

2013

- [1] A. Kumar, G. K. Singh, G. Rajesh and K. Ranjeet, "The optimized wavelet filter bank for speech compression", International Journal of Speech Technology (Springer), Vol. 16, No. 2, 171-179, 2013.
- [2] A. Kumar, S. Anurag and G. K. Singh, "An Efficient Iterative Method for Nearly Perfect Reconstruction Non-Uniform Filter bank", International Journal of Speech Technology (Springer), Vol. 16, pp.261-272, 2013.
- [3] A. Kumar, B. Kuldeep, and R. K. Pandey, "An Efficient Constrained Optimization Method for Designing Two-Channel Quadrature Mirror Filter Banks", Indian Journal of Industrial and Applied Mathematics 4 (1a), 81-87, 2013.
- [4] K K Singh, R K Pandey, and A Kumar, "Numerical Inversion of Laplace Transforms Using Wavelet", Indian Journal of Industrial and Applied Mathematics 4 (1a), 88-93, 2013.
- [5] V. Soni, A. K. Bhandari, A. Kumar and G. K. Singh, "An Improved Subband Adaptive Thresholding Function for Denoising of Satellite Image Based on Evolutionary Algorithms", IET Signal Processing, Vol. 7, No. 8, pp. 720-730, 2013. (Impact factor: 1.298)
- [6] A. Kumar, S. Anurag and G. K. Singh, "Design of Nearly Perfect Reconstructed Non-Uniform Filter bank by Constrained Equiripple FIR Technique", Applied Soft Computing (Elsevier), Vol. 13, No.1, pp. 353-360, 2013. (Impact Factor: 3.541)
- [7] S. M. Rafi, A. Kumar, G. K. Singh, "An Improved Particle Swarm Optimization Method for Multirate Filter Bank", Journal of the Franklin Institute, Vol. 350, No. 4, pp. 757-769, 2013. (Impact Factor: 3.139)
- [8] A. Kumar, G. K. Singh, and R. S. Anand, "An Improved Method for the Design of Quadrature Mirror Filter Banks using Marquardt Optimization Technique", Signal Image and Video Processing (Springer), Vol. 7, No. 2, pp. 209-220, 2013. (Impact Factor 1.012)
- [9] A. Kumar, K. Ranjeet and R. K. Pandey, "Beta Wavelet Based ECG Signal Compression using Lossless Encoding with Modified Thresholding", Computer & Electrical Engineering (Elsevier), Vol. 39, No. 1, pp. 130-140, 2013. (Impact Factor: 1.570)
- [10] V. Bajaj and R.B. Pachori, Automatic classification of sleep stages based on the time-frequency image of EEG signals, Computer Methods and Programs in Biomedicine, Elsevier ISSN No: 0169-2607 Impact Factor: 1.862, vol. 112, issue 3, pp. 320-328, 2013. IF-1.897.
- [11] V. Bajaj and R.B. Pachori, Epileptic seizure detection based on the instantaneous area of analytic intrinsic mode functions of EEG signals, Biomedical Engineering Letters, ISSN: 2093-9868 Impact factor: 0.89, vol. 3, issue 1, pp. 17-21, 2013.