

School of Engineering
Electrical Engineering

PUBLICATIONS:-Journal Papers

1. "Influence of potassium permanganate on the anisotropic growth and enhanced UV emission of ZnO nanostructures using hydrothermal process for optoelectronic applications", T. Dixit, A. Bilgaiyan, I. A. Palani, D. Nakamura, T. Okada and V. Singh, Journal of Sol-Gel Science and Technology, Vol. 75, Issue 3, (2015) pp 693.
2. "Template Assisted Electrochemical Growth of Polypyrrole Nanotubes for Development of High Sensitivity Glucose Biosensor", P. A. Palod, S. S. Pandey, S. Hayase and V. Singh, Applied Biochemistry and Biotechnology, Vol. 174, Issue 3, (2015) pp-1059.
3. "Effect of Addition of KI on the Hydrothermal Growth of ZnO Nanostructures Towards Hybrid Optoelectronic Device Applications", A. Bilgaiyan, T. Dixit, G. Kapil, S. S. Pandey, S. Hayase, I. A. Palani and V. Singh, Journal of Nanoscience and Nanotechnology, Vol. 16, (2016) pp-1.
4. R. Sharma, R.B. Pachori, and U.R. Acharya, An integrated index for the identification of focal electroencephalogram signals using discrete wavelet transform and entropy measures, Entropy, vol. 17, issue 8, pp. 5218-5240, July 2015.
5. S. Patidar, R.B. Pachori, and U.R. Acharya, Automated diagnosis of coronary artery disease using tunable-Q wavelet transform applied on heart rate signals, Knowledge-Based Systems, vol. 82, pp. 1-10, July 2015.
6. R.B. Pachori, P. Avinash, K. Shashank, R. Sharma, and U.R. Acharya, Application of empirical mode decomposition for analysis of normal and diabetic RR-interval signals, Expert Systems with Applications, vol. 42, issue 9, pp. 4567-4581, June 2015.
7. R. Sharma, R.B. Pachori, and U.R. Acharya, Application of entropy measures on intrinsic mode functions for the automated identification of focal electroencephalogram signals, Entropy, vol. 17, issue 2, pp. 669-691, February 2015.
8. P. Gaur, R.B. Pachori, H. Wang, and G. Prasad, An empirical mode decomposition based filtering method for classification of motor-imagery EEG signals for enhancing brain-computer interface, The International Joint Conference on Neural Networks, 12-17 July, 2015, Killarney, Ireland.
9. R.B. Pachori and D. Hewson, Assessment of the effects of sensory perturbations using Fourier-Bessel expansion method for postural stability analysis, Journal of Intelligent Systems, 20 (2), 167:186.
10. Vasudevan, Srivathsan, George CK Chen, Zhiping Lin, and Beng Koon Ng. "Quantitative photothermal phase imaging of red blood cells using digital holographic photothermal microscope." Applied optics 54, no. 14 (2015): 4478-4484.