Sameera, K.A. Varshini, Adaptive Frame Extraction and Action Recognition Using Deep Learning, Pramana Research Journal, 10(5):68-75, May 2020, ISSN: 2249-2976.
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21. Dr. Guntu Nooka Raju, **Dr. P.M.K. Prasad**, Bethapudi Ratnakanth, Carrier frequency offset (CFO) Estimation in MC-CDMA System, International Journal of Advanced Science and Technology, 29(5): 5488-5501, May 2020, ISSN: 2005-4238.
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23. B Uma Jagadeswari, D Harshitha, G Vineela, B Siri, **Yaragani Sowmya**, Plant Disease Prediction System using Image Processing, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, 6(3): 162-167, May-June 2020, ISSN: 2456-3307, DOI: 10.32628/CSEIT1206333.
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27. Dr. B. Prasad, Dr.Achyuth Sarkar, Dr.E.Laxmi Lydia, **N.Sharmili**, Denis Alexandrovich Pustokhin, Irina Pustokhina, Disruptive Technologies for Smart Healthcare Systems using Artificial Intelligence for Hospital Management System. International Journal of Advanced Science and Technology, 29(9s), 2684 – 2692, June, 2020, ISSN: 2005-4238.
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29. P. Sirish Kumar, V. B. S. Srilatha Indira Dutt, **L. Ganesh**, Implementation of new navigation algorithm based on cross-correntropy for precise positioning in low latitude regions of South India, International Journal of Speech Technology, 23(4):!747–756, June,2020, ISSN: 1381-2416, DOI: 10.1007/s10772-020-09727-6.
30. **B. Rajesh Babu**, Koduri Ramam, Influence of Ruthenium on flexible polyvinylidene fluoride/BiKFe₂O₅ multiferroic nanocomposite, Materials Today: Proceedings, 27(2): 1909-1911, June 2020, ISSN 2214-7853, DOI: 10.1016/j.matpr.2020.04.035.
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34. **K. Rohini**, K. Himabindu, P. Ramya Sree, P. Amrutha Manasa, P. Ruby Indu Meena, Assessment of Diverse Techniques for Cyber Bullying Detection on Twitter Using Sentiment Analysis, International Journal of Scientific Research in Engineering and Management (IJSREM), 4(7):1-7, July 2020, ISSN:2582-3930.
35. **Ms. Ch. Sirisha**, Ms. Y. Yagyna Sree, Ms. R. Vyshnavi, Ms. Y. Bhavani, Ms. P. Niharika, Modified VLSI Architecture for Energy Detector in Spectrum Sensing, International Journal of Modern Electronics and Communication Engineering, 8(4): 18-22, July, 2020, ISSN: 2321-2152.

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36. N V S V Vijaya Kumar, **K. Raja Rajeswari**, P. Rajesh Kumar, A Novel Extended Cyclic MUSIC algorithm using Wavelet Decomposition Technique, International Journal of Innovative Science and Modern Engineering, 6(8): 24-27, July 2020, ISSN: 2319-6386, DOI: 10.35940/ijisme.E1194.076820.
37. P.Sirish Kumar, V.B.S. Srilatha Indira Dutt, **Ganesh Laveti**, A novel kinematic positioning algorithm for GPS applications in urban canyons, Material Today: proceedings, 33(7):3359-3365, July,2020, ISSN:2214-7853, DOI :10.1016/j.matpr. 2020.05.165.
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42. Pasam Prudhvi Kiran, E.Laxmi Lydia, **N.Sharmili**, Ravuri Daniel, Dr.A.Krishna Mohan, Simple Forecasting Model for COVID-19 Cases in India - Multilevel Model Evaluation with R^2 , MSE, and MAE, European Journal of Molecular & Clinical Medicine, 7(11): 2130-2142, 2020, ISSN: 2515-8260.
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47. **P.V.S. Lakshmi Jagadamba**, Highly Dense MANET Architecture Using an Energy-Efficient Cluster-Based Routing Protocol, International Journal of Advanced Science and Technology, 29(8): 6426-6439, 2020, ISSN: 2005-4238.
48. **Kumar, B.L.V**, Raja Kumar, K, Image integrity verification using blockchain. Materials Today: Proceedings. DOI: 10.1016/j.matpr.2020.10.864, Dec. 2020, ISSN: 2214-7853.
49. I.C. Sathisha, K. Manjunatha, Anna Bajorek, **B. Rajesh Babu**, B. Chethan, T. Ranjeth Kumar Reddy, Y.T. Ravikiran, V. Jagadeesha Angadi, Enhanced humidity sensing and magnetic properties of bismuth doped copper ferrites for humidity sensor applications, Journal of Alloys and Compounds, 848 (2020): 156577, Dec, 2020, ISSN 0925-8388, DOI: 10.1016/j.jallcom.2020.156577.



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1. **A. H. Chander**, L. K. Sahu and M. Jalhotra, Reliability analysis of Multiple Input Converter, 2020 First International Conference on Power, Control and Computing Technologies (ICPC2T) 03-05 January 2020, pp. 235-239, doi: 10.1109/ICPC2T48082.2020.9071517.
2. **A. H. Chander**, L. K. Sahu and P. T. Bankupalli, Review on General Architecture and Selection of Multiple Input Converters, 2020 First International Conference on Power, Control and Computing Technologies (ICPC2T), 03-05 January 2020, pp. 240-245, doi: 10.1109/ICPC2T48082.2020.9071457.
3. G. Nayak, N. Padhy and **T. K. Mishra**, Mining of EEG Signals for Interpretation of Human Brain Related Ailments: A Survey, 2020 International Conference on Computer Science, Engineering and Applications (ICCSEA), 13-14 March 2020, pp. 1-7, doi: 10.1109/ICCSEA49143.2020.9132911.
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5. PSL Tejaswini, **V.Sree Vidhya**, M.S. Suma, Design and Analysis of Series Loaded Resonant Converter fed by Standalone/PV Source, 2nd International Conference on Advances in Electrical Drives Process Control and Automation, IOP Conf. Series: Materials Science and Engineering 906: 012024, June 2020, doi:10.1088/1757-899X/906/1/012024.
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7. M. Chinnari, T. Mounika, K. Swetha, A. Bharathi and **A. H. Chander**, Implementation of Hysteresis Voltage Control for Different Inverter Topologies, 2020 IEEE India Council International Subsections Conference (INDISCON), 03-04 October 2020, pp. 272-277, doi: 10.1109/INDISCON50162.2020.00062.
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10. M. K. Barwar, L. K. Sahu, P. Bhatnagar, K. K. Gupta and **A. H. Chander**, A Decoupled Low-Frequency Ripple Cancellation Method for High-Power LED Driver circuits, IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society, 18-20 October 2020, pp. 3597-3602, doi: 10.1109/IECON43393.2020.9255287.
11. M.V.K.N.S. Gayathri, **P. Devendra**, K.V. Ramesh, Adaptive Sliding mode control of PUMA 560 robotic arm, International Journal of Engineering Research & Technology, National AICTE Sponsored E-Conference on Systems Modelling and System Dynamics, November 2020, ISSN: 2278-0181.
12. S. P. Vara Prasad, **N. Roopavathi** and P. Ashok Kumar, Design and analysis of rectangular microstrip patch antenna using different dielectric material, National Conference on control, computation and communications (NCCCC 2020), June 2020, ISBN 978-81-945588-2-8.



List of Book Chapters - 2020

1. S. P. R. Borra, K. Ramanjaneyulu, and **K. R. Rajeswari**, A Robust and Oblivious Watermarking Method Using Maximum Wavelet Coefficient Modulation and Genetic Algorithm, in Modeling and Simulation in Engineering - Selected Problems. London, United Kingdom: IntechOpen, [Online]. Available :<https://www.intechopen.com/chapters/73385>, doi:10.5772/intechopen.93832
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