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ELECTRONICS AND INSTRUMENTATION ENGINEERING

AY 2023-24 Journal Publications

Sl No	Name of the author	Co-other	Title of the Manuscript	Name of the journal	SCI/SCIE	Volume and Issue	Date (M/D/Y)	Q index
1.	Swathi Nadipineni	Dimmita Nagajyothi, Shibu Soman, Selvam Arun Kumar, Ramkumar Govindaraj, Ahammad Shaik Hasane and Omran Omar Karem	Continuous wave light sources with various optical modulators for signal quality optical fiber systems enhancement	Journal of Optical Communications, 2023.	SCOPUS	https://doi.org/10.1515/joc-2023-0221	09-07-2023	Q3
2.	Sushma Chowdary Polavarapu	Panda, S.K. & Naidu, V.P.	Development of asymmetric feed MIMO antenna for Wi-MAX, WIFI applications.	Appl. Phys. A	SCI/SCIE	129 (736)	10-02-2023	Q2
3.	Sushma Chowdary Polavarapu	Parimi Hema Sree, Chowdary, Chandran Ramesh Kumar, Madhubalan Selvaraju, Ramachandran Thandaiah Prabu, Rashida Maher Mahmoud, Shaik Hasane Ahammad	Spatial light sources with various optical wavelength window for high speed broadband optical fiber channel system	Journal of Optical Communications	SCOPUS	45(2024)	09-07-2023	Q3

4.	Css Anupama	Saud Yonbawi, G. Jose Moses, E. Laxmi Lydia, Seifedine Kadry and Jungeun Kim,	Sand Cat Swarm Optimization with Deep Transfer Learning for Skin Cancer Classification	Computer Systems Science and Engineering 2023,	SCI/SCIE	Vol.47, No.2 2079-2095.	7/28/2023	Q3
5.	Jalalu Guntur	Dr. S. Srinivasulu Raju	Performance Analysis of a Three-DOF Piezoelectric Vibration Energy Harvester	Journal of Polymer & Composites	SCOPUS and Web of science	Volume 11, Special Issue 9, 2023.	10/11/2023	Q1
6.	Kranthi Madala	M. Siva Ganga Prasad	Crop mapping through hybrid capsule transient auto-encoder technique based on radar features	Multimedia Tools and Applications	SCI/SCIE	Oct 2023	10/17/2023	Q1
7.	Dr Sankalp Paliwal	Vishnampet, D.S., Yenuganti,	Design and simulation of a resonance-based MEMS viscosity sensor.	J Comput Electron (2023).	SCI/SCIE	https://doi.org/10.1007/s10825-023-02114-9	11/16/2023	Q1
8.	Dasari Anusha	Dr.D.Prabakar ,K.Srinivas, et al.	Synthesis of Elliptical Antenna Array using Hybrid SSWOA Algorithm	ACES JOURNAL	SCI/SCIE	Vol. 38, No. 5, May 2023	9/18/2023	Q3
9.	Prasanti Korapati	A. Kamala Kumari, Yellaeswara Rao Kosuri, B. Keerthi Priya Venkata Rama Koti Reddy Dodda	The effect of substrate on enhancing the sensing properties of nitric oxide gas detection of MoS2 thin film	Journal of Emergent Material	SCOPUS and Web of science	https://doi.org/10.1007/s42247-024-00690-5	02-07-2024	Q1

10.	Mrudula Kilaru	Tathababu Addepalli, V Siva Nagaraju,G Naveen Kumar,Jagadeesh Babu Kamili,Ch Manohar kumar, Padmaja Nimmagadda,Bandi Kiran Kumar	A Compact Self Isolated UWB-MIMO Antenna with WiMAXand WLAN Band Notched Characteristics for Portable Wireless Applications	Wireless Personal Communications	SCI/SCIE	135(3)	05-09-2024	Q2
11.	M. Srinivas	Abhishek Kumar, M. Srinivas, Satyajeet Sahoo, Parimala Arumugam, Sundararaju,et.al.,	Optoelectronic devices based on configurable hysteresis of Schmitt trigger circuit control with the employment of CMOS technology	Journal of Optics	SCOPUS	2024	1/14/2024	Q3
12.	P.Durga Prasada Rao	Unal Aras, P. Durgaprasadarao ET AL.	Dual Features, Compact Dimensions and X-Band Applications for the Design and Fabrication of Annular Circular Ring- Based Crescent-Moon- Shaped Microstrip Patch Antenna	Micromachines	SCI/SCIE	15, 809. https://doi.org/10.3390/mi15070809	6/21/2024	Q2
13.	S.Kalpana	K. Seelam, A. D. Rani, K. Rambabu, B. A. Al-Asbahi, S. M. H. Qaid and P. S. S. Babu,	Flexible Supercapacitors With Improved Energy Density Using OPBI- Coated Polyaniline-Carbon Nanotube Blends	IEEE Transactions on Electron Devices	SCI/SCIE	71(8)	6/25/2024	Q1

AY 2023-24 Conference Publications

SI No	Name of the teacher	Title of the paper	Title of the proceedings of the conference	National / international	Affiliating Institute at the time of publication	Name of the publisher	Date (dd/mm/yyyy)
1.	Mahammad Firose Shaik	Evaluation of Bone Age by Deep Learning Based on Hand X-Rays	<i>ICOECA-2023.</i>	International	R V College of Engineering, Bangalore	SPRINGER	07-03-2023
2.	Mrudula Kilaru	IoT based Smart Water Meter System with Sensor	<i>ICAISS 2023,</i>	International	CARE College of Engineering	SCOPUS	8/25/2023
3.	Dr. A Sumalatha	IOT Based Smart Poultry Management System	<i>International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES 2023)</i>	International	St. Joseph's Institute of Technology (Autonomous),	IEEE	12/15/2023
4.	Sumalatha A	Fisherboat Tracking System Using IOT	<i>International Conference on Computational Intelligence, Networks and Security (ICCINS-2023)</i>	International	Lakireddy Bali Reddy College of Engineering (Autonomous)	SCOPUS	12/23/2023
5.	Kranthi Madala	Smart Sericulture Monitoring System using IoT	<i>2023 Innovations in Power and Advanced Computing Technologies (I-PACT) ,2023</i>	International	VIT, VELLORE	SCOPUS	12-10-2023
6.	Prasanti Korapati	Vertical Green House Onions Farming Using Arduino	<i>2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS)</i>	International	M. P. Nachimuthu M. Jaganathan Engineering College	SCOPUS	10/20/2023
7.	Kalpana Seelam	Milk Fever Detection Device for Cattle Using Internet of Things	<i>International Conference on Sustainable Communication Networks and Application (ICSCNA 2023)</i>	International	Bharath Niketan Engineering College	IEEE	11/17/2023
8.	Jayalakshmi Chandra	An Android Application for Smart Garbage Monitoring System using Internet of	<i>7th International Conference on Computing Methodologies and</i>	International	Surya Engineering College	SCOPUS	2/25/2023

		Things (IoT)	<i>Communication (ICCMC),</i>				
9.	K Umamaheswari	Breast Cancer Assesment Using a Hybrid ANN CNN Approach	<i>2nd IEEE conference on Intelligent and Innovative Technologies in computing, Electrical and Electronics, B.N.M.Institute of Technology,2023</i>	International	B.N.M.Institute of Technology,	SCOPUS	1/25/2024
10.	K Umamaheswari	IoT based ESP32-C3 Driven Smart Energy Meter	<i>proceedings in Grenze International Journal of Engineering and Technology, Jan 2024 Issue</i>	International	Henweis research	SCOPUS	12/23/2023
11.	Paruchuri Srinivas	Implementation of Artificial Neural Network-Based Signal Conditioning Circuit for a Temperature Transducer	<i>2nd International Conference on Futuristic Technologies (INCOFT)</i>	International	S.G.Balekundri Institute of Technology.	SCOPUS	11/24/2023
12.	Paruchuri Srinivas	Novel Maximum Power Point Tracking Implementation Using Satin Bowerbird Algorithm	<i>2023 First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAEECI)</i>	International	KSR College of Engineering,	SCOPUS	10/20/2023
13.	Paruchuri Srinivas	Implementation of Industrial Automation Pyramid	<i>2023 Innovations in Power and Advanced Computing Technologies (i-PACT)</i>	International	VIT, VELLORE	SCOPUS	12-10-2023
14.	Rajesh Polepogu	Identification of presence of Epilepsy using Predictive Analytics	<i>International Conference on Intelligent and Smart Computation (ICIASC- 2023)</i>	International	Chandigarh University, Punjab	SCOPUS	07-08-2023
15.	Paruchuri Srinivas	Polynomial Fit-Based Linearization of NTC Thermistor and Construction of Temperature Alarm for HTST Pasteurization	<i>2023 Global Conference on Information Technologies and Communications (GCITC)</i>	International	REVA University	SCOPUS	12-03-2023
16.	K Umamaheswari	SVM-Guided Dynamic Routing for Post-Harvest Quality Preservation in Smart	<i>2024 3rd International Conference for Innovation in Technology (INOCON)</i>	International	Sai Vidya Institute of Technology, Bengaluru,	SCOPUS	03-03-2024

		Warehouses with IoT					
17.	Dr S Srinivasulu Raju	Identification of Fake Indian Currency Using Deep Learning Techniques	<i>2023 IEEE Technology & Engineering Management Conference - Asia Pacific (TEMSCON-ASPAC)</i>	International	IEEE BANGALORE SECTION	SCOPUS	12/16/2023
18.	Dr S Srinivasulu Raju	Automatic vehicle access control into the residential areas using Face Detection and ANPR technologies,	<i>2023 IEEE Technology & Engineering Management Conference - Asia Pacific (TEMSCON-ASPAC)</i>	International	IEEE BANGALORE SECTION	SCOPUS	12/16/2023
19.	Prasanti Korapati	Design and Simulation of SAW Sensor in COMSOL Multiphysics for Detection of Hexanal in Exhaled Breath	<i>2024 IEEE 2nd International Conference on Device Intelligence, Computing and Communication Technologies</i>	International	Graphic Era	SCOPUS	3/16/2024
20.	Sankalp Paliwal	Design and Simulation of a Differential Resonant Pressure Sensor	<i>2023 16th International Conference on Sensing Technology (ICST).</i>	International	BITS Hyderabad	SCOPUS	12/20/2023
21.	S.Kalpana	Simple Non-Invasive Coronary Artery Disease Detection Using Machine Learning"	<i>4th International Conference on Innovative Practices in Technology and Management (ICIPTM)</i>	International	AMITY University	IEEE	2/23/2024
22.	K Vijaya Lakshmi	Self Balancing Motorcycle Using Reinforcement Learning	<i>4th International Conference on Emerging Systems and Intelligent Computing (ESIC 2024)</i>	International	KIIT University	IEEE	02-10-2024
23.	K Vijaya Lakshmi	Animal Detection for Crop Protection Through the Application of Convolutional Neural Networks	<i>1st International Conference on Innovative Approaches in Engineering & Technology (ICIAET-24)</i>	International	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY	SCOPUS, (Web of Science)	04-06-2024
24.	K Vijaya Lakshmi	Reinforcement Learning For Optimal Robotic Arm Control In Ball Balancing Tasks	<i>International Conference on Communication, Computer Sciences and Engineering (IC3SE-2024),</i>	International	Amity University	SCOPUS	05-11-2024
25.	Sushma	Automatic Grass Cutting	<i>11th International</i>	International	AMITY	SCOPUS	3/15/2024

	Chowdary Polavarapu	Robot Using Arduino And Ultrasonic Sensor	<i>Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO)</i>		UNIVERSITY,		
26.	Swathi Nadipineni	Automatic Railway Track Crack Detection and Alert System	<i>i-PACT 2023</i>	International	Universiti Malaya, Malaysia & VIT, Vellore	SCOPUS	08-10-2023
27.	Paruchuri Srinivas	Implementation of Supervisory Level in Industrial Automation Pyramid	<i>2024 3rd International Conference for Innovation in Technology (INOCON)</i>	International	Sai Vidya Institute of Technology, Belagavi	SCOPUS	03-03-2024
28.	K Niharika	Enhancement of Network Security in MANET using Adaptive Coronavirus Herd Immunity Optimizer (ACHIO) Algorithm for IoT Applications	<i>Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing (ICAAIC-2024)</i>	International	R P SARTHY INSTITUTE OF TECHNOLOGY	SCOPUS	06-07-2020
29.	K Niharika	Cardiovascular Disease Prediction Through Machine Learning Algorithms	<i>Proceedings of the 3rd International Conference on Applied Artificial Intelligence and Computing (ICAAIC-2024)</i>	International	R P Sarthy INSTITUTE OF TECHNOLOGY	IEEE	06-07-2023
30.	S. Kalpana	Automatic Fish Feeder Using Tracking Of Solar Energy and Internet of Things	<i>2023 10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON),</i>	International	AMITY UNIVERSITY	IEEE	12-03-2023
31.	Mahammad Firose Shaik	Enhancing Parkinson's Disease Diagnosis: A Novel Ensemble Stacking Algorithm using Voice Data Analysis	<i>2023 International Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI)</i>	International	Chennai Institute of technology	SCOPUS	12/22/2023
32.	Mahammad	Deep Learning-Based Bone	<i>2023 International</i>	International	Chennai Institute of	SCOPUS	12/22/2024

	Firose Shaik	Age Assessment from Hand X-Rays: An Evaluation and Analysis	<i>Conference on Data Science, Agents & Artificial Intelligence (ICDSAAI)</i>		Technology		
33.	Dr S Srinivasulu Raju	Design and Simulation of a Differential Resonant Pressure Sensor	<i>16th International Conference on Sensing Technology (ICST), HYDERABAD, BITS Pilani, India</i>	International	BITS Hyderabad	IEEE	12/20/2023
34.	Mr G. Jalalu	Performance Analysis of MIMO Tank System using Adaptive Controller	<i>IEEE 9th International Conference for Convergence in Technology (I2CT), Pune</i>	International	Siddhant Group of Institutions IEEE Bombay Section	IEEE	06-04-2023
35.	Dr S Srinivasulu Raju	Design and Simulation of Blood Vessel for Early Diagnosis of Cardiovascular Diseases	<i>IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), Gwalior</i>	International	IIITM Gwalior	IEEE	14-03-2024
36.	Dr S Srinivasulu Raju	Machine Learning Algorithms for Prediction of Stock Market: A Systematic Literature Review	<i>2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)</i>	International	Galgotias University & IEEE Uttar Pradesh Section	IEEE	09-02-2024
37.	Dr S Srinivasulu Raju	Stress detection and performance analysis using IOT based monitoring system	<i>IPDIMS 2023, Lecture Notes in Mechanical Engineering, 2023</i>	International	NIT Rourkela	SCOPUS	01-07-2023
38.	Swathi Nadipineni	360-Degree Disinfection Box using Ultraviolet Sterilization with IoT	<i>i-PACT 2023</i>	International	Universiti Malaya, Malaysia & VIT, Vellore	SCOPUS	08-10-2023
39.	Mrs Ch. Jayalakshmi	Breaking boundaries: Advancing accessibility with camera vision to voice object recognition for the visually impaired	<i>2nd International conference of advancement in smart secure and intelligent computing (ASSIC)</i>	International	KIIT, Deemed to University, Bhubaneswar, India	IEEE	29-01-2024

40.	Mr. P. Rajesh	An Arduino based Advanced Safety Method for Automatic Railway Gate Control	<i>IEEE 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS-2023)</i>	International	Mount Zion College of Engineering and Technology, Pudukkottai, Tamil Nadu, India.	SCOPUS	11-12-2023
41.	Dr. A. Sumalatha	Cloud-Based IoT Solution for Enhanced Poultry Farm Management	<i>4th International Conference on Innovative Practices in Technology and Management (ICIPTM)</i>	International	AMITY UNIVERSITY	IEEE	24/06/2024
42.	K. Prasanthi	Accident Prevention in Curved Ghat Roads Using Embedded Systems	<i>2023 IEEE 7th Conference on Information and Communication Technology (CICT)</i>	International,	PDPM, IIIT. India	IEEE	15/12/2023