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Journal Publications

1. D. Jude Hemanth, J. Anitha, Antoanela Naaji, Oana Geman, Daniela Elena Popescu and Le Hoang Son, "A Modified Deep Convolutional Neural Network for abnormal brain image classification", IEEE Access, vol. 7, pp: 4275-4283, 2018.
2. Octavian Postolache, Ricardo Alexandre, Oana Geman, D Jude Hemanth, Deepak Gupta and Ashish Khanna, "Remote Monitoring of Physical Rehabilitation of Stroke Patients using IoT and Virtual Reality", IEEE Journal on Selected Areas in Communications, (Accepted), 2020.
3. Douglas de A. Rodrigues, Roberto F. Ivo, Suresh Chandra Satapathy, Shuihua Wang, Jude Hemanth and Pedro P. Rebouças Filho, "A new approach for classification skin lesion based on transfer learning, deep learning and IoT system", Pattern Recognition Letters, (Accepted), 2020.
4. 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.
5. Rachna Jain, Preeti Nagrath, Gaurav Kataria, V. Sirish Kaushik and D. Jude Hemanth, "Pneumonia detection in chest x-ray images using convolutional neural networks and transfer learning", Measurement, (Accepted), 2020.
6. Maria Flynn, Dimitris Efthymidis, Anastassia Angelopoulou, Epaminondas Kapetanios, David Williams, D Jude Hemanth and Tony Towell, "Assessing the effectiveness of automated emotion recognition in adults and children for clinical investigation", Frontiers in Human Neuroscience, DOI: 10.3389/fnhum.2020.00070, 2020.
7. Jose A Marmolejo Saucedo, D. Jude Hemanth and Utku Kose, "Prediction of Electroencephalogram time series with electro-search optimization algorithm trained adaptive neuro-fuzzy inference system", IEEE Access, vol. 7, pp: 15832 -15844, 2019.
8. Mehshan Ahmed Khan, Muhamed Attique, Fawad Ahmed, Mamta Mittal, Lalit Mohan Goyal, D. Jude Hemanth and Suresh Chandra Satapathy, "Gastrointestinal diseases segmentation and classification based on duo-deep architectures", Pattern Recognition Letters, Vol. 131, pp: 193-204, 2020.
9. Debabrata Dansana, Raghvendra Kumar, Aishik Bhattacharjee, D. Jude Hemanth, Deepak Gupta, Ashish Khanna, Oscar Castillo, "Early diagnosis of COVID-19-affected patients based on X-ray and computed tomography images using deep learning algorithm", Soft Computing, DOI: 10.1007/s00500-020-05275-y, 2020.

10. S Jemimah Priyadharshini and D Jude Hemanth, "Investigation of Nanomaterial Dipoles for SAR reduction in Human Head", *Frequenz*, 2019.
11. Oana Geman, Octavian Postolache, Luliana Chiuchisan, Marius Prelipceanu, Ritambhara and D Jude Hemanth, "An Intelligent Assistive Tool using Exergaming and Response Surface Methodology for patients with brain disorders", *IEEE Access*, vol.7, pp: 21502-21513, 2019.
12. D. Jude Hemanth and J. Anitha, "Modified Genetic Algorithm approaches for classification of abnormal Magnetic Resonance brain tumor images", *Applied Soft Computing*, vol. 75, pp: 21-28, 2019.
13. D.Jude Hemanth, Omer Deperlioglu and Utku Kose, "An enhanced diabetic retinopathy detection and classification approach using deep convolutional neural network", *Neural Computing and Applications*, 2018.
14. Deepika Kumar, Nikita Jain, Aayush Khurana, Sweta Mittal, Suresh Chandra Satapathy, Roman Senkerik and D. Jude Hemanth, "Automatic Detection of White Blood Cancer From Bone Marrow Microscopic Images Using Convolutional Neural Networks", *IEEE Access*, vol.8, pp: 142521 – 142531, 2020.
15. Mamta Mittal, Lait Mohan Goyal, D Jude Hemanth and Jasleen Kaur Sethi, "Clustering approaches for high dimensional databases: A review", *WIREs Data Mining and Knowledge Discovery*, vol. 9, no.3, 2019.
16. Rachna Jain, Nikita Jain, Akshay Agarwal and D. Jude Hemanth, "Convolutional neural network-based Alzheimer's disease classification from magnetic resonance brain images", *Cognitive Systems Research*, vol. 57, pp: 147-159, 2019.
17. Hongwei Chen, Luying Cao, D. Jude Hemanth, Zairan Li, Lijun Wu, Victor Hugo and Fuqian Shi, "Evaluation on diabetic plantar pressure data-set employing auto-segmentation technologies", *Neural Computing and Applications*, <https://doi.org/10.1007/s00521-018-3838-x>, 2018.
18. D. Jude Hemanth, J. Anitha, Le Hoang Son and Mamta Mittal, "Diabetic Retinopathy diagnosis from retinal images using modified Hopfield neural network", *Journal of Medical Systems*, <https://doi.org/10.1007/s10916-018-1111-6>, 2018.
19. D. Jude Hemanth, J. Anitha and Le Hoang Son, "Brain signal based human emotion analysis by Circular back propagation and deep kohonen neural networks", *Computers & Electrical Engineering*, vol. 68, pp: 170-180, 2018.
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21. Pedro Pedrosa Filho, Suane Silva, Victor Praxedes, D. Jude Hemanth and Victor Albuquerque, "Control of singularity trajectory tracking for robotic manipulator by genetic algorithms", *Journal of Computational Science*, vol. 30, pp: 55-64, 2019.
22. Beejesh A, Varun Gopi and D. Jude Hemanth, "Brain MR kurtosis imaging study: Contrasting gray and white matter", *Cognitive Systems Research*, vol. 55, pp: 135-145, 2019.
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27. J. Jenkin Winston and D. Jude Hemanth, "A comprehensive review on iris image based biometric systems", *Soft Computing*, DOI: 10.1007/s00500-018-3497-y, 2018.
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30. Mamta Mittal, Lalit Mohan Goyal, Jasleen Kaur Sethi and D. Jude Hemanth, "Monitoring the impact of economic crisis on crimes using machine learning techniques", *Computational Economics*, vol. 53, no. 4, pp: 1467-1485, 2019.
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38. D.Jude Hemanth, S. Uma Maheswari, Daniela Elena Popescu and Antonalla Naaji, "Application of Genetic Algorithm and Particle Swarm Optimization techniques for improved image steganography systems", Open Physics, DOI : 10.1515/phys-2016-0052, 2016.
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