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List of Publications:

1. Dr.T.Arumuga Maria Devi, P.Thanga Selvi “Feature Extraction and Classification of Blood Cell on Medical Hyperspectral Imagery for Multi-Graph Convolution Neural Network” Solid State Technology, Volume: 63, Issue: 6, 2020 , ISSN: 0038-111X, IF-0.492
2. Dr.T.Arumuga Maria Devi,Saji K S “Development of Computer Based Speech Therapy Software in Tamil: For people having Speech Disorders and Language Disorders”, International Journal of Scientific Research in Computing, Vol.2, Issue.1, January 2020, ISSN: 2581-9283,IF 4.032 (2017)
3. Principal Author,” Visualization on Bio Electrical Signals through MRI, CT and HSI Analysis in Normal Conditions of Human Body”, International Journal of New Technologies in Science and Engineering, IJNTSE, January 2019, JSSN:2349-0780, Voume 6, Issue 1, IF Underprocessing
4. T. Arumuga Maria Devi, D. Muthukumar, Saji K.S.” Matlab Simulation For Fault Analysis of Electrical Circuit on Hyperspectral Signal Processing”, International Journal of Engineering and Advanced Technology (IJEAT), Volume-9 Issue-1, October 2019,ISSN: 2249 – 8958, IF Underprocessing
5. T. Arumuga Maria Devi, S. Sowmiya,” Risk Factor Of Cancer Diabetic And Heart Disease On Naive Based Algorithm”, International Journal of Research Publications,Volume-4, Issue-1,May 2018, Applied for ISSN, IF Underprocessing
6. Dr.T.Arumuga Maria Devi,Ms.S.Kathija Beevi,Mr.A.Anbarasa kumar,” Price Predictive Analytics Of Share Market Transaction Using R Studio Cluster Dendrogram”, International Journal of Research Publication Volume-3, Issue-1, 06 May 2018, Applied for ISSN, IF Underprocessing
7. D.Muthukumar, Dr.T.Arumuga Maria Devi,” Performance Comparison on Various Bio Electrical Signals of MRI, CT and HSI in Human Abnormal conditions using Hyperspectral Signal Analysis based 3D Visualization”, International Journal for Research in Engineering Application and Management Scopus and UGC approved Journal Volume 04, Issue 04, July 2018, ISSN 2454-9150, IF 5.646
8. Dr. T. Arumuga Maria Devi, Subha Kumar S,” Sentiment Analysis Of Twitter Data Using Shiny Application And NLP”, International Journal of Research Publications Volume-4, Issue-1,May 2018, Applied for ISSN, IF Underprocessing

9. Dr. T. Arumuga Maria Devi, Subha Kumar S,” Diagnosis of Breast Cancer on Decision Tree Modeling with R Packages”, International Journal of Research Publications Volume-4, Issue-1, April 2018, Applied for ISSN, IF Underprocessing
10. Dr.T.Arumuga Maria Devi, Mr.D.Muthukumar, Dr.P.Kumar,” Signal Analysis of Various Filters for Voltage and Current Level Measurement in Series or Parallel RLC Resonant circuits on Hyper Spectral Data Magnification”, International Journal of Advanced Scientific Technologies in Engineering and Management Sciences Volume 1, Issue 1, December 2017, ISSN:2454-356X,IF 4.008 ICI 71.35
11. V.I.mebin Jose, Dr. T. Arumuga Maria Devi, (Second Author),” A Non Invasive Computer Aided Diagnosis System For Early Detection Of Lung Carcinoma In Ct Medical Images”, International Journal of Latest Trends in Engineering and Technology, IJLTET UGC Indexed Journal Vol(8) Issue(4-1) Pp125 130 Doi:Http://Dx.Doi.Org/10.21172/1.841.22, August 2017 Peer Reviewed Online Journal Global, e-ISSN:2278-621X,IF 0.685/1 Cosmos Impact Factor-4.490/10
12. Dr. T. Arumuga Maria Devi, S. Mariammal (Second Author),” SVM Based Performance Of Iris Detection, Segmentation, Normalization, Classification And Authentication Using Histogram Morphological Techniques”, International Journal of Computer Engineering & Technology, IJCET, Volume 7, Issue 4, July–Aug 2016, ISSN Print: 0976-6367 and ISSN Online: 0976–6375, IF 9.3590
13. Sorna Percy. G, Dr. T. Arumuga Maria Devi (Second Author), ” An Efficiently Identify The Diabetic Foot Ulcer Based On Foot Anthropometry Using Hyper Spectral Imaging”, International Journal of Information Technology & Management Information System ,IJITMIS,Volume 7, Issue 2, May-August-2016, ISSN Print: 0976 – 6405 and ISSN Online: 0976 – 6413, IF 6.9081
14. T. Siva Sakthi, Kumar Parasuraman, Arumuga Maria Devi, “Implementation of Lung Cancer Nodule Feature Extraction using Threshold Technique”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 3, Issue 8, August 2016, ISSN (Online) 2393-8021 ISSN (Print) 2394-1588, IF 3.943
15. S. Mohamed Vijithan, Kumar Parasuraman, T. Arumuga Maria Devi (Third Author), “A Novel Approach for MRI Brain Image Segmentation using Local Independent Projection Model”, CIIT International Journal of Digital Image Processing, Vol 8 No 07, July 2016, ISSN 0974 – 9691 & Online: ISSN 0974 – 9586,IF 0.126
16. Kayathri K, Kumar Parasuraman, Arumuga Maria Devi (Third Author), “Acute Myelogenous Leukemia Detection in Blood Microscopic Images”, International Journal of Computer Sciences and Engineering Volume-4, Issue-7, July 2016, E-ISSN: 2347-2693, 2.162 Scopus
17. Dr.T. Arumuga Maria Devi, M.Mathan Raja, “Simultaneous Visualization and Segmentation of Hyperspectral Data using Fuzzy K Means Clustering”, International Journal for Research in Applied Science and Engineering Technology, IJRASET Volume 4, Issue VI, June 2016, ISSN :2321-9653, IC Value 13.98 6.887

18. S.Benisha, Dr.T.Arumuga Maria Devi (Second Author), "Recent Analysis of Parasite Infection on Hyperspectral Camera through Marker Controlled Watershed Segmentation Process", International Journal of Engineering Science and Computing, Volume 6 Issue No. 4, April 2016, ISSN 2321 3361, IF 5.611
19. D.Muthukumar, Dr.T. Arumuga Maria Devi (Second Author), "Analytical study of Voltage and Current level changes in Video Signal on Image Statistics Parameters Measurement", International Journal of Scientific and Engineering Research, Volume 7, Issue 4, April 2016 Edition, ISSN 2229-5518, IF 3.8
20. Dr.T.Arumuga Maria Devi, Ms.I.Rajeswari, " Comparison between the parameter values of EBCOT Pre Encoding Technique on Hyperspectral Band Clustering with EBCOT Post Encoding Technique", Journal of Chemical and Pharmaceutical Sciences (JCPS) Scopus Indexed Journal (SCOPUS), Volume 9, Issue 1, January-March 2016, ISSN 0974-2115 ISSN : 0975-7384 SJR(Elsevier) IF: 0.75(for year 2014)
21. Dr. T. Arumuga Maria Devi, Mr.G.Arumugaraj, "A Novel Technique of Resolution Enhancement in Hyperspectral Images on Proposed CHLAE Technique", Journal of Chemical and Pharmaceutical Sciences (JCPS) Scopus indexed journal(SCOPUS), Volume 9, Issue 1, January-March 2016, ISSN 0974-2115 ISSN : 0975-7384 SJR(Elsevier) IF : 0.75 (for year 2014)
22. V Senthilkumar, T Arumuga Maria Devi (Second Author), " Hyper spectral Image Processing in Coal Detection", Transactions on Engineering and Sciences, Volume 3, Issue 5, July – September 2015, ISSN 2347-1964 (online) ISSN 2347-1875 IF 0.201
23. Aruna Jeyalakshmi, Kumar Parasuraman, T. Arumuga Maria Devi(Third Author)," Graph Cut Based Method for Automatic Lung Segmentation for Tuberculosis by using Screening Method in Chest Radiographs", CIIT International Journal of Digital Image Processing, Volume 7, No 09, October – November 2015, ISSN 0974 – 9691 & Online: ISSN 0974 – 9586, IF 0.126
24. T.Arumuga Maria Devi, S.Benisha, "Final Segmenting Schistosomiasis on Hyperspectral imaging", International Journal of Advanced Engineering Research and Applications, Volume I ,Issue 3, July 2015, ISSN-2454-2377, IF 1.455
25. Kumar Parasuraman, G. Sam Jeba Thurai, T. Arumuga Maria Devi(Third Author), "Blood Vessels Segmentation by Radial Gradient Symmetry Method Via Different Threshold Values", ICTACT JOURNAL on Image and Video Processing, Volume 05, Issue 03, February 2015, ISSN 0976-9099, IF 0.786
26. A. Jebaselvi, Kumar Parasuraman, T. Arumuga Maria Devi (Third Author), "Security Based Speaker Verification for Lip-Password using Learning Multi-Boosted HMMS", CIIT International Journal of Digital Image Processing, Vol 7, 08, August 2015, ISSN 0974 – 9691 & Online: ISSN 0974 – 9586, IF 0.126

27. T Arumuga Maria Devi , I.Rajeswari, “Hyperspectral Band Clustering on EBCOT Pre Encoding Technique”,International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 4, Issue 7, July 2015, ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875, IF 5.016
28. T Arumuga Maria Devi, G.Arumugaraj, “A Modified MSRCR Technique for Hyper Spectral Images on Various Levels of Resolution Enhancement”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 4, Issue 7, July 2015, ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875 IF 5.016
29. T Arumuga Maria Devi, J Jeniba, “Signal Contamination Model for Adaptive Detection Performance of Local Anomalies in Hyper-spectral Images”, International Journal of Advanced Engineering Research and Applications, Vol. – 1, Issue – 2, June – 2015, ISSN: 2454-2377,IF 1.69