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Area of Interest: Digital Image Processing

LIST OF PUBLICATIONS (LAST 5 YEARS)

S.No	Title of the Publication	Authors	Published in	Year/Volume/ Issue Page no/ 0Publisher
1	A Microcontroller based Machine Vision Approach for Tomato Grading and Sorting using SVM Classifier	S Dhakshina Kumar S Esakkirajan, S Bama, B Keerthiveena	Microprocessors and Microsystems	2020/103090/ Elsevier
2	Design of disease prediction method based on whale optimization employed artificial neural network in tomato fruits	S Dhakshina Kumar S Esakkirajan, C Vimalraj, B Keerthi Veena	Materials Today: Proceedings	2020/ Elsevier
3	Automatic lecture video skimming using shot categorization and contrast based features	Badri Narayan Subudhi, Thangaraj Veerakumar, Sankaralingam Esakkirajan, Santanu Chaudhury	Expert Systems with Applications	2020/113341/ Pergamon
4	Iterative Adaptive Unsymmetric Trimmed Shock Filter for High-Density Salt-and-Pepper Noise Removal	T Veerakumar, Badri Narayan Subudhi, S Esakkirajan Prasanta Kumar Pradhan	Circuits, Systems, and Signal Processing	2019/38/6/2630-2652/ Springer US
5	Kernelized Fuzzy Modal Variation for Local Change Detection From Video Scenes	Badri Narayan Subudhi, Thangaraj Veerakumar, S Esakkirajan, Ashish Ghosh	IEEE Transactions on Multimedia	2019/22/4/912- 920/IEEE
6	Context Dependent Fuzzy Associated Statistical Model for Intensity Inhomogeneity Correction From Magnetic Resonance Images	Badri Narayan Subudhi, T Veerakumar, S Esakkirajan, Ashish Ghosh	IEEE journal of translational engineering in health and medicine	2019/7/1-9/IEEE
7	Computer-aided diagnosis for Diabetic Retinopathy based on Firefly algorithm	B Keerthiveena, T Veerakumar, S Esakkirajan, Badri Narayan Subudhi	11th International Conference on Advanced Computing (ICoAC)	2019/310-315/IEEE
8	Empirical mode decomposition and adaptive bilateral filter	Thangaraj Veerakumar, Badri Narayan Subudhi,	Expert Systems with Applications	2019/121/18-27/ Pergamon

	approach for impulse noise removal	Sankaralingam Esakkirajan		
9	Denoising of PPG signal by wavelet packet transform	B Keerthiveena, S Esakkirajan	International conference on intelligent computing, instrumentation and control technologies (ICICICT)	2017/608-612/IEEE
10	Impulse noise removal using adaptive radial basis function interpolation	T Veerakumar, Ravi Prasad K Jagannath, Badri Narayan Subudhi, S Esakkirajan	Circuits, Systems, and Signal Processing	2017/36/3/1192-1223/ Springer US
11	DTCWT with fuzzy based thresholding for despeckling of ultrasound images	C Vimalraj, S Esakkirajan, P Sreevidya	International Conference on Intelligent Computing, Instrumentation and Control Technologies (ICICICT)	2017/515-519/IEEE
12	Context model based edge preservation filter for impulse noise removal	Thangaraj Veerakumar, Badri Narayan Subudhi, Sankaralingam Esakkirajan, Prasanta Kumar Pradhan	Expert Systems with Applications	2017/88/29-44/ Pergamon
13	Direction Sensitive Wavelet Packet for Despeckling of Ultrasound Images	C. Vimalraj, S. Esakkirajan, T. Veerakumar P. Sreevidya	IET Computer Vision	2016/ IET Digital Library
14	Tumor or abnormality identification from magnetic resonance images using statistical region fusion based segmentation	Badri Narayan Subudhi, Veerakumar Thangaraj, Esakkirajan Sankaralingam, Ashish Ghosh	Magnetic resonance imaging	2016/34/9/1292-1304/ Elsevier