

## 2013:

1. V. Soni, A. K. Bhandari, A. Kumar and G. K. Singh, "An Improved Sub-band Adaptive Thresholding Function for Denoising of Satellite Image Based on Evolutionary Algorithms" IET Signal Processing (In Press)
2. 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: 2.620 )
3. 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: 0.837 )
4. 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: 0.613 )
5. S. M. Rafi, A. Kumar, G. K. Singh, "An Improved Particle Swarm Optimization Method for Multirate Filter Bank", Journal of Franklin Institute, Vol. 350, No. 4, pp. 757-769, 2013. (Impact factor: 2.724 )
6. 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. (Impact factor: 1.09 )
7. A. Kumar, D. Kumar," Novel Polarization Independent Metamaterial and its Application in Patch Antenna", Microwave and Optical Tech. Letters 2013, Vol.55, Iss.8, pp. 1963–1969.
8. A. Bhardwaj, D. Kumar, "Optical Dot Antenna", Microwave and Optical Tech. Letters, 2013, Vol. 55, Iss. 1, pp. 149–156.
9. A. Kumar, D. Kumar," High Performance Metamaterial Patch Antenna", Microwave and Optical Tech. Letters 2013, Vol.55, Iss.2, pp. 409–413.
10. B. Mukherjee, Dinesh Kumar V, M. Gupta, "Investigation of a Hemispherical Dielectric Resonator Antenna on an EBG substrate" International Journal of Electronics, 2013, Taylor and Francis. (Accepted)

### PAPERS IN REFERRED CONFERENCES:

11. A.R.Verma, R. K. Singh and A. Kumar, An Improved Method for Speech Enhancement Based on Ridgelet Transform, 2013 4th International Conference on Intelligent Systems, Modelling and Simulation, Bangkok, January 29-31, pp. 280-285, 2013