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LIST OF PUBLICATIONS

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1. **Dr.Kamalraj subramaniam**, Shaniba Asmi P, Nisheena Iqbal "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, pp.67-74, DOI: 10.1007/978-3-030-32644-9_8, 2020

2. Renjith V. Ravi, **Dr.Kamalraj subramaniam**, G. K. D Prasanna Venkatesan "High-Speed Modified DA Architecture for DWT Computation in Secure Image Encoding", Advances in Electrical and Computer Technologies, volume 672 ,Pages 1057-1068, 2020

3. Justin Varghese; Saudia Subhash; **Kamalraj Subramaniam**; Kuttaiyur Palaniswamy Sridhar, "Adaptive Gaussian notch filter for removing periodic noise from digital images", IET Digital Library, *DOI:* 10.1049/iet-ipr.2018.5707

4. Sundar Prakash Balaji Muthusamy,Jayabharathy Raju, M. Ashwin,Renjith V. Ravi, M. Lordwin Cecil Prabaker, **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. Renjith V. Ravi,**Dr.Kamalraj subramaniam**, "Image compression using optimized wavelet filter derived from grey wolf algorithm", Journal of Ambient Intelligence and Humanized Computing, 2020, https://doi.org/10.1007/s12652-020-02290-7

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, https://doi.org/10.1080/03772063.2019.1634491

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,

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.

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

17. Balamanigandan Ramachandran, **Kamalraj Subramaniam**, "Secure and efficient data forwarding in untrusted cloud environment", Cluster Computing, pp. 1-9, 2018

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.

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 Computing, pp.1-8, 2018

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

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

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. Nisheena V Iqbal, **Kamalraj Subramaniam**, "A Review on Upper-Limb Myoelectric Prosthetic Control", IETE Journal of Research pp.1-13, 2017

33. 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

34. M. Ashwin,**S. Kamalraj**, Mubarakali Azath, "Weighted Clustering Trust Model for Mobile Ad Hoc Networks", Wireless Personal Communication, Vol 94, pp.2203–2212, 2017

35. Roshini, **Kamalraj Subramaniam**, "Magnetic Resonance Imaging: A systematic Review", Pakistan Journal of Biotechnology,Vol 154, pp 7, 2016

36. **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

37. 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

38. 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

39. Infant Augustine, **Kamalraj Subramaniam** "LPG consumption, monitoring and Booking system "International journal of applied engineering research, Vol 4, pp.3993-3998,2016

40. 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

41. 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