

Profile:

Dr. S. S. KUMAR

Associate Professor

Department of Electronics and Instrumentation Engineering

Noorul Islam Centre for Higher Education

Noorul Islam University, Kumaracoil,

Kanyakumari (Dist.), Tamilnadu.

Email:- kumarss@live.com

Contact No.: 9789546665

PUBLICATION DETAILS

Year of Publication	Title
2020	Sreeja, K.A., Kumar, S.S., Pradeep, A., Automated Detection of Retinal Hemorrhage Based on Supervised Classifiers and Implementation in Hardware (2020) Smart Innovation, Systems and Technologies, 182, pp. 57-67.
2020	Sreeja, K.A., Kumar, S.S., Automated detection of retinal hemorrhage based on supervised classifiers (2020) Indonesian Journal of Electrical Engineering and Informatics, 8 (1), pp. 140-148.
2020	Anisha, M., Kumar, S.S., Benisha, M., A novel classification approach to detect the presence of foetal cardiac anomaly from foetal electrocardiogram (2020) International Journal of Biomedical Engineering and Technology, 33 (1), pp. 28-53.
2019	Dinu, A.J., Ganesan, R., Kumar, S.S., Evaluating the performance metrics of different machine learning classifiers by combined feature extraction method in Alzheimer's disease detection (2019) International Journal of Emerging Trends in Engineering Research, 7 (11), pp. 652-658.
2019	Aswathy, S.U., Glan Devadhas, G., Kumar, S.S., Brain tumor detection and segmentation using a wrapper based genetic algorithm for optimized feature set (2019) Cluster Computing, 22, pp. 13369-13380.
2019	Anshad, P.Y.M., Kumar, S.S., Shahudheen, S., Segmentation of chondroblastoma from medical images using modified region growing algorithm (2019) Cluster Computing, 22, pp. 13437-13444.
2019	John, K., Vinod Kumar, R.S., Kumar, S.S., Effect of clock gating in conditional pulse enhancement flip-flop for low power applications (2019) Indonesian Journal of Electrical Engineering and Informatics, 7 (2), pp. 357-365.

2019	Devapal, D., Kumar, S.S., Sethunadh, R., Discontinuity adaptive SAR image despeckling using curvelet-based BM3D technique (2019) International Journal of Wavelets, Multiresolution and Information Processing, 17 (3), art. no. 1950016.
2019	Sreeja, K.A., Kumar, S.S., Comparison of classifier strength for detection of retinal hemorrhages (2019) International Journal of Innovative Technology and Exploring, 2019, 8(6), pp. 688-693.
2019	John, K., Vinod Kumar, R.S., Kumar, S.S., A novel design of synchronous counter for low power and high-speed applications (2019) International Journal of Engineering and Advanced Technology, 8 (4), pp. 779-783.
2019	Nithila, E.E., Kumar, S.S., Segmentation of lung from CT using various active contour models (2019) Biomedical Signal Processing and Control, 47, pp. 57-62.
2019	John, K., Kumar, V.R.S., Kumar, S.S., Design of conditional pulse enhancement flip-flop embedded with clock gating and signal feed-through mechanism (2019) Journal of Engineering Science and Technology, 14 (4), pp. 2000-2012.
2019	Binu Sathiya, S., Kumar, S.S., Prabin, A., A novel method for melanoma classification using fuzzy based HK SVM (2019) Journal of Advanced Research in Dynamical and Control Systems, 11 (6 Special Issue), pp. 1578-1593.
2019	Anisha, M., Kumar, S.S., Benisha, M., Performance comparison of MeRMaId-ICA and Np-ICA in composite abdominal electrocardiogram separation (2019) International Journal of Biomedical Engineering and Technology, 30 (3), pp. 195-211.
2018	John, K., Vinod Kumar, R.S., Kumar, S.S., Performance Comparison of Explicit Pulsed Flip-Flops in Low Power and High-Speed Applications (2018) 2018 International Conference on Circuits and Systems in Digital Enterprise Technology, ICCSDET 2018,.
2018	Sajan, P.P., Kumar, S.S., GVF snake algorithm-a parallel approach (2018) International Journal of Engineering and Technology(UAE), 7 (1.1), pp. 101-105.
2018	Senthil Lekha, S.L., Kumar, S.S., Selection of suitable supervised classification techniques for the geographic analysis of land using GIS techniques (2018) International Journal of Engineering and Technology(UAE), 7 (3.27 Special Issue 27), pp. 82-90.

2018	Muhammed Anshad, P.Y., Kumar, S.S., Automatic segmentation of chondroblastoma from X-ray images using active contour and levelset method (2018) International Journal of Engineering and Technology(UAE), 7 (2), pp. 140-143.
2018	John, K., Vinod Kumar, R., Kumar, S.S ,Impact of pulse-triggered flip-flops in low power applications (2018) Journal of Advanced Research in Dynamical and Control Systems, 10 (1), pp. 298-306.
2018	Sukumaran, A., Glan, D.G., Kumar, S.S., An improved tumor segmentation algorithm from T2 and FLAIR multimodality MRI brain images by support vector machine and genetic algorithm (2018) Cogent Engineering, 5 (1), pp. 1-18.
2017	Devapal, D., Kumar, S.S., Jojy, C., A Novel Approach of Despeckling SAR Images Using Nonlocal Means Filtering (2017) Journal of the Indian Society of Remote Sensing, 45 (3), pp. 443-450.
2017	Sreeja, K.A., Kumar, S.S., Region-threshold detection and KNN classification method for detecting and classifying hemorrhages for real time application in retinal fundus images (2017) Journal of Advanced Research in Dynamical and Control Systems, 9 (18 Special Issue), pp. 2960-2974.
2017	Nithila, E.E., Kumar, S.S. Automatic detection of solitary pulmonary nodules using swarm intelligence optimized neural networks on CT images (2017) Engineering Science and Technology, an International Journal, 20 (3), pp. 1192-1202.
2017	Aswathy, S.U., Glan Devadhas, G., Kumar, S.S., Sreevidya, P., An optimized approach for SVM based segmentation of MR images of brain tumors (2017) Journal of Advanced Research in Dynamical and Control Systems, 9 (8), pp. 80-87.
2016	Nithila, E.E., Kumar, S.S., Segmentation of lung nodule in CT data using active contour model and Fuzzy C-mean clustering (2016) Alexandria Engineering Journal, 55 (3), pp. 2583-2588.
2016	Nithila, E.E., Kumar, S.S., Lung cancer diagnosis from CT images using CAD system: A review (2016) International Journal of Biomedical Engineering and Technology, 21 (4), pp. 311-321.
2016	Anisha, M., Kumar, S.S., Benisha, M., Recognition and eradication of prime artefact from the abdominal electrocardiogram (2016) International Journal of Biomedical Engineering and Technology, 20 (4), pp. 312-329.