**LIST OF PUBLICATIONS:**

1. 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
2. Dr.Kamalraj subramaniam, High-Speed Modified DA Architecture for DWT Computation in Secure Image Encoding, Advances in Electrical and Computer Technologies, 2020.
3. Dr.Kamalraj subramaniam, Adaptive Gaussian notch filter for removing periodic noise from digital images, IET Digital Library, 2020.
4. 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.
5. Dr.Kamalraj subramaniam, Image compression using optimized wavelet filter derived from grey wolf algorithm, Journal of Ambient Intelligence and Humanized Computing, 2020.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. Priyanka Parvathy, Kamalraj Subramaniam, Rapid speedup segment analysis based feature extraction for hand gesture recognition, Multimedia Tools and Applications, 2019.
12. Balamanigandan Ramachandran, Kamalraj Subramaniam, Secure and efficient data forwarding in untrusted cloud environment, Cluster Computing, 2019.
13. Nisheena V Iqbal, Kamalraj Subramaniam, Robust feature sets for contraction level invariant control of upper limb myoelectric prosthesis, Biomedical Signal Processing and Control, 2019.

14. 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]
15. 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]
16. 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]
17. Balamanigandan Ramachandran, Kamalraj Subramaniam, Secure and efficient data forwarding in untrusted cloud environment, Cluster Computing, pp. 1-9, 2018. [SCI, IF: 1.6]
18. 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.
19. KN 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. Nisheena V Iqbal, Kamalraj Subramaniam, P Shaniba Asmi, Effective Control of Upper Limb Myoelectric Prosthesis, Indian Journal of Public Health Research & Development, Vol9, 2018.
21. 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
22. 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.
23. 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]
24. Nisheena V Iqbal, Kamalraj Subramaniam, Wavelet Packet Entropy Based Control of Myoelectric Prosthesis, Biomedical and Pharmacology Journal,pp. 375-380,2018
25. 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
26. MS Gowtham, Kamalraj Subramaniam, Congestion control and packet recovery for cross layer approach in MANET, *Cluster Computin*g, pp.1-8, 2018 [SCI, IF: 1.6]
27. 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]

28. 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
29. 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
30. 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]
31. 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
32. 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
33. 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]
34. 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]
35. M. Ashwin, S. Kamalraj, Mubarakali Azath, Weighted Clustering Trust Model for Mobile Ad Hoc Networks, *WirelessPersonal Communication*, Vol 94, pp.2203–2212, 2017 [SCI, IF: 2]
36. Roshini, Kamalraj Subramaniam, Magnetic Resonance Imaging: A systematic Review, *Pakistan Journal of Biotechnology*,Vol 154, pp 7, 2016
37. 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
38. 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
39. Sampath, Muthuraman Ramaswamy,Kamalraj Subramaniam, " Smart Supervisory Control for Optimized Power Management System of hybrid Micro-Grid", *International journal of applied engineering research*, Vol 11, pp.3980-3986,2016
40. Infant Augustine, Kamalraj Subramaniam "LPG consumption, monitoring and Booking system "*International journal of applied engineering research*, Vol 4, pp.3993-3998,2016
41. Shanthi, Kamalraj S "Design of low complexity Fault Tolerant Parallel FFTS using partial summation" *International journal of applied engineering research*, Vol 4,

pp.2955-2960,2016

42. Paulraj M P, Kamalraj Subramaniam, Hema C R, "Classification of Hearing perception level using Auditory evoked potentials, *Jurnal Teknologi*, Vol 77:28, pp.73-78,2015