

## **Department of Electronics and Instrumentation Engineering**

## **Faculty Publications**

Faculty of our department published their research work in refereed high impact journals of reputed publishers such IEEE, Elsevier, Springer, IOS Press, American Scientific Publishers, Hindawi, MDPI. Inderscience etc.

## Some of the high impact journals that our faculty has published



IF: 3.574





Future Generation Computer Systems IF: 5.768

IF: 4.873

Title of paper	Name of the author/s	Name of Journal	Year
Smart robots' virus defense using data mining technology	Jiao Ye, Hemant N. Patel, <b>Sankaranamasivaya</b> <b>m Meena</b> , Renato R. Maaliw III*, Samuel-Soma M. Ajibade, and Ismail Keshta	Journal of Intelligent Systems	2023
Deep-Learning Supported Detection of COVID-19 in Lung CT Slices with Concatenated Deep Features	<b>R. Sivakumar</b> , Seifedine Kadry, Sujatha Krishnamoorthy, Gangadharam Balaji, S. U. Nethrra, J. Varsha & Venkatesan Rajinikanth	Lecture Notes on Data Engineering and Communications Technologies	2023
Wheat seed classification using neural network pattern recognizer	Madhavan, J., Salim, M., Durairaj, U., <b>Kotteeswaran, R</b> .	Materials Today: Proceedings	2023
Control of Diode Clamped Multilevel Inverter based STATCOM for Reactive Power Compensation using H-bridge Topology	Padmamalini, N., <b>Deepa,</b> <b>P</b> ., Joel, T.,Faridha Banu, M.R., Gomathi, S.	Proceedings of the 7th International Conference on Intelligent Computing and Control Systems, ICICCS	2023

Brain Tumor Class Detection in Flair/T2	Venkatesan	DIAGNOSTICS	2023
Modality MRI Slices Using Elephant-Herd	Rajinikanth, P. M.		
Algorithm Optimized Features	Durai Raj Vincent , <b>C</b> .		
	<b>N. Gnanaprakasam</b> , Kathiravan		
	Srinivasan and Chuan-		
	Yu Chang		
Control of time-delay systems through	P. Princes Sindhuja,V.	INTERNATIONAL	2023
modified Smith predictor using sliding mode	Vijayan &Rames C.	JOURNAL OF	
controller	Panda	SYSTEMS SCIENCE	
Disturbance-observer-based finite time sliding			
mode controller with unmatched uncertainties	P Princes Sindhuja, Atanu		
utilizing improved cubature Kalman filter	Panda, <b>Vijayan Velappan</b> , and Rames C Panda	TRANSACTIONS OF THE INSTITUTE OF	
	anu Kames C Fanua	MEASUREMENT AND	
		CONTROL	2023
Robust energy management technique for			
plug-in hybrid electric vehicle with traffic	Gnanaprakasam C.N.,	Applied Soft Computing	
condition identification	Meena S., Nivethitha Devi		
	M., Shanmugasundaram N., Sridharan S.		2023
New Hybrid Cuk-Landsman High Gain Dc-	P. Deepai, S.	International Journal	2023
Dc Converter Modelling and Analysis	Rajakumar <sub>2</sub> , P. Josephin	of Electrical and	2022
De converter moderning and r marysis	Shermila <sub>3</sub> , E. Anna	Electronics	
	Devi4, M. Eugine	Engineering	
	Princes, A. Jasmine		
TT / ' 1 1 /' 1 1 1'1' 1 1	Gnana Malar <sub>6</sub>		
Hysteresis modulation-based sliding mode load frequency controller for multi-area power	Mahendran, MV, <b>Vijayan,</b>		
system	V	INTERNATIONAL	
	·	JOURNAL OF	
		ADAPTIVE CONTROL	
		AND SIGNAL	
	1 1 X7 1 D	PROCESSING	2022
	Joshi, Vinayak Ravi; Srinivasan, Kathiravan;		
A Multistage Heterogeneous Stacking	Vincent, P. M. Durai Raj;		
Ensemble Model for Augmented Infant Cry	Rajinikanth, Venkatesan;	FRONTIERS IN	
Classification	Chang, Chuan-Yu	PUBLIC HEALTH	2022
	Shan, B. Priestly; Shiney,		
	O. Jeba; Saleem, Sharzeel;		
A Post-Processing Algorithm for Boosting	Rajinikanth, V; Zaguia,	MATERIALS & CONTINUA	2022
Contrast of MRI Images	Atef; Singh, Dilbag Gnanaprakasam, C. N.;		2022
An efficient MFM-TFWO approach for unit	Brindha, G.;	JOURNAL OF	
commitment with uncertainty of DGs in	Gnanasoundharam, J.;	INTELLIGENT &	
electric vehicle parking lots	Devi, E. Ahila	FUZZY SYSTEMS	2022
	WeiKoh, Joel En;		
	Rajinikanth, Venkatesan;		
	Vicnesh, Jahmunah; The- Hanh Pham; Oh, Shu Lih;		
	Yeong, Chai Hong;		
	Sankaranarayanan, <b>Meena</b> ;		
	Kamath, Aditya; Bairy,		
Application of local configuration pattern for	Giliyar Muralidhar; Barua,		
automated detection of schizophrenia with	Prabal Datta; Cheong,		
electroencephalogram signals	Kang Hao	EXPERT SYSTEMS	2022

	Kadry, Seifedine;		
Automated detection of age-related macular	Rajinikanth, V; Crespo,		
degeneration using a pre-trained deep-learning		JOURNAL OF	
scheme	Elena	SUPERCOMPUTING	2022
	Kadry, Seifedine;		
	Rajinikanth, Venkatesan;		
	Taniar, David;		
Automated segmentation of leukocyte from	Damasevicius, Robertas;		
hematological images-a study using various	Valencia, Xiomara Patricia		2022
CNN schemes Automatic detection of breast cancer in	Blanco Vijayakumar, K.;	SUPERCOMPUTING	2022
ultrasound images using Mayfly algorithm	Rajinikanth, V;	JOURNAL OF X-RAY	
optimized handcrafted features	Kirubakaran, M. K.	SCIENCE AND	
optimized nunderated reatures	ixii ubukululi, ivi. ix.	TECHNOLOGY	2022
COVID-19 Classification Using Medical			
Image Synthesis by Generative Adversarial			
Networks	Abirami, R. Nandhini;		
	Vincent, P. M. Durai Raj;	INTERNATIONAL	
	Rajinikanth, Venkatesan;		
	Kadry, Seifedine	UNCERTAINTY	
		FUZZINESS AND	
		KNOWLEDGE-BASED	
		SYSTEMS	2022
	Sindhuja, P. Princes;		
Design and Analysis of Double Integrating and			2022
Dead time Processes	Atanu; Panda, Rames C.	IFAC PAPERSONLINE JOURNAL OF	2022
	<b>Rajinikanth, V</b> ; Kadry, Seifedine; Taniar, David;	AMBIENT	
Detecting epilepsy in EEG signals using	Kamalanand, K.; Abd	INTELLIGENCE AND	
synchro-extracting-transform (SET) supported	Elaziz, Mohamed;	HUMANIZED	
classification technique	Thanaraj, K. Palani	COMPUTING	2022
EEG Channel Selection Using Multiobjective			
Cuckoo Search for Person Identification as			
Protection System in Healthcare Applications			
	Abdi Alkareem Alyasseri,	COMPUTATIONAL	
	Zaid; Alomari, Osama	INTELLIGENCE AND	
	Ahmad; Al-Betar,	NEUROSCIENCE	
	Mohammed Azmi;		
	Awadallah, Mohammed		
	A.; Hameed Abdulkareem,		
	Karrar; Abed Mohammed, Mazin; Kadry, Seifedine;		
	Rajinikanth, V.; Rho,		
	Seungmin		2022
Feature-versus deep learning-based approaches			_~_
for the automated detection of brain tumor with			
magnetic resonance images: A comparative		INTERNATIONAL	
study	Raghavendra, U.; Gudigar,		
	5	IMAGING SYSTEMS	
	Rajinikanth, V; Ciaccio,	AND TECHNOLOGY	
	Edward J.; Yeong, Chai		
	Hong; Satapathy, Suresh		
	Chandra; Molinari, Filippo: Acharva, U		
	Filippo; Acharya, U. Rajendra		2022
	Gopinath, C.;		2022
	Lakshmanan,	MATERIALS AND	
Fiber laser microcutting on duplex steel:	Poovazhagan; <b>Palani,</b>	MANUFACTURING	
parameter optimization by TOPSIS	Sarangapani	PROCESSES	2022

Framework for Classification of Chest X-Rays		MATHEMATICAL	
into Normal/COVID-19 Using Brownian-	Warish; Manic, K. Suresh;		2022
Mayfly-Algorithm Selected Hybrid Features	<b>Rajinikanth, Venkatesan</b> Kriti; Haq, Mohd Anul;	ENGINEERING	2022
	Garg, Urvashi; Khan,	CMC-COMPUTERS	
Fusion-Based Deep Learning Model for	Mohd Abdul Rahim;	MATERIALS &	
Hyperspectral Images Classification	Rajinikanth, V	CONTINUA	2022
ripperspectral images classification	Rajinikanth, Venkatesan;	CONTINUA	2022
	Aslam, Shabnam		
Semi/Fully-Automated Segmentation of	Mohamed; Kadry,	CMC-COMPUTERS	
Gastric-Polyp Using Aquila-Optimization-	Seifedine; Thinnukool,	MATERIALS &	
Algorithm Enhanced Images	Orawit	CONTINUA	2022
		CONCURRENT	_0
		ENGINEERING-	
Special issue on intelligent computing and	Vijayakumar, K.;	RESEARCH AND	
communication in concurrent engineering	Rajinikanth, V	APPLICATIONS	2022
		Proceedings of the 2022	
		3rd International	
		Conference on	
		Intelligent Computing,	
		Instrumentation and	
	Rajinikanth V., Kadry S.,	Control Technologies:	
	Damasevicius R., Sujitha	Computational	
Glioma/Glioblastoma Detection in Brain MRI	R.A., Balaji G.,	Intelligence for Smart	
using Pre-trained Deep-Learning Scheme	Mohammed M.A.	Systems, ICICICT 2022	2022
		Proceedings of the 2022	
		3rd International	
		Conference on	
		Intelligent Computing,	
	Rajinikanth V., Kadry S.,	Instrumentation and	
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	Pandeeswaran C., Abed	Computational	
Pneumonia Detection in Chest X-ray using	Mohammed M., Glan	Intelligence for Smart	2022
InceptionV3 and Multi-Class Classification	Devadhas G.	Systems, ICICICT 2022	2022
A Framework to Preserve and Examine		Lecture Notes in	
Pandemic-Healthcare-Data Using IoMT	Kadry S., Rajinikanth V.	Electrical Engineering	2022
	Harini K.R.,		
	Vijayaraghavan D.,	Smart Innovation,	
Hybrid of Array-Based and Improved Playfair	Sushmidha S., Ganesan V.,	-	2022
Cipher for Data Security	Yellamma P. Dreusene P. Debu T. P. C.	Technologies	2022
	Praveena R., Babu T.R.G.,		
Design of Tilted E. Shaned Managala Antonia	Sudha G., Mahesh N.,	Conference on Smart	
Design of Tilted E-Shaped Monopole Antenna for Vehicular Communication	Ganasoundharam J., Birunda M.	Structures and Systems, ICSSS 2022	2022
		Lecture Notes on Data	2022
	Meena S., Mercy Theresa	Engineering and	
A New Hybrid Approach of NaFA and PSO	M., Jesudoss A.,	Communications	
for a Spherical Interacting System	Nivethitha Devi M.	Technologies	2022
Automated detection of plasmodium species	Rajendran,S.;	INTERNATIONAL	2022
· · ·	Balasubrama	JOURNAL OF	2021
usingMachine-Learning technique	nian, D. P.;	INFECTIOUS	
	Rajinikanth,	DISEASES	
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A Study on the Inspection of Fundus RetinalPicture Human Tongue Thermography Could Be a Prognostic Tool for Prescreening the Type IIDiabetes Mellitus	Sundaravadivu, K.; Hariprasad,N.; Kumar, A. Sadeesh; Balan, N. Siva Thirunavukka rasu, Usharani; Umapathy, Snekhalatha; Krishnon Paloni	ADVANCES IN INFORMATIONAND COMMUNICATION, VOL 2 EVIDENCE- BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE	2021
Schizophrenia detection using Multivariate Empirical Mode Decomposition and entropymeasures from multichannel EEG signal	Krishnan, Palani Thanaraj; Janardanan, Kumar Krishnan, Palani Thanaraj;	BIOCYBERNETICS AND BIOMEDICAL	2021

	Raj, Alex Noel Joseph; Balasubrama nian, Parvathavarth ini; Chen, Yuanzhu	ENGINEERING	
Deep-learning framework to detect lung abnormality - A study with chest X-Ray and lung CT scan images	Bhandary, Abhir; Prabhu, G. Ananth; <b>Rajinikanth,V</b> ; Thanaraj, K. Palani; Satapathy, Suresh Chandra; Robbins, David E.; Shasky, Charles; Zhang, Yu- Dong; Tavares, JoaoManuel R. S.; Raja, N. Sri Madhava	PATTERN RECOGNITION LETTERS	2021
Analysis of Histogram Distance Measures for Change Detection In Brain Symmetry	Suresh, K.; Sakthi, U.; Raja, <b>N. SriMadhava;</b> Prabhu, R.	2020 SIXTH INTERNATION AL CONFERENCE ON BIO SIGNALS, IMAGES, AND INSTRUMENTA TION (ICBSII)	2021
Automated damage detection and characterization of polymer composite images using Tsallis- particle swarm optimization-based multilevel threshold and multifractals	Agastinose Ronickom, Jac Fredo; Retnakaran Sobhana, Abilash; Robert, Femi; Nadaradjane, <b>Sri</b> <b>MadhavaRaja;</b> Chelliah, Suresh Kumar	POLYMER COMPOSITES	2021
A reliable framework for accurate brain image examination and treatment planning based on early diagnosis support for clinicians	Fernandes, Steven Lawrence; Tanik, U. John; <b>Rajinikanth,V;</b> Karthik, K. Arvind	NEURAL COMPUTING & APPLICATIONS	2021

Social Group Optimization-Assisted Kapur's Entropy and Morphological Segmentation for Automated Detection of COVID-19 Infection from Computed Tomography Images	Dey, Nilanjan; Rajinikanth, V; Fong, Simon James; Kaiser, M. Shamim; Mahmud, Mufti	COGNITIVE COMPUTATIO N	2021
A Customized VGG19 Network with Concatenation of Deep and Handcrafted Features for Brain Tumor Detection	Rajinikanth, Venkatesan; Raj, Alex Noel Joseph; Thanaraj, Krishnan Palani; Naik, Ganesh R.	APPLIED SCIENCES- BASEL	2021
Genetic algorithm based key sequence generation for cipher system	Sudeepa, K. B.; Aithal, Ganesh; <b>Rajinikanth,</b> V; Satapathy, Suresh Chandra	PATTERN RECOGNITION LETTERS	2021
Deep neural network assisted diagnosis of time- frequency transformed electromyograms	Bakiya, A.; Kamalanand, K.; <b>Rajinikanth,</b> V.; Nayak, Ramesh Sunder; Kadry, Seifedine	MULTIMEDIA TOOLS AND APPLICATIONS	2021
Inspection of Crop-Weed Image Database Using Kapur's Entropy and Spider Monkey Optimization	Rajinikanth, V; Dey, Nilanjan; Satapathy, Suresh Chandra; Kamalanand, K.	SOFT COMPUTING FOR PROBLEM SOLVING, SOCPROS 2018, VOL 1	2021
Medical Data Assessment with Traditional, Machine-learning and Deep-learning Techniques	Lin, Hong; Satapathy, Suresh Chandra; <b>Rajinikanth,</b> V.	CURRENT MEDICAL IMAGING	2021
Medical Image Examination using Traditional and Soft-computing Approaches	Rajinikanth, Venkatesan	CURRENT MEDICAL IMAGING	2021
Computer-Aided Gastrointestinal Diseases Analysis From Wireless Capsule Endoscopy: A Framework of Best Features Selection	Khan, Muhammad Attique; Kadry, Seifedine; Alhaisoni, Majed; Nam,	IEEE ACCESS	2021

Shape and Texture Aware Facial Expression Recognition Using Spatial Pyramid Zernike Moments and Law's Textures Feature Set	Yunyoung; Zhang, Yudong; <b>Rajinikanth,</b> <b>Venkatesan</b> ; Sarfraz, Muhammad Shahzad Mahesh, Vijayalakshmi G. V.; Chen,	IEEE ACCESS	2021
	Chengji; Rajangam, Vijayarajan; Raj, Alex Noel Joseph; <b>Krishnan,</b> <b>Palani</b> <b>Thanaraj</b>	DIOMEDICAL	
Computer aided diagnosis of obesity based on thermal imaging using various convolutional neural networks	Snekhalatha, U.; <b>Thanaraj, K.</b> <b>Palani;</b> Sangamithirai , K.	BIOMEDICAL SIGNAL PROCESSING AND CONTROL	2021
Emotion classification from speech signal based on empirical mode decomposition and non-linear features Speech emotion recognition (Feb, 10.1007/s40747-021-00295-z, 2021)	Krishnan, Palani Thanaraj; Joseph Raj, Alex Noel; Rajangam, Vijayarajan	COMPLEX & INTELLIGENT SYSTEMS	2021
Thermal imaging method to evaluate childhood obesity based on machine learning techniques	Rashmi, Richa; Umapathy, Snekhalatha; <b>Krishnan,</b> <b>Palani</b> <b>Thanaraj</b>	INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY	2021
Emotion classification from speech signal based on empirical mode decomposition and non-linear features Speech emotion recognition	Krishnan, Palani Thanaraj; Alex Noel, Joseph Raj; Rajangam, Vijayarajan	COMPLEX & INTELLIGENT SYSTEMS	2021
Deep learning techniques for automated detection of autism spectrum disorder based on thermal imaging	Ganesh, Kavya; Umapathy, Snekhalatha; <b>Thanaraj</b> Krishnan, Palani	PROCEEDINGSOF THE INSTITUTION OF MECHANICAL ENGINEERS PART H- JOURNAL OF ENGINEERING IN MEDICINE	2021

Automated detection of orofacial pain from thermograms using machine learning and deep learning approaches	Umapathy, Snekhalatha; <b>Krishnan,</b> <b>Palani</b>	EXPERT SYSTEMS	2021
	Thanaraj		
Customized VGG19 Architecture for Pneumonia Detection in Chest X-Rays	Dey, Nilanjan; Zhang, Yu- Dong; <b>Rajinikanth,</b> V.; Pugalenthi, R.; Raja, N. Sri Madhava	PATTERN RECOGNITION LETTERS	2021
Evaluation of brain tumor using brain MRI with modified-moth-flame algorithm and Kapur's thresholding: a study	Kadry, Seifedine; <b>Rajinikanth,</b> <b>V</b> .; Raja, N. Sri Madhava; Jude Hemanth, D.; Hannon, Naeem M. S.; Raj, Alex Noel Joseph	EVOLUTIONARY INTELLIGENCE	2021
Characterization of Global and Local Damages in Composite Images Using Geometrical and Fourier-Hu Moment-Based Shape Descriptors	Fredo, A. R. Jac; Abilash, R. S.; Femi, R.; Raja, <b>N.</b> <b>Sri</b> <b>Madhava;</b> Kumar, C. Suresh	JOURNAL OF TESTING AND EVALUATION	2021
Extraction and Evaluation of Corpus Callosum from 2D Brain MRI Slice: A Study with Cuckoo Search Algorithm	Manic, K. Suresh; Biju, Roshima; Patel, Warish; Khan, Muhammad Attique; Raja, <b>N. Sri</b> <b>Madhava;</b> Uma, S.	COMPUTATIONAL AND MATHEMATIC AL METHODS IN MEDICINE	2021
Automated classification of retinal images into AMD/non-AMD Class-a study using multi- threshold and Gassian-filter enhanced images	Rajinikanth, V; <b>Sivakumar,</b> <b>R.;</b> Hemanth, D. Jude; Kadry, Seifedine; Mohanty, J. R.; Arunmozhi, S.; Raja, N. Sri Madhava; Nguyen Gia	EVOLUTIONARY INTELLIGENCE	2021

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Feature-versus deep learning-based approaches for the automated detection of brain tumor with magnetic resonance images: A comparative study	Raghavendra, U.; Gudigar, Anjan; Rao, Tejaswi N.; <b>Rajinikanth,V;</b> Ciaccio, Edward J.; Yeong, Chai Hong; Satapathy, Suresh Chandra; Molinari, Filippo; Acharya, U. Rajendra	INTERNATIONAL JOURNAL OF IMAGING SYSTEMS ANDTECHNOLOGY	2021
Automated diagnosis of amyotrophic lateral sclerosis using electromyograms and firefly algorithm based neural networks with fractionalposition update	Bakiya, A.; Kamalanand, K.; <b>Rajinikanth,V.</b>	PHYSICAL AND ENGINEERING SCIENCES IN MEDICINE	2021
An Optimized Method for Skin Cancer Diagnosis Using Modified Thermal Exchange OptimizationAlgorithm	Wei, Liu; Pan, Su Xiao; Nanehkaran, Y. A.; <b>Rajinikanth,V</b>	COMPUTATIONAL AND MATHEMATIC AL METHODS IN MEDICINE	2021
Assessment of electromyograms using geneticalgorithm and artificial neural networks	Ambikapathy , Bakiya; Kirshnamurthy, Kamalanand; <b>Venkatesan,</b> <b>Rajinikanth</b>	EVOLUTIONARY INTELLIGENCE	2021
Development of a Framework for Preserving theDisease-Evidence-Information to Support Efficient Disease Diagnosis	<b>Rajinikanth,</b> <b>Venkatesan;</b> Kadry, Seifedine	INTERNATIONAL JOURNAL OF DATA WAREHOUSIN G AND MINING	2021
Artificial Intelligence and Machine Learning inEmergency Medicine	Tang, Kenneth Jian Wei; Ang, Candice Ke En; Constantinides, Theodoros; <b>Rajinikanth,V;</b> Acharya, U. Rajendra; Cheong, Kang Hao	BIOCYBERNETICS AND BIOMEDICAL ENGINEERING	2021
Development of a framework for preserving the disease-evidence-information to support efficient disease diagnosis	Rajinikanth, V., Kadry, S.	International Journal of Data Warehousing and	2021

		Mining	
Convolutional-Neural-Network Assisted Segmentation and SVM Classification of BrainTumor in Clinical MRI Slices	V Rajinikanth, S Kadry, Y Nam	Information Technology and Control	2021
Semi/Fully-Automated Segmentation of Gastric-Polyp Using Aquila-Optimization- Algorithm Enhanced Images	Venkatesan Rajinikanth, Shabnam Mohamed Aslam, Seifedine Kadry, and Orawit Thinnukool	Computers, Materials & Continua	2021
Deep transfer learning-based automated detectionof COVID-19 from lung CT scan slices	Ahuja, Sakshi; Panigrahi, Bijaya Ketan; Dey, Nilanjan; <b>Rajinikanth,</b> <b>Venkatesan</b> ; Gandhi, Tapan Kumar	APPLIED INTELLIGENCE	2021
Model-predictive control-based hybrid optimizedload frequency control of multi-area power systems	Mahendran, M., V; <b>Vijayan, V.</b>	IET GENERATION TRANSMISSIO N & DISTRIBUTION	2021
Aircraft Pitch Control using PID Controller	Angelin Ponrani, M., Kirthini Godweena, A.	2021 International Conference on System, Computation, Automation and Networking, ICSCAN 2021	2021
Air quality prediction using time series analysis	Hepziba Lizzie S., <b>Senthil</b> <b>Kumar B.</b>	Advances in Intelligent Systems and Computing	2021
An automated person authentication system withphoto to sketch matching technique	Resmi P., Reshika R., <b>Sri</b> <b>MadhavaRaja</b> <b>N.,</b> Arunmozhi S., Rao V.S.	Advances in Intelligent Systems andComputing	2021
Solar powered robot for agricultural applications	Kesavan S.M., Al Mamari K.S., <b>Sri Madhava</b> <b>Raja N.</b>	2021 International Conference on System, Computation, Automation and Networking,	2021

		ICSCAN 2021	
Examination of the brain mri slices corrupted withinduced noise—a study with sgo algorithm	Pavidraa R., Preethi R., <b>Sri</b> <b>MadhavaRaja</b> <b>N</b> ., Tamizharasi P., Parvatha Varthini B.	Advances in Intelligent Systems andComputing	2021
Segmentation and assessment of leukocytes usingentropy-based procedure	Manasi S., Ramyaa M., Sri MadhavaRaja N., Arunmozhi S., Satapathy S.C.	Advances in Intelligent Systems and Computing	2021
Inspection of 2d brain mri slice using watershedalgorithm	Hariharan D., HemachandarS., <b>Sri Madhava</b> Raja N., Lin H., Sundaravadivu K.	Advances in Intelligent Systems and Computing	2021
Image multi-level-thresholding with Mayflyoptimization	Kadry S., <b>Rajinikanth</b> V., Koo J., Kang BG.	InternationalJournal of Electrical and Computer Engineering	2021
Detection of Tuberculosis in Chect X-Ray usingCancatinated Deep and Handcrafted Features	Arunmozhi S., KamathA.P., <b>RajinikanthV.</b>	2021 International Conference on System, Computation, Automation and Networking, ICSCAN 2021	2021
Res-UNet Supported Segmentation and Evaluation of COVID19 Lesion in Lung CT	Kesavan S.M., Al Naimi I., Al Attar F., <b>RajinikanthV.,</b> Kadry S.	2021 International Conference on System, Computation, Automation and Networking, ICSCAN 2021	2021
Automated Detection of Brain Abnormality usingDeep-Learning-Scheme: A Study	Kadry S., Nam Y., RaufH.T., <b>RajinikanthV</b> ., Lawal I.A.	Proceedings of2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation, ICBSII 2021	2021

Breast-Cancer Detection using Thermal Imageswith Marine-Predators-Algorithm Selected Features	Rajinikanth V., Kadry S., Taniar D., Damasevicius R., Rauf H.T.	Proceedings of2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation, ICBSII 2021	2021
U-Net Supported Segmentation of Ischemic-Stroke-Lesion from Brain MRI Slices	Kadry S., Damasevicius R., Taniar D., <b>Rajinikanth</b> V., Lawal I.A.	Proceedings of2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation,ICBSII 2021	2021
Extraction of Abnormal Skin Lesion fromDermoscopy Image using VGG- SegNet	Kadry S., Taniar D., Damasevicius R., <b>Rajinikanth</b> V., Lawal I.A.	Proceedings of2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation, ICBSII 2021	2021
Extraction of Tumour in Breast MRI using JointThresholding and Segmentation - A Study	Kadry S., Damasevicius R., Taniar D., <b>Rajinikanth</b> V., Lawal I.A.	Proceedings of2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation, ICBSII 2021	2021
Retinal Vessel Segmentation with Slime- Mould-Optimization based Multi-Scale- Matched-Filter	Kadry S., <b>Rajinikanth</b> V., Damasevicius R., Taniar D.	Proceedings of2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation,ICBSII 2021	2021
Automated Detection of Schizophrenia from BrainMRI Slices using Optimized Deep- Features	Kadry S., Taniar D., Damasevicius R., <b>Rajinikanth</b> <b>V</b> .	Proceedings of2021 IEEE 7th International Conference on Bio Signals, Images and Instrumentation, ICBSII 2021	2021
Machine-Learning-Scheme to Detect Choroidal-Neovascularization in Retinal OCT Image	Rajinikanth V., Kadry S., Damasevicius R., Taniar D., Rauf H.T.	Proceedings of2021 IEEE 7th International Conference onBio Signals, Images and	2021

		Instrumentation,ICBSII 2021	
Automated Segmentation of COVID-19 Lesion from Lung CT Images Using U-Net Architecture	Kadry S., Al- Turjman F., <b>Rajinikanth</b> V.	Lecture Notes of the Institute for Computer Sciences, Social- Informatics and Telecommunications Engineering, LNICST	2021
An Optimized Method for Skin Cancer Diagnosis Using Modified Thermal Exchange Optimization Algorithm	Wei L., Pan S.X., Nanehkaran Y.A., <b>Rajinikanth</b> V.	Computationaland Mathematical Methods in Medicine	2021
Recognition of Skin Diseases Using Curvelet Transforms and Law's Texture Energy Measures	Chaki J., Dey N., <b>Rajinikanth</b> V., Ashour A.S., Shi F.	Advances in Intelligent Systems and Computing	2021
A Framework to Evaluate and Classify the Clinical-Level EEG Signals with Epilepsy	Chowdhury L., Chowdhury B.R., <b>Rajinikanth</b> V., Dey N.	Lecture Notes in Networks and Systems	2021
An Examination System to Classify the Breast Thermal Images into Early/Acute DCIS Class	Dey N., <b>Rajinikanth</b> V., Hassanien A.E.	Lecture Notes in Networks and Systems	2021
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