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[Image Processing](#)

#### **Publications Details**

1. K Selva Bhuvaneswari, **P Geetha**, "Segmentation and classification of brain images using firefly and hybrid kernel-based support vector machine" Journal of Experimental & Theoretical Artificial Intelligence 29 (3), 663-678(2017)
2. KS Bhuvaneswari, **P Geetha** "Semantic segmentation and categorization of brain MRI images for glioma grading" Journal of Medical Imaging and Health Informatics 4 (4), 554-566(2014)
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4. K Uma, **P Geetha**, A Kannan, K Umanath " Image compression using optimization techniques" Int. J. Eng. Res. Dev 5 (5), 1-7(2012)
5. A Joseph, **P Geetha** "Facial emotion detection using modified eyemap–mouthmap algorithm on an enhanced image and classification with tensorflow" The Visual Computer 36 (3), 529-539(2020)
6. KS Chandrasekar, **P Geetha** "Highly efficient neoteric histogram–entropy-based rapid and automatic thresholding method for moving vehicles and pedestrians detection" IET Image Processing 14 (2), 354-365(2019)
7. J Thangarasu, **P Geetha** " Content based image retrieval using quad tree block truncation coding with color co-occurrence feature for the big data platform" Journal of Computational and Theoretical Nanoscience 14 (8), 3874-3886(2017)
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9. SK Bhuvaneswari, **P Geetha**, KJ Devi "Semantic classification and region growing of MRI using CANFIS model for Tumor identification" Australian Journal of Basic and Applied Sciences 8 (3), 43-52(2014)

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11. R Krithiga, **P Geetha** "Breast cancer detection, segmentation and classification on histopathology images analysis" *A systematic review Archives of Computational Methods in Engineering*, 1-13(2020)
12. K Sudha, **P Geetha** "A novel approach for segmentation and counting of overlapped leukocytes in microscopic blood images " *Biocybernetics and Biomedical Engineering*(2020)
13. K Uma, **P Geetha**, A Kannan "A novel segmentation of scanned compound images using fuzzy logic" *Journal of Medical Imaging and Health Informatics* 6 (3), 763-768(2016)
14. R Krithiga, **P Geetha** " Deep learning based breast cancer detection and classification using fuzzy merging techniques" *Machine Vision and Applications* 31 (7), 1-18(2020)
15. KS Chandrasekar, **P Geetha** " Multiple objects tracking by a highly decisive three-frame differencing-combined-background subtraction method with GMPFM-GMPHD filters and VGG16-LSTM classifier" *Journal of Visual Communication and Image Representation* 72, 102905(2020)
16. K Sudha, **P Geetha** " Leukocyte segmentation in peripheral blood images using a novel edge strength cue-based location detection method" *Medical & Biological Engineering & Computing* 58 (9), 1995-2008(2020)
17. G Anurekha, **P Geetha** " Evidence Based Adaptive Neuro-Fuzzy Inference System for ASD Detection" *2018 3rd IEEE International Conference on Recent Trends in Electronics*(2018)
18. KS Chandrasekar, **P Geetha** "Moving Object Detection Techniques in Traffic surveillance: A Review" *2018 Second International Conference on Electronics, Communication* (2018)
19. GA Kani, **P Geetha**, A Gomathi" Human Activity Recognition using Deep with Gradient Fused Handcrafted Features and categorization based on Machine Learning Technique" (2018)
20. AA Micheal, **P Geetha**, A Saranya"Comparative Evaluation on Supervised Learning Based Age Estimation"((2018)
21. **P Geetha** " Survey of Medical Image Compression Techniques and Comparative Analysis  
Medical Imaging: Concepts, Methodologies, Tools, and Applications, 1165-1198(2017)
22. T Revathi, **P Geetha** "A Novel Approach for Identifying Common Signs of CT Pathological Lung Images" *Editorial Board*, 1(2016)
23. J Thangarasu, **P Geetha** "Diversity in image retrieval based on inferring user image search goals  
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25 KS Bhuvaneswari,**P Geetha**"Segmentation of Cerebral Tumors Using Coactive Transform Approach"International Journal of Engineering Inventions 1, pp. 15-18(2012)

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