Dr.R. Menaka,

Professor, ECE

VIT University, Chennai

- 1. S Pravenaa, **R Menaka**"A methodical review on image stitching and video stitching techniques"
- International Journal of Applied Engineering Research 11 (5), 3442-3448(2016)
- 2. R Karthik, **R Menaka**, C Chellamuthu"A comprehensive framework for classification of brain tumour images using SVM and curvelet transform" International Journal of Biomedical Engineering and Technology 17 (2), 168-177(2015)
- 3. R Karthik, **R Menaka**"A multi-scale approach for detection of ischemic stroke from brain MR images using discrete curvelet transformation "Measurement 100, 223-232(2017)
- 4. R Karthik, M Hariharan, S Anand, P Mathikshara, A Johnson, **R Menaka**"Attention embedded residual CNN for disease detection in tomato leaves "Applied Soft Computing 86, 105933(2020)
- 5. R Karthik, U Gupta, A Jha, R Rajalakshmi, **R Menaka**"A deep supervised approach for ischemic lesion segmentation from multimodal MRI using Fully Convolution Network "Applied Soft Computing 84, 105685(2019)
- 6. R Kanchana, **R Menaka** "Computer reinforced analysis for ischemic stroke recognition: a review" Indian J. Sci. Technol 8 (35), 81006(2015)
- 7. R Karthik, **R Menaka**, S Kulkarni, R Deshpande" Virtual doctor: an artificial medical diagnostic system based on hard and soft inputs "International Journal of Biomedical Engineering and Technology 16 (4), 329-342(2014)
- 8. Y Katyal, SV Alur, S Dwivedi, **R Menaka**"EEG signal and video analysis based depression indication"
- 2014 IEEE International Conference on Advanced Communications, Control and (2014)
- 9. R Kanchana, **R Menaka**"A novel approach for characterization of ischemic stroke lesion using histogram bin-based segmentation and gray level co-occurrence matrix features "The Imaging Science Journal 65 (2), 124-136(2017)
- 10. R Karthik, **R Menaka**" Statistical characterization of ischemic stroke lesions from MRI using discrete wavelet transformations" ECTI Transactions on Electrical Engineering, Electronics, and Communications ...

- 11. **R Menaka**, R Karthik, S Gupta, A Mishra"Ischemic Stroke Detection from MRI Diffusion images using bifurcation analysis of texture features and fuzzy based segmentation "International journal of tomography and simulation 28 (2), 117-125(2015)
- 12. S Gupta, A Mishra, R Menaka" Ischemic Stroke detection using Image processing and ANN"
- 2014 IEEE International Conference on Advanced Communications, Control (2014)
- 13. R Karthik, **R Menaka** "Computer-aided detection and characterization of stroke lesion—a short review on the current state-of-the art methods "The Imaging Science Journal 66 (1), 1-22(2018)
- 14. R Karthik, **R Menaka**"A critical appraisal on wavelet based features from brain MR images for efficient characterization of ischemic stroke injuries"ELCVIA: electronic letters on computer vision and image analysis 15 (3), 1-16(2016)
- 15. **R Menaka**, S Rohini"Efficient detection of ischemic stroke from MRI images using wavelet transform "International Journal of Computer Science and Information Technology(2014)
- 16. R Karthik, **R Menaka**"A novel brain MRI analysis system for detection of stroke lesions using discrete wavelets"Journal of Telecommunication, Electronic and Computer Engineering (JTEC) 8 (2016)
- 17. R Mitra, **R Menaka**" Characterization of Oral Cancer Lesions Using Texture Features, National Conference on Science, Engineering and Technology (NCSET–2016) ISSN (2016)
- 18. K Chunduri, **R Menaka**"Agricultural monitoring and controlling system using wireless sensor network"Soft Computing and Signal Processing, 47-56(2019)
- 19. **R Menaka**, R Karthik,"A novel feature extraction scheme for visualization of 3D anatomical structures"International Journal of Biomedical Engineering and Technology 21 (1), 49-66(2016)
- 20. R Sivanesan, A Anwar, A Talwar, **R Menaka**, R Karthik A Novel Scheme for detection of Parkinson's disorder from Hand-eye Coordination behavior and DaTscan Images., KSII Transactions on Internet & Information Systems 10 (9)(2016)
- 21. P Ganesh, **R Menaka**"Use of Discrete Sine Transform in EEG signal classification for early Autism detection"2014 IEEE International Conference on Advanced Communications, Control (2014)
- 22. PV Jayaram, **R Menaka**, "Performance evaluation of modified hybrid handover scheme in LTE fast moving rail networks" International Journal of Wireless and Mobile Computing 12 (1), 96-106(2017)
- 23. R Karthik, **R Menaka**, M Hariharan" Learning distinctive filters for COVID-19 detection from chest X-ray using shuffled residual CNN", Applied Soft Computing, 106744(2020)
- 24. NP Mehta, **R Menaka**, AS Prasad, T Aarthy"Graphical Model and Model Search for Medical Data Analysis" Advances in Smart Grid Technology, 489-499(2020)

- 25. R Karthik, **R Menaka**, A Johnson, S Anand,"Neuroimaging and Deep Learning for Brain Stroke Detection-A Review of Recent Advancements and Future Prospects"Computer Methods and Programs in Biomedicine, 105728(2020)
- 26 .**R Menaka**, JK Thaker, R Bhushan, R Karthik,. IMEXT Text Summarizer Using Deep Learning Applied Computer Vision and Image Processing, 34-45(2020)
- 27. N Sowmya, S Srivarshini, N Shanmathi, **R Menaka**"Stress Diagnosis Using EMG Signals,"2018 International Conference on Current Trends towards Converging ...(2018)
- 28. R Meenakshi, C Hemanth, **R Menaka**"EVALUATION OF ECG SIGNAL USING COMPRESSIVE SENSING"International Journal of Pure and Applied Mathematics 118 (24)(2018)
- 29. TK **,R.Menaka** "FPGA Implementation for Fast Image Processing Algorithm "International Journal of Pure and Applied Mathematics 120 (7), 363-374(2018)
- 30. PCP,**R Menaka**, "Analysis of Electromygraphy (EMG) based gait event detection for Cerebral Palsy(CP) children"International Journal of Pure and Applied Mathematics 120 (7), 353-361(2018)
- 31.R Mitra, R Karthik, K Pal, R Menaka,".IMAGE PROCESSING FOR DETECTION OF ORAL WHITE SPONGE NEVUS LESIONS "Exploratory Animal and Medical Research 6 (2), 247-250(2018)