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Area of specialization: Deep learning-based image recognition, Computer Networks

**Publications:**

1. Joseph, S.I.T., Sasikala, J., Juliet, D.S., (2020) “ Detection of Ship from Satellite Images Using Deep Convolutional Neural Networks with Improved Median Filter”, Remote Sensing and Digital Image Processing, 24, pp. 69-82.
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3. Joseph S. I., Sasikala J, and Sujitha Juliet D., (2019) “Optimized vessel detection in marine environment using hybrid adaptive cuckoo search algorithm”, Computers and Electrical Engineering, 78, 482-492, IF: 2.189.
4. Joseph S. I., Sasikala J, and Sujitha Juliet D., (2019) “A novel vessel detection and classification algorithm using a deep learning neural network model with morphological processing”, Soft Computing, 23(8), 2693-2700, IF: 2.367.
5. Joseph S.I., Edwin Raj B. S., Sasikala J, Sujitha Juliet D. (2019) “Smart Vessel Detection using Deep Convolutional Neural Network”, ITT Emerging Technologies for Artificial Intelligence , Proc. 5th Int. Conf. HCT Information Technology Trends, Dubai, UAE, 28-32.
6. Sai B. R , Sujitha Juliet, D (2019), “Transfer learning with RESNET-50 for malaria cell-image classification”, Proc. 8th IEEE Int. Conf. Communication and Signal Processing, ICCSP 2019, India, 945-949.

7. Andrews J., Sujitha Juliet, D, (2019) “Recent advances and investigation of efficient Computer Aided Diagnosis systems for CT images in Liver cancer detection”, International Journal of Advanced Trends in Computer Science and Engineering, 8(3), 343-348.
8. Sujitha Juliet, Rajsingh E. B., Ezra K., (2016) “A novel medical image compression using ripplelet transform” Journal of real time image processing, Springer publications, 11(2), 401–412 IF :1.564.
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