Academic Research - Journal papers published – 2022-23

Proof No.	Title of the Paper	Author(s)	Name of the Journal	Publisher	Volume / Issue / Year	Indexing	Quartile	DOI / Link
J-01	A versatile study on neuron deformation of brain through photonic structure	Vigneswaran Dhasarathan	Alexandria Engineering Journal	Elsevier	Volume 71, 15 May 2023, Pages 339-346	SCI / SCIE / WoS	Q1	sciencedirect.com/science/article/pii/
J-02	Heterostructures of polyaniline and Ce–ZnO nanomaterial coated flexible PET thin films for LPG gas sensing at standard environment	Selvakumar D	Chemosphere	Elsevier	Vol. 314, February 2023, 137492, 2023	SCI / SCIE / WoS	Q1	doi.org/10.1016/j.chemosphere.2022.137
J-03	Abris: Anonymous blockchain based revocable and Integrity Preservation Scheme for vehicle to Grid Network.	Arun Sekar R	Energy Reports	Elsevier	Vol. 8, November 2022, Pages 9331-9343	SCI / SCIE / WoS	Q1	doi.org/10.1016/j.egyr.2022.07.064
J-04	Blockchain-based Physically Secure and Privacy-Aware Anonymous Authentication Scheme for Fog-based VANETs	Arun Sekar R	IEEE Access	IEEE	Vol. 11, pp. 17138-17150	SCI / SCIE / WoS	Q1	ieeexplore.ieee.org/document/9991987

Proof No.	Title of the Paper	Author(s)	Name of the Journal	Publisher	Volume / Issue / Year	Indexing	Quartile	DOI / Link
J-05	Self-Adaptive Hybridized Lion Optimization Algorithm With Transfer Learning for Ancient Tamil Character Recognition in Stone Inscriptions	Indra Jaganathan	IEEE Access	IEEE	vol. 11, pp. 39621-39634, 2023	SCI / SCIE / WoS	Q1	ieeexplore.ieee.org/document/10105245
J-06	Interleaved Honeypot-Framing Model with Secure MAC Policies for Wireless Sensor Networks	Maheswar R	Sensors	MDPI	Volume 22, Issue 20, 2022	SCI / SCIE / WoS	Q1	doi.org/10.3390/s22208046
J-07	Blockchain Enabled Anonymous Privacy-Preserving Authentication Scheme for Internet of Health Things	Arun Sekar R	Sensors	MDPI	Vol. 23 Issue 1, Dec 2022	SCI / SCIE / WoS	Q1	doi.org/10.3390/s23010240
J-08	Wearable Sensor Data Classification for Identifying Missing Transmission Sequence Using Tree Learning	Gurumoorthy K B	Sensors	MDPI	Vol. 23, Issue 10, 2023	SCI / SCIE / WoS	Q1	doi.org/10.3390/s23104924
J-09	Silk Fibroin-Based Piezoelectric Sensor with Carbon Nanofibers for Wearable Health Monitoring Applications	Maheswar R	Sensors	MDPI	Vol. 23, No.3, 2023	SCI / SCIE / WoS	Q1	mdpi.com/1424-8220/23/3/1373

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J-10	IOT Battery Management System in electric vehicle based on LR parameter estimation and ORMeshNet Gateway topology	Finney Daniel Shadrach S	Sustainable Energy Technologies and Assessments	Elsevier	Vol. 53, Part C, October 2022, 102696	SCI / SCIE / WoS	Q1	doi.org/10.1016/j.seta.2022.102696
J-11	Design and fabrication of flexible Nanoantenna-based sensor using graphene-coated carbon cloth	Indra J	Advances in Materials Science and Engineering	Hindawi (Wiley)	Vol. 2022, Article ID 2265904, 2022	SCI / SCIE / WoS	Q2	doi.org/10.1155/2022/2265904
J-12	Investigation on Enamel and Dentine of Tooth through 1D Photonic Structure to Identify the Caries in Human Teeth	Vigneswaran Dhasarathan	Bioengineering	MDPI	Vol 9, Issue. 12, 2022	SCI / SCIE / WoS	Q2	mdpi.com/2306-5354/9/12/788
J-13	Human teeth disease detection using refractive index based surface plasmon resonance biosensor	Vigneswaran D	Coatings	MDPI	Vol. 12, Issue 10, 2022	SCI / SCIE / WoS	Q2	doi.org/10.3390/coatings12101398
J-14	A multi-preference integrated algorithm for deep learning-based recommender framework	Jaishankar B	Concurrency and Computation: Practice and Experience	Wiley	Vol. 34, Issue 25, Nov2022	SCI / SCIE / WoS	Q2	doi.org/10.1002/cpe.7241
J-15	Mitigation services on SDN for distributed denial of service and denial of service attacks using Machine Learning Techniques	Seethalakshmi V	IETE Journal of Research	Taylor & Francis	Online	SCI / SCIE / WoS	Q2	doi.org/10.1080/03772063.2022.2142163

Proof No.	Title of the Paper	Author(s)	Name of the Journal	Publisher	Volume / Issue / Year	Indexing	Quartile	DOI / Link
J-16	CE2RV: Commissioned energy-efficient virtualization for large-scale heterogeneous wireless sensor networks	Vasim Babu M	International Journal of Communication Systems	Wiley	Vol. 36, Issue 9, 2023	SCI / SCIE / WoS	Q2	doi.org/10.1002/dac.5480
J-17	An innovative solution for battery draining in 5G devices using alternate routing model	Kathirvelu M	International Transactions on Electrical Energy Systems	Wiley (Hindawi)	Vol. 2022, Article ID 8924801, 2022	SCI / SCIE / WoS	Q2	doi.org/10.1155/2022/8924801
J-18	Enhancement of the carbon content and electrochemical performance by decorating zinc oxide over graphene oxide/polyaniline composite	Tamilselvan K S	J. of Electrochemical Energy Conversion and Storage	ASME	Vol. 20 Issue 2, May 2023	SCI / SCIE / WoS	Q2	doi.org/10.1115/1.4056531
J-19	High-performance graphene oxide/polypyrrole/ziziphusjujuba/prunusdulcis ternary composite electrodes for supercapacitor for sensor applications	Indra J	Journal of Nanomaterials	Hindawi (Wiley)	Vol. 2022, Article ID 9201910, 2022	SCI / SCIE / WoS	Q2	doi.org/10.1155/2022/9201910
J-20	Cluster-ID-based throughput improvement in cognitive radio networks for 5G and beyond-5G IOT Applications	Gurumoorthy K B	Micromachines	MDPI	Vol. 13, Issue 9, 2022	SCI / SCIE / WoS	Q2	doi.org/10.3390/mi13091414

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J-21	AE-Leach: An incremental clustering approach for reducing the energy consumption in WSN	Vasim Babu M	Microprocessors and Microsystems	Elsevier	Vol. 93, 104602, September 2022	SCI / SCIE / WoS	Q2	doi.org/10.1016/j.micpro.2022.104602
J-22	Savitzky Golay and KPCA based Optimal Discrete Wavelet Transform Architecture for Image Compression	Parameshwaran R	Microprocessors and Microsystems	Elsevier	Volume 91, June 2022, 104511	SCI / SCIE / WoS	Q2	sciencedirect.com/science/article/abs/
J-23	Design and analysis of a miniaturized UWB plasmonic absorber in visible light spectrum	Maheswar R	Optik	Elsevier	Vol. 261, 169090, July 2022	SCI / SCIE / WoS	Q2	doi.org/10.1016/j.ijleo.2022.169090
J-24	A Fourfold Star Petal–Shaped Polarization-Insensitive Broadband Plasmonic Metamaterial Absorber	Mohammad Sarwar Raeen, Anveshkumar Nella, Rajagopal Maheswar	Plasmonics	Springer	Vol. 18 / Issue 3 / pp. 1059-1074 / 2023-04-04	SCI / SCIE / WoS	Q2	doi.org/10.1007/s11468-023-01815-y
J-25	Design of a compact double-square-ring-shaped dual-band antenna for WiMAX/WLAN applications	Sathishkumar N	Wireless Personal Communications	Springer	Vol. 128, Page 2073–2084, 2023	SCI / SCIE / WoS	Q2	doi.org/10.1007/s11277-022-10032-5

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J-26	CVD-HNet: Classifying Pneumonia and COVID-19 in Chest X-ray Images Using Deep Network	S. Suganyadevi, V. Seethalakshmi	Wireless Personal Communications	Springer	Vol. 126 / Issue 4 / pp. 3279-3303 / 2022-06-19	SCI / SCIE / WoS	Q2	doi.org/10.1007/s11277-022-09864-y
J-27	Upscaling of air–water system and capillary entrapment of methane in porous media	Maheswar R	Arabian Journal of Geosciences	Springer	Vol. 16, No. 392, 2023	SCI / SCIE / WoS	Q3	link.springer.com/article/10.1007/s125
J-28	Time Delay estimation in radar system using fuzzy based iterative unscented Kalman filter	Jagadesh T	Computer Systems Science and Engineering	Tech Science Press	Vol. 44, No.3, Page. 2569–2583, 2023	SCI / SCIE / WoS	Q3	techscience.com/csse/v44n3/49152
J-29	Water desalination plant fault detection using artificial neural network	Kiruba Shankar R	Global NEST Journal	Global NEST	Vol. 25, Issue 1, pp. 127-133, 2022	Scopus	Q3	journal.gnest.org/publication/gnest_04
J-30	The implementation of a coefficient diagram method, based polynomial controller for a non-linear process with, a distributed control system in a chlorine scrubber system	Kiruba Shankar T R	Gospodarka Surowcami Mineralnymi	PAN (Poland)	Volume 38, Issue 4, Pages 231–255, 2022	SCI / SCIE / WoS	Q3	journals.pan.pl/dlibra/publication/143

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J-31	Automated SAR image segmentation and classification using modified Deep Learning	Sharmila D	Int. J. of Pattern Recognition and Artificial Intelligence	World Scientific	Vol. 37, No. 01, 2252027, 2023	SCI / SCIE / WoS	Q3	doi.org/10.1142/s0218001422520279
J-32	Multiple Sensor based Human Detection Robots: A Review	Tamilselvan K S	Int. J. on Smart Sensing and Intelligent Systems	Sciendo	Vol. 16, Issue 1, 2023	SCI / SCIE / WoS	Q3	proquest.com/openview/da74309a42e44f03
J-33	Machine learning techniques to detect bleeding frame and area in wireless capsule endoscopy video	Tamilselvan K S	Journal of Intelligent & Fuzzy Systems	IOS Press / SAGE	Vol. 44, No. 1, Page 353-364, 2023	SCI / SCIE / WoS	Q3	doi.org/10.3233/jifs-213099
J-34	A Secure Framework for Medical Image by Integrating Watermarking and Encryption through Fuzzy Based ROI Selection	Suganyadevi S	Journal of Intelligent & Fuzzy Systems	IOS Press / SAGE	Vol. 44, No. 5, Page 7449-7457, 2023	SCI / SCIE / WoS	Q3	content.iospress.com/articles/journal-
J-35	Baby Incubator Monitoring System using Global System for Mobile Technology	Tamilsevan K S	Jurnal Kejuruteraan	UKM Press	Vol. 34, No.5, 2022	Scopus	Q3	ukm.my/jkukm/wp-content/uploads/2022/3
J-36	A low complexity spatial mapping assisted companding scheme (SMaCS) for PAPR minimization in OFDM systems	Jaikumar R	National Academy Science Letters	Springer	Vol. 45, Page. 511–515, 2022	SCI / SCIE / WoS	Q3	doi.org/10.1007/s40009-022-01158-y

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J-37	Design and development of Novel Computer Vision-based automatic calibration system for Analog Dial Pressure Gauge	Indra J	Smart and Sustainable Manufacturing Systems	ASTM International	Vol. 6, Issue 1, 2022	Scopus	Q3	doi.org/10.1520/ssms20210019
J-38	Opponent colour median-based scale invariant local ternary pattern: a new feature descriptor for moving object detection	Kalirajan K	The Imaging Science Journal	Taylor & Francis	Online, 2023	SCI / SCIE / WoS	Q3	doi.org/10.1080/13682199.2023.2207887
J-39	Mitigation of E2E Delay in LF-IEHM Routing Protocol for Underwater Acoustic Wireless Sensor Networks	Maheswar R	Ad Hoc & Sensor Wireless Networks	Old City Publishing	Vol. 53 Issue 3-4, page 285-301, 2022	SCI / SCIE / WoS	Q4	oldcitypublishing.com/journals/ahswn-h
J-40	Enhancing supercapacitor performance using ZnO embedded on GO/PPY composite as versatile electrodes	Tamilselvan K S	High Energy Chemistry	Springer (Pleiades)	Vol. 57, Page. 69-76, 2023	SCI / SCIE / WoS	Q4	doi.org/10.1134/s00181439230100334

Academic Research - Conference papers published – 2022-23

Proof No.	Title of the Paper	Author(s)	Name of the Conference	Date	Indexing	DOI / Link
C-01	Automatic Floor Cleaning Robot	Saravanan K	2022 IEEE International Conference on Data Science and Information System (ICDSIS)	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/9915986
C-02	Voice Recognition Chat bot for Consumer Product Applications	Kathirvelu M	IEEE International Conference on Data Science and Information Systems (ICDSIS)	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/9915884
C-03	Wavelet based Video Compression techniques for Industrial monitoring applications	Gunanandhini S	ICDMME-2021, Journal of Physics: Conference Series, IOP Publishing	Vol. 2272,2022	Scopus	iopscience.iop.org/article/10.1088/1742
C-04	Plant Health Monitoring System and Smart Gardening using IoT	Ram Nivas D	IEEE International Conference on Data Science and Information Systems (ICDSIS-2022)	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/9915830
C-05	Swarm Intelligence based Clustering and Routing Using AISFOA-NGWO for WSN	Vasim Babu M	Third Congress on Intelligent Systems. CIS 2022	Page. 235–248, March 2023	Scopus	doi.org/10.1007/978-981-19-9225-4_18
C-06	Experimental analysis on design and implementation of steam oven using copper tubes for heating applications	Venugopal D	Materials Today Proceedings	Vol 66, Part 3, Page 1183 – 1188, 2022	Scopus	doi.org/10.1016/j.matpr.2022.04.988
C-07	A THz Tuned Plasmonic Material Absorber in Visible Light Spectrum for Low Power Devices	Maheswar R	Wireless, Antenna and Microwave Symposium (WAMS), IEEE Xplore	Page. 1-4, 2022	Scopus	ieeexplore.ieee.org/document/9848234

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C-08	IOT based Smart solution for Traffic congestion at Metro Cities	Arun Sekar R	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), IEEE Xplore	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/9914174
C-09	Artificial Intelligence-based Web-Centric E-health Monitoring System	Ramesh S M	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), IEEE Xplore	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/9914101
C-10	Optimization techniques for reducing the emissions through interconnected cars	Finney Daniel Shadrach S	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), IEEE Xplore	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/9914354
C-11	Diabetic Retinopathy Detection Using Retinal Fundus Picture and Image Enhancement Using Fuzzy Clustering	Finney Daniel Shadrach S	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), IEEE Xplore	Page. 1-7, 2022	Scopus	ieeexplore.ieee.org/document/9914296
C-12	DBN with a Developed Version of Thermal Exchange Optimization (TEO) Model for Skin Cancer Detection and Classification	Finney Daniel Shadrach S	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), IEEE Xplore	Page. 1-7, 2022	Scopus	ieeexplore.ieee.org/document/9914009
C-13	A binary Bird Swarm Optimization technique for cloud computing task scheduling and load balancing	Finney Daniel Shadrach S	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), IEEE Xplore	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/9914085

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C-14	IOT based LED Electronics board	Singaram M	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), IEEE Xplore	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/9914315
C-15	Design and Development of Virtual Lab Environment for Embedded System and IoT Applications	Indra J	2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), IEEE Xplore	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/9914369
C-16	An Implementation Perspective on Electronic Invoice Presentment and Payments	Vasim Babu M	Third International Conference on Image Processing and Capsule Networks	Page. 664–671	Scopus	link.springer.com/chapter/10.1007/978-
C-17	A survey of medical image processing and Applications	Kalirajan K	4th international conference on Inventive Research in Computing applications	Page. 1541-1546, 2022	Scopus	ieeexplore.ieee.org/document/9985621
C-18	A survey on higher order majority gates utilized in novel Quantum Dot Cellular Automata Technology (QCA)	Ram Nivas D	International Conference on Augmented Intelligence and Sustainable systems	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/10010575
C-19	Machine Learning approaches for detecting epileptic seizures based on EEG signals	Seethalakshmi V	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	Page. 1-4, 2022	Scopus	ieeexplore.ieee.org/document/9972582
C-20	Coherent Data Transmission Using Multiplexing for a DWDM Communication System	Seethalakshmi V	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	Page. 1-4, 2022	Scopus	ieeexplore.ieee.org/document/9972482

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C-21	Design and Development of movable antenna system for multiplatform wireless communication	Nithya S	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/9972389
C-22	An Effective and Secured Routing Protocol Based on Cluster Head in WSN	Venkatesh T	Advances in Data and Information Sciences. Springer	Vol. 522, Page. 469-476, 2022	Scopus	doi.org/10.1007/978-981-19-5292-0_43
C-23	Uplink Massive MIMO Network Performance	Arun Sekar R	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon), 2022	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/9972387
C-24	A Novel System Model for Managing Cyber Threat Intelligence	Arun Sekar R	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/9972703
C-25	Classification of EEG signals using Machine learning algorithms	Suganyadevi S	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/9972364
C-26	Smart Healthcare in IoT using Convolutional Based Cyber Physical System	Suganyadevi S	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/9972679
C-27	Design and Implementation of High-Speed Low Power Bi-stable Circuits for Digital Circuits Applications	Kathirvelu M	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	Page. 1-4, 2022	Scopus	ieeexplore.ieee.org/document/9972469
C-28	Wireless Electronic Notice Board and Attendance Monitoring System	Ram Nivas D	3rd International Conference on Communication, Computing, and Industry 4.0 (C2I4) –2022	Page. 1-6, 2023	Scopus	ieeexplore.ieee.org/document/10051245

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C-29	Area Reduction in Field Programmable Gate Array with Convolutional Neural Network	Murugan K	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/9972491
C-30	A handy diagnostic tool for early congestive heart failure prediction using catboost classifier	Kalamani M	International conference on Hybrid Intelligent systems, Springer	Vol. 647, Page. 1041–1052, 2022	Scopus	link.springer.com/chapter/10.1007/978-
C-31	Hybrid convolution multilayer perception for cyber physical systems	Kalamani M	International conference on Hybrid Intelligent systems, Springer	Page. 1053–1063, 2023	Scopus	link.springer.com/chapter/10.1007/978-
C-32	A Novel Microwave Imaging using Flexible Triangular Fractal Monopole and Antipodal Vivaldi Antennas	Satheesh Kumar S	IEEE Conference on Smart Technologies, Communication and Robotics (STCR), 2022	Pages 1-4, 2022	Scopus	ieeexplore.ieee.org/document/10009593
C-33	Design and Development of Smart Wheelchair System Using Hand Gesture Control	Satheesh Kumar S	IEEE 6th International Conference on Electronics, Communication and Aerospace Technology, 2022	Pages 312-315, 2022	Scopus	ieeexplore.ieee.org/document/10009456
C-34	An innovative and scalable SDN architecture for wireless sensor networks	Prasad J	AIP Conference Proceedings 2523	Vol. 2523, Issue 1, 2023	Scopus	doi.org/10.1063/5.0110251
C-35	Healing and Preventing Trees from Beetles Using Pesticides	Pradeep Kumar G	2023 International Conference on Computer Communication and Informatics (ICCCI)	Page. 1-5, 2023	Scopus	ieeexplore.ieee.org/document/10128326
C-36	Integrity Auditing for Secure Cloud Storage on Sensitive Data Protection	Arun Sekar R	2023 IEEE 2nd International Conference on Mobile Networks and Wireless Communications (ICMNWC)	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/10031918

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C-37	IOT Based Milk Analyzer using Arduino with Wi-Fi Module	Kathirvelu M	2022 IEEE 2nd International Conference on Mobile Networks and Wireless Communications (ICMNWC)	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/10031666
C-38	Design of Power and Delay Efficient Fault Tolerant Adder	Muralidharan J	International Conference on AI and smart energy	Page. 290-293, 2023	Scopus	ieeexplore.ieee.org/document/10073682
C-39	Intelligent Fusion Approach for MRI and CT Imaging using CNN with Wavelet Transform Approach	Finney Daniel Shadrach S	2022 International Conference on Knowledge Engineering and Communication Systems (ICKES)	Page. 1-6, 2023	Scopus	ieeexplore.ieee.org/document/10060322
C-40	A Analysis of Artificial Neural Networks use in Predicting Secondary Structures	Shanmugaraja T	2022 International Conference on Knowledge Engineering and Communication Systems (ICKES)	Page. 1-6, 2023	Scopus	ieeexplore.ieee.org/document/10060506
C-41	Smart Controller for Air Conditioning in Car using IoT	Pradeep Kumar G	Second International Conference on Electronics and Renewable Systems (ICEARS-2023)	Page. 590-596, 2023	Scopus	ieeexplore.ieee.org/document/10085112
C-42	Internet of Things (IoT) Feedback System Using Raspberry Pi	Pradeep Kumar G	Seventh International Conference on Computing Methodologies and Communication (ICCMC 2023)	Page. 1399-1404, 2023	Scopus	ieeexplore.ieee.org/document/10083989
C-43	An IoT based Low Cost E-Parking System in Smart Cities	Pradeep Kumar G	Second International Conference on Electronics and Renewable Systems (ICEARS-2023)	Page. 601-606, 2023	Scopus	ieeexplore.ieee.org/document/10085395

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C-44	Secure Multimodal Biometric System Based on Robust LSB-DWT Digital Watermarking Algorithm	Pradeep Kumar G	Second International Conference on Computational Systems and Communication (ICCSC 2023)	Page. 1-6, 2023	Scopus	ieeexplore.ieee.org/document/10142972
C-45	Sports Applications of Biomechanics Wearable Sensors using IoT	Pradeep Kumar G	Second International Conference on Electronics and Renewable Systems (ICEARS-2023)	Page. 613-618, 2023	Scopus	ieeexplore.ieee.org/abstract/document/
C-46	A microservices-based IoT applications in Edge computing environments	Ramesh S M	2022 2nd International Conference on Innovative Sustainable Computational Technologies (CISCT)	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/10046492
C-47	Design of arithmetic circuits using an Approximation computing	Arun Sekar R	IEEE International conference on Advanced computing and commuting systems	Page. 1256-1261, 2023	Scopus	ieeexplore.ieee.org/document/10112859
C-48	Cybersecurity in Internet of Things networks using deep learning models	Muralidharan J	International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)	Page. 1090-1095, 2023	Scopus	ieeexplore.ieee.org/document/10104851
C-49	RFLSR based Productive MBIST Architecture for VLSI	Supriya M	2022 Second International Conference on Advanced Technologies in Intelligent Control, Environment, Computing & Communication Engineering (ICATIECE)	Page. 1-5, 2023	Scopus	ieeexplore.ieee.org/document/10047528
C-50	Alzheimer's Disease classification using convolutional neural networks	Kalirajan K	IEEE International conference on Innovative data communication technologies and application	Page. 1044-1048, 2023	Scopus	ieeexplore.ieee.org/abstract/document/

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C-51	Alzheimer's Disease Diagnosis using Deep Learning Approach	Suganyadevi S	2023 Second International Conference on Electronics and Renewable Systems (ICEARS)	Page. 1205-1209, 2023	Scopus	ieeexplore.ieee.org/document/10085017
C-52	A review on evolution of approximate truncation multipliers	Kalirajan K	IEEE International conference on Advanced computing and commuting systems	Page. 391-394, 2023	Scopus	ieeexplore.ieee.org/document/10112897
C-53	Smart charging station for PHEVs	Kathirvelu M	in 6th Smart Cities Symposium (SCS 2022)	Page. 276 – 282, 2022	Scopus	ieeexplore.ieee.org/document/10137459
C-54	Blockchain-based Wireless Sensor Network Security Through Authentication and Cluster Head Selection	Finney Daniel Shadrach S	2023 IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS)	Page. 1-5, 2023	Scopus	ieeexplore.ieee.org/abstract/document/
C-55	A Secure Authenticated Message Transfer in Healthcare Application	Arun Sekar R	2023 IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS)	Page. 1-6, 2023	Scopus	ieeexplore.ieee.org/document/10099494
C-56	Low power and high speed level translator using Widlar topology	Ramesh SM	Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2023)	Page. 1-6, 2023	Scopus	ieeexplore.ieee.org/document/10157495
C-57	Internet of Things based Innovative Irrigation System for the evaluation of Sand Quality with Security measures for Agriculture Land using Wireless Sensor Network	Ramesh S M	IEEE sponsored Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2023)	Page. 1-6, 2023	Scopus	ieeexplore.ieee.org/document/10157473

Proof No.	Title of the Paper	Author(s)	Name of the Conference	Date	Indexing	DOI / Link
C-58	Deep Learning based ROI Segmentation using Convolution Neural Network	Saranya M D	2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC)	Page. 115-120, 2023	Scopus	ieeexplore.ieee.org/document/10140635
C-59	Chroma Vision: A Comprehensive Solution for Vision Enhancement	Arun Sekar R	Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM2023)	Page. 1-8, 2023	Scopus	ieeexplore.ieee.org/document/10142899
C-60	Building collapse alert system using IOT	Balamurali S	Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM2023)	Page. 1-5, 2023	Scopus	ieeexplore.ieee.org/document/10142565
C-61	Certain Investigations on Channel Utilization in Mimo System Based on Antenna Selection	Jagadesh T	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	Page. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/9972434
C-62	Design of a Robotic Helpmate	Nithya S	2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)	Page. 1743-1748, 2023	Scopus	ieeexplore.ieee.org/document/10112882
C-63	IOT based health monitoring in hospitals	Jagadesh T	Eighth International Conference on Science Technology Engineering and Mathematics (ICONSTEM2023)	Page. 1-5, 2023	Scopus	ieeexplore.ieee.org/document/10142416

Proof No.	Title of the Paper	Author(s)	Name of the Conference	Date	Indexing	DOI / Link
C-64	Application of Machine Learning for Malicious Node Detection in IoT Networks	Prasad J	2023 International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE)	Page. 1227-1231, 2023	Scopus	ieeexplore.ieee.org/document/10091042
C-65	An IoT Based Agricultural Management Approach Using Machine Learning	Prasad J	2023 International Conference on Innovative Data Communication Technologies and Application (ICIDCA)	Page. 61-65, 2023	Scopus	ieeexplore.ieee.org/document/10099598
C-66	Low Power Multiplier using SPST based on Kogge Stone Adder	Murugan K	2023 International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE)	Page. 1-5, 2023	Scopus	ieeexplore.ieee.org/document/10150575
C-67	A Super-Resolution Technique with An Ensemble Deep Learning Based for Cervical Cancer Detection System	Murugan K	2022 IEEE North Karnataka Subsection Flagship International Conference (NKCon)	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/10126740
C-68	IoT based Food Spoilage Detection Monitoring using Blynk	Pradeep Kumar G	9th International Conference on Advanced Computing and Communication Systems	Page. 1093-1098, 2023	Scopus	ieeexplore.ieee.org/document/10113034
C-69	Smart Shopping Trolley based on IoT with Mobile Application	Pradeep Kumar G	Second International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2023)	Page. 1221-1225, 2023	Scopus	ieeexplore.ieee.org/document/10104651
C-70	Safe Transportation System using IoT based Alcohol Detection	Pradeep Kumar G	7th International Conference on Intelligent Computing and Control Systems (ICICCS-2023)	Page. 1521-1526, 2023	Scopus	ieeexplore.ieee.org/document/10142338

Proof No.	Title of the Paper	Author(s)	Name of the Conference	Date	Indexing	DOI / Link
C-71	Meta Learning based Pneumonia detection using stacking ensemble of CNN Snapshots	Saranya M D	2022 IEEE North Karnataka Subsection Flagship International Conference (NKCon)	Page. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/10126658
C-72	Speech Emotion Recognition Using Support Vector Machine and Linear Discriminant Analysis	Kiruba Shankar R	Lecture notes in Networks and Systems, Intelligent System Design and Applications (ISDA 2022), Springer	Vol. 715, 2023	Scopus	link.springer.com/chapter/10.1007/978-
C-73	An Effective Network Communication algorithm for Dynamic Handover	Maheswar R	2022 Third International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE)	pp. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/10100197
C-74	Artificial Neural Network with extreme learning machine-based Wastewater Treatment systems	Finney Daniel Shadrach	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)	pp. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/9972701
C-75	Convolutional Neural Networks for Analysis and Recognition of Facial Expressions	Finney Daniel Shadrach	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon), Mysuru	pp. 1-7, 2022	Scopus	ieeexplore.ieee.org/document/9972564
C-76	Development of V2V Communication using Light Fidelity	Selva Kumar D	2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)	pp. 565-568, 2022	Scopus	ieeexplore.ieee.org/document/9885381
C-77	IoT based Smart U-Turn Vehicle Accident Prevention System	Pradeepkumar G	2023 International Conference on Sustainable Computing and Data Communication Systems (ICSCDS)	pp. 1226-1231, 2023	Scopus	ieeexplore.ieee.org/document/10104675

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C-78	SCUBA Divers Health Monitoring and Risk Management System	Gunanandhini S	2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS)	pp. 1477-1481, 2023	Scopus	ieeexplore.ieee.org/document/10112711
C-79	Image processing and pattern recognition-based car classification for intelligent transportation system	Finney Daniel Shadrach	6th Smart Cities Symposium (SCS 2022)	p. 271 – 275, 2022	Scopus	digital-library.theiet.org/content/con
C-80	Design of Optimized π/4 DQPSK Modem using Fuzzy Based CORDIC Algorithm for MIMO Radar	Reethika A	2022 IEEE North Karnataka Subsection Flagship International Conference (NKCon)	pp. 1-6, 2022	Scopus	ieeexplore.ieee.org/document/10126780?
C-81	5G Millimetre wave antenna Testing and Industrial mmWave radar sensors	Gunanandhini S	2022 IEEE North Karnataka Subsection Flagship International Conference (NKCon)	pp. 1-5, 2022	Scopus	ieeexplore.ieee.org/document/10127073?
C-82	A Novel Efficient AI Based EEG Workload Assessment System using ANN-DL Algorithm	Vasim Babu M	International Conference on Paradigms of Communication, Computing and Data Sciences (PCCDS 2022), Springer	2023	Scopus	doi.org/10.1007/978-981-19-8742-7_62

Academic Research - Books/book chapters published – 2022-23

Proof No.	Title of the Book / Chapter	Author(s)	Book / Publisher	Year	Indexing	Link
B-01	Cognitive Assessment Based on Eye Tracking Using Device-Embedded Cameras via Tele-Neuropsychology	Shanmugaraja T	Telehealthcare-Applications of AI	Chapter 5	Book Chapter	onlinelibrary.wiley.com/doi/abs/10.100
B-02	Fuzzy-Based Patient Health Monitoring System	Venkatesh T	Telehealthcare-Applications of AI	Chapter 6	Book Chapter	onlinelibrary.wiley.com/doi/abs/10.100
B-03	IoT and WSN based Smart Cities: A Machine Learning Perspective	Maheswar R	EAI/Springer Innovations in Communication and Computing (EAISICC)	May 2022	Book, Springer	springer.com/gp/book/9783030841812
B-04	Vehicular Support System for User and Vehicle Accident Prevention	Gurumoorthy K B	EAI/Springer Innovations in Communication and Computing book series	Page. 207–215, 2022	Scopus	link.springer.com/chapter/10.1007/978-
B-05	A Robust Image-Driven CNN Algorithm to Detect Skin Disease in Healthcare Systems	Suganyadevi S	Healthcare 4.0, Chapman and Hall/CRC	Chapter 11, 2022	Book Chapter	taylorfrancis.com/chapters/edit/10.120
B-06	Healthcare Data Analysis Using Deep Learning Paradigm	Suganyadevi S	Deep Learning for Cognitive Computing Systems: Technological Advancements and Applications	Page. 129-148, 2023	Book Chapter	doi.org/10.1515/9783110750584-008
B-07	Hierarchical Clustering Fuzzy Features Subset Classifier with Ant Colony Optimization for Lung Image Classification	Jaikumar R	Image Processing and Intelligent Computing Systems, CRC Press	Chapter 4, 2023	Book Chapter	taylorfrancis.com/chapters/edit/10.120
B-08	Nutrition Food Recognition Using Deep Learning Algorithm for Physically Challenged Human Being	Reethika A	Deep Learning for Cognitive Computing Systems: Technological Advancements and Applications, DE Gruyter	Page. 113-128, 2023	Book Chapter	doi.org/10.1515/9783110750584-007

Proof No.	Title of the Book / Chapter	Author(s)	Book / Publisher	Year	Indexing	Link
B-09	Video Segmentation and Compression	Kalamani M	Computational Intelligence in Image and Video Processing, Chapman and Hall/CRC	2023	Book Chapter	taylorfrancis.com/chapters/edit/10.120
B-10	Early Prediction of Epileptic Seizure Using Deep Learning Algorithm	Jagadesh T	Brain-Computer Interface: Using Deep Learning Applications, Wiley	Chapter 7, 2023	Book / Book Publications	onlinelibrary.wiley.com/doi/abs/10.100
B-11	Non-silicon Computing with Quantum Superposition Entanglement Using Qubits	Seethalakshmi V	Quantum Computing: A Shift from Bits to Qubits. Studies in Computational Intelligence, Springer	Vol. 1085, Page. 131-150, 2023	Book / Book Publications	doi.org/10.1007/978-981-19-9530-9_8
B-12	Investigation on Performance Characteristics of Wearable Textile Patch Antenna	Nithya S	Internet of Things Enabled Antennas for Biomedical Devices and Systems, Springer	Page. 47–58, 2023	Book Chapter	doi.org/10.1007/978-981-99-0212-5_5
B-13	A robust mutual and batch authentication scheme based on ECC for online learning in Industry 4.0	Arun Sekar R	Secure Data Management for Online Learning Applications, CRC Press	2023	Book Chapter	taylorfrancis.com/chapters/edit/10.120
B-14	Deep learning in Covid-19 detection and diagnosis using CXR images: challenges and perspectives	Suganyadevi S	Digital Twin Technologies for Healthcare 4.0, IET	2022	Book Chapter	doi.org/10.1049/PBHE046E_ch10
B-15	Performance Analysis of Flexible Textile Antenna for Health Monitoring of Elderly Alone at Home	Seethalakshmi V	Internet of Things Enabled Antennas for Biomedical Devices and Systems, Springer	Page. 37-45, 2023	Book Chapter	link.springer.com/chapter/10.1007/978-

Proof No.	Title of the Book / Chapter	Author(s)	Book / Publisher	Year	Indexing	Link
B-16	6G With Integration of Sensing and Communication	Aswatha R	Handbook of Research on Design, Deployment, Automation, and Testing Strategies for 6G Mobile Core Network	Chapter 5, pages. 93-113	Book Chapter	igi-global.com/chapter/6g-with-integra
B-17	Cutaneous Disease Optimization Using TeledermatologyUnderresourced Clinics	Supriya M	Telehealthcare-Applications of AI	2022-7-12	Scopus	onlinelibrary.wiley.com/doi/abs/10.100
B-18	Spiking Neural Networks for Robotic Applications	J. Dhanasekar, R. Monisha, K. S. Tamilselvan, V. Seethalakshmi, Gokul Basavaraj G	Neuromorphic Computing Systems for Industry 4.0 / IGI Global (pp. 319-336)	16.06.2023	Book Chapter	doi.org/10.4018/978-1-6684-6596-7.ch012

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