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Area of Specialization: Image Processing

## List of Publications

1. Justin Varghese, Saudia Subhash, **Kamalraj Subramaniam**, "Adaptive Gaussian notch filter for removing periodic noise from digital images", IET Digital Library, 2020.

2. **Dr.Kamalraj Subramaniam**, Image compression using optimized wavelet filter derived from grey wolf algorithm, Journal of Ambient Intelligence and Humanized Computing, 2020.

3. **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.

4. **Dr.Kamalraj Subramaniam**, Adaptive Gaussian notch filter for removing periodic noise from digital images, IET Digital Library, 2020.

5. **Dr.Kamalraj Subramaniam**, High-Speed Modified DA Architecture for DWT Computation in Secure Image Encoding, Advances in Electrical and Computer Technologies, 2020.

6. **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.

7. A Vijayalakshmi; M Shahaana; N C D Nivetha; **Kamalraj Subramaniam**, "Development of Prognosis Tool for Type-II Diabetics using Tongue Image Analysis", International Conference on Smart Structures and Systems (ICSSS), 2020.

8. 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, 2019.

9. M Ashwin, **S Kamalraj**, M Azath, "Multi objective trust optimization for efficient communication in wireless M learning applications", Cluster Computing, 2019.

10. Nisheena V Iqbal**, Kamalraj Subramaniam**, "Robust feature sets for contraction level invariant control of upper limb myoelectric prosthesis", Biomedical Signal Processing and Control, 2019.

11. Balamanigandan Ramachandran, **Kamalraj,** "Secure and efficient data forwarding in untrusted cloud environment", Cluster Computing, 2019.

12. D Priyanka Parvathy, **Kamalraj Subramaniam**, "Rapid speedup segment analysis based feature extraction for hand gesture recognition", Multimedia Tools and Applications, 2019.

13. 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, 2019.

14. Lakshmi R Nair, **Kamalraj Subramaniam**, GKD Prasanna Venkatesan, "An effective image retrieval system using machine learning and fuzzy c-means clustering approach", Multimedia Tools and Applications, 2019.

15. 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, 2019.

16. A. Mohanarathinam,**S. Kamalraj,**G. K. D. Prasanna Venkatesan, Renjith V. Ravi &C. S. Manikandababu, "Digital watermarking techniques for image security: a review", Journal of Ambient Intelligence and Humanized Computing, 2019.

17. 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.

18. 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.

19. Nisheena V Iqbal, **Kamalraj Subramaniam**, Asmi P Shaniba, "Effective control of upper limb myoelectric prosthesis", Indian Journal of Public Health Research & Development, 2018.

20. Nisheena V Iqbal, **Kamalraj Subramaniam**, "A review on upper-limb myoelectric prosthetic control", IETE Journal of Research, 2018.

21. 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, 2018.

22. **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, 2017.

23. **Kamalraj Subramaniam,** Renjith V Ravi, "Image Compression and Encryption using Optimized Wavelet Filter Bank and Chaotic Algorithm", International Journal of Applied Engineering Research (IJAER), 2017.

24. Nisheena V Iqbal, **Kamalraj Subramaniam**, "A review on upper-limb myoelectric prosthetic control", IETE Journal of Research, 2017.

25. Mubarakali Azath M.Aushwin, **S. Kamalraj**, "Weighted Clustering Trust Model for Mobile ad Hoc Networks", Wireless Personal Communication, 2017.

26. Lakshmi R Nair, **Kamalraj Subramaniam**, "A Review Of Luminance And Color Invariants Based Partial Medical Image Retrieval Systems", Pak. J. Biotechnology, 2016.

27. TV Roshini, **Kamalraj Subramaniam**, "Laser Cooling System for Magnetic Resonance Imaging Scanner using Normal Controller", International Journal of Computer Applications, 2016.

28. Anoopa Jose Chittilappilly, **Kamalraj Subramaniam**, "WNN in Image Restoration for Industrial Applications", International Journal of Computer Applications, 2016.

29. **Kamalraj Subramaniam** M.Sampath, Muthuraman Ramasamy, "Smart Supervisory Control for Optimized Power Management System of hybrid Micro-Grid", International Journal of Applied Engineering Research, 2016.

30. **Kamalraj Subramaniam**, S. Shanthi, "Design of Low complexity Fault Tolerant Parallel FFTs Using Partial Summation", International Journal of Applied Engineering

Research, 2016.

31. Sridhar, K. P., Deepa, S., **Kamalraj Subramanian**, & Marimuthu, C. N, "Security enhancement in EQ-LEACH routing protocol", Thomson Router, 2016.

32. **Kamalraj Subramaniam**, Paulraj, M. P., & Divya, B. S, "EEG based hearing states detection using AR modeling techniques", Journal of Biocybernetics and Biomedical Engineering, 2016.

33. Aswathappa, P., & **Kamal Raj. S**, "Temporal predictability based blind source separation-an approach for denoising EEG signal", Advances in Natural and Applied Sciences, 2016.