

## Publications

1. MSP Balaji, S Saravanan, M Chandrasekar, G Rajkumar, **S Kamalraj**, Analysis of basic neural network types for automated skin cancer classification using Firefly optimization method, Journal of Ambient Intelligence and Humanized Computing, 1-14 – 2020
2. RV Ravi, **K Subramaniam**, Image compression using optimized wavelet filter derived from grey wolf algorithm, Journal of Ambient Intelligence and Humanized Computing, 1-12 – 2020
3. RV Ravi, **K Subramaniam**, Optimized Wavelet Filter from Genetic Algorithm, for Image Compression, 7th International Conference on Smart Structures and Systems (ICSSS), 1-6 – 2020
4. RV Ravi, **K Subramaniam**, Optimized Two-Dimensional Wavelet Filter from BAT Algorithm, 7th International Conference on Smart Structures and Systems (ICSSS), 1-7 – 2020
5. P Parvathy, **K Subramaniam**, GKDP Venkatesan, P Karthikaikumar, Development of hand gesture recognition system using machine learning, Journal of Ambient Intelligence and Humanized Computing, 1-8 – 2020
6. CU Kumar, **S Kamalraj**, Ambient intelligence architecture of MRPM context based 12-tap further desensitized half band FIR filter for EEG signal, Journal of Ambient Intelligence and Humanized Computing 11 (4), 1459-1466 – 2020
7. LR Nair, **K Subramaniam**, GKDP Venkatesan, an effective image retrieval system using machine learning and fuzzy c-means clustering approach, Multimedia Tools and Applications 79 (15), 10123-10140 – 2020
8. RS Ram, MLC Prabhaker, K Suresh, **K Subramaniam**, M Venkatesan, Dynamic partial reconfiguration enhanced with security system for reduced area and low power consumption, Microprocessors and Microsystems, 103088 – 2020
9. J Varghese, S Subhash, **K Subramaniam**, KP Sridhar, Adaptive Gaussian notch filter for removing periodic noise from digital images, IET Image Processing 14 (8), 1529-1538 – 2020
10. BS Divya, **K Subramaniam**, HR Nanjundaswamy, Human epithelial type-2 cell image classification using an artificial neural network with hybrid descriptors, IETE Journal of Research 66 (1), 30-41 – 2020
11. KN Rejith, **K Subramaniam**, A review on emotion recognition in Parkinson's disease using bioinformatics, International Journal of Medical Engineering and Informatics 12 (6), 542-552 – 2020
12. BS Divya, **K Subramaniam**, HR Nanjundaswamy, A study on indirect immunofluorescence image classification methods for bioinformatics, International Journal of Medical Engineering and Informatics 12 (6), 553-567 – 2020
13. RV Ravi, **K Subramaniam**, GKDP Venkatesan, High-Speed Modified DA Architecture for DWT Computation in Secure Image Encoding, Advances in Electrical and Computer Technologies, 1057-1068 – 2020
14. RV Ravi, **K Subramaniam**, GKDP Venkatesan, Low Power Area Efficient Improved DWT and AES Architectures for Secure Image Coding, Advances in Electrical and Computer Technologies, 33-45 – 2020
15. **K Subramaniam**, PS Asmi, NV Iqbal, A Bi-spectrum Analysis of Uterine Electromyogram Signal Towards Recent Trends and Advances in Artificial Intelligence and Internet of Things – 2019.

16. J Wilson, **K Subramaniam**, Improved multi objective data transmission using conventional route selection algorithm in mobile ad hoc network, Peer-to-Peer Networking and Applications, 1-11 – 2019
17. **S Kamalraj**, KN Rejith, GKDP Venkatesan, Frequency domain analysis for the classification of parkinson's disease patients, IOP Conference Series: Materials Science and Engineering 561 (1), 012126 – 2019
18. A Mohanarathinam, **S Kamalraj**, GKDP Venkatesan, RV Ravi, Digital watermarking techniques for image security: a review Journal of Ambient Intelligence and Humanized Computing, 1-9 – 2019
19. M Ashwin, **S Kamalraj**, M Azath, Multi objective trust optimization for efficient communication in wireless M learning applications, Cluster Computing 22 (5), 10687-10695 – 2019
20. DP Parvathy, **K Subramaniam**, Rapid speedup segment analysis-based feature extraction for hand gesture recognition, Multimedia Tools and Applications, 1-16 – 2019
21. **K Subramaniam**, NV Iqbal, Classification of fractal features of uterine EMG signal for the prediction of preterm birth Biomedical and Pharmacology Journal 11 (1), 369-374 – 2018
22. D Priyanka Parvathy, **K Subramaniam**, Performance comparison of segmentation algorithms for hand gesture recognition International Journal of Engineering & Technology 7 (3), 1227-12- 2018
23. KN Rejith, **K 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 9 (10), 1093-1098 – 2018
24. NV Iqbal, **K Subramaniam**, AP Shaniba, Effective control of upper limb myoelectric prosthesis Indian Journal of Public Health Research & Development 9 (8), 1572-1575 - 2018
25. J Wilson, K Subramaniam, Distorted Data Fall Backing Using Inquiry Creation in Mobile Ad Hoc Network Journal of Computational and Theoretical Nanoscience 14 (12), 5980-5988- 2017
26. M Ayyaswamy, **K Subramaniam**, M Perumal, Design and Development of Steganography Using Hybrid Transform with Decomposition Based Embedding Algorithm and Hybrid Encryption Scheme Journal of Computational and Theoretical Nanoscience 14 (12), 5989-5996 - 2017
27. AJ Chittilappilly, **K Subramaniam**, SVM based defect detection for industrial applications 2017 4th International Conference on Advanced Computing and Communication - 2017
28. P Yuvaraj, T Rajendran, **K Subramaniam**, Design of 4-bit multiplexer using Sub-Threshold Adiabatic Logic (STAL) Pak J Biotechnol 14 (2), 261-4 - 2017
29. KS Renjith V Ravi, Image Compression and Encryption using Optimized Wavelet Filter Bank and Chaotic Algorithm International Journal of Applied Engineering Research (IJAER) 12 (21), 10595 – 2017
30. BS Divya, **K Subramaniam**, HR Nanjundaswamy, HEp-2 cell classification using artificial neural network approach 23rd International Conference on Pattern Recognition (ICPR), 84-89- 2016
31. **K Subramaniam**, MP Paulraj, BS Divya, EEG based hearing states detection using AR modeling techniques IEEE EMBS Conference on Biomedical Engineering and Sciences (IECBES -2016
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33. LR Nair, **K Subramaniam**, A Review of Luminance And Color Invariants Based Partial Medical Image Retrieval Systems Pak. J. Biotechnol 13, 87-95 - 2016
34. I Augustine, K Subramaniam, LPG consumption, monitoring and Booking system Int. J. Appl. Eng. Res 4, 3993-3998- 2016
35. TV Roshini, **K Subramaniam**, Laser Cooling System for Magnetic Resonance Imaging Scanner using Normal Controller International Journal of Computer Applications 975, 8887- 2016
36. AJ Chittilappilly, **K Subramaniam**, WNN in Image Restoration for Industrial Applications International Journal of Computer Applications 154 (10)- 2016
37. MP Paulraj, **K Subramaniam**, SB Yaccob, AHB Adom, CR Hema, Auditory evoked potential response and hearing loss: a review The open biomedical engineering journal 9, 17- 2015