

Velammal College of Engineering and Technology
Department of ECE
Faculty Journal Publications

Academic Year : 2021-22

S. No.	Name	Title of the Paper	Name of the Journal	Month & Year of Publication Volume, Page
1.	Dr. S. Vasuki	An efficient algorithm for automatic classification and centromere detection in G-band human chromosome image using band distance feature	Journal of Intelligent & Fuzzy Systems	June 2021, vol. 40, no. 6, pp. 11463-11474, 2021
2.		Fabrication and characterization of RF sputtered ZnO thin film based phototransistors for UV detection applications	Optoelectronics and Advanced Materials – Rapid Communication	Vol. 15, No. 7-8, July-August 2021
3.		Significance of Texture Features in the segmentation of remotely sensed images	Optik, Elsevier	October 2021 Vol. 249 pp.no. 168241
4.		PPG Signal Denoising using a New Method for the Selection of Optimal Wavelet Transform Parameters	Journal of University of Shanghai for Science and Technology	25/10/2021 Vol. 23, Issue 10
5.		Identification of Glaucoma in Human Fundus Images using Multilevel Deep Convolutional Neural Network	International Journal of Scientific Research in Engineering and Management	Vol:06 Issue:06 June 2022
6.	Dr. A. Babu Karuppiah	Time Efficient Automated Code Quality Optimization	International Journal of Scientific Research in Engineering and Management	Vol:06 Issue:06 June 2022
7.	Dr. K. Kavitha	Plant Disease Identification using Densenet Architecture	GIS Science Journal	Volume 9, Issue 6, June 2022
8.	Dr. P. Suveetha Dhanaselvam	Analytical Drain Current Modeling of Junctionless Triple Material Gate-all-Around Silicon Nanowire Transistor	Silicon, Springer	16 August 2021
9.		Performance Analysis and Characterization of ZnO/Si Heterojunction diode	Silicon, Springer	Jun-2021
10.		VLSI Implementation of identification of Human faces	International Journal for Research in Computer and Communication Engineering	Volume 10, Issue 5, May 2022
11.	Dr. P. Rajeswari	Design and Implementation of Phase Shifter for Wireless Communication	International Journal for Research in Applied	Volume 10, Issue VI, June 2022

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			Science & Engineering Technology	
12.	Dr. K. Kavitha, Asso. Prof.	PPG Signal Denoising using a New Method for the Selection of Optimal Wavelet Transform Parameters	Journal of University of Shanghai for Science and Technology	25/10/2021 Vol. 23, issue 10
13.		Real-time Automated License Plate Recognition using R-CNN	International Journal of Scientific Research in Engineering and Management	Vol:06 Issue:06 June 2022
14.	Dr. P. Karthikeyan	An Advance Design Engineering Approach for Secure Data Transmission using Fuzzy Extractor with Cryptographic Face Biometric	Design Engineering	23/12/2021 Volume 12
15.		An Improved Butterfly-Net Based Detection of Stones in Kidney Images	International Journal of Scientific Research in Engineering and Management	Vol:06 Issue:06 June 2022
16.	Dr. S. Gandhimathi @Usha	Significance of texture features in the segmentation of remotely sensed images	Optik- International Journal for Light and Electron Optics	1/5/2022 249, 168241
17.		VLSI Implementation of identification of Human faces	International Journal for Research in Computer and Communication Engineering	Volume 10, Issue 5, May 2022
18.	Dr. P. Kavitha	Performance Improvement of PSO Based Resource Allocation for Secure URLLC	International Journal for Research in Computer and Communication Engineering	Volume 10, Issue 5, May 2022
19.	Mr. A. Suban	Optimal Multiuser Downlink Cooperative Beamforming in Cognitive Radio Networks using Admission Control	International Journal of Engineering Applied Sciences and Technology	Vol.7, Issue 2, pg: 161-165
20.	Mr. G. Pradeep Kumar	Deep Learning based Emotion Analysis and Recognition for Movie Review	International Journal for Research in Applied Science & Engineering Technology	Volume 10, Issue VI, June 2022
21.	Mr. M. Sakthivel	COVID 19 Detection using Deep Learning Techniques	International Journal of Scientific Research in Engineering and Management	Vol:06 Issue:06 June 2022

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22.	Mr. R. Rajaraja	Implementation of Hardware Efficient Light Weight Encryption Method using Iterative Architecture	International Journal of Scientific Research in Engineering and Management	Vol:06 Issue:06 June 2022
23.	Ms. A. Alaimahal	Detection of Covid-19 from X-Ray Images Using Deep Learning	International Journal of Recent Advances in Multidisciplinary Topics	29/07/2021 Volume 2, Issue 7, July 2021 - 246-248, ISSN (Online): 2582-7839
24.		Identification of Glaucoma in Human Fundus Images using Multilevel Deep Convolutional Neural Network	International Journal of Scientific Research in Engineering and Management	Vol:06 Issue:06 June 2022
25.	Mr. K. Karthik	Blockchain based secure and energy Efficient Routing Protocol for WSN	International Journal of Scientific Research in Engineering and Management	Volume:06 Issue: 06 June 2022
26.	Mr. B. Karthikeyan	PPG Signal Denoising using a New Method for the Selection of Optimal Wavelet Transform Parameters	Journal of University of Shanghai for Science and Technology	10/25/2021 Vol. 23, Issue 10
27.		Detection of Diabetic Retinopathy through Retinal Fundus Images using CNN	International Journal for Research in Applied Science & Engineering Technology	Volume 10, Issue VI, June 2022
28.		Robust representation and recognition of facial emotions using extreme sparse learning	International Journal of Emerging Technology in Computer Science & Electronics	Volume 29 Issue 4 – MAY 2022.
29.	Dr. N. Nagarani	Design and Development of Pothole Detection using IoT	International Journal of Emerging Technology in Computer Science & Electronics	Vol. 29, Issue 5, June 2022

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Academic Year :2020-21

S. No.	Name	Title of the Paper	Name of the Journal	Volume, Page Month & Year of Publication
1.	Dr. S. Vasuki	Time series analysis of multi-spectral satellite images using game theory classifier	Optik - International Journal for Light and Electron Optics- ELSEVIER	Volume 241, September 2021
2.	Dr. A. Babu Karupiah	Flood Detection and Alert System for Dam Using Raspberry Pi 3	Innovative Research in Computer and Communication Engineering	Vol.8, Issue.8, Aug 2020
3.		Smart Electronic Voting Machine using Arduino an Raspberry Pi-3	Innovative Research in Computer and Communication Engineering	Vol.8, Issue.8, Aug 2020
4.	Dr. K. Kavitha, Professor	Metamaterial Inspired Wearable Antenna for Medical Applications	International Journal of Innovative Research in Computer and Communication Engineering	Vol.8, No.6, 2020, pp: 1111-1115 Aug-2020
5.		Design of microstrip fractal antenna for vehicle to vehicle communication	Journal of Xidian University	Aug-2020
6.		Design of eight element MIMO antenna array for wireless access points	Journal of Xidian University	Sep-2020
7.		Reconfigurable Antennas for Advanced Wireless Communications: A Review	Wireless Personal Communication	5/7/2021 120 (1), pp: 2711-2771
8.	Dr. P. Suveetha Dhanaselvam	A 2D Analytical Modeling and Simulation of Double halo Triple material Surrounding Gate (DH-TMSG)MOSFET	Silicon-Springer	Jul-2020

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S. No.	Name	Title of the Paper	Name of the Journal	Volume, Page Month & Year of Publication
9.		A Quasi 2D Electrostatic Potential and Threshold Voltage Model for Junctionless Triple Material Cylindrical Surrounding Gate Si Nanowire Transistor	Journal of Nanoelectronics and Optoelectronics	Mar-2021
10.	Dr. P. Rajeswari	A Compact 2 element planar Canonical MIMO antenna design for IoT Applications	Journal of Xidian University	Nov-2020
11.	Dr. S. Gandhimathi@Usha	Time series analysis of multi-spectral satellite images using game theory classifier	Optik - International Journal for Light and Electron Optics-ELSEVIER	May-2021
12.		DNN Based Smart Attendance Management System	International Journal of Innovative Research in Computer and Communication Engineering	May-2021
13.	Mr. P. Omprakash	Automated Attendance System using Image Processing and IoT	International Journal of Innovative Research in Computer and Communication Engineering	Vol.8, Issue 8 ,August 2020
14.	Mr. P. Anand	IoT Based Breath Monitoring System using Foil Sensor	International Journal of Scientific Research in Science and Technology	Vol.9 , issue 1, April 2021

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Academic Year :2019-20

S. No.	Name	Title of the Paper	Name of the Journal	Volume, Page Month & Year of Publication
1.	Dr.S.Vasuki, Prof. & Head	An Ensemble Approach for Classification of Breast Histopathology Images	IETE Journal of Research,	68:2, 1320-1329 July 2019
2.		Performance Analysis of DC, UV and RF Characteristics of ZnO Based Thin Film Transistors with HfO ₂ , Si ₃ N ₄ and SiO ₂ Dielectric Layers for Optoelectronic Applications	Sensor Letters	Volume 17, Number 7, July 2019, pp. 564-572(9)
3.	Dr. P. Rajeswari	A Novel Trident Shaped Ultra Wide Band Textile Antenna	International Journal of New Innovations in Engineering and Technology	Apr-20
4.		Performance Analysis of Microstriplines Interconnect Structure with Novel Guard Trace as Parallel Links for High Speed Dram Interfaces	Wireless Personal Communications	Volume 112 Issue 1May 2020 pp 261-271

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Academic Year :2018-19

S. No.	Name	Title of the Paper	Name of the Journal	Volume, Page Month & Year of Publication
1.	Dr. S. Vasuki	A Novel Method for Segmentation and Change Detection of Satellite Images Using Proximal Splitting Algorithm and Multiclass SVM	Journal of the Indian Society of Remote Sensing	47 , pages853-865 (2019)
2.	Dr. S. Gandhimathi @Usha	A Novel Method for Segmentation and Change Detection of Satellite Images Using Proximal Splitting Algorithm and Multiclass SVM	Journal of the Indian Society of Remote Sensing	47 , pages853-865 (2019)

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