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**LAST FIVE YEAR PUBLICATIONS**

1. S.Md.Mansoor Roomi and M.Annalakshmi, "Face detection using color and edge distribution", International Journal of Applied engineering research, Vol.10,No.4,pp.9405-9414,2015, ISSN:0973-4562.
2. M.Parisa Beham, S.Md.Mansoor Roomi, D.Dharmalakshmi, MadhuramKumar. C, "Face spoofing Detection using textural Gradient Features", Australian journal of Basic and Sciences, Vol.9, No.16 , 2015, pp: 331-337, 2015.
3. R. Sivaranjani, S.Md.Mansoor Roomi, "UDWT based SAR Despeckling Using Interscale Dependence",International Journal of Applied Engineering Research,Vol. 10, No.16, 2015, pp.36827-36833,International,2015.
4. G.Maragatham, S.Md.Mansoor Roomi, Sasithradevi. A, "Mixed Noise Removal using Automatic and adaptive multistage filtering framework", International Journal of Applied Engineering Research, Vol.10, No. 21, 2015, pp.42525-42532, 2015.
5. M. Jegan Mohan and S. Md. Mansoor Roomi, "An efficient automated multimodal contour segmentation of multimodal brain tumor image using dynamic sparse field", ARPN Journal of Engineering and applied sciences, Vol.10 No.8, pp.3379-3383, 2015.
6. M. Parisa Beham,S. Md. Mansoor Roomi,J. Alageshan, V. Kapileshwaran, "Performance Analysis of Pose Invariant Face Recognition Approaches inUnconstrained Environments", International Journal of Computer Vision and Image Processing, Vol.5 , No.1,pp. 66-81, 2015.
7. Sasithradevi. A, S. Md. Mansoor Roomi, "Towards Comprehensive understanding of image retrieval approaches", Middle East Journal of Scientific Research, Vol.23, No.12, pp.2895-2904, 2015.
8. G. Maragatham, S. Md. Mansoor Roomi, Sasithradevi. A, "Modified Thompson and Tau based Impulse Noise Detector ", ARPN Journal of Science and Technology, Vol,05, No.12, pp.647-651, 2015.
9. M. Jegan Mohan, and S. Md. Mansoor Roomi, "Gradient vector flow analysis for multimodality medical images", Asian Journal of information technology, Vol.15(24), pp. 5046-5050, ISSN-1682-3915, 2016.
10. PL. Karthiga, S. Md. Mansoor Roomi, J. Kowsalya, "Traffic-Sign recognition for an intelligent vehicle/driver assistant system using HOG", Computer Science and Engineering: An International Journal Vol.6, No.1,pp. 15-23, Feb 2016.
11. S. M. H. Sithi Shameem Fathima, R. S. D. Wahida Banu, S. Md. Mansoor Roomi, "Gait Based Human Recognition with Various Classifiers Using Exhaustive Angle Calculations in Model",Circuits and Systems,Vol. 7, pp. 1464-1475,International,2016.
12. C. Anusuya ,S. Md. Mansoor Roomi, M. Senthilarasi, "A Signature based Dravidian Sign Language recognition by sparse representation", International Journal on Natural Language Computing, Vol. 5, No.1,pp. 57-67, 2016.
13. Sasithradevi. A, S. Md. Mansoor Roomi, "Video Shot Boundary Detection Using Normalized Periodogram Distance Metric", Circuits and Systems,Vol.7 No.10,pp. 2875-2883, 2016.

14. Pl. Karthiga, S. Md. Mansoor Roomi, S. Mareeswari, "A SURF Based Approach for an Intelligent Vehicle/Driver Assistant System", International Journal of Control Theory and Applications, Vol. 9, No. 7, pp. 3261-3267, 2016.
15. R. Neelavathy, S. Md. Mansoor Roomi, A. Abinaya, "Rail fastener inspection by object textures", International Journal of Control Theory and Applications, Vol. 9, No. 7, pp. 3253-3260, 2016.
16. Suruthi, Subathra, S. Md. Mansoor Roomi, Sasirekha, "Synergy of geometric and roughness measures for herbal leaf classification", Journal of Chemical and Pharmaceutical Sciences, Vol. 9, No.3, pp. 1481-1484, 2016.
17. Alagarsamy Ashok, ChellaPrabhu, S. Md. Mansoor Roomi, "A Vision based approach for vehicle anti-collision system", International Journal of Control Theory and Applications, Vol. 9, No. 7, pp. 3239-3244, 2016.
18. Sasithradevi. A. S. Md. Mansoor Roomi, R. Raja, "Non Subsampled Contourlet Transform based shot boundary detection in videos", International Journal of Control Theory and Applications, Vol. 9, No. 7, pp. 3231-3238, 2016.
19. M. Senthilarasi, S. Md. Mansoor Roomi, B. Satyabama, "Banana detection – A scale space approach", International Journal of Control Theory and Applications, Vol. 9, No. 7, pp. 3245-3251, 2016.
20. M. Parisa Beham, M.R.H. Prasanna, S. Md. Mansoor Roomi and H. Jebina, "Face Recognition using fusion and of photographic and thermal images", Journal of Chemical and Pharmaceutical Sciences, Vol. 9, No.3, pp.1526-1530, 2016.
21. M. Annalakshmi, S. Md. Mansoor Roomi, S.Priya, "Gender recognition from face images using texture descriptors for human computer interaction", Journal of Chemical and Pharmaceutical Sciences, Vol. 9, No.3, pp. 1231-1234, 2016.
22. S.Md.Mansoor Roomi, M.Mareeswari,G.Maragatham , "Segmentation using 'NEW' texture feature", International Journal of advanced computing, Vol. 7 No. ½,2016.
23. A.Amala Deepan, S.Vasuki,S. Md. Mansoor Roomi, "Detecting Appearance similarity from motion similarity using ALM method", Advances in Natural and applied sciences, Vol. 11. No.4. pp.26-33, 2017.
24. J. Kanimozhi, P.Vasuki,S. Md. Mansoor Roomi, J. S. Gnanasekaran, P.R. Sri VidhyaLakshmi, K. Oviya, "Generic image Quality Assessment of Portable Fundus Camera Photograph", Advances in Natural and applied sciences, Vol. 11. No.4. pp.34-39, 2017.
25. Shakin Banu, P. Vasuki,S. Md. Mansoor Roomi, J. S. GnanaSekaran, "Despeckling of SAR Images using undecimated wavelet and Savitzky Golay filter", Advances in Natural and applied sciences, Vol. 11. No.4. pp.20-25, 2017.
26. R. Sivaranjani, S. Md. Mansoor Roomi, M. Mareeswari, "An overview of automatic target detection algorithms in SAR image", International Journal of Engineering Trends and applications, Vol. 4, No.2, pp.50-55, 2017.
27. M. Parisa Beham, S. Md. Mansoor Roomi, H. Jebina, "Fog detection and classification using discriminant local and global level features", International Journal of Electrical, Computing Engineering and Communication, Vol.1, No.2, 2017.
28. M. Senthilarasi, S. Md. Mansoor Roomi, "Particle Swarm Optimized Fuzzy model for classification of banana ripeness", IEEE Sensors, Vol. 17, No. 15, 2017.
29. A. Sasithradevi, S. Md. Mansoor Roomi, P, "Recent progress in dataset development for video classification", International Journal of Information Technology, Vol.3, No.3, 2017.
30. P.Kalaivani, S.Md.Mansoor Roomi, M.Annalakshmi, "A comprehensive Framework for learning events", The online journal of distance education and e-learning, Vol.5, No.3, 2017.

31. M. Parisa Beham, S. Md. Mansoor Roomi, "Anti-spoofing enabled face recognition based on aggregated local weighted gradient orientation", *Signal, Image and Video Processing*, Volume 12, No.3, pp 531–538, Springer, 2017.
32. R.Sivaranjani, S.Md.Mansoor Roomi, "SAR image target classification: a feature fusion approach", *International Journal of Computer science and Network*, Vol.6, Issue.6, pp.689 to 693, 2017.
33. M. Fathu Nisha, P. Vasuki , S. Mohamed Monsoor Roomi, "Survey on Various Defect Detection and Classification Methods in Fabric Images", *Journal of Environmental Nanotechnology*, Volume 6, No. 2 pp. 20-29 ISSN: 2279-0748 eISSN: 2319-5541.
34. M.Annalakshmi,S.Md.Mansoor Roomi,A.Sheik Naveedh, "A hybrid technique for gender classification with SLBP and HOG features", *Springer, Cluster computing*, pp 1–10, 2018.
35. Kavitha M, S.Md.Mansoor Roomi, K Priya, Bavithra Devi K, "State model based face mask detection", *International Journal of Engineering and Technology*, Vol. 7,Issue No. .2.22, pages-35-38, 2018.
36. Senthilarasi M, Navarasy T.M, Ram Kumar C, S.Md.Mansoor Roomi, "A multivariate Gaussian modeling for counting bananas", *International Journal of Engineering and Technology*, Vol. 7 Issue No. .2.22, pages-27-30, 2018.
37. R.Tamil Selvi, M.Parisa Beham, A. Merline, S. Md. Mansoor Roomi, B.Saravanan and T.Ruba, "Detection of Fetal stress from Maternal Abdominal Electrocardiogram signal", *International Journal of Computer Science and Engineering*, Vol. 6 Special Issue -4 May 2018, E-ISSN 23472693,pp. 65 -70, 2018.
38. H.Jebina, M.Parisa Beham, S.Md.Mansoor Roomi and R.Tamilselvi, "Performance analysis of Age invariant face recognition methods", *International Journal of Computer Science and Engineering*, Vol. 6 Special Issue -4, E-ISSN 23472693, pp. 49-55. May 2018.
39. A.Shakin Banu, P.Vasuki, S. Md. Mansoor Roomi, A.Yusuf Khan, "SAR Image classification by wavelet transform and euclidean distance with shanon index measurement", *International Journal of scientific research in network security and communication*, Vol 6, Issue -3 , pp-13-17, June 2018. ISSN 2321-3256, 2018.
40. J. Kanimozhi,P. Vasuki, S. Md. Mansoor Roomi, "Open Access Article Iterative Vessel Segmentation with Stopping Criterion for Fundus Imagery", *International Journal of scientific research in network security and communication*, Vol 6, Issue -3 , pp-6-12, June 2018. ISSN 2321-3256, 2018.
41. M.Fathu Nisha,P.Vasuki,S.Md.Mansoor Roomi, "Segmentation of improper stitch balance, hole, crack, needle break defects in fabric images", *International Journal of advanced methodology in engineering and technology*, Vol. 2 Issue 1, 2018.
42. M Fathu Nisha, L Ganesh Babu, P Vasuki, S Mohamed Mansoor Roomi, "Segmentation of Defects in Textile Images Based on Adaptive Sparse Domain Selection Method", *Journal of Telecommunication study*, pp.11-16 Vol 4, No. 3DOI: <http://doi.org/10.5281/zenodo.3573570>
43. R.SivaranjaniaS. Mohamed Mansoor Roomi, M.Senthilarasi, "Speckle noise removal in SAR images using Multi-Objective PSO (MOPSO) algorithm", *Applied Soft Computing Journal*, Vol. 76, pp. 671-68,2019.
44. A.Sasithradevia, S. Mohamed MansoorRoomi, "Video Classification and Retrieval through spatio-temporal radon features", *Pattern Recognition*,Vol. 99, March 2020, 107099.
45. A.Sasithradevia, S. Mohamed MansoorRoomi, "A new pyramidal opponent color-shape model based video shot boundary detection", *Journal of Visual Communication and Image representation*, Volume 67, February 2020, 102754.

46. A. ShakinBanu, P. Vasuki, S. Md MansoorRoomi, "Target Detection in SAR Images using Bayesian Saliency and Morphological Attribute Profiles", *Computer Communications*, Vol. 160, pp.738-748, July 2020.
47. J. Kanimozhi, P. Vasuki & S. Md. Mansoor Roomi, "Fundus image lesion detection algorithm for diabetic retinopathy screening", *Journal of Ambient Intelligence and Humanized Computing Springer*, 2020, <https://doi.org/10.1007/s12652-020-02417-w>.