Dr.Suchetha M, Associate Professor, Dept of ECE

VIT Chennai.

- 1. M.Suchetha., Navaneeth, 'Analysis of Salivary Components As Non-invasive Biomarkers for Monitoring Chroni', international Journal of Medical Engineering andinformatics, Vol. 12, Issue 2, pp. 95-107, April 2020.
- Suchetha., Lekha, 'Recent Advancements and Future Prospects on E-Nose Sensors Technology and Machin', IEEE Reviews in Biomedical Engineering, Vol. 1, Issue 1, May 2020.
- Joseph Antony., M. Suchetha, 'Expanding Vision-Based Adasfor Non-Structured Environments', IETintelligent Transport Systems, Vol. 14, Issue 6, pp. 620-627, May 2020.
- 4. Suchetha., Deepika., Nada Philip, 'Variational Mode Decomposition Based Retinal Area Detection and Merging of Super', Current Signal Transduction Therapy, Vol. 14, Issue 1, June 2020.
- 5. Bhagya., Suchetha M, 'A Capnographic Sensor Using Acoustic Virial Equation for Diagnostic Applications', IEEE Sensors Letters, Vol. 4, Issue 8, August 2020.
- 6. A. S. Kulkarni, M. Suchetha, and N. Kumaravel, "IoT based low power wearable ECG monitoring system," Current Signal Transduction Therapy, Vol. 14, Issue 1, pp. 68-74, April 2019.
- M. Suchetha and B. Navaneeth, "PSO optimized 1-D CNN-SVM architecture for real-time detection and classification applications," Computers in Biology and Medicine, Vol. 10, Issue 8, pp. 85-92, April 2019.
- 8. M. Suchetha and Bhagya, "Speed of Sound-Based Capnographic Sensor With Second-Generation CNN for Automated Classification of Cardiorespiratory Abnormalities," IEEE Sensors Journal, Vol. 19, Issue 19, pp. 8887-8894, October 2019.
- M. Suchetha and S. Lekha, "A novel 1-D convolution neural network with SVM architecture for real-time detection applications," IEEE Sensors Journal, Vol. 18, Issue 2, pp. 724-731, 2018.

- 10. M. Suchetha and Lekha, "Real-Time Non-Invasive Detection and Classification of Diabetes Using Modified Convolution Neural Network," IEEE Journal of Biomedical and Health Informatics, 22(5), pp. 1630-1636, 2018.
- 11. M.Suchetha., and N.Kumaravel, 'A novel approach for the reduction of 50Hz noise in Electrocardiogram using variational mode decomposition', Current Signal Transduction therapy, vol:12 (1), pp. 39-48, June 2017.
- 12. Suchetha, M., Kumaravel, N., Jagannath, M. and Saravana Kumar Jaganathan, 'A comparative analysis of EMD based filtering methods for 50 Hz noise cancellation in ECG signal', Informatics in Medicine Unlocked, Vol. 8, pp. 54-59, July 2017.
- 13. Suchetha M, Deepika, 'A Feature Based Detection Method Using Segmented MRI Images For Alzheimers Disease Diagnosis', Journal Of Chemical And Pharmaceutical Sciences, Vol.9(1), Pp. 506-509, Jan 2016.
- 14. Suchetha ,M Dayanandha, 'Dual AGC Model Based Implementation Of Auditory Nerve', Journal Of Chemical And Pharmaceutical Sciences, Vol.9(1), Pp. 494-497, Jan 2016.
- 15. Ishu Jaiswal, Sangeetha R.G, Suchetha.M, 'Performance Of M-Ary QAM Based OFDM For FSO Transmission', IET Journal Of Optoelectronics, March 2016.
- 16. Ashija P A, Chekuri Sravani, Dr. Suchetha M, 'Automatic Detection of Sleep Apnea from ECG Signal', International Journal on Recent and Innovation Trends in Computing and Communication, vol. 1(1), pp. 1-3, Sep 2016.
- 17. Anant kulkarni, Dr. Suchetha M, 'Empirical Mode Decomposition based Feature Extraction Method for the Classification of EEG Signal', International Journal on Recent and Innovation Trends in Computing and Communication, vol. 1(1), pp. 4-8, Sep 2016.
- 18. Deepika V and Dr.M.Suchetha, 'A Novel Approach based on Merging of Super pixels for Retinal Area Detection in SLO Image', Journal of Chemical and Pharmaceutical Sciences, Vol. 9(4), pp. 2859-2866, Oct 2016.
- 19. Anand Kulkarni and Dr.M.Suchetha, 'Empirical Mode Decomposition based Classification Method for Seizure/Non-Seizures Signals', Journal of Chemical and Pharmaceutical Sciences, Vol. 9(4), pp. 3008-3013, Oct 2016.