

1. A. K. Bhandari, A. Kumar, and G. K. Singh, Performance Study of Evolutionary Algorithm for Different Wavelet Filters for Satellite Image Denoising using Sub-band Adaptive Threshold , Journal of Experimental & Theoretical Artificial Intelligence (2016), Vol. 28 (1).
2. I. Sharma, A. Kumar and G. K. Singh, Adjustable Window Based Design of Multiplier-less Cosine Modulated Filter Bank using Swarm Optimization Algorithms, AEUE - International Journal of Electronics and Communications (2016), Vol. 70, pp.85-94.
3. M. K. Ahirwal, A. Kumar, and G. K. Singh, Scaled Correlation Analysis of EEG: A New Measure of Signal Influence IET Science, Measurement & Technology (2016), Vol. 10 (6), pp. 585-596.
4. M. K. Ahirwal, A. Kumar, and G. K. Singh Sub-band classification of decomposed single event-related potential co-variants for multi-class brain-computer interface: a qualitative and quantitative approach, IET Science, Measurement & Technology (2016), Vol. 10 (4), pp. 355-363.
5. R. Kumar, A. Kumar and G. K. Singh, Electrocardiogram Signal Compression Based on Singular Value Decomposition (SVD) and Adaptive Scanning Wavelet Difference Reduction (ASWDR) Technique, AEU-International Journal of Electronics and Communications (2016), Vol. 69, pp. 1810-1822.
6. A. K. Bhandari, D. Kumar A. Kumar and G. K. Singh, Optimal Sub-Band Adaptive Thresholding based Edge Preserved Satellite Image Denoising using Adaptive Differential Evolution Algorithm, Neurocomputing (Elsevier) (2016), vol. 174(1), pp. 698-721.
7. AK Bhandari, A Kumar, S Chaudhary, GK Singh, A novel color image multilevel thresholding based segmentation using nature inspired optimization algorithms, Expert Systems with Applications (Elsevier) (2016), Vol. 63(1), pp. 112-133.
8. B. Kuldeep, A. Kumar and G. K. Singh, Design of Quadrature Mirror Filter Bank using Lagrange Multiplier Method Based on Fractional Derivative Constraints, Engineering Science and Technology , an International Journal (Elsevier) (2016), Vol. 18(2), pp. 235-243.
9. I Sharma, A Kumar, GK Singh, An Efficient Method for Designing Multiplier-Less Non-Uniform Filter Bank Based on Hybrid Method Using CSE Technique, Circuits, Systems, and Signal Processing (2016).
10. V Mishra, V Bajaj, A Kumar, GK Singh, Analysis of ALS and normal EMG signals based on empirical mode decomposition, IET Science, Measurement & Technology (2016), Vol. 10 (8), pp. 963-971.
11. A. Kumar, R. Pooja and G. K. Singh, An Efficient Closed-Form Design Method for Nearly Perfect Reconstruction of Non-Uniform Filter Bank, ISA Transactions (Elsevier) (2016), Vol. 61(1), pp. 167-178.
12. A. Kumar, S. Suman, and G.K. Singh, A New Method for Higher Order Linear Phase FIR Digital Filter using Shifted Chebyshev Polynomials, Signal Image and Video Processing (Springer) (2016), Vol. 8(3), pp. 170-183.
13. S Jain, A Kumar, V Bajaj, A New Technique for QRS Complex Detection using Particle Swarm Optimization (PSO), IET Science, Measurement & Technology (2016), Vol. 10 (6), pp. 626-636.
14. R. Kumar, A. Kumar and G. K. Singh, ECG Signal Compression using Singular Coefficient Truncation and Wavelet Coefficient Coding IET Science, Measurement & Technology (2016), Vol. 10(4), pp. 266-274.
15. A. K. Bhandari, A. Kumar and G. K. Singh, Dark Satellite Image Enhancement using Knee Transfer Function and Gamma Correction based on DWT-SVD, Multidimensional Systems and Signal Processing (Springer) (2016), Vol. 27 (2), pp. 453-476.
16. A. Vishwakarma, A. Kumar, and G. K. Singh, Trans multiplexer filter bank systems: a research overview, Int. J. Signal and Imaging Systems Engineering (2016), Vol. 9(3), pp. 146-154.
17. S. Jain, M. K. Ahirwal, A. Kumar, Varun Bajaj, and G. K. Singh, QRS Detection using Adaptive Filters, ISA Transactions (2016).
18. R. Kumar, A. Kumar and G. K. Singh, Hybrid Method based on Singular Value Decomposition and Embedded Zero Tree Wavelet Technique for ECG Signal Compression, Computer Methods and Programs in Biomedicine (2016).
19. R Kumar, A Kumar, GK Singh, Electrocardiogram Signal Compression Based on 2D-Transforms: A Research Overview, Journal of Medical Imaging and Health Informatics (2016), Vol. 6 (2), pp. 285-296.
20. M. K. Ahirwal, A. Kumar, and G. K. Singh, Study of ABC and PSO Algorithms as Optimized Adaptive Noise Canceller for EEG/ERP, International Journal of Bio-Inspired Computation (2016), Vol. 8(3), pp. 170-183.
21. I. Sharma, A. Kumar, G. K. Singh and H.-N. Lee, Design of Multiplier Less Prototype Filter for Two-channel Filter Bank using Hybrid Method in FCSF Space, IET Circuits, Devices & Systems (2016).

22. S Pare, A Kumar, V Bajaj, GK Sing, A multilevel color image segmentation technique based on cuckoo search algorithm and energy curve, *Applied Soft Computing* (Elsevier) (2016), Vol. 47, pp. 76-102.
23. S Jain, V Bajaj, A Kumar, Efficient algorithm for classification of electrocardiogram beats based on artificial bee colony-based least-squares support vector machines classifier, *Electronics Letter* (2016), Vol. 62(14), pp. 1198-1200.
24. Ã–mer F. ALÃ†IN, Siuly SIULY, Varun BAJAJ, Yanhui Guo, Abdulkadir SENGÃœR, Yanchun Zhang, Multi-category EEG signal classification developing Time-Frequency Texture Features based Fisher Vector encoding method, *Neurocomputing* (2016), Vol. 218, pp. 251-258.
25. V. Bajaj, y. Guo, a. Sengur, s. Siuly, F. Alcin, A hybrid method based on Time-Frequency images for classification of alcohol and control EEG signals, *Neural Computing and Applications* (2016).