

List of Journal publications in the last 5 years

1. M Karri, CSR Annavarapu, U R Acharya, "Skin lesion segmentation using two-phase cross-domain transfer learning framework", Computer methods and programs in Biomedicine, 231, 107408, (2023) (2023, SCI Impact factor :7.027)
2. A Jain, ACS Rao, P K Jain, Y C Hu, "optimized levy flight model for heart disease prediction using CNN framework in big data", Expert Systems with Applications, 119859, (2023), (2023, SCI Impact factor :8.665)
3. M Wankhade, CSR Annavarapu, A Abraham, "MAPA BiLSTM-BERT: multi-aspects position aware attention for aspect level sentiment analysis", The Journal of Supercomputing, (2023), (1-26), (2023, Impact factor :2.557),
4. P K Donta, S N Srirama, T Amgoth, CSR Annavarapu, "iCoCoA: intelligent congestion control algorithm for CoAP using deep reinforcement learning", Journal of Ambient intelligence and Humanized Computing, (2023), (1-16)
5. A Banerjee, SCK Jagupilla, S Pasupuleti, CSR Annavarapu, "Alternative relationships to enhance the applicability of nonlinear filtration models in porous media", Acta Geophysica, (2022), (1-13), (2022, impact factor :2.293)
6. E Jangam, CSR Annavarapu, AAD Barreto, "a multiclass classification framework for disease screening and disease diagnosis of covid-19 from chest x-ray images", Multimedia tools and applications, (2022), (1-35), (2022, impact factor :2.577)
7. M Wankhade, ACS Rao, "Bidirectional LSTM Attention Mechanism for Sentiment Classification", 2022 2nd Asian Conference on innovation in Technology (ASIANCON), (2022), (1-6)
8. Meghana Karri, Annavarapu Chandra Sekhara Rao, "A Real-time Embedded System to Detect QRS-complex and Arrhythmia Classification using LSTM through Hybridized features", Expert Systems with Applications, 119221, (2022), (2022, SCI Impact Factor: 8.67)
9. Ebenezer Jangam, and Annavarapu Chandra Sekhara Rao, AAD Barreto "A multiclass classification framework for disease screening and disease diagnosis of COVID19 from chest X-ray images", Multimedia Tools and Applications, (In Press) (2022), (2022, SCI Impact Factor: 3.16)
10. Mayur Wankhade, textbf Annavarapu Chandra Sekhara Rao, "Opinion analysis and aspect understanding during covid-19 pandemic using BERT-Bi-LSTM ensemble method", Scientific Reports, (12(1), 1-15) (2022), (SCI Impact Factor: 4.996)
11. M K Verma, Mayur Wankhade, textbf Annavarapu Chandra Sekhara Rao, "CBVoSD: context based vectors over sentiment domain ensemble model for review classifica-

tion", The Journal of Supercomputing, (1-37) (2022), (SCI Impact Factor: 2.6)

12. MeghanaKarri, Annavarapu Chandra Sekhara Rao, U RajendraAcharya "SGC-ARANet: scale-wise global contextual axile reverse attention network for automatic brain tumor segmentation", Applied Intelligence, 1-17, (Nov 2022), (2022,SCI Impact Factor: 5.09)

13. MeghanaKarri, Annavarapu Chandra Sekhara Rao, U RajendraAcharya "Explainable multi-module semantic guided attention based network for medical image segmentation", Computers in Biology and Medicine, (151, 106231) (2022), (2022,SCI Impact Factor: 6.70)

14. MeghanaKarri, Annavarapu Chandra Sekhara Rao, Saurav Mallik, Zhongming Zhao U RajendraAcharya "Multi-class nucleus detection and classification using deep convolutional neural network with enhanced high dimensional dissimilarity translation model on cervical cells", Biocybernetics and Biomedical Engineering, (Available online) (2022), (2022,SCI Impact Factor: 5.70)

15. Meghana Karri; Annavarapu Chandra Sekhara Rao; Kishore Kumar Pedapenki, "A Real-Time Cardiac Arrhythmia Classification using Hybrid Combination of Delta Modulation, 1D-CNN and Blended LSTM", Neural Processing Letters, (Available online) (2022), (2022,SCI Impact Factor: 2.908)

16. Arushi Jain, Annavarapu Chandra Sekhara Rao, Praphula Kumar Jain Ajith Abraham, "Multi-type skin diseases Classification using OP-DNN based feature extraction approach", Multimedia Tools and Applications, (Available online) (2021), (2021,SCI Impact Factor: 2.757)

17. Mayur Wankhade, Annavarapu Chandra Sekhara Rao, "A Survey on Sentiment Analysis Methods, Applications, and Challenges", Artificial Intelligence Review, (Available online) (2022), (2021,SCI Impact Factor: 8.139)

18. D. Praveen Kumar, Tarachand Amgoth, Annavarapu Chandra Sekhara Rao, "Delay-aware Data Fusion in Duty-Cycled Wireless Sensor Networks: A Q-learning Approach", Sustainable Computing: Informatics and Systems, (Available online) (2021), (2021,SCI Impact Factor: 4.028)

19. Abdul Wahid and A.C.S Rao. "RDOF: An outlier detection algorithm based on relative density" in Expert Systems, (Available online) (2021), (2021,SCI Impact Factor: 2.587)

20. Bala Gangadhara Gutam, Praveen Kumar Donta, Annavarapu Chandra Sekhara Rao, Yu-Chen Hu, "Optimal Rendezvous Points Selection and Mobile Sink Trajectory Construction for Data Collection in WSNs", Journal of Ambient Intelligence and Humanized

Computing, (Available online) (2021), (2021,SCI Impact Factor: 7.104)

21. Praveen Kumar Donta, Satish Narayana Srirama, Tarachand Amgoth, and Annavarapu Chandra Sekhara Rao,"Survey on recent advances in IoT application layer protocols and machine learning scope for research directions", Digital Communications and Networks, (Available online) (2021), (2021,SCI Impact Factor: 6.797)
22. Mayur Wankhade,Annavarapu Chandra Sekhara Rao,and Mukul Kirti Verma ,"CB-VoSD: context based vectors over sentiment domain ensemble model for review classification", The Journal of Supercomputing , (Available online) (2021), (2021,SCI Impact Factor: 2.6
23. Ebenezer Jangam, and Annavarapu Chandra Sekhara Rao,"A stacked ensemble for the detection of COVID-19 with high recall and accuracy", Computers in Biology and Medicine, (In Press) (2021), (2021,SCI Impact Factor: 3.434)
24. Purushottam Agrawal , Alok Sinha, Satish Kumar, Ankit Agarwal , Ashes Banerjee, Vasanta Govind Kumar Villuri, Annavarapu Chandra Sekhara Rao, Rajesh Dwivedi , Vijaya Vardhan Reddy Dera, Jitendra Sinha and Srinivas Pasupuleti ,"Exploring Artificial Intelligence Techniques for Groundwater Quality Assessment", Water Journal 2021, 13, 1172, PP: 1-27, (2021,SCI Impact Factor: 2.544)
25. Samson Anosh Babu P, and Annavarapu Chandra Sekhara Rao,"A NOVEL METHOD FOR PROTEIN SUBCELLULAR LOCALIZATION PREDICTION USING DEEP NEURAL NETWORK", Neural Network World, Vol; 31, PP: 29-45 (2021), (2021,SCI Impact Factor: 0.635)
26. Balaji T K, Annavarapu Chandra Sekhara Rao, and Annushree Bablani,"Machine learning algorithms for social media analysis: A survey", Computer Science Review, Vol; 40, PP: 1-32 (2021), (2021,SCI Impact Factor: 7.707)
27. Samson Anosh Babu P, Annavarapu Chandra Sekhara Rao, and Dara Suresh,"Selection Approach for High Dimensional Microarray Data", Chemometrics and Intelligent Laboratory Systems, Vol; 213, PP: 1-17 (2021), (2021,SCI Impact Factor: 2.895)
28. Ebenezer Jangam, Aaron Antonio Dias Barreto, and Annavarapu Chandra Sekhara Rao,"Automatic Detection of COVID-19 from Chest CT Scan and Chest X-Ray Images using Deep Learning, Transfer Learning and Stacking", Applied Intelligence, Available Online (2021), (2021,SCI Impact Factor: 5.08)
29. Samson Anosh Babu P, and Annavarapu Chandra Sekhara Rao,"Deep learning-based improved snapshot ensemble technique for COVID-19 chest X-ray classification", Applied Intelligence, Vol; 51, PP: 3104-3120 (2021),(2021), (2021,SCI Impact Factor: 5.08)

30. D. Praveen Kumar, Tarachand Amgoth, Annavarapu Chandra Sekhara Rao, "An Extended ACO-based Mobile sink Path determination for Wireless Sensor Networks", Journal of Ambient Intelligence and Humanized Computing, (Available online) (2020), (2019,SCI Impact Factor: 4.594)
31. Abdul Wahid and A.C.S Rao."ODRA: An outlier detection algorithm for high dimensional data based on relevant attribute analysis" in Cluster Computing (vol 24. pp 569-585, 2020, (2019,SCI Impact Factor: 3.458)
32. Abdul Wahid and A.C.S Rao."NaNOD: A Natural Neighbor based Outlier Detection Algorithm" in Neural Computing and Applications (vol 33. pp2107-2123, 2020.(2019,SCI Impact Factor: 4.774)
33. Praveen Kumar D., Tarachand Amgoth, Annavarapu Chandra Sekhara Rao, "Data Collection and Path Selection Strategies for 3D Wireless Sensor Networks", IEEE Sensors Journal (vol 20. pp2224-2233, 2019),2019,SCI Impact Factor: 3.073)
34. Abdul Wahid and A.C.S. Rao,"RKDOS: A Relative Kernel Density-based Outlier Score", IETE Technical Review, T and F, (vol 37(5). pp441-452, 2020 (2018,SCI Impact Factor: 1.618)
35. D. Praveen Kumar, Tarachand Amgoth, Annavarapu Chandra Sekhara Rao,"Machine learning algorithms for wireless sensor networks: A survey", Information Fusion, Elsevier, vol. 49, pp. 1-25, Sep 2019. (2018,SCI Impact Factor: 10.713)
36. Amit Chawla, Srinivas Pasupuleti, Sowmiya Chawla, A. C. S. Rao, Kripamoy Sarkar, Rajesh Dwivedi, "Landslide Susceptibility Zonation Mapping: A Case Study from Darjeeling District, Eastern Himalayas, India", Journal of the Indian Society of Remote Sensing, vol 47, Issue 3, pp 497–511, Mar 2019. (2018, SCI Impact Factor: 0.869)
37. Chawla, A., Chawla, S., Pasupuleti, S., A. C. S. Rao, Sarkar, K., & Dwivedi, R., "Landslide Susceptibility Mapping in Darjeeling Himalayas, India," , Advances in Civil Engineering, Hindawi, vol. 2018, Article ID 6416492, 17 pages, 2018. (2018, SCI Impact Factor: 1.104)
38. D. Praveen Kumar, Tarachand Amgoth, Annavarapu Chandra Sekhara Rao, "ACO-based mobile sink path determination for wireless sensor networks under non-uniform data constraints", Applied Soft Computing, vol. 69, pp. 528-540, 2018. (2018, SCI Impact Factor: 4.783)
39. Suresh Dara, Haider Banka, A C S rao, "A Rough Based Hybrid Binary PSO Algorithm for Flat Feature Selection and Classification in Gene Expression Data", Annals of Data Science (Springer), vol.4, issue. 3, pp. 341-360, 2017.

40. A C S Rao, Suresh Dara, Haider Banka Cancer Micro array data Feature selection using multi-objective binary particle swarm optimization, EXCLI Journal, Vol. 15, pp: 462-463,2016 (2016, SCI Impact Factor: 4.022)