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Last Five Years Publications:

1. Romalt, A.A.,and **R. Mathusoothana S. Kumar**, “An analysis on feature selection methods, clustering and classification used in heart disease prediction - A machine learning approach”, Journal of Critical Reviews, 2020, 7(6), pp. 138–142
2. **R. Mathusoothana S Kumar**, “ Robust multi-view videos face recognition based on particle filter with immune genetic algorithm”, IET Image Processing, 2019, 13(4), pp. 600–606
3. C. Anitha and **R. Mathusoothana S. Kumar**, “ Naturalness Preserved Extremely Low Light Video Frame Enhancement by Correcting Illumination and Reducing Fixed Pattern Noise”, Journal of Advanced Research in Dynamical and Control Systems,Vol. 11,No. 7,pp. 1043-1051, 2019
4. C. Anitha and **R. Mathusoothana S. Kumar**, “ State of the Art Analysis of Low Light Video Noise and Various Environmental Conditions for Enhancement”, International Journal of Engineering and Advanced Technology,Vol. 8,No. 6,pp. 4856-4862, 2019.
5. P.L. Arun and **R. Mathusoothana S. Kumar**, “ Prewitt texture filter synthesis for efficient image occlusion removal to visualize hidden objects”, Journal of Advanced Research in Dynamical and Control Systems,Vol. 11,No. 7,pp. 1052-1061, 2019.
6. C. Anitha and **R. Mathusoothana S. Kumar**, “ Extremely Low Light Video Enhancement along with No-Reference Video Quality Measurements”, International Journal of Advanced Trends in Computer Science and Engineering”,Vol. 8,No. 5,pp. 2126-2131, Oct. 2019.

7. N. Ramanujam and **R. Mathusoothana S. Kumar**, “ Fault Identification for Steam Boiler Tube Leakage in Thermal Power Stations Using Data Outlier ”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, No. 7, pp. 972-982, 2019.
8. M. Leena Silvester and **R. Mathusoothana S. Kumar**, “ Automatic Segmentation, Size Determination and Classification of IVD”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, No. 7, pp. 1075-1087, 2019.
9. Shyni Shajahan, **R. Mathusoothana S Kumar** and Dr. Jacob Vetha Raj, “ Fast Iterative Boundary based in Painting Using Morphological Erosion and SSD”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, No. 7, pp. 1381-1387, 2019.
10. Shyni Shajahan, **R. Mathusoothana S Kumar** and Dr. Jacob Vetha Raj, “ Direction Oriented Block based Inpainting using Morphological Operations”, International Journal of Innovative Technology and Exploring Engineering, Vol. 8, No. 12, pp. 2769-2774, Oct. 2019.
11. C. Anitha and **R. Mathusoothana S. Kumar**, “ A Critical Review on Low Light Video Enhancement”, International Journal of Recent Engineering Research and Development (IJRERD), Vol. 2, No. 4, pp. 103, 2018.
12. Arun , **R. Mathusoothana S. Kumar** , Bijukumar, “ A Novel Algorithm For Shadow Detection and Reconstruction in High-Resolution Satellite Images”, IIOABJ, Vol. 7, No.9. pp. 40-46, 2016.
13. M. Leena Silvester , **R. Mathusoothana S. Kumar**, “ Efficient Identification of Desiccated Lumbar IVD from MRI”, IIOABJ, Vol. 7, No.9. pp. 26-33, 2016.
14. Movina R. Ayoob and **R. Mathusoothana S. Kumar**, “Face Recognition using Symmetric Local Graph Structure”, Indian Journal of Science and Technology, 2015, Vol: 8, Issue: 24, Pages: 1-5.
15. Junior Rashid Shafeer and **R. Mathusoothana S. Kumar**, “Video Forensics Toolkit: Frame Based Video Recovery, Video Analyzer and Report Generator”, Image Processing & Networking, Volume : 10 Special Issue - II Feb 2015 ISSN No : 0973-2993, pp. 246-249.

Signature of the Supervisor