

## List of Publications

### International Journals (5)

1. Geetha, G. and Geethalakshmi, S.N. (2011), “Scrutinizing different techniques for artifact removal from EEG signals”, International Journal of Engineering, Science and Technology, Vol 3, No. 2, Pp. 1167-1172 (Scopus Indexed)
2. Geetha, G. and Geethalakshmi, S.N. (2011), “EEG De-noising using SURE thresholding based on Wavelet Transforms”, International Journal of Computers and Their Applications, Vol 24, No.6, Pp.29-33.
3. Geetha, G. and Geethalakshmi, S.N. (2012), “ Noise Cancellation of ocular and muscular artifacts from EEG signals based on Adaptive filtering”, IJCEE International Journal of Computer and Electrical Engineering, Vol.4, No.5, Pp. 785-788.
4. Geetha, G. and Geethalakshmi, S.N. (2012), “ Artifact Removal from EEG using Spatially Constrained FastICA and Fuzzy Shrink Thresholding Technique”, International Journal of Applied Information Systems (IJ AIS) – ISSN : 2249-0868 Foundation of Computer Science FCS, New York, USA Vol 4, No.11, Pp.25-29.
5. Geetha, G. and Geethalakshmi, S.N. (2013), “Feature Extraction for Epileptic Seizure Detection in EEG Signals using Fast Walsh Hadamard Transform (FWHT) and Welch power estimator”, international Journal of Advanced Networking and Applications Vol.4, Pp. 39-42.

### International Conferences (8)

1. Geetha, G. and Geethalakshmi, S.N. (2010), “Noise Cancellation of ocular and muscular artifacts from EEG signals based on Adaptive filtering”, ICEEE China, Vol. 9, Pp. 109.
2. Geetha, G. and Geethalakshmi, S.N.(2011), “ Detecting Epileptic Seizures Using Electroencephalogram: A New and Optimized Method for Seizure Classification using Hybrid Extreme Learning Machine”, International Conference on Process, Automation and Computing ,CIT, Coimbatore. **(IEEE)**

3. Geetha, G. and Geethalakshmi, S.N. (2011), “ De-Noising of EEG signals using Bayes Shrink based on Coiflet Transform” ,Third International Conference on Advances in Recent Technologies in Communication and Computing, ARTCom 2011, Bangalore. **(IET and IEEE)**
4. Geetha, G. and Geethalakshmi, S.N. (2011) , “Artifact Removal from EEG using Spatially Constrained Independent Component Analysis and Wavelet Denoising with Otsu Thresholding Technique”, International Conference on Communication Technology and System Design, Amrita University, Coimbatore. **(Elsevier)**
5. Geetha, G. and Geethalakshmi, S.N. (2012), “Removing EEG Artifacts Using Spatially Constrained Independent Component Analysis and Daubechies Wavelet Based Denoising with Otsu' Thresholding Technique”, The first Indo-Japan Conference on Perception and Machine Intelligence, LNCS 7143 proceedings. **(Springer)**
6. Geetha, G. and Geethalakshmi, S.N. (2012), “ Detecting Epileptic Seizures Using Electroencephalogram: An Optimized Method for Seizure Classification using Support Vector Machine”, International Conference on Machine Vision, Image Processing, and Pattern Analysis, **Waset 2012**
7. Geetha, G. and Geethalakshmi, S.N. (2012), “Detecting Epileptic Seizures Using Electroencephalogram: A Novel Frequency Domain Feature Extraction Technique for Seizure Classification Using Fast ANFIS”, International Conference on Advances in Computing, Communication and Informatics (ICACCI 2012), Chennai **(ACM)**.
8. Geetha, G. and Geethalakshmi, S.N. (2012), “ Detecting Epileptic Seizures Using Using Electroencephalogram: A Novel Technique for Seizure Classification using Fast Walsh Hadamard Transform and Hybrid Extreme Learning Machine”, International Conference on Computational Science, Engineering and Information Technology (CCSEIT-2012), Coimbatore **(ACM)**.