

## **LIST OF PUBLICATIONS (2015-2020) by Dr.NM NANDHITHA**

1. T Thaj Mary Delsy, **NM Nandhitha**, B Sheela Rani, “Feasibility of spectral domain techniques for the classification of non-stationary signals”, Journal of Ambient Intelligence and Humanized Computing, Pages 1-8,2020
2. K Sudheera, **NM Nandhitha**, “Computer Aided Radiograph Interpretation Tool for Defect Characterization from Weld Plates”, Russian Journal of Nondestructive Testing, Vol. 55, Issue 6, Pages 481-488,2019
3. Kavitha Srinivasan, **NM Nandhitha**, “Development of Deep Learning algorithms for Brain Tumor classification using GLCM and Wavelet Packets”, Caribb. J. Sci, Vol. 53, Pages 1222-1228, 2019
4. **NM Nandhitha**, “Design of Linear Plasma Position Controllers with Intelligent Feedback Systems for Aditya Tokamak.”, International Journal of Electrical & Computer Engineering (2088-8708), Vol. 8, 2018
5. MS Sangeetha, **NM Nandhitha**, “Improved active contour modelling for isolating different hues in infrared thermograms”, Russian Journal of Nondestructive Testing, Vol.53 , Issue 2, Pages 142-147,2017
6. V Vedanarayanan, **NM Nandhitha**, “Advanced image segmentation techniques for accurate isolation of abnormality to enhance breast cancer detection in digital mammographs”, Biomedical Research An International Journal of Medical Sciences, Vol. 28, Issue 6, 2017
7. J Femila Roseline, **NM Nandhitha**, “Feasibility of Soft Computing Techniques in Predicting Plasma Position in Aditya Tokamak”, Journal of Computational and Theoretical Nanoscience, Vol. 13, Issue 11, Pages 9057-9063, 2016
8. MS Sangeetha, **NM Nandhitha**, “Multilevel thresholding technique for contrast enhancement in thermal images to facilitate accurate image segmentation”, Indian Journal of Science and Technology, Vol. 9, Issue 6, Pages 1-7,2016
9. A Jose Albin, **NM Nandhitha**, “Optimization of feature vectors for art classifier in language independent speaker recognition system for biometric

security”, Biomedical Research An International Journal of Medical Sciences, 2016

10. Rekha Chakravarthi, **NM Nandhitha**, S Emalda Roslin, N Selvarasu, “Tumour extraction from breast mammographs through hough transform and DNN hybrid segmentation technique”, Biomedical Research An International Journal of Medical Sciences, Vol. 27, Issue 4, 2016
11. KP Indira, R Rani Hemamalini, **NM Nandhitha**, “Performance evaluation of DWT, SWT and NSCT for fusion of PET and CT Images using different fusion rules.”, Biomedical Research An International Journal of Medical Sciences, Vol. 27, Issue 1, 2016
12. K Sudheera, **NM Nandhitha**, “Application of hilbert transform for flaw characterization in ultrasonic signals”, Indian Journal of Science and Technology, Vol. 8, Issue 13, Pages 1-6, 2015
13. J Femila Roseline, **NM Nandhitha**, “Design of Fuzzy Logic based Plasma Position Control in Aditya Tokamak”, Indian Journal of Science and Technology, Vol. 8, Issue 12, Page 1, 2015.
14. A Jose Albin, **NM Nandhitha**, “Audio Signal Recognition System Based On Vocal Features”, Research Journal of Pharmaceutical Biological and Chemical Sciences, Vol. 6, Issue 2, Pages 1006-1012, 2015
15. V Balamurugan, **NM Nandhitha**, “Performance Evaluation of BPN Based Viterbi Decoder for Decoding 2-Bit And 3-Bit Errors”, ARPN Journal of Engineering and Applied Sciences, Vol. 10, Issue 4, 2015
16. A Jose Albin, **NM Nandhitha**, S Emalda Roslin, “Text independent human voice ranking system for audio search engines using wavelet features” ARPN Journal of Engineering and Applied Sciences, Vol. 10, Issue 4, Pages 1650-1653, 2015
17. MS Sangeetha, **NM Nandhitha**, “Impact of distance on the hotspot temperature in thermal image for condition monitoring of UPS switchbox”, International Journal of Advanced Intelligence Paradigms, Vol. 7, Issue 1, Pages 74-81, 2015

18.V Balamurugan, **NM Nandhitha**, “Feasibility of Less Complex Viterbi Decoder Based on Neural Networks for Effective Transmission of Medical Images” Contemporary Engineering Sciences, Vol. 8, Issue 22, Pages 1013-1019