

Dr.ANITHA-Research Publications

1. J Revathi, Anitha J, Rizwan P, R Manikandan, D Jude Hemanth and Amir H Gandomi, "Machine learning based left ventricular hypertrophy detection using multilead ECG signal", Neural Computing and Applications, DOI:<https://doi.org/10.1007/s00521-020-05238-2>, 2020. (Impact Factor = 4.774).
2. J Revathi, J. Anitha and D Jude Hemanth, "Training Feedforward Neural Network using Genetic Algorithm to Diagnose Left Ventricular Hypertrophy", Telkomnika, (Accepted), 2020. (Scopus)
3. Anju Asokan , J. Anitha , Monica Ciobanu , Andrei Gabor , Antoanela Naaji and D. Jude Hemanth, "Image Processing Techniques for Analysis of Satellite Images for Historical Maps Classification—An Overview", Applied Sciences, Vol. 10, No. 12,4207, 2020. (Impact Factor = 2.474).
4. Eben Sophia, P. and Anitha, J., "Enhanced method of using contourlet transform for medical image compression" International Journal of Advanced Intelligence Paradigms, Volume 14, Issue 1-2, 2019, Pages 107-121
5. Asokan, A. and Anitha, J., "Adaptive Cuckoo Search based optimal bilateral filtering for denoising of satellite images", ISA Transactions, 2019.
6. Jeyanathan, J.S. Shenbagavalli, A., Venkatraman, B, Menaka, Anitha, J. and de Albuquerque, V.H.C., "Analysis of Transform-Based Features on Lateral View Breast Thermograms", Circuits, Systems, and Signal Processing, Volume 38, Issue 12, 1 December 2019, Pages 5734-5754.
7. J. Anitha, P.E. Sophia, L.H. Son, V.H.C. de Albuquerque, Performance enhanced Ripplet transform based compression method for medical images, Measurement (2019), doi: <https://doi.org/10.1016/j.measurement.2019.04.036>
8. Asokan, A., Anitha, J., " Change detection techniques for remote sensing applications: a survey ", Earth Science Informatics, 2019. DOI: 10.1007/s12145-019-00380-5.(2019) ,Vol:12, pp:143–160.
9. Jude Hemanth, D., Anitha, J., Naaji, A., Geman, O., Popescu, D.E., Hoang Son, L., "A Modified Deep Convolutional Neural Network for Abnormal Brain Image Classification" , IEEE Access, Volume 7, 2019, Article number 8571163, Pages 4275-4283. (IF=3.557)
10. D.Jude Hemanth and J.Anitha, " Modified Genetic algorithm approaches for classification of abnormal Magnetic resonance Brain tumor images" Applied soft computing, vol 75,2019, Pp: 21-28. (IF=3.907)

11. D.Jude Hemanth,J.Anitha, Son LH, Mittal M, " Diabetic Retinopathy Diagnosis from Retinal Images Using Modified Hopfield Neural Network", J Med Syst. 2018 Oct 31;42(12):247. doi: 10.1007/s10916-018-1111-6.
12. D.Jude Hemanth,J.Anitha, and Le Haong Son, " Brain signal based human emotion analysis by circular back propagation and deep kohonen neural networks", Computers and Electrical Engineering, Vol 68, May 2018, Pp: 170-180. (IF : 1.570)
13. D.Jude Hemanth,J.Anitha,Daniela Elena Popescu and Le Haong Son, "A modified genetic algorithm for performance improvement of transform based image steganography systems", Journal of Intelligent and Fuzzy systems, 2018. DOI:10.3233/JIFS-169580
14. Jacinth Poornima, Anitha.J and Asha Gnana Priya.H, " Review Challenges faced in automated diagnosis of skin lesions in dermoscopy images", IJETSR, vol.4, Issue.8, August 2017. ISSN 2394-3386.
15. D.Jude Hemanth and J.Anitha, " A pattern based Artificial Bee Colony algorithm for motion estimation in video compression techniques", Circuits systems and signal processing, April 2018, Volume 37, Issue 4, pp 1609–1624 (IF-1.694)
16. Ebenezer Daniel , J. Anitha,*, J. Gnanaraj , "Optimum laplacian wavelet mask based medical image using hybrid cuckoo search – grey wolf optimization algorithm", Knowledge based systems, 2017,Vol.131, pp: 58-69 .(IF: 4.582)
17. P. Eben Sophia | J. Anitha, "A hybrid contextual compression technique using wavelet and contourlet transforms with PSO optimized prediction", International journal of imaging systems and technology, Vol 27,Issue: 2,2017, pp:171-181.DOI:10.1002/ima.22221. (IF:1.139)
18. Jude D. Hemanth | J. Anitha | Bernadetta Kwintiana Ane, "Fusion of artificial neural networks for learning capability enhancement: Application to medical image classification", Expert systems, vol 34,Issue 6,pp: 1-20,2017. DOI:10.1111/exsy.12225. (IF:1.180)
19. Paul Eben Sophia and J.Anitha, " Contextual medical image compression using normalized wavelet transform coefficients and prediction", IETE journal of research, Vol 63, Issue 5, pp:671-683,2017.(IF:0.909)
20. Ebenezer Daniel, J.Anitha, K.Kamaleshwaran and Indu Rani, "Optimum spectrum mask based medical image fusion using Gray Wolf Optimization", Biomedical Signal processing and control, Vol.34, pp: 36-43, 2017. (IF: 2.214)
21. P.Eben Sophia and J.Anitha, " Contourlet transform based subband normalization for region based medical image compression", Intelligent Decision Technologies, Vol.10, pp: 385-391, 2016.(scopus indexed)

22. Hemanth, D.J., Anitha, J., Balas, V.E," Fast and accurate fuzzy C-means algorithm for MR brain image segmentation", International Journal of Imaging Systems and Technology , 26(3), pp. 188-19.
23. D.Jude Hemanth, J.Anitha and A.Indumathy, " Diabetic retinopathy diagnosis in retinal images using Hopfield Neural Network", IETE Journal of Research, vol 62 Issue 6, pp. 893-900 , 2016.(IF:0.909)
24. Ebenezer Daniel, J.Anitha," Optimum wavelet based masking for the contrast enhancement of medical images using enhanced cuckoo search algorithm" Computers in Biology and Medicine, Vol.79, pp:149-155 , 2016. (IF: 1.836)
25. D.Jude Hemanth, J.Anitha, 'Performance Improved Modified Fuzzy C-Means Algorithm for Image Segmentation Applications' in Informatica, Vol.26, No.4, pp 1-4, 2015. (IF: 1.056)
26. P.Eben Sophia and J.Anitha, " A systematic review on advances and perspectives of Image Compression in telemedicine", International Journal of Advanced Intelligence Paradigms, Vol 7, No.2 , pp: 136-155, 2015. (Scopus indexed)
27. Ebenezer Daniel, J.Anitha, "Optimum green plane masking for the contrast enhancement of retinal images using enhanced genetic algorithm", Optik, Vol. 126, pp: 1726-1730, 2015. (Impact Factor = 0.835).