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Last five years publications:

International Journals: 24

1. J Revathi, Anitha J, Rizwan P, R Manikandan, D Jude Hemanth and Amir H Gandomi, "Machine learning based left ventricular hypertrophy detection using multi-lead 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.

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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**)
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18. Jude D. Hemanth | J. Anitha | Bernadetta Kwintiana Ane, “Fusion of artificial neural networks for learning capability enhancement: Application to medical image

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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)**

International Conferences: 15

1. Anitha, J., Eben Sophia, P., and Jude Hemanth, D. , “An Optimized Predictive Coding Algorithm for Medical Image Compression” 2nd SLAAI-International Conference on Artificial Intelligence, SLAAI-ICAI 2018; Colombo; Sri Lanka; 20 December 2018, Communications in Computer and Information Science, Volume 890, 2019, Pages 315-324.
2. Asokan, A. and Anitha, J., “Machine Learning based Image Processing Techniques for Satellite Image Analysis -A Survey” Proceedings of the International Conference on Machine Learning, Big Data, Cloud and Parallel Computing: Trends, Perspectives and Prospects, COMITCon 2019, February 2019, Article number 8862452, Pages 119-124.
3. Asokan, A. and Anitha, J., “Edge Preserved Satellite Image Denoising Using Median and Bilateral Filtering”, 2nd International Conference on Recent Trends in Image Processing and Pattern Recognition, RTIP2R 2018; Communications in Computer and Information Science, Volume 1035, 2019, Pages 688-699.

4. Revathi.J. and Anitha, J., "Automatic Diagnosis of Myocardial Infarction with Left Bundle Branch Block" 2nd International Conference on Recent Trends in Image Processing and Pattern Recognition, RTIP2R 2018; Communications in Computer and Information Science, Volume 1036, 2019, Pages 235-244.
5. Asha Gnana Priya, **J.Anitha** and Jenifer Nirmala Rani.J, " computer aided diagnosis methods for classification of Diabetic Retinopathy using fundus images", International conference on circuits and systems in Digital Enterprise Technology (ICCSDET), Dec 21-22, 2018, Kerala, pp: 614-617.
6. D.Jude Hemanth, Daniela elena Popescu, **J.Anitha**, " Analysis of Daubechies wavelet transform based human detection approaches in digital videos", (INES 2018) 22nd IEEE International Conference on Intelligent Engineering Systems , June 21-23, 2018 , Las Palmas de Gran Canaria, Spain, pp: 1-6.
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9. J.Revathi and **J.Anitha**, " A survey on analysis of ST-segment to diagnose coronary artery disease", International conference on signal processing and communication (ICSPC'17),pp:211-216, July 2017,India.
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12. Twinkle Sebastian and **J.Anitha**, "Hybrid hierarchial search motion estimation for video compression", International conference on advances in Electrical, Electronics,Information, communication and Bio-informatics (AEEICB16), 2016, pp: 88-92, India.
13. P.Eben Sophia and **J.Anitha**, "Region based prediction and quality measurements for medical image compression", Proceedings of fifth International conferences for problem solving, Advances in Intelligent systems and computing, 2016, springer, pp: 355-366, IIT Roorkee, India.
14. Ebenezer Daniel and **J.Anitha**, "Cuckoo search – based scale value optimization for enhancement in retinal image registration", Proceedings of fifth International conferences for problem solving, Advances in Intelligent systems and computing, 2016, springer, pp: 453-460, IIT Roorkee, India.

15. Jude Hemanth, Valentina Emila Balas and **J.Anitha**, “ Hybrid Neuro-Fuzzy approaches for Abnormality Detection in Retinal Images”, Advances in Intelligent systems and computing-2016, Springer, pp:295-305, Romania.