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JOURNAL PUBLICATIONS:

1. Ashwathappa.P, Kamalraj Subramaniam, **Temporal Predictability Based Blind Source Separation– An Approach For Denoising EEG Signal**, *Advances in natural and applied sciences*, Vol 10, pp.15-20, 2016
2. Kamalraj Subramaniam, Sridhar, Paulraj MP” **Evoked Potentials Based Detection of Hearing Threshold Using PSO Neural Network**, *Pakistan Journal of Biotechnology*, Vol 13, pp.357-361, 2016
3. Roshini, Kamalraj Subramaniam, **Magnetic Resonance Imaging: A systematic Review**, *Pakistan Journal of Biotechnology*, Vol 154, pp 7, 2016
4. M. Ashwin, S. Kamalraj, Mubarakali Azath, **Weighted Clustering Trust Model for Mobile Ad Hoc Networks**, *Wireless Personal Communication*, Vol 94, pp.2203–2212, 2017 **[SCI, IF: 2]**
5. MS. Gowtham, Kamalraj Subramaniam, **Power Aware Cross Layer Approach in Manets Using Advanced Congestion Control Approach**, *Special Issue 18-Special Issue*, Vol 9, pp.1600-1615, 2017 **[SCI, IF:1.6]**
6. Nisheena V Iqbal, Kamalraj Subramaniam, **A Review on Upper-Limb Myoelectric Prosthetic Control**, *IETE Journal of Research* pp.1-13, 2017 **[SCI, IF:1.15]**
6. N Thamaraikannan, Kamalraj Subramaniam, **Improving Performance of MANET Using Optimized Energy Efficient Adaptive Weighted Clustering Protocol**, *Special Issue 13-Special Issue* ,Vol 9, pp.618-624 ,2017
7. Kamalraj Subramaniam Renjith V Ravi, **Image Compression and Encryption using Optimized Wavelet Filter Bank and Chaotic Algorithm**, *International Journal of Applied Engineering Research (IJAER)* ,Vol 12, pp.10595-10610, 2017
8. M Ashwin, S Kamalraj, M Azath, **Multi objective trust optimization for efficient communication in wireless M learning applications**, *Cluster Computing*, Springer US, pp.1-9, 2017 **[SCI, IF:1.6]**
9. Kamalraj S, Ashwin, **Clustering with Trust optimization in Manet - A Survey**, *Journal of advanced research in dynamical and control system, JARDCS* ,Vol 9, pp.1318 – 1333, 2017
10. Kamalraj Subramaniam, Renjith V Ravi, **Optimized wavelet filters and modified Huffman Encoding based Compression and Chaotic encryption for Image data**, *International Journal of Applied Engineering Research*, Research India Publication, Vol 12, pp.3961 – 3977, 2017
11. BS Divya, Kamalraj Subramaniam, HR Nanjundaswamy, **Human epithelial type-2 cell categorization using hybrid descriptor with binary tree**, *Journal of Ambient Intelligence and Humanized Computing*, pp.1-8 , 2018 **[SCI, IF:1.5]**

12. MS Gowtham, Kamalraj Subramaniam, **Congestion control and packet recovery for cross layer approach in MANET**, *Cluster Computing*, pp.1-8, 2018 [SCI, IF: 1.6]
13. Kamalraj Subramaniam, Nisheena V Iqbal, **Classification of Fractal features of Uterine EMG Signal for the Prediction of Preterm Birth**, *Biomedical and Pharmacology Journal*, pp. 369-374, 2018
14. Nisheena V Iqbal, Kamalraj Subramaniam, **Wavelet Packet Entropy Based Control of Myoelectric Prosthesis**, *Biomedical and Pharmacology Journal*, pp. 375-380, 2018
15. Kamalraj Subramaniam, Nisheena V Iqbal, **A review of significant researches on prediction of preterm birth using uterine electromyogram signal**, *Future Generation Computer Systems*, 2018. [SCI, IF: 4.9]
16. Lakshmi R Nair, Kamalraj Subramaniam, **An Effective Image Retrieval System Using Color, Luminance, Texture with Shape Invariants Features**, *Special Issue 11-Special Issue*, pp. 1030-1047, 2018.
17. P Shaniba Asmi, Kamalraj Subramaniam, Nisheena V Iqbal, **Entropy Based Feature Extraction of Electrohysterogram Signal for the Prediction of Preterm Birth**. *Indian Journal of Public Health Research & Development*, Vol 9 ,2018
18. Nisheena V Iqbal, Kamalraj Subramaniam, P Shaniba Asmi, **Effective Control of Upper Limb Myoelectric Prosthesis**, *Indian Journal of Public Health Research & Development*, Vol9, 2018.
19. N Rejith, Kamalraj Subramaniam, **Classification of Emotional States in Parkinson's Disease Patients using Machine Learning Algorithms**, *Biomedical and Pharmacology Journal*, pp. 333-341, 2018.
20. KN Rejith, Kamalraj Subramaniam, **Analysis of emotional states in parkinson's disease using entropy, Energy-Entropy and teager Energy-Entropy features**, *Indian Journal of Public Health Research & Development*, pp. 1093-1098, 2018.
21. Balamanigandan Ramachandran, Kamalraj Subramaniam, **Secure and efficient data forwarding in untrusted cloud environment**, *Cluster Computing*, pp. 1-9, 2018. [SCI, IF: 1.6]
22. BS Divya, Kamalraj Subramaniam, HR Nanjundaswamy, **Human Epithelial Type-2 Cell Image Classification Using an Artificial Neural Network with Hybrid Descriptors**, *IETE Journal of Research* pp.1-13, 2018 [SCI, IF:1.5]
23. J Wilson, Kamalraj Subramaniam, **Improved multi objective data transmission using conventional route selection algorithm in mobile ad hoc network**, *Peer-to-Peer Networking and Applications*, DOI:10.1007/s12652-019-01237-x, 2019. [SCI, IF: 1.8]
24. M Ashwin, S Kamalraj, M Azath, **Multi objective trust optimization for efficient communication in wireless M learning applications**, *Cluster Computing*, 2019, [SCI, IF: 2.0]
25. Nisheena V Iqbal, Kamalraj Subramaniam, **Robust feature sets for contraction level invariant control of upper limb myoelectric prosthesis**, *Biomedical Signal Processing and Control*, 2019.
- 26.. Balamanigandan Ramachandran, Kamalraj Subramaniam, **Secure and efficient data forwarding in untrusted cloud environment**, *Cluster Computing*, 2019.
27. Priyanka Parvathy, Kamalraj Subramaniam, **Rapid speedup segment analysis based feature extraction for hand gesture recognition**, *Multimedia Tools and Applications*, 2019.

28. N Thamaraikannan, S Kamalraj, **Utilization of compact genetic algorithm for optimal shortest path selection to improve the throughput in mobile Ad-Hoc networks**, Cluster Computing, DOI:10.1007/s11042-019-7528-1, 2019.
29. Lakshmi R Nair, Kamalraj Subramaniam, GKD Prasanna Venkatesan, **An effective image retrieval system using machine learning and fuzzy c-means clustering approach**, IEEE Transactions on Consumer Electronics, ISSN:2249 – 8958, 2019.
30. A. Mohanarathinam, Kamalraj Subramaniam, Prakash NB, Hemalakshmi GR, G.K.D.Prasanna Venkatesan, **An Image Based Encryption Algorithm for Multimedia Applications**, IEEE Transactions on Consumer Electronics, ISSN:2249 – 8958, 2019.
31. Renjith V Ravi, Kamalraj Subramaniam, TV Roshini, Sundar Prakash Balaji Muthusamy, GKD Prasanna Venkatesan, **Optimization algorithms, an effective tool for the design of digital filters; a review**, Journal of Ambient Intelligence and Humanized Computing, 2019.
32. P Shaniba Asmi, Kamalraj Subramaniam, Nisheena V Iqbal, **Classification of Nonlinear Features of Uterine Electromyogram Signal Towards the Prediction of Preterm Birth**, IETE Journal of Research, 2019.
33. Kamalraj subramaniam, **Image compression using optimized wavelet filter derived from grey wolf algorithm**, Journal of Ambient Intelligence and Humanized Computing, 2020.
34. Dr.Kamalraj subramaniam, **Synergic deep learning based preoperative metric prediction and patient oriented payment model for total hip arthroplasty**, Journal of Ambient Intelligence and Humanized Computing, 2020.
35. Dr.Kamalraj subramaniam, **Adaptive Gaussian notch filter for removing periodic noise from digital images**, IET Digital Library, 2020.
36. Dr.Kamalraj subramaniam, **High-Speed Modified DA Architecture for DWT Computation in Secure Image Encoding**, Advances in Electrical and Computer Technologies, 2020.
37. Dr.Kamalraj subramaniam, **A Bi-spectrum Analysis of Uterine Electromyogram Signal Towards the Prediction of Preterm Birth**, Recent Trends and Advances in Artificial Intelligence and Internet of Things, 2020.