Dr. N. SRI MADHAVA RAJA,

ASSOCIATE PROFESSOR,

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING,

ST. JOSEPH'S COLLEGE OF ENGINEERING,

CHENNAI

LIST OF PUBLICATIONS:

S.NO	TITLE	CITED BY	YEAR
1	A Beginner's Guide to Multilevel Image Thresholding V Rajinikanth, NSM Raja, N Dey CRC Press		2020
2	Extraction of Skin Melanoma Section using Levelset Segmentation─ An Analysis P Monica, K Priyanga, S Keerthana, NSM Raja, S Arunmozhi 2020 International Conference on System, Computation, Automation and …		2020
3	Schizophrenia Detection using Brain MRI—A Study with Watershed Algorithm S Arunmozhi, NSM Raja, V Rajinikanth, K Aparna, V Vallinayagam 2020 International Conference on System, Computation, Automation and …		2020
4	Kidney Stone Detection Using Neural Networks M Akshaya, R Nithushaa, NSM Raja, S Padmapriya 2020 International Conference on System, Computation, Automation and …		2020
5	Assesment of Tumor in Breast MRI using Kapur's Thresholding and Active Contour Segmentation A Kirthika, NSM Raja, R Sivakumar, S Arunmozhi 2020 International Conference on System, Computation, Automation and …		2020
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7	Automated damage detection and characterization of polymer composite images using Tsallis-particle swarm optimization-based multilevel threshold and multifractals JF Agastinose Ronickom, A Retnakaran Sobhana, F Robert, ... Polymer Composites		2020
8	Development of a Machine-Learning System to Classify Lung CT Scan Images into Normal/COVID-19 Class S Kadry, V Rajinikanth, S Rho, NSM Raja, VS Rao, KP Thanaraj arXiv preprint arXiv:2004.13122		2020
9	Harmony-search and otsu based system for coronavirus disease (COVID-19) detection using lung CT scan images V Rajinikanth, N Dey, ANJ Raj, AE Hassanien, KC Santosh, N Raja arXiv preprint arXiv:2004.03431		2020
10	Analysis of Histogram Distance Measures for Change Detection In Brain Symmetry K Suresh, U Sakthi, NSM Raja, R Prabhu 2020 Sixth International Conference on Bio Signals, Images, and …		2020
11	An Automated Person Authentication System with Photo to Sketch Matching Technique P Resmi, R Reshika, NSM Raja, S Arunmozhi, VS Rao Intelligent Data Engineering and Analytics, 655-662		2020
12	Inspection of 2D Brain MRI Slice Using Watershed Algorithm D Hariharan, S Hemachandar, NSM Raja, H Lin, K Sundaravadivu Intelligent Data Engineering and Analytics, 721-730		2020
13	Segmentation and Assessment of Leukocytes Using Entropy-Based Procedure S Manasi, M Ramyaa, NSM Raja, S Arunmozhi, SC Satapathy Intelligent Data Engineering and Analytics, 691-699		2020

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15	Extraction of Cancer Section from 2D Breast MRI Slice Using Brain Strom Optimization R Elanthirayan, KS Kubra, V Rajinikanth, NSM Raja, SC Satapathy Intelligent Data Engineering and Analytics, 731-739		2020
16	Deep-learning framework to detect lung abnormality–A study with chest X-Ray and lung CT scan images A Bhandary, GA Prabhu, V Rajinikanth, KP Thanaraj, SC Satapathy, ... Pattern Recognition Letters 129, 271-278		2020
17	Skin Melanoma Assessment with Machine-Learning Approach—A Study AK Godweena, B Manjula, NSM Raja, SC Satapathy Smart Intelligent Computing and Applications, 759-766		2020
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24	ABCD rule implementation for the skin melanoma assesment–a study V Rajinikanth, NSM Raja, S Arunmozhi 2019 IEEE International Conference on System, Computation, Automation and …	7	2019
25	Retinal Vasculature Segmentation and Analysis using Heuristic approach TDV Shree, M Sakthisri, NSM Raja 2019 IEEE International Conference on System, Computation, Automation and …		2019
26	Comprehensive SVM based Indian Sign Language Recognition K Revanth, NSM Raja 2019 IEEE International Conference on System, Computation, Automation and …		2019
27	A Study on Segmentation of Leukocyte Image With Shannon's Entropy NSM Raja, S Arunmozhi, H Lin, N Dey, V Rajinikanth Histopathological Image Anal Medical Decision Making, 1-27	12*	2019
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36	Multi-level image thresholding using Otsu and chaotic bat algorithm SC Satapathy, NSM Raja, V Rajinikanth, AS Ashour, N Dey Neural Computing and Applications 29 (12), 1285-1307	149	2018
37	Contrast enhanced medical MRI evaluation using Tsallis entropy and region growing segmentation NSM Raja, SL Fernandes, N Dey, SC Satapathy, V Rajinikanth Journal of Ambient Intelligence and Humanized Computing, 1-12	70	2018
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43	Contrast enhanced medical MRI evaluation using Tsallis entropy and region growing segmentation. J. Ambient Intell. Humanized Comput. 1–12 (2018) NSM Raja, SL Fernandes, N Dey, SC Satapathy, V Rajinikanth	2	2018
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46	A hybrid image processing approach to examine abnormality in retinal optic disc TDV Shree, K Revanth, NSM Raja, V Rajinikanth Procedia Computer Science 125, 157-164	29	2018
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48	Otsu's multi-thresholding and active contour snake model to segment dermoscopy images V Rajinikanth, N Sri Madhava Raja, SC Satapathy, SL Fernandes Journal of Medical Imaging and Health Informatics 7 (8), 1837-1840	53	2017
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50	Firefly algorithm assisted segmentation of tumor from brain MRI using Tsallis function and Markov random field V Rajinikanth, NSM Raja, K Kamalanand Journal of Control Engineering and Applied Informatics 19 (3), 97-106	71	2017
51	Analysis of medical image and health informatics using bigdata G Shwetha, PRV Lakshmi, NSM Raja 2017 Third International Conference on Science Technology Engineering …	1	2017
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53	Preliminary big data analytics of hepatitis disease by random forest and SVM using r-tool PRV Lakshmi, G Shwetha, NSM Raja 2017 Third International Conference on Biosignals, Images and …	2	2017
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56	A soft-computing assisted tool to detect and analyse brain tumor S Madhuvanthi, K Madhumathi, P Deepa, NSM Raja	4	2017

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