

2023



LIST OF RESEARCH PUBLICATIONS

Sl. No	Authors	Title	Journal	Year	Impact Factor	Dept.	Document Type	Q1/Q2/Q3/Q4
1	Prateek Gupta	Introgression of a dominant phototropin1 mutant enhances carotenoids and boosts flavour-related volatiles in genome-edited tomato RIN mutants.	New Phytologist	2023	9.40	BIO	Article	Q1
2	Mahesh Kumar Ravva	Computational design of efficient corannulene-based non-fullerene acceptors for organic solar cells applications	Journal of Photochemistry and Photobiology A: Chemistry	2023	4.3	CHE	Article	Q1
3	Deblina Dutta	Applications of deep eutectic solvents in metal recovery from E-wastes in a sustainable way	Journal of Molecular Liquids	2023	6.00	EVSE	Article	Q1
4	Prasanthi Boyapati	An IoT Machine Learning Approach for Visually Impaired People Walking Indoors and Outdoors	International Journal of Intelligent Systems and Applications and Engineering	2023	0.00	CSE	Article	Q3
5	Ranjit Thapa	C2 product formation over C1 product and HER on 111 plane of specific Cu alloy nanoparticle identified through multiparameter optimization	Inorganic Chemistry	2023	4.60	PHY	Article	Q1
6	P. Vivekananda Shanmuganathan	Development of a Digital Twin Interface for a Collaborative Robot	Intelligent Control, Robotics, and Industrial Automation	2023	0.00	MECH	BOOK CHAPTER	0
7	Juman Iqbal	Beyond the boss: How distributed leadership elevates team effectiveness in startup organizations? – A multi-level analysis	Evidence based HRM journal	2023	1.60	MANAGEMENT	Article	Q2
8	MUSAH MOHAMMED SAEED	IFRS ADOPTION AND PERFORMANCE IN SUB-SAHARAN AFRICA: A COMPARATIVE ANALYSIS OF NIGERIA AND GHANA.	African Journal of Accounting, Auditing and Finance"	2023	0.90	MANAGEMENT	Article	ABDC(C)
9	Dr. Manab Kundu	pectrum of quaternion signals associated with quaternion linear canonical transform	Journal of the Franklin Institute	2023	4.10	MATHS	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

10	Mahesh Kumar Ravva	Computational design of efficient corannulene-based non-fullerene acceptors for organic solar cells applications	Journal of Photochemistry and Photobiology A: Chemistry	2023	4.3	CHE	Article	Q1
11	Karthik Rajendran	Sustainable Biorefining of Woody Biomass to Biofuels and Biochemicals	Editor in a book series named "Applied Biotechnology Reviews Series Sustainable Biorefining of Woody Biomass to Biofuels and Biochemicals" in Elsevier	2023	0.00	EVSE	BOOK	0
12	Karthik Rajendran	The influence of policies in commercializing biofuels and bioproducts from woody biomass	Sustainable Biorefining of Woody Biomass to Biofuels and Biochemicals.	2023	0.00	EVSE	BOOK CHAPTER	0
13	Karthik Rajendran	Techno-economic analysis on biofuels and bioproducts produced from woody biomass	Sustainable Biorefining of Woody Biomass to Biofuels and Biochemicals.	2023	0.00	EVSE	BOOK CHAPTER	0
14	Karthik Rajendran	Utilization of woody biomass for biogas production	Sustainable Biorefining of Woody Biomass to Biofuels and Biochemicals.	2023	0.00	EVSE	BOOK CHAPTER	0
15	Karthik Rajendran	Biochemical conversion of woody biomass to liquid biofuels	Sustainable Biorefining of Woody Biomass to Biofuels and Biochemicals.	2023	0.00	EVSE	BOOK CHAPTER	0
16	Koyel Chakravarty	The effect of vaccination on COVID-19 transmission dynamics with comorbidity using reaction–diffusion model	The European Physical Journal Plus	2023	3.40	MATHS	Article	Q2
17	Kaushik Saha	The DNA glycosylase NEIL2 is protective during SARS-CoV-2 infection	Nature communications	2023	16.60	BIO	Article	Q1
18	Sabyasachi Mukhopadhyay	Polarity-Induced Morphological Transformation with Tunable Optical Output of Terpyridine–Phenanthro[9,10-d]imidazole-Based Ligand and Its Zn(II) Complexes with I–V Characteristics	ACS Omega	2023	4.10	PHY	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

19	Tapan Kumar Hota	Propagation of nonlinear surface waves over non-periodic oscillatory bottom profiles	European Journal of Mechanics - B/Fluids	2023	2.60	MATHS	Article	Q2
20	Sangjukta Devi	Effect of Combustion Zone Material on the Thermal Performance of Biogas Fuelled Porous Media Burner: Experimental Studies	Biomass Conversion and Biorefinery	2023	4.05	MECH	Article	Q2
21	Rangabhashiyam Selvasembian	An Integrated Approach for Electronic Waste Management—Overview of Sources of Generation, Toxicological Effects, Assessment, Governance, and Mitigation Approaches	Sustainability (MDPI)	2023	3.90	EVSE	Article	Q2
22	Partha Bhattacharjee, Bidisha Pal	Transcending the Trouble, Trauma, and Pain of Failed Marriage and Closeted Sexuality in Indian Web Series Made in Heaven	Quarterly Review of Film and Video	2023	0.00	LITERATURE AND LANGUAGES	Article	Q2
23	Rangabhashiyam Selvasembian	Removal of dyes from water using Citrullus lanatus seed powder in continuous and discontinuous systems	INTERNATIONAL JOURNAL OF PHYTOREMEDIATION	2023	3.70	EVSE	Article	Q2
24	Pradeep Rathore	Impact of branding on customer purchase decision in apparel industry: An application of stimulus-organism-response theory	Vision: The Journal of Business Perspective	2023	2.80	MANAGEMENT	Article	Q2 ABDC-C
25	Nitul Dutta	Reinforcement learning inspired forwarding strategy for information centric networks using Q-learning algorithm	International Journal of Communication Systems	2023	2.10	CSE	Article	Q2
26	Jatis Kumar Dash, Mallikarjuna Rao Motapothula, Mahesh Kumar Ravva, Pardha Saradhi Maram, Siddhartha Ghosh	Efficient photocatalytic green hydrogen production using crystalline elemental Boron nanostructures under visible Light	International Journal of Hydrogen Energy	2023	7.20	PHY/CHE	Article	Q1

2023



LIST OF RESEARCH PUBLICATIONS

27	Stella Chitralkha Biswas	Colonial Modernity in Print Culture: Revisiting Juvenile Periodicals in Nineteenth Century Bengal	The Edinburgh History of Children's Periodicals	2023	0.00	LITERATURE AND LANGUAGES	BOOK CHAPTER	0
28	Stella Chitralkha Biswas	Did the Twain Meet? Modernism and Children's Literature in Twentieth Century Britain and Bengal	Modernist Transitions: Cultural Encounters between British and Bangla Modernist Fiction from 1910s to 1950s by Bloomsbury	2023	0.00	LITERATURE AND LANGUAGES	BOOK CHAPTER	0
29	Vineeth Thomas	Ethical Society: A Premise On Which Successful Democracy Rests	Dharma	2023	0.00	LIBERAL ARTS	Article	Q3
30	Bidisha Pal, Partha Bhattacharjee	Lament Graphically Drawn: Dynamism of Indian Comics in Sensitizing Child-Abuse Inside the House	Articulating Childhood Trauma: In the Context of War, Sexual Abuse and Disability by Routledge publication	2023	0.00	LITERATURE AND LANGUAGES	BOOK CHAPTER	0
31	Siddhant Dash	Perspectives and Understanding on the Occurrence, Toxicity and Abatement Technologies of Disinfection By-products in Drinking Water	Environmental Management	2023	8.70	CIVIL	Article	Q1
32	Sebanti Chatterjee	Justice A Distant Dream for Acid Attack Survivors	360 info	2023	0.00	LIBERAL ARTS	Article	0
33	Satish Anamalamudi, Anil Carie Chettupally, Murali Krishna Enduri	IoT Task Offloading in Edge Computing using Non-Cooperative Game Theory for Healthcare Systems	CMES-Computer Modeling in Engineering & Sciences	2023	2.40	CSE	Article	Q2
34	Ranjit Thapa	Iron phthalocyanine hollow architecture enabled ammonia production via nitrate reduction to achieve 100% Faradaic efficiency	Applied Catalysis B: Environmental	2023	22.10	PHY	Article	Q1
35	Pardha Saradhi Maram	Delineating the importance of simultaneous Zr4+ doping and ZrO2 coating on NCM-622 –	Journal of Materials Science	2023	4.50	CHE	Article	Q1

2023



LIST OF RESEARCH PUBLICATIONS

		A pathway to facilitate high-performance cathodes for lithium-ion batteries						
36	Randhir Kumar	A Softwarized Intrusion Detection System for IoT-Enabled Smart Healthcare System	ACM Transactions on Internet of Things (TIOT)	2023	2.70	CSE	Article	Q1
37	Vineeth Thomas	Assessing the Feasibility of 'One Nation, One Election' in India	Economic and Political Weekly (EPW)	2023	0.30	LIBERAL ARTS	Article	Q2
38	Sayantan Thakur	Vaishnava Philosophy and the Poetic Aesthetics: An Analysis of Jayadeva's Gita Govindam	Tattva: Journal of Philosophy	2023	0.00	LITERATURE AND LANGUAGES	Article	0
39	A. Lakshmana Rao	Exploring Human Capital's Role in Driving Sustainable Organizational Development in the Era of Internet of Things	IEEE Xplore	2023	3.76	COMMERCE	Article	Q1
40	Tamilmaran Nagarajan	Ascorbic acid attenuates cadmium-induced myocardial hypertrophy and cardiomyocyte injury through Nrf2 signaling pathways comparable to resveratrol	3 Biotech	2023	2.80	BIO	Article	0
41	Swagata Samanta	Development of a simple two-step lithography fabrication process for resonant tunneling diode using air-bridge technology	Journal of Semiconductors	2023	0.00	ECE	Article	Q1
42	Shubham Gupta	SAFE: Secure and Fast Key Establishment for Resource Constrained Devices in Device to Device Communications	Communications in Computer and Information Science	2023	0.00	CSE	Conference	0
43	Priyanka Singh	Security Issues in Deep Learning	Studies in Computational Intelligence	2023	0.00	CSE	BOOK CHAPTER	0
44	AMIT KUMAR MANDAL	Lecture Notes in Networks and Systems	Lecture Notes in Networks and Systems	2023	0.00	CSE	Conference	0
45	Manoj K Arora	Linking Changes in Gangotri Glacier Features Derived at a Large-Scale with Climate Variability	EGU General Assembly 2023	2023	0.00	CIVIL	Conference	0

2023

LIST OF RESEARCH PUBLICATIONS

46	Javid Dar	Variation in ecosystem carbon allocation patterns among different vegetation types in Western Ghats, India	EGU General Assembly 2023	2023	0.00	EVSE	BOOK CHAPTER	0
47	Ravi Kumar	Optical Cryptosystems Based on Spiral Phase Modulation	Studies in Computational Intelligence	2023	0.00	PHY	BOOK CHAPTER	0
48	Pooja P., Maha Lakshmi G., Vinith R S V S., SIVA SANKAR YELLAMPALLI	OCR-Based Number Plate Identification Using MATLAB	Lecture Notes in Networks and Systems	2023	0.00	ECE	Conference	0
49	Ravi Kumar	4D imaging using accelerating airy beams and nonlinear reconstruction	Practical Holography XXXVII: Displays, Materials, and Applications	2023	0.00	PHY	Conference	0
50	Vineela Chandra Dodda., Lakshmi Kuruguntla., Shaik Razak., Anup Mandpura., SUNIL CHINNADURAI	Seismic Lithology Interpretation using Attention based Convolutional Neural Networks	International Conference on Intelligent Communication and Computational Techniques	2023	0.00	ECE	Conference	0
51	Dyd Pradeep., SUNIL CHINNADURAI., Bitragunta Vivek Vardhan., Shaik Raiak., KARTHIKEYAN E	Optimal Predictive Maintenance Technique for Manufacturing Semiconductors using Machine Learning	International Conference on Intelligent Communication and Computational Techniques	2023	0.00	ECE	Conference	0
52	Manojkumar Vivekanandan	Blockchain based Secure Erlang Server for Request based Group Communication over XMPP	2023 International Conference on Advances in Intelligent Computing and Applications	2023	0.00	CSE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

53	Manojkumar Vivekanandan	Blockchain based Secure Data Storage Verification Algorithm for Smart City Environment	4th International Conference on Innovative Trends in Information Technology	2023	0.00	CSE	Conference	0
54	PRAKASH JADHAV., Gruhalakshmi Yella., Anitha Azmeera	Ply level strain measurement in composites using digital image correlation	Materials Today: Proceedings	2023	0.00	MECH	Conference	0
55	LAKHVEER SINGH	Metal-organic and covalent-organic frameworks for CO2 capture	CO2-philic Polymers, Nanocomposites and Chemical Solvents	2023	0.00	EVSE	BOOK CHAPTER	0
56	C V Jiji	MIPI 2022 Challenge on Under-Display Camera Image Restoration: Methods and Results	Lecture Notes in Computer Science	2023	0.00	ECE	Conference	0
57	Hiren Kumar Thakkar	Artificial Intelligence Assisted Cardiac Signal Analysis for Heart Disease Prediction	EAI/Springer Innovations in Communication and Computing	2023	0.00	CSE	BOOK CHAPTER	0
58	C V Jiji	A Transformer-Based U-Net Architecture for Fast and Efficient Image Demoireing	Communications in Computer and Information Science	2023	0.00	CSE	Conference	0
59	Pavan Mohan Neelamraju., Anirudh Koganti., Abhiram Unnam., Kajal Tiwari., Bhanu Sankar Penugonda	Voting Based Classification System for Malaria Parasite Detection	Proceedings in Adaptation, Learning and Optimization	2023	0.00	ECE	Conference	0
60	Pranav Pothapragada., Pavan Mohan Neelamraju	Acoustic and Visual Sensor Fusion-Based Rover System for Safe Navigation in Deformed Terrain	Proceedings in Adaptation, Learning and Optimization	2023	0.00	ECE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

61	Kethireddy Maheedhar Reddy., Radha Guha	Automatic Text Summarization For Conversational Chatbot	2023 IEEE 8th International Conference for Convergence in Technology	2023	0.00	CSE	Conference	0
62	Bhagwati Sharan	Human Activity Recognition with Smartphone using Classical Machine Learning Models	2023 10th International Conference on Computing for Sustainable Global Development	2023	0.00	CSE	Conference	0
63	Bhagwati Sharan	Diabetes Prediction using Data Mining Techniques: A state-of-the-art Survey	2023 10th International Conference on Computing for Sustainable Global Development	2023	0.00	CSE	Conference	0
64	Bhagwati Sharan	Enhancing Productivity and User Experience with Advanced Notepad: A Comprehensive Study	2023 10th International Conference on Computing for Sustainable Global Development	2023	0.00	CSE	Conference	0
65	Bhagwati Sharan	Cement Strength Prediction using Regression Techniques	2023 10th International Conference on Computing for Sustainable Global Development	2023	0.00	CSE	Conference	0
66	Bhagwati Sharan	A Nudity Detection Algorithm for Web-based Online Networking Platform	2023 10th International Conference on Computing for Sustainable Global Development	2023	0.00	CSE	Conference	0
67	Bhagwati Sharan	Prediction of Chronic Diseases using Machine Learning Classifiers	2023 10th International Conference on Computing for Sustainable Global Development	2023	0.00	CSE	Conference	0
68	Bhagwati Sharan	Significance of State-of-Art Search Engine in Game Development	2023 10th International Conference on Computing for Sustainable Global Development	2023	0.00	CSE	Conference	0
69	Bhagwati Sharan	Forge News Detection: Random Forest and Bi- LSTM-based Hybrid Approach	2023 10th International Conference on Computing for Sustainable Global Development	2023	0.00	CSE	Conference	0
70	Bhagwati Sharan	Comprehensive Analysis of Machine Learning Approaches for Breast Cancer Detection and Classification	2023 10th International Conference on Computing for Sustainable Global Development	2023	0.00	CSE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

71	Anabik Pal	Deep Cervix Model Development from Heterogeneous and Partially Labeled Image Datasets	Lecture Notes in Networks and Systems	2023	0.00	CSE	Conference	0
72	Chandramouli Malladi	Improved fuzzy rule set distributed algorithm based smart water management system using sensor communication	AIP Conference Proceedings	2023	0.00	CSE	Conference	0
73	Rahul Gowtham Poola., Lahari P L., SIVA SANKAR YELLAMPALLI	Design of Matlab/Simulink-based Edge Detection operators and hardware implementation on ZYNQ FPGA	2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)	2023	0.00	ECE	Conference	0
74	GOUTAM RANA., Divya Chaturvedi., RUPESH KUMAR., Pavan Mohan Neelamraju., Pranav Pothapragada	Machine Learning based Low-Scale Dipole Antenna Optimization using Bootstrap Aggregation	2023 2nd International Conference on Paradigm Shifts in Communications Embedded Systems, Machine Learning and Signal Processing (PCEMS)	2023	0.00	ECE	Conference	0
75	B SURYA SAMANTHA	Security Issues in Vehicular Ad Hoc Networks and Quantum Computing	Evolution and Applications of Quantum Computing	2023	0.00	CSE	BOOK CHAPTER	0
76	ABINASH PUJAHARI	DoS Defense Using Modified Naive Bayes	Lecture Notes in Electrical Engineering	2023	0.00	CSE	Conference	0
77	Muhammad Muazu Bala	A Dynamic Heterogeneous Panel Model for Predicting Healthcare Expenditure in the Middle East Countries	Springer Proceedings in Business and Economics	2023	0.00	ECO	Conference	0
78	ANIRBAN GHOSH	Measurement and Analysis of Radio Signal Propagation in and from Corridor at 300 GHz	2023 17th European Conference on Antennas and Propagation (EuCAP)	2023	0.00	ECE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

79	P Alekhya., P Muneeswar Reddy., Mondikathi Chiranjeevi., V SATEESHKRISHNA DHULI	An Efficient Brain Tumor Classification using CNN and SVM Models	2023 IEEE 12th International Conference on Communication Systems and Network Technologies (CSNT)	2023	0.00	ECE	Conference	0
80	K M DIVYA CHATURVEDI., Buela Pramodini	Miniaturized Inverted L-Shaped Slot Antenna Using HMSIW Technology	2023 2nd International Conference on Paradigm Shifts in Communications Embedded Systems, Machine Learning and Signal Processing (PCEMS)	2023	0.00	ECE	Conference	0
81	MUDIGONDA KRISHNA SIVA PRASAD	Path and information content based semantic similarity measure to estimate word-pair similarity	AIP Conference Proceedings	2023	0.00	CSE	Conference	0
82	Raviteja Reddy Mudireddy., Mohan Aditya Pabolu., Chaitanya Krishna Ankam., Vasu Desik Kota., Hemanth Namala., Venkata Nori	A novel methodology of converting an IC engine scooter into a hybrid electric scooter	AIP Conference Proceedings	2023	0.00	MECH	Conference	0
83	AMIT KUMAR SINGH	Conflicting strategy management technique for companies: An intelligent optimization technique	Artificial Intelligence Techniques in Human Resource Management	2023	0.00	CSE	BOOK CHAPTER	0
84	Mothukuri JayaBharath., Nandamuri	An analysis of Software Maintainability Prediction Using Ensemble Learning Algorithms	2023 3rd International conference on Artificial	2023	0.00	CSE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

	Laasya Choudary., Chebium Sai Pranay., Masana Dhathri Praveenya		Intelligence and Signal Processing (AISP)					
85	AMIT KUMAR MANDAL	A Feature-Weighted Clustering approach for Context Discovery and Selection of Devices in IoT	2023 4th International Conference on Computing and Communication Systems (I3CS)	2023	0.00	CSE	Conference	0
86	ANABIK PAL	Federated Learning Using Multi-institutional Data for Generalizable Chest X-ray Diagnosis	Progress in Biomedical Optics and Imaging - Proceedings of SPIE	2023	0.00	CSE	Conference	0
87	Jayanth Kolisetty., Lakshmi Avinash Rayudu., Tarkeshwar Mahto	Robust Control of DC-DC Buck Converter in DC Microgrid with CPL	2023 5th International Conference on Energy, Power and Environment: Towards Flexible Green Energy Technologies (ICEPE)	2023	0.00	EEE	Conference	0
88	Lahari P L., Rahul Gowtham Poola., SIVA SANKAR YELLAMPALLI	FPGA Implementation of Pattern Detection using Convolutional Neural Networks	2023 2nd International Conference on Edge Computing and Applications (ICECAA)	2023	0.00	ECE	Conference	0
89	RAVI KUMAR	Enhanced design of pure phase greyscale diffractive optical elements by phase- retrieval-assisted multiplexing of complex functions	HOLOGRAPHY: ADVANCES AND MODERN TRENDS VIII	2023	0.00	PHY	Conference	0
90	SAI VISHNU VAMSI., K MOUNIKA NAGABUSHANAM ., SOMESH VINAYAK TEWARI.,	State of Health of Lithium-ion Batteries by Data-Driven Technique with Optimized Gaussian Process Regression	2023 International Conference on Artificial Intelligence and Applications (ICAIA) Alliance Technology Conference (ATCON- 1)	2023	0.00	EEE	Conference	0

2023

LIST OF RESEARCH PUBLICATIONS



	TARKESHWAR MAHTO							
91	Satyam Verma	Forest Fire Characterization with Relation to Meteorology and Topography Parameters in Madhya Pradesh, India	The Palgrave Handbook of Socio-ecological Resilience in the Face of Climate Change	2023	0.00	EVSE	BOOK CHAPTER	0
92	MRITYUNJAY SINGH	Security and Privacy Aspects of Authorized and Secure Communications in Dew-Assisted IoT Systems	Dew Computing	2023	0.00	CSE	BOOK CHAPTER	0
93	Harishree Charath Chandran	Assessment and Teaching of Twenty-First-Century Skills for Students of Engineering	Online Teaching and Learning in Asian Higher Education Pedagogical Approaches to Classroom Practices	2023	0.00	CSE	BOOK CHAPTER	0
94	Harishree Charath Chandran	ICT and Twenty-First-Century Skills for the Students of Engineering	Online Teaching and Learning in Asian Higher Education Pedagogical Approaches to Classroom Practices	2023	0.00	CSE	BOOK CHAPTER	0
95	Bhagwati Sharan	SafeTrack: Empowering Women's Security with GPS Location Tracking and Messaging	2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAIS)	2023	0.00	CSE	Conference	0
96	HARISH PUPPALA	Attention-enabled Deep Neural Network for Enhancing UAV-Captured Pavement Imagery in Poor Visibility	2023 IEEE 6th International Conference on Multimedia Information Processing and Retrieval (MIPR)	2023	0.00	CIVIL	Conference	0
97	K M DIVYA CHATURVEDI., Buela Pramodini	Miniaturized SIW-based Cavity-Backed Antenna	2023 IEEE Wireless Antenna and Microwave Symposium (WAMS)	2023	0.00	ECE	Conference	0
98	ANIRBAN GHOSH	Multipath Extraction and Cluster Identification from an Indoor Measurement at 300 GHz	2023 XXXVth General Assembly and Scientific Symposium of the International Union of Radio Science (URSI GASS)	2023	0.00	ECE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

99	ASHOK KUMAR PRADHAN., Bhaskara Santhosh Egala	Block-Privacy: Privacy Preserving Smart Healthcare Framework: Leveraging Blockchain and Functional Encryption	Internet of Things. Advances in Information and Communication Technology	2023	0.00	CSE	Conference	0
100	G Naga Nithin	An Efficient and Secure Mechanism for Ubiquitous Sustainable Computing System	Internet of Things. Advances in Information and Communication Technology	2023	0.00	CSE	Conference	0
101	Divi Gnanesh., Gouravajjula Lakshmi Sai Bhargavi ., G Naga Nithin	Blockchain-Based Secure Noninvasive Glucometer and Automatic Insulin Delivery System for Diabetes Management	IFIP Advances in Information and Communication Technology	2023	0.00	CSE	Conference	0
102	SONI WADHWA., SONI WADHWA., GOUTAM KUMAR DALAPATI., JATIS KUMAR DASH., Shaik Md Abzal	Book Review of Violent Fraternity: Indian Political Thought in the Global Age by Shruti Kapila	Social History	2023	0.00	LITERATURE AND LANGUAGES	Article	0
103	Muhammad Muazu Bala	Determinants of health system efficiency in middle-east countries-DEA and PLS-SEM model approach	International Journal of System Assurance Engineering and Management	2023	0.00	ECO	Article	0
104	B Sreya., Ayyagari Lakshmana Rao., G Ramakrishnan	Corrigendum: Emerging work environments in the pandemic era: a gendered approach to work-life balance programs	Frontiers in Sociology	2023	0.00	COMMERCE	Article	0
105	Aehsan Ahmad Dar., Suvvari Anandarao., Manzoor Hassan Malik	An appraisal of India's comparative advantage in information technology exports	Journal of Chinese Economic and Foreign Trade Studies	2023	0.00	PSY/ECO	Article	0

2023



LIST OF RESEARCH PUBLICATIONS

106	Dr. Sunil Chinnadurai	Spectral and Spatial Feature Extraction Techniques for Advanced Hyperspectral Image Classification	19th International Conference on Information Assurance and Security (IAS 2023)	2023	0.00	ECE	Conference	0
107	Dr. Sunil Chinnadurai	Hyperspectral Image Classification with Deep Learning: Unleashed by Feature Selection and Extraction	19th International Conference on Information Assurance and Security (IAS 2023),	2023	0.00	ECE	Conference	0
108	U. Gowthami, Dr. M. Durga Prakash	NS-FET Performance Study for Analog and Digital/RF Applications	International IEEE Applied Sensing Conference	2023	0.00	ECE	Conference	0
109	Anirban Ghosh	Characterization of Heart-Centric Nanoscale Communication at Terahertz and Optical Bands	Springer LNNS series books indexed in Scopus	2023	0.00	ECE	Conference	0
110	Shaik Rajak ,Sunil Chinnadurai	A novel energy efficient IRS-relay network for ITS with Nakagami-m fading channels	ICT Express	2023	5.40	ECE	Article	Q1
111	Anirban Ghosh	Indoor Channel Measurement at 300 GHz and Comparison of Signal Propagation With 60 GHz	IEEE Transactions on Communication	2023	8.30	ECE	Article	Q2
112	Pranab Mandal	Flexible multiferroic PVDF/CoFe ₂ O ₄ composite films for pyroelectric energy conversion	Journal of Materials Science	2023	4.5	PHY	Article	Q1
113	Sabyasachi Chakraborty	Maximizing solar energy production in ASEAN region: Opportunity and challenges	Results in Engineering	2023	5	CHE	Article	Q2
114	Pardha Saradhi Maram	Enhanced electrochemical activity of two dimensional layered bismuthene-MWCNT heterostructures based electrodes for the fabrication of high energy density hybrid supercapacitors	Inorganic Chemistry Communications	2023	3.8	CHE	Article	Q2
115	Rajapandiyani JP	Au Nanocakes as a SERS Sensor for on Site and Ultrafast Detection of Dioxins	Vibrational Spectroscopy	2023	2.3	CHE	Article	Q3

2023

LIST OF RESEARCH PUBLICATIONS

116	Rajapandiyar JP	Clinical detection of total homocysteine in human serum using surface-enhanced Raman spectroscopy	Vibrational Spectroscopy	2023	2.3	CHE	Article	Q3
117	G. Maheswaran	Tuning the electrochemical performance of binary CuFe ₂ O ₄ incorporated by ZnO nanoparticles for high performance hybrid supercapacitors	Inorganic Chemistry Communications	2023	3.8	CHE	Article	Q2
118	G. Maheswaran	Enhanced electrochemical activity of PVA assisted CuFe ₂ O ₄ nanoparticles as a potential electrode for the fabrication of high energy density hybrid supercapacitor	Inorganic Chemistry Communications	2023	3.8	CHE	Article	Q2
119	G. Maheswaran	Wattakaka volubilis powered green synthesized CuO, NiO and ZnO nanoparticles for cost-effective biomedical applications	Biomass Conversion Biorefinery	2023	4	CHE	Article	Q3
120	G. Maheswaran	Effects of concentration on the synthesis of bio-derived activated carbon using Datura Stramonium seed pods and investigation of electrochemical activity	J. Phys. Chem. A	2023	2.8	CHE	Article	Q3
121	Harish Puppala	Workplace energy conservation index (WECI): A tool for attaining energy conservation at workplace	Energy, Elsevier	2023	9.00	CIVIL	Article	Q1
122	Dr. Fouzul Atik	On the inverse and Moore–Penrose inverse of resistance matrix of graphs with more general matrix weights.	Journal of Applied Mathematics and Computing.	2023	2.10	MATHS	Article	Q2
123	Priyanka, Jatindra Kumar Dash	Secure Transmission of Medical Images in Multi-cloud e-Healthcare Applications using Data Hiding Scheme	Information Security and Applications	2023	5.60	CSE	Article	Q1
124	Sheetal Yadav	Breaking through Barriers: Empowering Women through Sports in Recent Bollywood Cinema	Quarterly Review of Film and Video	2023	0.00	LITERATURE AND LANGUAGES	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

125	Pardha Saradhi M	Enhanced electrochemical activity of two-dimensional layered bismuthene-MWCNT heterostructures based electrodes for the fabrication of high energy density hybrid supercapacitors	Inorganic Chemistry Communications	2023	3.80	CHE	Article	Q2
126	Priyanka	Robust and Secure Medical Image Watermarking for Edge-enabled e-Healthcare	IEEE Access	2023	3.90	CSE	Article	Q1
127	Rangabhashiyam Selvasembian	Recent advances in the adsorptive removal of 2,4-dichlorophenoxyacetic acid from water	Journal of Water Process Engineering	2023	7.00	EVSE	Article	Q1
128	Manjula R	A Total Randomized SLP Preserving Technique with Improved Privacy and Lifetime in WSNs for IoT and the Impact of Radio Range on SLP	Sensors	2023	3.90	CSE	Article	Q2
129	Kousik Das,Deep Raj	Microplastics in groundwater: An overview of source, distribution, mobility constraints and potential health impacts during the anthropocene	Groundwater for Sustainable Development	2023	5.90	EVSE	Article	Q1
130	Randhir Kumar	Secure Data Dissemination Scheme for Digital Twin Empowered Vehicular Networks in Open RAN	IEEE Transactions on Vehicular Technology	2023	6.80	CSE	Article	Q1
131	Ranjit Thapa	Modulated Ultrathin NiCo-LDH Nanosheet Decorated Zr ³⁺ Rich Defective NH ₂ -UiO-66, Nanostructure For Efficient Photocatalytic Hydrogen Evolution	ACS Applied Materials & Interfaces	2023	9.50	PHY	Article	Q1
132	Murali Krishna Enduri,Jaya Lakshmi T	Community-Based Matrix Factorization (CBMF) Approach for Enhancing Quality of Recommendations	Entropy	2023	2.70	CSE	Article	Q2

2023

LIST OF RESEARCH PUBLICATIONS

133	Pranab Mandal, Pradyut Kumar Sanki	Carbon Nanotube Assisted Device Performance Improvement in a Flexible Piezoceramic-Polymer Hybrid Nanogenerator	ACS Applied Electronic Materials	2023	4.49	PHY/ECE	Article	Q1
134	Rangabhashiyam Selvasembian	Nanoparticles for the adsorptive removal of heavy metals from wastewater	Adsorption through Advanced Nanoscale Materials Applications in Environmental Remediation	2023	0.00	EVSE	BOOK CHAPTER	0
135	Bandi Kamaiah	Predicting and Validating the Impact of Energy Price Fluctuations on Food Inflation: A machine Learning-Based Approach	The IUP Journal of Applied Economics	2023	0.00	ECO	Article	ABDC-C
136	Patta Supraja	Electrochemical investigation of TLR4/MD-2-immobilized Polyaniline and Hollow Polyaniline nanofibers: Towards real-time triaging of gram-negative bacteria responsible for delayed wound healing	IEEE sensors letters	2023	0.69	ECE	Article	Q2
137	Mrutyunjaya Mangaraj	Review of a Comprehensive Analysis of Planning, Functionality, Control, and Protection for Direct Current Microgrids	MDPI Sustainability	2023	3.90	EEE	Article	Q2
138	Gayathri Lakshmi, V Udaya Sankar, Y Siva Sankar,	Survey of PCB Defect Detection Algorithms	Journal of Electronic Testing: Theory and Applications	2023	0.94	ECE	Article	Q3
139	Debabrata Senapati	ERS: Energy-efficient Real-time DAG Scheduling on Uniform Multiprocessor Embedded Systems	37th International Conference on VLSI Design & The 23rd International Conference on Embedded Systems (VLSID 2024).	2023	0.00	CSE	Conference	0
140	Karthik Rajendran	Data-driven model development for prediction and optimization of biomass yield of microalgae-based wastewater treatment	6th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2023) held on 18-20 October 2023.	2023	0.00	EVSE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

141	Mahesh Kumar Ravva	Oxidative Aminopyridylation of Maleimides and 1, 4-quinones with N-Aminopyridinium Ylides at room temperature in absence of any external reagents	Advanced synthesis & Catalysis	2023	5.40	CHE	Article	Q1
142	Sobin CC	A Multilayer Framework for Data Driven Student Modeling	COMSYS 23	2023	0.00	CSE	Conference	0
143	Sobin CC	Machine Learning-Based Early Epilepsy Diagnosis with Secure EEG Data Sharing Using Blockchain	COMSYS 23	2023	0.00	CSE	Conference	0
144	Debabrata Senapati	TMDS: A Temperature-aware Makespan Minimizing DAG Scheduler for Heterogeneous Systems	ACM Transactions on Design Automation of Electronic Systems (ACM TODAES)	2023	1.45	CSE	Article	Q2
145	Rajiv Senapati	An Improved Cardiovascular Disease Prediction Model Using Ensembling of Diverse Machine Learning Classifiers	OCIT 2023	2023	0.00	CSE	Conference	0
146	Rajiv Senapati	Multi Disease Prediction using Ensembling of distinct Machine Learning and Deep Learning Classifiers	icSoftComp 2023	2023	0.00	CSE	Book Chapter	0
147	Murali Krishna Enduri	Identifying and Ranking of Best Influential Spreaders with Improved Mixed Centrality Method.	IEEE Access	2023	3.37	CSE	Article	Q1
148	Sambit Kumar Mishra	LiDAR-based Building Damage Detection in Edge-Cloud Continuum	IEEE PICom	2023	0.00	CSE	Conference	0
149	Sambit Kumar Mishra	Latency Aware – Resource Planning in Edge Using Fuzzy Logic	ICAIHC, IEEE	2023	0.00	CSE	Conference	0
150	Sambit Kumar Mishra	Task Offloading Technique Selection in Mobile Edge Computing	ASSIC, IEEE	2023	0.00	CSE	Conference	0
151	Sambit Kumar Mishra	Enhancing Edge Intelligence with Layer-wise Adaptive Precision and Randomized PCA	ASSIC, IEEE	2023	0.00	CSE	Conference	0

2023

LIST OF RESEARCH PUBLICATIONS

152	Neeraj Kumar Sharma	A Novel Energy Efficient Multi-Dimensional Virtual Machines Allocation and Migration at the Cloud Data Center	IEEE Access	2023	3.90	CSE	Article	Q1
153	Annam Nandini	Heart Disease Prediction using Machine Learning Algorithms from ECG images: A short Summary	OCIT 2023	2023	0	CSE	Conference	0
154	Murali Krishna Enduri	Acute Lymphoblastic Leukemia Blood Cells Prediction Using Deep Learning & Transfer Learning Technique	Indonesian Journal of Electrical Engineering and Informatics (IJEI)	2023	0.218	CSE	Article	Q4
155	Murali Krishna Enduri	Community-Based Matrix Factorization (CBMF) Approach for Enhancing Quality of Recommendations	Entropy	2023	2.7	CSE	Article	Q2
156	Mandal, P. & Nagamalleswari, K.	Studies on PVDF/Ferrite composite films on flexible substrate for pyroelectric energy conversion	New Journal of Chemistry	2023	3.3	PHY	Article	Q2
157	Saikat Sinha Ray	Leveraging ChatGPT and Bard: What does it convey for water treatment/desalination and harvesting sectors?		2023	9.90	EVSE	Article	Q1
158	Sateeshkrishna Dhuli	Deep Learning Based Personality Prediction using Russo-Ukrainian Conflict Tweets in Twitter Network	20th India Council International Conference (INDICON) – 2023	2023	0.00	ECE	Conference	0
159	Sateeshkrishna Dhuli	Wheat Plant Disease Detection Using CNN on Real-Time UAV Images	IEEE CICON	2023	0.00	ECE	Conference	0
160	Sateeshkrishna Dhuli	Ranking Popular Personalities in social networks using mixed centrality method	EEE CICON	2023	0.00	ECE	Conference	0
161	Sateeshkrishna Dhuli	Discovering Vital Nodes in Complex Networks Using Isolating Extended Coreness Score	IEEE CICON	2023	0.00	ECE	Conference	0
162	Manas Ranjan Tripathy	A Phantom based experimental study of the Bio Impedance Monitoring Techniques	ICICS 2023, LPU	2023	0.00	ECE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

163	Sunil Chinnadurai	Automated Lung Size Estimation in Chest X-Ray Images using Deep Learning	20th India Council International Conference (INDICON)	2023	0.00	ECE	Conference	0
164	Sunil Chinnadurai	Noise Reduction in the Capacitive Sensor-Based Tip Clearance Signal from Gas Turbine Engine	IEEE Advances in Computation Intelligence and Communication conference (ICACIC)	2023	0.00	ECE	Conference	0
165	Anirban Ghosh, Anuj Deshpande, Sibendu Samanta	An Indigenous Computational Platform for Nowcasting and Forecasting Non-Linear Spread of COVID-19 across the Indian Subcontinent: A Geo-Temporal Visualization of Data	Elsevier Proceedings of Computer Science	2023	0.90	ECE	Article	0
166	R. Kumar	Analysis of 2-Bit Unit Cell for Reflector Array Antenna in X-Band Applications	IEEE Microwave, Antennas, and Propagation, MAPCON 2023	2023	0.00	ECE	Conference	0
167	R. Kumar	Analysis of Terahertz FMCW Radar System for 2D SAR Imaging	IEEE Microwave, Antennas, and Propagation, MAPCON 2023	2023	0.00	ECE	Conference	0
168	Sabyasachi Chakraborty	"A review on the role of nanotechnology in the development of near-infrared photodetectors: materials, performance metrics, and potential applications"	Journal of Materials Science,	2023	4.2	CHE	Article	Q1
169	Prakash jadhav	Optimization of geometrical design parameters using FEA for better processing of abradable coating geometrical design parameters using FEA for better processing of abradable coating	Springer book chapter	2023	0.00	MECH	Book chapter	0
170	Prakash jadhav	Damage due to stress wave propagation in composite fan blades of aircraft engines	springer book chapter	2023	0.00	MECH	Book chapter	0
171	Supen sah	Free Vibration Analysis of Functionally Graded Material Sandwich Plate Using Refined Shear Deformation Theory	Int conf on modern respearch in aerospace engg	2023	0.00	MECH	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

172	supen sah	Free Vibration Analysis of a Porous Functionally Graded Sandwich Plate using Refined shear Deformation Theory	int conf on applied maths and mechanics	2023	0.00	MECH	Conference	0
173	Raja mangalgi, jammy	Sidewall effects in laminar ramp induced shockwave boundary layer interactions	Computers and fluids	2023	2.8	MECH	Article	Q1
174	Animesh Bhandari	Frame multiresolution analysis on Qp	journal of pseudo-differential operators and applications	2023	0.534	MATHS	Article	Q3
175	Shekar Singh Negi	STUDY OF OSCILLATION CRITERIA OF ODD-ORDER DIFFERENTIAL EQUATIONS WITH MIXED NEUTRAL TERMS	Mathematica Slovaca	2023	1.60	MATHS	Article	Q2
176	KVNS Raviteja	Integrating artificial intelligence, machine learning, and deep learning approaches into remediation of contaminated sites: A review	Chemosphere	2023	8.80	CIVIL	Article	Q1
177	Koyel Chakravarty	Mathematical modelling of HIV-1 transcription inhibition: a comparative study between optimal control and impulsive approach	Journal of Computational and Applied Mathematics	2023	2.60	MATHS	Article	Q2
178	Amit Chakraborty	Flavon signatures at the HL-LHC	Physical Review D	2023	5.40	PHY	Article	Q1
179	Sudhakar Tummala	A 3D sparse Autoencoder for fully automated quality control of affine registrations in big data brain MRI studies	Journal of Digital Imaging	2023	4.40	ECE	Article	Q2
180	V Sateeshkrishna Dhuli, Murali Krishna Enduri	ICDC: Ranking Influential Nodes in Complex Networks based on Isolating and Clustering Coefficient Centrality Measures	IEEE Access	2023	3.90	CSE&ECE	Article	Q1
181	Sumalatha Saleti	Optimizing Fetal Health Prediction: Ensemble Modeling with Fusion of Feature Selection and Extraction Techniques for Cardiotocography Data	Computational biology and chemistry	2023	3.10	CSE	Article	Q1

2023



LIST OF RESEARCH PUBLICATIONS

182	Gangireddy Salla	Magnetoelectric Coupling Optimization in Lead-free Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ and Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ Nanocomposites for Magneto-Mechano-Electric Generator	Ceramic International	2023	5.50	PHY	Article	Q1
183	Rangabhashiyam Selvasembian	Recent progress on the remediation of dyes in wastewater using cellulose-based adsorbents	Industrial Crops and Products	2023	5.90	EVSE	Article	Q1
184	Ravi Kumar	Collision in double-image encryption scheme based on spatial encoding and phase-truncation Fourier transforms	Applied Optics	2023	0.00	PHY	Article	Q2
185	Amlan Baisya	Rereading the Naxalbari Movement (1967-1972): A Gendered Perspective	South Asian Women's Narratives: Literatures of Their Own	2023	0.00	LITERATURE AND LANGUAGES	BOOK CHAPTER	0
186	Rangabhashiyam Selvasembian	Traditional techniques of water purification in rural areas	Water Resources Management for Rural Development Challenges and Mitigation	2023	0.00	EVSE	BOOK CHAPTER	0
187	Vishnupad	Liberal Secularity and the Indian State: Notes on Sabrimala Judgment	Liberalism and its Others," in London: Routledge	2023	0.00	LIBERAL ARTS	BOOK CHAPTER	0
188	Vineeth Thomas	The Illiberal turn in Indian democracy: shifting the trajectory of India's foreign policy	India Review	2023	0.00	LIBERAL ARTS	Article	Q2
189	Harish Puppala	Can offshore wind energy help to attain carbon neutrality amid climate change? A GIS-MCDM based analysis to unravel the facts using CORDEX-SA	Renewable Energy	2023	8.70	Civil	Article	Q1
190	Jatindra Kumar Dash	Deep semantic feature reduction for efficient remote sensing Image Retrieval	IEEE Access	2023	3.36	CSE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

191	Karthik Rajendran	Scope for commercialization and market analysis of bio-based alcohols, fuels, and chemicals	Higher Alcohols Production Platforms - From Strain Development to Process Design	2023	0.00	EVSE	BOOK CHAPTER	0
192	Narendra Singh Yadav	Higher-Order Uniform Convergence and Order Reduction Analysis of A Novel Fractional-Step FMM for Singularly Perturbed 2D Parabolic PDEs with Time-Dependent Boundary Data	Journal of Applied Analysis and Computation	2023	1.82	MATHS	Article	Q2
193	Narendra Singh Yadav	Efficient Parameter-Robust Numerical Methods for Singularly Perturbed Semi Linear Parabolic PDEs of Convection-Diffusion Type	Numerical Algorithms	2023	2.20	MATHS	Article	Q1
194	Vinod Kumar, Sheela Singh	Synthesis, Characterization and Thermal Properties of Mg-3Ca/Fly Ash Composites	Journal of Materials Engineering and Performance	2023	2.40	MECH	Article	Q2
195	Rangabhashiyam Selvasembian	Advanced Functional Materials and Methods for Photodegradation of Toxic Pollutants	Advanced Functional Materials and Methods for Photodegradation of Toxic Pollutants	2023	0.00	EVSE	BOOK	0
196	Karthik Rajendran	Environmental impacts and effects on greenhouse gas emissions in shrimp feed production system for aquaculture – A case study in India	Environmental Research	2023	8.30	EVSE	Article	Q1
197	Karthikeyan, Sunil Chinnadurai	Seismic Data Reconstruction Based on Double Sparsity Dictionary Learning with Structure Oriented Filtering	IEEE Journal of selected topics in applied earth observation and remote sensing	2023	5.50	ECE	Article	Q1
198	Karthik Rajendran	Chapter 10 - Scope for commercialization and market analysis of bio-based alcohols, fuels, and chemicals	Book Title: Higher Alcohols Production Platforms - From Strain Development to Process Design	2023	0.00	EVSE	BOOK CHAPTER	0

2023



LIST OF RESEARCH PUBLICATIONS

199	Prakash Jadhav	Microstructure Image Based Finite Element Methodology to Design Abradable Coatings for Aero Engines	Aerospace	2023	2.66	MECH	Article	Q1
200	Divya Chaturvedi	A QMSIW Cavity-backed Self-Diplexing Antenna with Tunable Resonant Frequency using CSRR Slot	IEEE Antenna and wireless propagation Letters	2023	4.20	ECE	Article	Q1
201	Balaji Babu	The photodynamic activity properties of a series of structurally analogous tetraarylporphyrin, chlorin and N-confused porphyrin dyes and their Sn(IV) complexes	Photodiagnosis and Photodynamic Therapy	2023	3.30	CHE	Article	Q1
202	Soni Wadhwa	The Question of Script for Sindhi in India: Reflections on Postcolonial Grammatology	Interventions: International Journal of Postcolonial Studies	2023	0.70	LITERATURE AND LANGUAGES	Article	Q1
203	Rangabhashiyam Selvasembian	Mechanistic insights of nitrate removal by MgFe/layered double hydroxides prepared by different synthesis pathways	Applied Surface Science Advances	2023	6.20	EVSE	Article	Q1
204	Ranjit Thapa	Octahedral Pd ₃ Cu ₇ Catalysts on Diverse Support Materials for Efficient Hydrogen Evolution: Theoretical Investigation and Mechanistic Perspective	ACS Applied Materials & Interfaces	2023	9.50	PHY	Article	Q1
205	Anusha Nalajala	Application and User-Specific Data Prefetching and Parallel Read Algorithms for Distributed File System	Cluster Computing	2023	4.40	CSE	Article	Q1
206	Sriramulu Bojjagani, Neeraj Kumar Sharma	The Use of IoT-based Wearable Devices to Ensure Secure Lightweight Payments in FinTech Applications	Journal of King Saud University - Computer and Information Science	2023	6.90	CSE	Article	Q1
207	Karthik Rajendran	Sustainable Conversion of Biowaste to Energy to Tackle the Emerging Pollutants: A Review	Current Pollution Reports	2023	8.09	EVSE	Article	Q1

2023



LIST OF RESEARCH PUBLICATIONS

208	G.V.P. Bhagath Singh	Production of Low-Heat Cement from Industrial Waste	16th International Congress on the Chemistry of Cement-2023 (ICCC2023)	2023	NA	Civil	Conference	0
209	G.V.P. Bhagath Singh	Effect of carbonated phases on the performance of different MgO-based formulations	16th International Congress on the Chemistry of Cement-2023 (ICCC2023)	2023	NA	Civil	Conference	0
210	Busi Kumar Babu	Potential impact of various surface ligands on the cellular uptake and biodistribution characteristics of red, green, and blue emitting Cu nanoclusters	RSC Advances	2023	3.90	BIO	Article	Q1
211	Prof V.Kannan	Which cycles force uncountably many orbit-types?	Topology and its Applications	2023	0.58	MATHS	Article	Q3
212	Dr. Narendra Singh Yadav	Efficient Parameter-Robust Numerical Methods for Singularly Perturbed Semilinear Parabolic PDEs of Convection-Diffusion Type	Numerical Algorithms	2023	2.20	MATHS	Article	Q1
213	Dr. Narendra Singh Yadav	Higher-Order Uniform Convergence and Order Reduction Analysis of A Novel Fractional-Step FMM for Singularly Perturbed 2D Parabolic PDEs with Time-Dependent Boundary Data	Journal of Applied Analysis and Computation	2023	1.82	MATHS	Article	Q2
214	Dr.Jaya Lakshmi Tangirala	Link Prediction Approach to Recommender Systems	Computing	2023	3.70	CSE	Article	Q2
215	Dr.Jaya Lakshmi Tangirala	Synergizing Collaborative and Content-Based Filtering for Enhanced Movie Recommendations	-	2023	NA	CSE	Conference	0
216	Dr Hemantha Kumar Kalluri	Face recognition using local binary pattern and Gabor-Kernel Fisher analysis	International Journal of Advanced Intelligence Paradigms	2023	NA	CSE	Article	Q3
217	Dr. Murali Krishna Enduri	A Crop Recommendation System Based on Nutrients and Environmental Factors Using Machine Learning Models and IoT		2023	NA	CSE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

218	Dr.Saleti Sumalatha	Analyzing the health data: an application of high utility itemset mining	IEEE International Conference ICAICCIT-2023	2023	NA	CSE	Conference	0
219	Dr. Randhir Kumar	Blockchain-based Authentication and Explainable AI for Securing Consumer IoT Applications	IEEE Transactions on Consumer Electronics	2023	4.30	CSE	Article	Q1
220	Ms. Anusha Nalajala	Application and User-Specific Data Prefetching and Parallel Read Algorithms for Distributed File Systems	Cluster Computing	2023	4.40	CSE	Article	Q2
221	Dr. M. Krishna Siva Prasad	A Survey on Extraction of Relations using Knowledge Graphs in Various Applications		2023	NA	CSE	Conference	0
222	Arnab Mitra	Indoor Air Quality Monitoring System for Asthma Patients	International Conference on Security, Surveillance and Artificial Intelligence	2023	NA	CSE	Conference	0
223	Jayasree Subramanian	On whose tongue will the goddess write, in whose tongue will the state speak? Mathematics Education, Tamil language, and the caste question in India	ZDM- Mathematics education	2023	2.48	MATHS	Article	Q1
224	Karthik Rajendran	Economic viability of two-stage biohydrogen and biomethane production from cassava stillage residue focusing on solids content and pretreatment	International Journal of Hydrogen Energy	2023	7.20	EVSE	Article	Q1
225	Jatis Kumar Dash	Polyaniline-Based Ink for Inkjet Printing for Supercapacitors, Sensors, and Electrochromic Devices	Energies	2023	3.20	PHY	Article	Q1
226	Soumyajyoti Biswas	Critical scaling through Gini index	Physical Review Letters	2023	8.60	PHY	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

227	Deblina Dutta	Challenges and extended business opportunity associated with E-waste management options	Global E-waste Management Strategies and Future Implications, Elsevier (Scopus Indexed)	2023	0.00	EVSE	BOOK CHAPTER	0
228	Rangabhashiyam Selvasembian	Sustainable valorization approaches on crustacean wastes for the extraction of chitin, bioactive compounds and their applications - A review	International Journal of Biological Macromolecules	2023	8.20	EVSE	Article	Q1
229	Soni Wadhwa	Cochin in Sethu's Aliyah: Provincializing Jewish Identity	Journal of Modern Jewish Studies	2023	0.81	LITERATURE AND LANGUAGES	Article	Q1
230	S. Mannathan	Regioselective Synthesis of 3-Substituted Isocoumarin-1-imines via Palladium-Catalyzed Denitrogenative Transannulation of 1,2,3-Benzotriazin-4(3H)-ones and Terminal Alkynes	Chemistry Asian Journal	2023	4.10	CHE	Article	Q1
231	Sutharsan Govindarajan	Trans-translation system is important for maintaining genome integrity during DNA damage in bacteria	Research in Microbiology	2023	2.60	BIO	Article	Q2
232	Musah Mohammed Saeed	Financial management practices, competitive advantage and loan performance of selected microfinance institutions (MFIs) in Ghana	Business Strategy & Development	2023	3.00	MANAGEMENT	Article	Q1
233	Harish Puppala	New technology adoption in rural areas of emerging economies: The case of rainwater harvesting systems in India	Technological Forecasting and Social Change, Elsevier	2023	12.00	CIVIL	Article	Q1
234	Partha Bhattacharjee	Complex Comics, Complex Trauma: Registration of Traumatized Childhood in the "Autographics" of Phoebe Gloeckner	BOOM! SPLAT!: Comics and Violence (University Press of Mississippi)	2023	0.00	LITERATURE AND LANGUAGES	BOOK CHAPTER	0

2023

LIST OF RESEARCH PUBLICATIONS

235	Sunitha K A	CHANGES IN FRACTAL DIMENSION OF THIN AND THICK BLOOD VESSELS FROM RETINAL FUNDUS IMAGES FOR DIFFERENT STAGES IN DIABETIC RETINOPATHY	Biomedical Engineering - Applications, Basis and Communication	2023	0.90	ECE	Article	Q4
236	Javid Ahmad Dar	Shrub invasion alters the soil CO ₂ efflux in tropical dry deciduous forests of Madhya Pradesh, Central India	Proceedings of the International Academy of Ecology and Environmental Sciences	2023	3.95	EVSE	Article	Q2
237	Pranab Mandal	Room temperature Polar and Weak-ferromagnetic Oxide with Low Dielectric Loss	Materials Science & Engineering B	2023	3.40	PHY	Article	Q2
238	Karthik Rajendran	Bioenergy with carbon capture, storage and utilization: Potential technologies to mitigate climate change	Biomass and Bioenergy	2023	6.00	EVSE	Article	Q1
239	Rangabhashiyam Selvasembian	Separation of Mixtures of Rutin and Quercetin: Evaluating the Productivity of Preparative Chromatography	Chemie Ingenieur Technik	2023	19.00	EVSE	Article	Q2
240	Ashok Kumar Pradhan	LS-AKA: A Lightweight and Secure Authentication and Key Agreement Scheme for enhanced Machine Type Communication Devices in 5G Smart Environment	Sustainable Energy Technologies and Assessments	2023	8.00	CSE	Article	Q1
241	Satish Anamalamudi, Murali Krishna Enduri, Anil Carie Ch	Redundant Transmission Control Algorithm for Information-Centric Vehicular IoT Networks	CMC journal	2023	3.10	CSE	Article	Q2
242	Jatindra Kumar Dash	Study and Development of Hybrid and Ensemble forecasting Models for Air Quality Index Forecasting	Expert Systems	2023	3.30	CSE	Article	Q2

2023

LIST OF RESEARCH PUBLICATIONS

243	Laxmi Narayana Patro	Nitrogen Doped Soap-Nut Seeds Derived Hard Carbon as an Efficient Anode Material for Na-ion Batteries	Journal of Alloys and Compounds	2023	6.20	PHY	Article	Q1
244	Juman Iqbal	Unleashing the missing link between neuroticism and compliance behavior among quick service restaurant employees	International Journal of Hospitality Management	2023	11.70	MANAGEMENT	Article	Q1 ABDCA*
245	Mahesh Kumar Ravva	Mechanochemical Metal-free N-Sulfonyl Transfer Reaction: Expedient Synthesis of N-Sulfonyl Amidines	Asian Journal Of Organic Chemistry	2023	2.70	CHE	Article	Q2
246	Dr.S.Sumalatha	Comparative analysis of optimization algorithms for feature selection in heart disease classification	2nd International Conference on Intelligent Computing Systems and Applications(ICICSA-2023).	2023	NA	CSE	Conference	0
247	Dr.S.Sumalatha	A Survey on Occupancy based Pattern Mining	2nd International Conference on Intelligent Computing Systems and Applications(ICICSA-2023).	2023	NA	CSE	Conference	0
248	Chinmaya Kumar Swain	An Efficient Fog Computing Platform through Genetic Algorithm-Based Scheduling	MAITRI-2023	2023	NA	CSE	Conference	0
249	Dr Shuvendu Rana	3D Video watermarking for MVD based view-synthesis and RST attack	Multimedia Tools and Applications	2023	3.60	CSE	Article	Q1
250	V. M. Manikandan	A Real-Time System to Assist Blind People Through Face Recognition and Emotion Detection	ASIANCON 2023, Pune	2023	NA	CSE	Conference	0
251	V. M. Manikandan	Mitigating Health Risks and Ensuring Safe Video Streaming Environments through Automated Video Content Moderation	iQ-CCHES'23, IIIT Kottayam, Kerala	2023	NA	CSE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

252	Priyanka	Driver Drowsiness Detection Systems using Xception and ResNet152v2 Models	12th International Conference on Soft Computing for Problem Solving - SocProS 2023	2023	NA	CSE	Conference	0
253	Priyanka	Advancing Digital Image Forensics: Enhancing Image Forgery Detection through Error Level Analysis and Convolutional Neural Networks	12th International Conference on Soft Computing for Problem Solving - SocProS 2023	2023	NA	CSE	Conference	0
254	Jayaseelan Murugaiyan	Alternatives to Antibiotics	Antimicrobial Resistance (AMR): Call for Action	2023	0.00	BIO	Article	0
255	Dr. Animesh bhandari	p-Adic Weaving Multiframelets	p-Adic ultrametric analysis and applications	2023	0.50	MATHS	Article	Q2
256	Dr. Koyel chakravarty	Spatiotemporal Dynamics of Chemovirotherapy on Im-	Journal of Applied Nonlinear Dynamics	2023	0.212	MATHS	Article	Q4
257	Surfaraz and syed	Potential impact of various surface ligands on the cellular uptake and biodistribution characteristics of red, green, and blue emitting Cu nanoclusters	RSC advances	2023	4.03	MECH	Article	Q2
258	Supen sah	Buckling Analysis of Porous Uni-Directional Functionally Graded Material Sandwich Plate using Sinusoidal Shear Deformation Theory	Springer book chapter	2023	0.00	MECH	Book Chapter	0
259	Sabyasachi Chakraborty	Developing highly reliable SERS substrates based on Ag grown on alumina nanomeshes anodized under 1 V for efficiently sensing Raman-active molecules	Sensors and Actuators B: Chemical	2023	8.40	CHE	Article	Q1
260	Mahalakshmi Mudliar, Manisha Kumari	SMALL AND MEDIUM-SIZED ENTERPRISES (SMEs) USE OF FINANCIAL STATEMENTS FOR DECISION-MAKING IN GHANA	International Journal of Business and Economics (IJBE)	2023	0.00	MANAGEMENT	Article	ABDC-B
261	Lakshmi Sirisha Maganti	Efficacy of parallel microchannel configurations towards hot-spot thermal management of 8-core microprocessors	Proceedings of the Institution of Mechanical Engineers, Part C	2023	2.00	MECH	Article	Q2

2023

LIST OF RESEARCH PUBLICATIONS

262	Syed Tajammul Ahmad	Monolithically Integrated Optical Frequency Comb Generator based on Mutually Injection Locked Gain Switched Lasers	IEEE Journal of Selected Topics in Quantum Electronics	2023	4.90	ECE	Article	Q1
263	Karthikeyan E	Deep Convolutional Neural Network with Attention module for Seismic Impedance Inversion	IEEE Journal of selected topics in applied earth observation and remote sensing	2023	5.50	ECE	Article	Q1
264	Jayasree Subramanian	Being inclusive or reinforcing of social stereotypes. The case of Kerala State Board mathematics textbooks	Prometeica	2023	0.08	MATHS	Article	Q3
265	Debabrata Senapati	TMDS: A Temperature-aware Makespan Minimizing DAG Scheduler for Heterogeneous Distributed Systems	ACM Transactions on Design Automation of Electronic Systems (ACM TODAES)	2023	1.74	CSE	Article	Q2
266	Ranjit Thapa	Interfacially stacked covalent porous polymer on graphene favors electronic mobility: Ensuring accelerated oxygen reduction reaction kinetics by in situ study	Journal of Materials Chemistry A	2023	11.90	PHY	Article	Q1
267	Priyanka S	Enabling Secure Image Transmission in Unmanned Aerial Vehicle using Digital Image Watermarking with H - Grey Optimization	Expert Systems with Applications	2023	8.50	CSE	Article	Q1
268	Murali Krishna Enduri	Aspects of effectiveness and significance: The use of machine learning methods to study CuIn _{1-x} Ga _x Se ₂ solar cells	Solar Energy	2023	6.70	CSE	Article	Q1
269	Veeravel. V, Kamal Sai Sadharma, Kamaiah Bandi	Do ESG Disclosures lead to superior Firm Performance? A Method-of-Moments Panel Quantile Regression Approach	Corporate Social Responsibility and Environmental Management	2023	9.80	MANAGEMENT/ECO	Article	Q1
270	Rangabhashiyam Selvasembian	Valorization of Wastes for Sustainable Development	Waste to Wealth	2023	0.00	EVSE	BOOK CHAPTER	0
271	Ranjit Thapa	Controlling Metal-Ligand Coordination Environment of Manganese Phthalocyanine	ACS Catalysis	2023	12.90	PHY	Article	Q1

LIST OF RESEARCH PUBLICATIONS

		in 1D-2D Heterostructure for Enhancing Nitrate Reduction to Ammonia						
272	Rangabhashiyam Selvasembian	Reuse of water treatment plant sludge for treatment of pollutants	Resource Recovery in Drinking Water Treatment	2023	0.00	EVSE	BOOK CHAPTER	0
273	Rangabhashiyam Selvasembian	Microbial fuel cells as an energy-efficient alternative for pollution degradation	Resource Recovery in Industrial Waste Waters	2023	0.00	EVSE	BOOK CHAPTER	0
274	Rangabhashiyam Selvasembian	Clay-Based Nanocomposites and Hybrid Membrane for the Treatment of Wastewater	Clay Composites	2023	0.00	EVSE	BOOK CHAPTER	0
275	Rangabhashiyam Selvasembian	Thermochemical processes for resource recovery from municipal wastewater treatment plants	Resource Recovery in Municipal Waste Waters	2023	0.00	EVSE	BOOK CHAPTER	0
276	Anirban Ghosh, Satish Kumar Tiwari	Energy-Efficient and QoS-Aware Data Transfer in Q-Learning-Based Small-World LPWANs	IEEE Internet of Things	2023	0.00	ECE	Article	Q1
277	Ranjit Thapa	Bond Exchange Mechanism: Unveiling the Volmer-Tafel Pathway and an Electronic Descriptor for Predicting Hydrogen Evolution Reaction (HER) Activity of Borophene	ACS Applied Energy Materials	2023	6.40	PHY	Article	Q1
278	Deblina Dutta, Debajyoti Kundu	Face masks: a COVID-19 protector or environmental contaminant?	Environmental Science and Pollution Research	2023	5.80	EVSE	Article	Q1
279	Sambit Kumar Mishra	Role of federated learning in edge computing: A survey	Journal of Autonomous Intelligence	2023	1.10	CSE	Article	Q4
280	Jatindra Kumar Dash	Image watermarking based on remainder value differencing and extended Hamming code"	Journal of Electronic Imaging	2023	1.10	CSE	Article	Q3
281	S. Sumalatha	An Enhancement in the Efficiency of Disease Prediction Using Feature Extraction and Feature Selection	Contemporary Applications of Data Fusion for Advanced Healthcare Informatics	2023	0.00	CSE	Book Chapter	0

2023

LIST OF RESEARCH PUBLICATIONS

282	Sutharsan Govindarajan	Roles for the Synechococcus elongatus RNA-Binding Protein Rbp2 in Regulating the Circadian Clock	Journal of Biological Rhythms	2023	3.50	BIO	Article	Q2
283	Harish Puppala	Barriers to the adoption of new technologies in rural areas: The case of unmanned aerial vehicles for precision agriculture in India	Technology in Society	2023	9.20	CIVIL	Article	Q1
284	Randhir Kumar	Digital Twin-driven SDN for Smart Grid: A Deep Learning Integrated Blockchain for Cybersecurity	Solar Energy	2023	6.70	CSE	Article	Q1
285	Ranjit Thapa	Engineering hydrophobic-aerophilic interface to boost N ₂ diffusion and reduction through functionalization of fluorine	CHEMICAL SCIENCE	2023	8.40	PHY	Article	Q1
286	Jayasree Subramanian	Calling for critical interrogations of white supremacy and settler colonialism in mathematics education research	Prometeica	2023	0.00	MATHS	Article	Q3
287	Pradyut K Sanki	Approaches for Characterizing Absorption Bands of Hyperspectral Signatures: Parametric and Non-Parametric Modelling Techniques	(ICLED 2023)	2023	0.00	ECE	Conference	0
288	Mohd Danish Kirmani	Why do Academicians Share Knowledge? A Study of Higher Education Institutions in India	Frontiers in Psychology	2023	3.80	MANAGEMENT	Article	Q2
289	Abinash Pujahari	Modelling Users' Preference Changes in Recommender Systems via Time-Dependent Markov Random Fields	Expert Systems with Applications	2023	8.50	CSE	Article	Q1
290	HARISH PUPPALA, MANOJ K ARORA	GIS-MCDM based framework to evaluate site suitability and CO ₂ mitigation potential of earth-air-heat exchanger: A case study	Renewable Energy, Elsevier	2023	8.70	CIVIL	Article	Q1

2023



LIST OF RESEARCH PUBLICATIONS

291	Ravi Kuma	Multi-wavelength imaging with extended depth of field using coded apertures and radial quartic phase functions	Optics and Lasers in Engineering	2023	4.60	PHY	Article	Q1
292	Amit Chakraborty	Tagging a boosted top quark with a tau final state	Physical Review D	2023	5.40	PHY	Article	Q1
293	Ranjit Thapa	Functionalized Silver Nanocubes for the Detection of Hazardous Analytes through SERS: Experimental and Computational Studies	ACS Sustainable Chemistry & Engineering	2023	8.40	PHY	Article	Q1
294	Harish Puppala	Fast and Lightweight UAV-based Road Image Enhancement Under Multiple Low-Visibility Conditions	2023 IEEE International Conference on Pervasive Computing and Communications Workshops and other Affiliated Events (PerCom Workshops)	2023	0	CIVIL	Conference	0
295	B. Lokeshgupta and K. Ravivarma	A Multi-Objective Optimization Model for Economic-Environmental Operation of Microgrid	Springer book series "Smart Innovation, Systems and Technologies (SIST)"	2023	NA	EEE	Book Chapter	0
296	Tapas Kumar Mishra	5G-Enabled Secure IoT Applications in Smart Cities Using Software-Defined Networks	IGI Global (Book Chapter)	2023	NA	CSE	Book Chapter	0
297	Kshira Sagar Sahoo	Cost Minimization of Airline Crew Scheduling Problem Using Assignment Technique	International Journal of Intelligent Systems and Applications in Engineering (IJISAE)	2023	NA	CSE	Article	Q3
298	Mrityunjay Singh	Quantum Secure Two Party Authentication Protocol for Mobile Devices	Peer to Peer Networking and Applications	2023	3.80	CSE	Article	Q2
299	Mrityunjay Singh	A Lattice Based Authentication Protocol for Wireless Sensor Networks	Telecommunications systems	2023	2.50	CSE	Article	Q2

2023



LIST OF RESEARCH PUBLICATIONS

300	Lakshmi Sirisha Maganti	Efficacy of parallel microchannel configuration towards hot spot thermal management of 8 core microprocessors	journal of mech engg science	2023	2.00	MECH	Article	Q2
301	C. Durga Rao	Picolinic acid is a broad-spectrum inhibitor of enveloped virus entry that restricts SARS-CoV-2 and influenza A virus in vivo.	Cell Reports Medicine	2023	16.99	BIO	Article	Q1
302	Prakash jadhav	Asymmetric 4 point bend test method for interlaminar shear strength in ceramic matrix composites	material science forum	2023	0.50	MECH	Article	Q4
303	Prakash jadhav, aren pillai and others	Structural analysis of agricultural drone	AIP conference proceedings	2023	0.30	MECH	Article	Q4
304	Dr. Koyel chakravarty	Mathematical Modelling of Oncolytic Virotherapy with Mediated Immunity	International Journal of Ecology & Development	2023	0.49	MATHS	Article	0
305	Dr. Manab kundu	Uncertainty principles and applications of quaternion windowed linear canonical transform	optik	2023	2.90	MATHS	Article	Q2
306	Dr. Subhasree Dutta	Effect of hybrid nanoparticles on conjugate mixed convection of a viscoplastic fluid in a ventilated enclosure with wall mounted heated block	Alexandria Engineering Journal	2023	6.63	MATHS	Article	Q1
307	Vigneswaran V.S	Energy, exergy, economic and environmental evaluation of solar desalination system comprising different enhanced surface absorber plates	Desalination	2023	9.90	EVSE	Article	Q1
308	Mahesh Kumar Ravva	Metal-free synthesis of N-sulfonyl imines from benzyl alcohol derivatives and iminoiodinanes via mechanochemistry	Organic & Biomolecular Chemistry	2023	3.20	CHE	Article	Q1
309	Mahesh Kumar Ravva, Sabyasachi Chakraborty	Functionalized Graphene-Incorporated Cupric Oxide Charge-Transport Layer	Catalysts	2023	3.90	CHE/PHY	Article	Q2

2023



LIST OF RESEARCH PUBLICATIONS

		for Enhanced Photoelectrochemical Performance and Hydrogen Evolution						
310	Ravi Kumar,Gangi Reddy Salla	3D incoherent imaging using an ensemble of sparse self-rotating beams	Optics Express	2023	3.80	PHY	Article	Q1
311	Laxminarayana Patro	Li-ion Transport Studies of NASICON-type LiZr ₂ (PO ₄) ₃ Solid Electrolyte Crystallizing in Rhombohedral Structure at Room Temperature	Surfaces and Interfaces	2023	6.20	PHY	Article	Q1
312	Ramanjaneya Reddy,Tousif Khan Nizam,Aswini Patakamoori	An Efficient Soft-Switched LED Driver for Street Lighting Applications with Input Regulation	IEEE Journal of Emerging and Selected Topics in Power Electronics	2023	5.50	EEE	Article	Q1
313	Siddhant Dash	Ecological and health risk assessment associated with translocation of heavy metals in Lycopersicum esculentum from farmland soil treated with different composts	Journal of Environmental Management	2023	8.70	CIVIL	Article	Q1
314	Ashu Abdul	Discriminant Transform Analysis for Synovial Sarcoma Detection and classification using Deep Convolutional Neural Networks	Computer Communications	2023	6.00	CSE	Article	Q1
315	Manisha Kumari	Effect of Initial Rating and Reaffirmed Rating Announcements on Stock Return - An Event Study Approach	International Journal of Business and Economics	2023	0.00	MANAGEMENT	Article	0
316	Ranjit Thapa	Advanced electrocatalysts for NRR and HER: Experimental and computational design and development	Catalysis Today	2023	5.30	PHY	Article	Q1
317	Rangabhashiyam Selvasembian,	An overview on cellulose-supported photocatalytic materials for the efficient removal of toxic dyes	Industrial Crops and Products	2023	5.90	EVSE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

318	Rangabhashiyam Selvasembian,	Pharmaceuticals in wastewater and their photocatalytic degradation using nano-enabled photocatalysts	Journal of Water Process Engineering	2023	7.00	EVSE	Article	Q1
319	V.S. Vigneswaran	Enhancement of passive solar still yield through impregnating water jackets on side walls–A comprehensive study	Solar Energy	2023	6.70	EVSE	Article	Q1
320	Kamatham Narayanaswamy	Investigation of Charge Transport Properties in a 2D Dion-Jacobson Halide Perovskite Based on Terphenyl Dications	ACS Materials Letters	2023	11.40	CHE	Article	Q1
321	Dhamodharan M, Sunaina K	Cyberbullying: A Disturbed Psyche and Digital Abuse in 21st Century	Analyzing New Forms of Social Disorders in Modern Virtual Environments	2023	0.00	PSY	Book Chapter	0
322	Pavan Mohan Neelamraju	EVALUATION OF MULTIVARIATE DATA ACQUISITION OF NETWORK EMBEDDING SCHEME FOR HEALTHCARE APPLICATIONS	Journal of Theoretical and Applied Information Technology	2023	0.19	ECE	Article	Q4
323	Debajyoti Kundu, Deblina Dutta	Chemistry of CO ₂ -philic materials in enzyme-based hybrid interfacial systems: Implications, strategies and applications	Fuel Processing Technology	2023	7.50	EVSE	Article	Q1
324	Gangi Reddy Salla	Intensity correlations in perturbed optical vortices: Diagnosis of the topological charge	Waves in Random and Complex Media	2023	5.20	PHY	Article	Q1
325	Harish Puppala	Challenges and opportunities in the production of sustainable hydrogen from lignocellulosic biomass using microwave-assisted pyrolysis: A review	International Journal of Hydrogen Energy	2023	7.20	CIVIL	Article	Q1
326	V M Manikandan, Naveen Kumar Mahamkali	Synergistic Integration of Skeletal Kinematic Features for Vision-Based Fall Detection	Sensors	2023	3.90	CSE	Article	Q2
327	S. Sumalatha	An Efficient Ensemble-based Machine Learning for Breast Cancer Detection	Biomedical signal processing and control	2023	5.10	CSE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS



328	Pankaj Bhalla	Quantum kinetic theory of nonlinear thermal current	Physical Review B	2023	3.70	PHY	Article	Q1
329	Nimai Mishra	Decoration of boron nanoparticles on a graphene sheet for ammonia production from nitrate	Nanoscale	2023	8.30	CHE	Article	Q1
330	Vineeth Thomas	Cracking the Code:How the Congress Scripted Its Victory in the 2023 Karnataka Assembly Elections	Economic and Political Weekly	2023	0.32	LIBERAL ARTS	Article	Q2
331	Tamoghna Ojha	Wireless Power Transfer with Unmanned Aerial Vehicles: State of the Art and Open Challenges	Pervasive and Mobile Computing	2023	3.84	CSE	Article	Q1
332	Balaji Babu	Photodynamic Anticancer and Antibacterial Activities of Sn(IV) N-Confused Meso-tetra(methylthiophenyl) porphyrin, Manifestations, and Implications	journal of Photochem 2023	2023	0.95	CHE	Article	Q3
333	Vimal Babu	Crisis management and social media platforms A review and future research agenda	Crisis management and social media platforms A review and future research agenda" in Title of book (ed) "Social Capital in the Age of Online Networking: Genesis, Manifestations, and Implications	2023	0.00	MANAGEMENT	Book Chapter	0
334	Esha Saha,Pradeep Rathore	E-procurement: An Emerging Tool for Pharmaceutical Supply Chain Management	Applications of Emerging Technologies and AI/ML Algorithms, ICDAPS 2022, part of the Book series - Asset Analytics, Springer, Singapore	2023	0.00	MANAGEMENT	Conference	0
335	Tousif Khan	Intelligent Identification and Classification of Diabetic Retinopathy using Fuzzy Inference System	Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization	2023	1.66	EEE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS



336	Pranab Mandal	Improved pyroelectric effect in PVDF/BaTiO ₃ composite flexible films mediated by enhanced β – PVDF phase formation	Journal of Polymer Research	2023	3.05	PHY	Article	Q1
337	Ranjit Thapa	Halide Tunability Leads to Enhanced Biomechanical Energy Harvesting in Lead-free Cs ₂ SnX ₆ -PVDF Composites	ACS Applied Materials and Interface	2023	10.38	PHY	Article	Q1
338	Pradyut Kumar Sanki	Design & Development of IOT-based Embedded system for continuous monitoring of Vital signs	1st International Conference on Low-Energy Digital Devices and Computing (ICLED 2023), Singapore	2023	NA	ECE	Conference	0
339	Pradyut Kumar Sanki	Innovative Web Application Revolutionizing Disease Detection: Empowering Users and Ensuring Accurate Diagnoses	1st International Conference on Low-Energy Digital Devices and Computing (ICLED 2023), Singapore.	2023	NA	ECE	Conference	0
340	Pradyut Kumar Sanki	Predicting and Categorizing Air Pressure System Failures in Scania Trucks using Machine Learning	1st International Conference on Low-Energy Digital Devices and Computing (ICLED 2023), Singapore.	2023	NA	ECE	Conference	0
341	Pradyut Kumar Sanki	Synergistic m_GDI based ALU Design Using CMOS & VTEAM Memristor Model for Low Power High Speed Applications	1st International Conference on Low-Energy Digital Devices and Computing (ICLED 2023), Singapore.	2023	NA	ECE	Conference	0
342	Pradyut Kumar Sanki	CNN-Based Low-Light Image Restoration	1st International Conference on Low-Energy Digital Devices and Computing (ICLED 2023), Singapore.	2023	NA	ECE	Conference	0
343	Pradyut Kumar Sanki, Swagata Samanta	An SoC System for Real-time Edge Detection	1st International Conference on Low-Energy Digital Devices and Computing (ICLED 2023), Singapore.	2023	NA	ECE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

344	Pradyut Kumar Sanki, Swagata Samanta	Leaky Integrate and Fire Neuron Model Latency Estimation Using FNS	1st International Conference on Low-Energy Digital Devices and Computing (ICLED 2023), Singapore.	2023	NA	ECE	Conference	0
345	Pradyut Kumar Sanki, Swagata Samanta	Realization of Vertical Single Slot SU-8 Waveguide Using Effective Index Based Matrix Method	1st International Conference on Low-Energy Digital Devices and Computing (ICLED 2023), Singapore	2023	NA	ECE	Conference	0
346	Divya Chaturvedi	Wideband Circularly Polarized Rectangular Dielectric Resonator Antenna Using Inverted U-shaped Ground Plane for Sub 6 GHz and Upper Mid-bands 5G Applications	PIERS 2023, Prague, Czech republic , 3rd-6th July 2023	2023	NA	ECE	Conference	0
347	Divya Chaturvedi	Novel SSPP Sensor System with Octagon-shaped Unit Cell for Liquid Analyte Dielectric Constant Detection	PIERS 2023, Prague, Czech republic , 3rd-6th July 2023.	2023	NA	ECE	Conference	0
348	Anirban Ghosh	Double-Directional Channel Measurement and Path Loss Characteristics in an Indoor Corridor Scenario at 300 GHz	IEICE General Conference, AP – SG, July 12 – 14, 2023, Hokkaido, Japan.	2023	NA	ECE	Conference	0
349	Swagata Samnta	Development of a Simple Two-Step Lithography RTD Fabrication Process Using Air-Bridge Technology	Journal of Semiconductors, IOP Science	2023	0.97	ECE	Article	0
350	Dr. M. Krishna Siva Prasad	A Deep Learning Based Approach In The Prediction Of Tinnitus Disease For Large Population Data	IEEE conference	2023	NA	CSE	Conference	0
351	Dr. Ashok Kr. Pradhan	Protection of Split Light Trail(s) in WDM Mesh Networks against Multiple Link Failures.	IEEE Conference	2023	NA	CSE	Conference	0
352	Dr. Satish Anamalamudi	A novel approach to minimize the Black Hole attacks in Vehicular IoT Networks	ACM Conference	2023	NA	CSE	Conference	0
353	Dr. N. Satya Krishna	Fake News Detection Using Machine Learning	smartCom 2023 Conference	2023	NA	CSE	Conference	0

2023

LIST OF RESEARCH PUBLICATIONS

354	Dr. N. Satya Krishna	Face Recognition at Various Angles	smartCom 2023 Conference	2023	NA	CSE	Conference	0
355	Dr. V M Manikandan	A Sentiment Analysis-based Intelligent System for Summarizing the Feedback of Educational Institutions	IEEE Conference	2023	NA	CSE	Conference	0
356	Abinash Pujahari	Ordinal Consistency based Matrix Factorization model for Exploiting Side Information in Collaborative Filtering	Information Sciences	2023	8.23	CSE	Article	Q1
357	Mrityunjay Singh	Quantum safe secure and authorized communication protocol for internet of dornes	IEEE Transaction of Vehicular Technolog	2023	6.24	CSE	Article	Q1
358	Murali Krishna Enduri	Global Isolating Centrality Measure for Finding Vital Nodes in Complex Networks.	IEEE Conference	2023	NA	CSE	Conference	0
359	Jayaseeelan Murugaiyan	Identification of extracellular vesicles derived from plasma using MALDI-TOF MS: Influence of operating conditions.	Journal of Applied Biotechnology Reports.	2023	0.24	BIO	Article	Q4
360	Vimal Babu	Human resource analytics revisited: A systematic literature review of its adoption, global acceptance and implementation	Benchmarking: an International Journal	2023	5.90	MANAGEMENT	Article	Q1,abdc-B
361	Raviteja KVNS	Probabilistic Slope Stability Analysis of Coal Mine Waste Rock Dump	Geotechnical and Geological Engineering Journal	2023	2.00	CIVIL	Article	Q1
362	Ranjit Thapa	Dual Vacancy Passivation in CsPbCl ₃ Perovskite Nanocrystals: Implications on Optoelectronic Applications	ACS Applied Nano Materials	2023	6.14	PHY	Article	Q1
363	S.Sumalatha,Jayalakshmi T	Heart Disease Prediction using Novel Quine McCluskey Binary Classifier (QMBC)	IEEE Access	2023	3.40	CSE	Article	Q1
364	Harish Pupalla	Foreseeing the spatio-temporal offshore wind energy potential of India using a	Regional Studies in Marine Science, Elsevier	2023	2.10	CIVIL	Article	Q2

2023



LIST OF RESEARCH PUBLICATIONS

		differential weighted ensemble created using CMIP6 datasets						
365	Javid Ahmad Dar	Tree diversity, stand structure and species composition in three tropical dry deciduous forests of Madhya Pradesh, Central India	Proceedings of the International Academy of Ecology and Environmental Sciences	2023	3.959	EVSE	Article	Q2
366	Mahesh Kumar Ravva	Computational design of efficient near-infrared TADF emitters with hot-exciton characteristics	New Journal of Chemistry	2023	3.92	CHE	Article	Q2
367	Ranjit Thapa	Selective Electrocatalytic Oxidation of Nitrogen to Nitric Acid Using Manganese Phthalocyanine	ACS Applied Materials and Interface	2023	10.383	PHY	Article	Q1
368	Sanjay Kumar	Entropy-based adaptive color image watermarking technique in YCbCr color space	Multimedia Tools and Applications	2023	2.57	CSE	Article	Q1
369	Satish Anamalamudi, Murali Krishna Enduri, Anil Carie Ch	An AI fuzzy clustering-based routing protocol for vehicular image recognition in vehicular ad hoc IoT networks	Journal of Soft Computing	2023	3.7	CSE	Article	Q2
370	Siva Sankar Yellampalli	Analysis of uninterruptable power supply critical-to-quality factors	Journal of Power Electronics	2023	0.913	ECE	Article	Q3
371	Anil K Suresh, Jayaseelan	Sustainable exsclar monodispersed gold nanoparticles with enhanced dispersion stabilities and biocompatibility for theragnostics	ACS-Applied Nano Materials	2023	6.01	BIO	Article	Q1
372	Rangabhashiyam S	Bi-rich Bi ₂ O ₃ Br ₂ -based photocatalysts for energy conversion and environmental remediation: A review	Coordination Chemistry Reviews	2023	24.83	EVSE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

373	Soumyajyoti Biswas	Inequality of avalanche sizes in models of fracture	Physical Review E	2023	2.70	PHY	Article	Q1
374	Karthik Rajendran	Advanced approaches for resource recovery from wastewater and activated sludge: A review	Bioresource Technology	2023	11.88	EVSE	Article	Q1
375	Laxminarayana Patro	Magnetic properties of Mn/Co substituted nano and bulk Ni-Zn ferrites: A comparative study	Materials Chemistry and Physics	2023	4.77	PHY	Article	Q1
376	Ghanshyam Kumar Pandey	Bifurcation and Agricultural Development in Jharkhand	Economic and Political Weekly	2023	0.00	ECO	Article	Q2
377	Soni Wadhwa	Love as Enlightenment and Enlightenment as Love: Reading Feminist Hermeneutics of Reconstruction in Vanessa R Sasson's Yasodhara and the Buddha	Feminist Theology	2023	0.00	LITERATURE AND LANGUAGES	Article	Q2
378	Soni Wadhwa	Climate Change and the Challenges to Notions of Being and Time	IUP Journal of English Studies	2023	0.00	LITERATURE AND LANGUAGES	Article	Q2
379	Sambit Kumar Mishra	Blockchain-Based Medical Report Management and Distribution System	6G Enabled Fog Computing in IoT - Applications and Opportunities	2023	0.00	CSE	Book Chapter	0
380	Ramesh Vaddi, Siva Sankar	A Negative Capacitance FET based Energy Efficient 6T SRAM Computing-in-Memory (CiM) Cell Design for Deep Neural Networks	Elsevier Microelectronics	2023	1.99	ECE	Article	Q2
381	Javid Ahmad Dar	Mountains as climate change refugia in the tropical dry forests of Central India	Diversity and Distributions	2023	5.72	EVSE	Article	Q1
382	B. Lokeshgupta	Optimal DG Planning incorporating Energy Management for an Economical and Resilient Smart Distribution System	IEEE Transactions on Industry Applications	2023	4.07	EEE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

383	Vimal Babu	Blockchain Fragmented Clusters for Advancing HR Saliency: The Case of India	India's Technology-led Development – Managing Transitions to a Digital Future	2023	0.00	MANAGEMENT	Book Chapter	0
384	Javid Ahmad Dar	Dynamics of soil CO ₂ efflux in three tropical dry deciduous forests of Central Indian landscape	Carbon Management	2023	3.95	EVSE	Article	Q2
385	Satheesh Ellipilli	Emergence of Small Interfering RNA-Based Gene Drugs for Various Diseases	ACS Omega	2023	4.13	CHE	Article	Q1
386	V. Veeravel	Role of Institutional Investors in reviving loss-making firms: Evidence from India	Managerial Finance	2023	1.30	MANAGEMENT	Article	Q3 (ABDC-B)
387	Sandra Roshni Monteiro	Adolescence Stress Scale: Development and Standardization	Journal of Indian Association for Child and Adolescent Mental Health	2023	1.46	PSY	Article	Q3
388	Ravi Kant Kumar	Study and Analysis of Visual Saliency Applications Using Graph Neural Networks"	IGI Global Publication	2023	0.00	CSE	Book Chapter	0
389	Ranjit Thapa	Origin of high stability, enhanced specific capacity and low Li diffusion energy in Boron doped Li ₃ V ₂ (PO ₄) ₃	Journal of Energy Storage	2023	8.90	PHY	Article	Q1
390	Apsareena Zulekha Shaik, Arnab Mitra (Corresponding Author)	How can we enhance data security in Digital Twin-enabled IoT networks- a proposal with ECAs toward prime out-degree finding of PageRank regular digraph in Blockchain	Blockchain and Digital Twin Enabled IoT Networks: Privacy and Security Perspectives. From CRC Press, Taylor & Francis.	2023	NA	CSE	Book Chapter	0
391	SK Vishnumolakala, VS Vallamkonda, CC Sobin,	In-class Student Emotion and Engagement Detection System (iSEEDS): An AI-based Approach for Responsive Teaching	IEEE Global Engineering Education Conference (EDUCON)	2023	NA	CSE	Conference	0
392	Mohit Kumar, Sahithi Priya	A Coupled System to Detect Pedestrians Under Various Intricate Scenarios for Design	International Journal of Computing and Digital Systems	2023	NA	CSE	Article	Q3

2023



LIST OF RESEARCH PUBLICATIONS

	Gurram, Praneeth Gadipudi, V. M. Manikandan	and Implementation of Reliable Autonomous Vehicles						
393	A. Ghosh	Vehicle to Vehicle Path Loss Modeling at Millimeter Wave Band for Crossing Cars	IEEE Antenna and Wireless Propagation Letters	2023	3.80	ECE	Article	Q1
394	D. Chaturvedi	SIW-backed multiplexing slot antenna for multiple wireless system integration	Electronic Letters	2023	1.40	ECE	Article	0
395	Arijit Datta	Investigation of a highly sensitive fiber-optic milk adulteration sensor by shining an airy beam,	AIP Conference Proceedings,	2023	0.00	ECE	Conference	0
396	Arijit Datta	Enhancing the sensitivity of a fiber-optic biosensor for the detection of oral cancerous cell	AIP Conference Proceedings	2023	0.00	ECE	Conference	0
397	K.A.Sunitha	Automated Eco-Friendly Sanitary Napkin Incinerator	National Conference MSMHESD,Chennai	2023	0.00	ECE	Conference	0
398	Sunil Chinnadurai, Anuj Deshpande	AL enabled Hyperspectral image-based Cholangiocarcinoma classification		2023	0.00	ECE	Conference	0
399	Ravi Kumar	Sys-tem Level Analysis of Computational Channel Characterization using Compressive Surfaces.	EucAP 2023	2023	0.00	ECE	Conference	0
400	Ravi Kumar	Effect of Magnitude and Phase of Millimeter- Wave Images on Classification Accuracy.	EucAP 2023	2023	0.00	ECE	Conference	0
401	Ravi Kumar	Super-resolution Reconstruction and Denoising of 3D Millimetre-wave Images using Complex- valued Convolutional Neural Network.	EucAP 2023	2023	0.00	ECE	Conference	0
402	Ram krishna M.	“Cuffless BP Measurement using Single Site Photoplethysmography”,	Ninth International conference on Bio	2023	0.00	ECE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

			Signals, Images and Instrumentation (IEEE), Chennai,					
403	Siva Sankar Yellampalli	"Design and Security Evaluation of Negative Capacitance FETs for Energy Efficient and DPA Attack Resilient PRESENT-80 Block Cipher Design at Scaled VDD",	27th International Conference on Advanced Computing and Communications (ADCOM 2022),	2023	0.00	ECE	Conference	0
404	Siva Sankar Yellampalli	"Design and Implementation of an 8-bit Approximate Wallace Tree Multiplier for Energy Efficient Deep Neural Networks",	27th International Conference on Advanced Computing and Communications (ADCOM 2022), IIIT Bangalore	2023	0.00	ECE	Conference	0
405	Monoj Kumar Singha	Numerical Simulation and Optimization of Lead Free CH ₃ NH ₃ SnI ₃ Perovskite Solar Cell with CuSbS ₂ as HTL Using SCAPS 1D	Results in Optics	2023	2.08	ECE	Article	Q3
406	Pradeep Rathore	Working capital and firm performance: role of COVID-19 disruption	International Journal of Productivity and Performance Management	2023	0.00	MANAGEMENT	Article	Q1,abdc-B
407	Satyam Verma	Contextualising Landscape Ecology in Wildlife and Forest Conservation in India: a Review	Current Landscape Ecology Reports	2023	0.00	EVSE	Article	Q4
408	Ainal Hoque Gazi	Hydrodynamic study on hilly region to understand the impact of high velocity variation on environmental pollution	Recycle 2023, 4th international conference	2023	0.00	CIVIL	Conference	0
409	B. Lokeshgupta and K. Ravivarma	A Multi Microgrid Energy Management with Peer-to-Peer Energy Trading Model	2023 IEEE IAS Global Conference on Emerging Technologies (GlobConET)	2023	0.00	EEE	Conference	0
410	Ramanjaneya Reddy U	Three-Leg Asymmetrical Voltage Resonant Converter for Multiple LED Load Applications with Independent Dimming Control	IEEE IAS Global Conference on Emerging Technologies	2023	0.00	EEE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

411	Sudhir Raj	Collision Avoidance of Mobile Robot using Successive Convexification	IEEE explore	2023	0.00	MECH	Conference	0
412	Vineeth Thomas	The Intersection of Culture and Politics: Understanding Women's Underrepresentation in Indian Democracy	Journal of Asian and African Studies	2023	0.99	LIBERAL ARTS	Article	Q2
413	Lalita Mohan Mohapatra	Integrated Reporting: A Conceptual Framework for Corporate Reporting practices in India	International Journal of Managerial and Financial Accounting	2023	1.28	MANAGEMENT	Article	Q3
414	Abinash Pujahari	Ordinal Consistency based Matrix Factorization model for Exploiting Side Information in Collaborative Filtering	Information Sciences (Elsevier)	2023	8.23	CSE	Article	Q1
415	Mannathan	Convenient Synthesis of Salicylanilide Sulfonates from 1,2,3-Benzotriazin-4(3H)-ones and Organosulfonic Acids via Denitrogenative Cross-Coupling	ACS Omega	2023	4.13	CHE	Article	Q1
416	Prakash Jadhav	Design Optimization of Composite Fan Blade in Aircraft Engine Subjected to Bird Strike Loading	Journal of Aerospace Engineering	2023	1.28	MECH	Article	Q2
417	Siddhanth Dash	Association of microplastics with heavy metals and antibiotic resistance bacteria/genes in natural ecosystems - A perspective through science mapping approach	Groundwater for Sustainable Development	2023	1.08	CIVIL	Article	Q1
418	Rangabhashiyam Selvasembian	An overview on ZnO-based sonophotocatalytic mitigation of aqueous phase pollutants	Chemosphere	2023	8.94	EVSE	Article	Q1
419	Rangabhashiyam Selvasembian	Enhanced adsorptive removal of hexavalent chromium in aqueous media using chitosan-modified biochar: Synthesis, sorption mechanism, and reusability	Environmental Research	2023	8.43	EVSE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

420	Rangabhashiyam Selvasembian	Environmental sustainability of toxic arsenic ions removal from wastewater using electrodeionization	Separation and Purification Technology	2023	9.14	EVSE	Article	Q1
421	A.Lakshmana Rao	A Thematic Study of Green Finance with Special Reference to Polluting Companies: A Review and Future Direction	Environmental Processes	2023	0.00	COMMERCE	Article	Q2
422	Vineeth Thomas	Mapping the research trends on political communication in Asia: A bibliometric analysis using R package and VOS	Asian Journal of Comparative Politics	2023	0.19	LIBERAL ARTS	Article	Q2
423	Karthik Rajendran	Pretreatment technologies for lignocellulosic biomass refineries	Advances in Lignocellulosic Biofuel Production Systems	2023	0.00	EVSE	Book Chapter	0
424	Ravi Kumar	Collision in a phase-only asymmetric cryptosystem based on interference and phase-truncated Fourier transforms	Optical and Quantum Electronics	2023	2.79	PHY	Article	Q2
425	Dhamodharan M, Aehsan Ahmad Dar	Multidisciplinary Challenges in Green Smart Cities Implementation	Green Blockchain Technology for Sustainable Smart Cities	2023	0.00	PSY	Book Chapter	0
426	Vineeth Thomas	Proactive transparency in governance: A comparative study of digitalisation of the Right to Information Act in central and state governments in India	Asian Journal of Comparative Politics	2023	0.00	LIBERAL ARTS	Article	Q2
427	Karthik Rajendran	Poly(3-hydroxybutyrate) production from industrial hemp waste pretreated with a chemical-free hydrothermal process	Bioresource Technology	2023	11.80	EVSE	Article	Q1
428	Jatindra Kumar Dash	A Novel Model to Predict the Effects of Enhanced Students' Computer Interaction on Their Health in COVID-19 Pandemics	New Generation Computing	2023	1.18	CSE	Article	Q3
429	Balaji Babu	Sn(IV)-porphyrinoids for photodynamic anticancer and antimicrobial chemotherapy	Dalton Transactions	2023	4.57	CHE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

430	Balaji Babu	The Photodynamic Anticancer and Antibacterial Activity Properties of a Series of meso-Tetraarylchlorin Dyes and Their Sn(IV) Complexes	Molecules	2023	4.93	CHE	Article	Q1
431	Swagata Samanta	GaAs-Based Resonant Tunneling Diode: Device Aspects from Design, Manufacturing, Characterization and Applications	Journal of Semiconductors	2023	0.53	ECE	Article	Q2
432	D. Chaturvedi	Design and Analysis of Wearable Monopole Antenna Sensor	Photonics and Electromagnetics Research Symposium (PIERS)	2023	0.00	ECE	Conference	0
433	Divya Chaturvedi	Low Cross-polarization over Full Bandwidth of SIW Cavity-backed Slot Antenna	Photonics and Electromagnetics Research Symposium (PIERS)	2023	0.00	ECE	Conference	0
434	Divya Chaturvedi	Slotted Rectangular Microstrip Patch Antenna for Breast Cancer Detection	Photonics and Electromagnetics Research Symposium (PIERS)	2023	0.00	ECE	Conference	0
435	Sibendu Samanta	Smart Traffic Signals For Emergency Vehicle	IEEE conf. AISP23	2023	0.00	ECE	Conference	0
436	Sunil Chinnadurai	Timeline Driven Dynamic Vehicle Speed Control System for Next Generation Intelligent Transport System	IEEE Artificial Intelligence and Signal Processing (AISP)	2023	0.00	ECE	Conference	0
437	Sunil Chinnadurai	Implementing Perovskite Solar Cells using GPVDM	IEEE,AISP	2023	0.00	ECE	Conference	0
438	Divya Chaturvedi	Miniaturized Cavity-Backed SIW based Antenna	PCEMS	2023	0.00	ECE	Conference	0
439	K.A.Sunitha	Line follower Robot for Medical Applications	MEMS and Biosensing Technology-ICIMBT	2023	0.00	ECE	Conference	0
440	K.A.Sunitha	Design and Development of Sun Tracking Solar Panel for Power Generation	MEMS and Biosensing Technology-ICIMBT	2023	0.00	ECE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

441	K.A.Sunitha	An Instrument Development to Real Time Monitoring Screen the Urine Levels for BedRidden Subjects	MEMS and Biosensing Technology-ICIMBT	2023	0.00	ECE	Conference	0
442	K.A.Sunitha	Security System for Locomotives: A Potent secured control to access the vehicle	MEMS and Biosensing Technology-ICIMBT	2023	0.00	ECE	Conference	0
443	Anirban Ghosh	THz Channel Sounding and Modeling Techniques: An Overview	IEEE Access	2023	3.37	ECE	Article	Q1
444	Anirban Ghosh	Validation of 300 GHz Channel Sounder Through Indoor Multipath Measurements	IEICE Communication Express	2023	1.40	ECE	Article	Q1
445	Radha Guha	A Secure Mechanism for Prevention of Vishing Attack in Banking System	IEEE International Conference on Networking and Communication	2023	0.00	CSE	Conference	0
446	Sriramulu Bojjagani	A Secure Mechanism for Prevention of Vishing Attack in Banking System	IEEE International Conference on Networking and Communication	2023	0.00	CSE	Conference	0
447	V. M. Manikandan	An Interactive Puzzle Pattern-based CAPTCHA Scheme for Security	International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies	2023	0.00	CSE	Conference	0
448	Hemantha Kumar Kalluri	Credit Card Fraud Detection Using Machine Learning Techniques	PCEMS 2023, VNIT Nagpur, IEEE	2023	0.00	CSE	Conference	0
449	Murali Krishna Enduri, and Satish Anamalamudi	A Comparison of Neural Networks and Machine Learning Methods for Prediction of Heart Disease	In 2023 3rd International Conference on Intelligent Communication and Computational Techniques (ICCT)	2023	0.00	CSE	Conference	0
450	V. Dinesh Reddy	Sentiment Analysis for Real-Time Micro Blogs using Twitter Data	in Proceedings of the 2nd International Conference for Innovation in Technology, IEEE	2023	0.00	CSE	Conference	0
451	Rajiv Senapati	A Generalized Grayscale Image Processing Framework for Retinal Fundus Images	IEEE CONIT 2023	2023	0.00	CSE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

452	Manjula Raja	increasing Source Privacy and Network Lifetime without Affecting Latency: a Strategic Random Walk for WSNs	he 8th International Conference on Computer and Communication Systems will be held in Guangzhou, China	2023	0.00	CSE	Conference	0
453	Tapas Kumar Mishra	Content-Based Image Retrieval using Encoder based RGB and Texture Feature Fusion	International Journal of Advanced Computer Science and Applications	2023	0.00	CSE	Article	Q3
454	Tapas Kumar Mishra	Content-Based Image Retrieval using Adaptive CIE Color Feature Fusion	Revue d'Intelligence Artificielle	2023	0.00	CSE	Article	Q3
455	Koduru Hajarathiah, and Murali Krishna Enduri	Empirical Analysis of Income Prediction Using Deep Learning Techniques	IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCECS)	2023	0.00	CSE	Conference	0
456	V. Dinesh Reddy	Classification of Autism Spectrum Disorder based on Brain Image Data using Deep Neural Networks	11th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2023)	2023	0.00	CSE	Conference	0
457	V. Dinesh Reddy	A Discrete Cosine Transform based Intelligent Image Steganography Scheme Using Quantum Substitution Box	Quantum Information Processing	2023	0.00	CSE	Article	Q2
458	Rajiv Senapati	Novel Distributed Architecture for Frequent Pattern Mining using Spark Framework	IEEE CONIT 2023, INDIA	2023	0.00	CSE	Conference	0
459	Rajiv Senapati,	Image Stitching using RANSAC and Bayesian Refinement	IEEE CONIT 2023, INDIA.	2023	0.00	CSE	Conference	0
460	Rajiv Senapati,K. V. N. S.Raviteja	Machine learning modelling of tensile force in anchored geomembrane liners	Geosynthetics International	2023	4.56	CSE	Article	Q1
461	Tapas Kumar Mishra	Adaptive Congestion Control Mechanism to Enhance TCP Performance in Cooperative IoV	IEEE Access	2023	0.00	CSE	Article	Q1

2023



LIST OF RESEARCH PUBLICATIONS

462	Tapas Kumar Mishra	A Novel Approach for Diabetic Retinopathy Screening Using Asymmetric Deep Learning Features	Big Data and Cognitive Computing	2023	0.00	CSE	Article	Q2
463	T. Jaya Lakshmi	Link Prediction in Complex networks: An Empirical Review", 11th International Conference on Frontiers of Intelligent Computing: Theory and Applications	Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, United Kingdom (FICTA 2023)	2023	0.00	CSE	Conference	0
464	T. Jaya Lakshmi	Classifying Human Activities using Machine Learning and Deep Learning Techniques	11th International Conference on Frontiers of Intelligent Computing: Theory and Applications, Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, United Kingdom (FICTA 2023)	2023	0.00	CSE	Conference	0
465	T. Jaya Lakshmi	A study on Influence Maximization in complex networks	11th International Conference on Frontiers of Intelligent Computing: Theory and Applications, Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, United Kingdom	2023	0.00	CSE	Conference	0
466	T. Jaya Lakshmi	Empirical evaluation of Amazon fine food reviews using Text Mining	8th International Conference on Convergence of Technology (I2CT). (IEEE)	2023	0.00	CSE	Conference	0
467	Rajiv Senapati	Hybrid Clustering-based Fast Support Vector Machine Model for Heart Disease Prediction	In Intelligent Systems: Proceedings of ICMIB 2023. Singapore: Springer Nature Singapore, 2023	2023	0.00	CSE	Book Chapter	0
468	Hemantha Kumar Kalluri	A Survey on Homomorphic Encryption for Biometrics Template Security Based on Machine Learning Models	EEE International Students' Conference on Electrical,	2023	0.00	CSE	Conference	0

2023



LIST OF RESEARCH PUBLICATIONS

			Electronics and Computer Science, MNIT Bhopal, Feb-2023					
469	V. M. Manikandan	Digital Image Watermarking and Its Applications: A Detailed Review	IEEE International Students' Conference on Electrical, Electronics and Computer Science, Bhopal, Feb-2023	2023	0.00	CSE	Conference	0
470	V. M. Manikandan	A Random-Key Based Second-Level Encryption for Reversible Data Hiding in Encrypted Images	National Conference on Communications (NCC), IIT Guwahati, Feb-2023	2023	0.00	CSE	Conference	0
471	Sumalatha Saleti	A Comparative Analysis of the Evolution of DNA Sequencing Techniques along with the Accuracy Prediction of a Sample DNA Sequence Dataset using Machine Learning	2nd International Conference on the Paradigm shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS) 2023 at VNIT Nagpur	2023	0.00	CSE	Conference	0
472	Prakash Jadhav, gruhalakshmi	Ply level strain measurement in composite using digital image correlation	Material today proceedings	2023	1.00	MECH	Article	Q4
473	Manjesh, Debashish, Gruhalakshmi	A Comprehensive Review on "Pyrolysis" for Energy Recovery	Bioenergy research	2023	3.80	MECH	Article	Q2
474	Harish Puppala	Unmanned aerial vehicles for planning rooftop rainwater harvesting systems: a case study from Gurgaon, India	Water Supply, IWA	2023	1.76	CIVIL	Article	Q3
475	Nishat Sharma	Soil-Structure Interaction Induced Modification on the Natural Period of Reinforced Concrete Buildings	Lecture notes in Civil Engineering	2023	0.00	CIVIL	Book Chapter	0

2023

LIST OF RESEARCH PUBLICATIONS

476	Nishat Sharma	Nonlinear Analysis of Coupled Building-Foundation System Subjected to Lateral Loading Condition	Lecture notes in Civil Engineering	2023	0.00	CIVIL	Book Chapter	0
477	Nishat Sharma	Effect of Soil Material Uncertainty on Seismic Response of Medium-Rise RC Frames Considering Soil-Structure Interaction	Lecture notes in Civil Engineering	2023	0.00	CIVIL	Book Chapter	0
478	Harish Puppala	E-Leadership Is Un (usual): Multi-Criteria Analysis of Critical Success Factors for the Transition from Leadership to E-Leadership	Sustainability	2023	3.25	CIVIL	Article	Q1
479	Writoban Basu Ball, Lavanya Vadupu	Methylglyoxal-mediated Gpd1 activation restores the mitochondrial defects in a yeast model of mitochondrial DNA depletion syndrome	Biochim Biophys Acta Gen Subj.	2023	4.12	BIO	Article	Q1
480	Anil Suresh	A Practical Guide to Scripting Scientific Manuscripts	SSS	2023	0.00	BIO	BOOK	0
481	C Durga Rao	Detecting Tomato Leaf Curl New Delhi Virus Causing Ridge Gourd Yellow Mosaic Disease, and Other Begomoviruses by Antibody-Based Methods	Plants (Basel)	2023	4.60	BIO	Article	Q1
482	Pankaj Pathak	Cathodic Catalysts for Microbial Electrolysis Cell to Produce Biohydrogen	ACS Symposium Series	2023	0.00	EVSE	Book chapter	Q1
483	Pankaj Pathak	Transition Metal-Based Electrocatalysts: Applications in Green Hydrogen Production and Storage	ACS Symposium	2023	0.00	EVSE	BOOK	Q1

2023



LIST OF RESEARCH PUBLICATIONS

484	Dr. Fouzul Atik	Detour Distance Laplacian Matrices for Signed Networks	Discrete Mathematics, Algorithms and Applications	2023	0.88	MATHS	Article	Q3
485	Dr. Jayasree Subramanian	Strengthening Equity and Social Justice Research in Mathematics Education Through Critical Interrogations of White Supremacy and Settler Colonialism		2023	0.00	MATHS	Book Chapter	0
486	Dr. Jayasree Subramanian	A Janus-faced highbrow mathematics instead of a hydra-headed Bahujanmathematics: mathematics education under the new National education policy of India.		2023	0.00	MATHS	Book Chapter	0
487	Jatindra Kumar Dash	Deep Learning Models in Finance: Past, Present and Future	Machine Learning Approaches in Financial Analytics	2023	0.00	CSE	Book Chapter	0
488	Jayasree Subramanian	Being inclusive o Reinforcing o social Stereotypes-The case of Kerela state board MathematicsText books	2th Mathematics Education and Society Conference	2023	0.00	MATHS	Conference	0
489	B. Lokeshgupta	Coordinated Smart Home Energy Sharing with a Centralized Neighbourhood Energy Management	Sustainable Cities and Society	2023	10.69	EEE	Article	Q1
490	D Narayana Rao	Characteristics of Elevated Aerosol Layer over the Indian East Coast Kattankulathur (12.82 N; 80.04 E): A Northeast Monsoon Region	Science of the Total Environment	2023	10.75	PHY	Article	Q1
491	Pardha Saradhi Maram	Modified Ceramic Coated Polyethylene Separator – A Strategy for Using Lithium Metal as Anode with Superior Electrochemical Performance and Thermal Stability	Journal of Energy Storage	2023	8.90	CHE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

492	Gangi Reddy Salla & Ravi kumar	Multiuser non-linear optical crypto system based on polar decomposition and fractional vortex speckle pattern	Photonics	2023	2.54	PHY	Article	Q1
493	Ravi Kumar	Hybrid plaintext attack for cryptosystem based on interference and phase-retrieval technique	Applied Optics	2023	1.91	PHY	Article	Q2
494	Soumyajyoti Biswas	Social dynamics through kinetic exchange: The BChS model	Frontiers in Physics	2023	3.71	PHY	Article	Q2
495	Rajapandiyan Panneerselvam	Intelligent convolution neural network-assisted SERS to realize highly accurate identification of six pathogenic Vibrio	Chemical Communications	2023	6.00	CHE	Article	Q1
496	Prakash Jadav	Bird strike analysis on hybrid composite fan blade: Blade level validation	Journal Aerospace	2023	2.66	MECH	Article	Q1
497	Priyanka S, Tousif Khan N	An overview of different models of AI in the context of using solar energy	IEEE Transactions on Pattern Analysis and Machine Intelligence journal	2023	24.31	CSE/EEE	Article	Q1
498	Karthik Rajendran	Economic perspectives and policy insights on carbon capture, storage, and utilization for sustainable development	Science of the Total Environment	2023	10.75	EVSE	Article	Q1
499	Tousif Khan, Ramanjaneya Reddy, Arghya Chakravarty, Priyanka	Adaptive Neural Network Control of DC-DC Power Converter	Expert Systems and Applications Journal	2023	8.67	EEE/CSE	Article	Q1
500	Ravi Kumar	Enhanced Design of Multiplexed Coded Masks for Fresnel Incoherent Correlation Holography	Nature portfolio journal	2023	5.00	PHY	Article	Q1
501	Deblina Dutta	A critical review and future perspective of plastic waste recycling	Science of the Total Environment	2023	10.75	EVSE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

502	Karthik Rajendran	Life cycle assessment of comparing different nutrient recovery systems from municipal wastewater: A path towards self-reliance and sustainability	Journal of Cleaner Production	2023	11.07	EVSE	Article	Q1
503	Sudhakar Tummala	An explainable classification method based on complex scaling in histopathology images for lung and colon cancer	Diagnostics	2023	4.00	ECE	Article	Q2
504	mahalakshmi Mudliar, Manisha Kumari	CORPORATE SOCIAL RESPONSIBILITY AND FINANCIAL PERFORMANCE NEXUS: EMPIRICAL EVIDENCE FROM GHANA	Corporate Social Responsibility and Environmental Management	2023	8.46	MANAGEMENT	Article	Q1
505	Ramanjaneya Reddy	Enhanced Predictive Torque Control of Open Winding Permanent Magnet Synchronous Motor Drive with Common Mode Voltage Elimination	Control Applications in Modern Power Systems	2023	0.00	EEE	Book Chapter	0
506	Tousif Khan N, Ramanjaneya Reddy	Comparative Analysis of Resonant Converter Topologies for Multiple Load Light Emitting Diode Applications	Recent Advances in Power Electronics and Drives	2023	0.00	EEE	Book Chapter	0
507	Tousif Khan Nizami	Coronavirus Herd Immunity Optimization-Based Control of DC-DC Boost Converter	Soft Computing: Theories and Applications	2023	0.00	EEE	Book Chapter	0
508	Tousif Khan N, Ramanjaneya Reddy	Real-Time Implementation of Laguerre Neural Network-Based Adaptive Control of DC-DC Converter	Soft Computing: Theories and Applications	2023	0.00	EEE	Book Chapter	0
509	Manjunatha Thondamal	PHLPP1 regulates PINK1-parkin signalling and life span	Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease	2023	6.63	BIO	Article	Q1
510	Mahesh Kumar Ravva	Designing Donor-Acceptor-Donor (D-A-D) Type Molecules for Efficient Hole-Transporting in Perovskite Solar Cells – A DFT Study	chemistry select	2023	2.30	CHE	Article	Q2

2023



LIST OF RESEARCH PUBLICATIONS

511	Mahesh Kumar Ravva	Application of Newly Designed Y-Series Nonfullerene Acceptors for High-Efficient Organic Solar Cells	Advanced Theory and Simulations	2023	4.10	CHE	Article	Q1
512	Ghanshyam Kumar Pandey	Market Integration of Chickpea Crop: An Evidence of India	Journal of Agribusiness in Developing and Emerging Economies	2023	3.50	ECO	Article	Q2
513	Sonalu Mondal	Linear spring model to analyse the effect of interfacial imperfection on the propagation and attenuation of Love-type waves in viscoelastic-FGPM bedded structure	Mathematics and Mechanics of Solids" (Sage)	2023	2.72	MATHS	Article	Q1
514	Satyam Verma	Characterization of Spatial–Temporal Distribution of Forest Fire in Chhattisgarh, India, Using MODIS-Based Active Fire Data	Sustainability	2023	3.89	EVSE	Article	Q1
515	Gangireddy Salla	Correlation between coherent and scattered optical vortices: Diagnosis of topological charge	Applied Physics B	2023	2.10	PHY	Article	Q2
516	Soumyajyoti Biswas	Sandpile Universality in Social Inequality: Gini and Kolkata Measures	Entropy	2023	2.74	PHY	Article	Q2
517	Ranjit Thapa	Oxide Foam as an Efficient Catalyst for Fixation of CO ₂ into Oxazolidinone: An Experimental and Theoretical Approach	ACS Applied Materials & Interfaces	2023	10.38	PHY	Article	Q1
518	Amit Chakraborty	Fat b-Jet Analyses Using Old and New Clustering Algorithms in New Higgs Boson Searches at the LHC	European Physical Journal C	2023	4.59	PHY	Article	Q1
519	Nimai Mishra	Charge Transfer in Amine-Free CsPbBr ₃ Perovskite Nanocrystals and Organic Hole-Acceptor Hybrid Structures	ACS Applied Nano Materials	2023	6.14	CHE	Article	Q1
520	Nimai Mishra	Surface engineering of CsPbBr ₃ perovskite nanocrystals: hole transfer dynamics and enhanced photocurrent response using a novel organic molecule	Materials Advances	2023	3.18	CHE	Article	Q2

2023



LIST OF RESEARCH PUBLICATIONS

521	Karthik Rajendran	A comprehensive review on thermochemical, and biochemical conversion methods of lignocellulosic biomass into valuable end product	Fuel	2023	8.03	EVSE	Article	Q1
522	Harish Puppala	Pavement monitoring using unmanned aerial vehicles: an overview	ASCE (American Society of Civil Engineers)	2023	2.27	CIVIL	Article	Q1
523	Harish Puppala	Urban Scan: A novel system to Assess the urban landscapes in the regions deprived of street-view services	MethodsX	2023	4.65	CIVIL	Article	Q2
524	Nitul Dutta	Primary User Supported Routing Protocol for Cognitive Radio Ad Hoc Networks in Search of Higher Throughput	International Journal of Communication Systems' (Wiley)	2023	1.88	CSE	Article	Q2
525	Ranjit Thapa	Integrating Ultra-small Pd NPs into Core-shell Imidazolate Frameworks for Photocatalytic Hydrogen and MeOH Production	Inorganic Chemistry	2023	5.43	PHY	Article	Q1
526	Surfaraj Halkarni, Tapan Kumar Hota	Simulation of Time Injection Strategy for a Finite Miscible Slice in Porous Media	Fluid Mechanics and Fluid Power (Vol. 2). FMFP 2021	2023	0.00	MECH/MAT HS	Conference	0
527	Ranjit Thapa	Ultrathin 2D NiCo-LDH nanosheet decorated NH ₂ -UiO-66 MOF-nanocomposite with exceptional chemical Stability for electrocatalytic water splitting	Journal of Materials Chemistry A	2023	14.51	PHY	Article	Q1
528	Deblina Dutta	Landfill: An eclectic review on structure, reactions and remediation approach	Waste Management	2023	8.81	EVSE	Article	Q1
529	Karthikeyan	Simultaneous Seismic Data Denoising and Reconstruction with Attention based Wavelet-Convolutional Neural Network	IEEE Transactions on Geosciences and Remote Sensing	2023	8.10	ECE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

530	Karthik Rajendran	Production of biochar from tropical fruit tree residues and ecofriendly applications – A review	Bioresource Technology	2023	11.88	EVSE	Article	Q1
531	Pranab Mandal	Probing oxide ion conductivity in Na _{0.5} Bi _{0.5} TiO ₃ -BiFeO ₃ -BaTiO ₃ -based ferroelectric materials	ACS Applied Energy Materials	2023	6.95	PHY	Article	Q1
532	Manikandan V M	A Prediction Error based Reversible Data Hiding Scheme in Encrypted Image using Block Marking and Cover Image Pre-Processing	Multimedia Tools and Applications, Springer journal	2023	2.52	CSE	Article	Q1
533	Ranjit Thapa	Elucidating the oxygen reduction reaction kinetics on defect engineered nanocarbon electrocatalyst: In-terplay between N-dopant and defect sites	Journal of Materials Chemistry A	2023	14.51	PHY	Article	Q1
534	Karthik Rajendran,Vignes waran	How does techno-economic analysis and lifecycle assessment help in commercializing the biohydrogen supply chain?	Fuel	2023	8.03	EVSE	Article	Q1
535	Ramanjaneya Reddy,Tousif Khan	Development of Enhanced Direct Torque Control for Surface-mounted Permanent Magnet Synchronous Motor Drive Operation	IET Power Electronics	2023	2.11	EEE	Article	Q1
536	Pankaj Bhalla	Quantum kinetic theory of nonlinear optical currents: Finite Fermi surface and Fermi sea contributions	Physical Review B	2023	3.90	PHY	Article	Q1
537	Laxminarayana Patro	Mechanochemical Synthesis and Fluoride Ion Conductivity Studies in SrSnF ₄ Polymorphs	The Journal of Physical Chemistry C	2023	4.17	PHY	Article	Q1
538	Ranjit Thapa	Design and fabrication of cobaltx nickel(1-x) telluride microfibers on nickel foam for battery type supercapacitor and OER study	Materials Today Chemistry	2023	7.61	PHY	Article	Q1
539	Bharadwaj Sivakumaran,RM Harindranath	Public Service Announcements: A Literature Review and Way Forward	International Journal of Consumer Studies	2023	7.10	MANAGEMENT	Article	Q1,abdc-A

2023

LIST OF RESEARCH PUBLICATIONS

540	Kshira Sagar Sahoo	A Distributed Fuzzy Optimal Decision Making Strategy for Task Offloading in Edge Computing Environment	IEEE Access	2023	3.50	CSE	Article	Q1
541	Baswanth Oruganti	Molecular dynamics and absolute binding free energy studies of piperine derivatives as potential inhibitors of SARS-CoV-2 main protease	Journal of Biomolecular Structure and Dynamics	2023	5.23	CHE	Article	Q1
542	Mahesh Kumar Ravva	Modulating the strength of acceptor in D-A-D type hole transport materials for efficient inverted perovskite solar cells	Chemical Physics	2023	4.30	CHE	Article	Q1
543	Mahesh Kumar Ravva	Improving the TADF in Corannulene-Based Emitters via Tuning the Strength of Donor and Acceptor Groups	Advanced Theory and Simulations	2023	4.10	CHE	Article	Q1
544	Saswat Ram,Banee Bandana Das	Eternal-Thing 2.0: Analog-Trojan Resilient Ripple-Less Solar Harvesting System for Sustainable IoT	Journal on Emerging Technologies in Computing Systems	2023	2.00	ECE/CSE	Article	Q2
545	Ranjit Thapa	Optimizing CO ₂ RR selectivity on Single Atom Catalysts using Graphical Construction and Identification of Energy Descriptor	CARBON	2023	11.30	PHY	Article	Q1
546	Ranjit Thapa	Design and Fabrication of Nickel Lanthanum Telluride Microfibers for Redox Additive Electrolyte-Based Flexible Solid-State Hybrid Supercapacitor	Journal of Energy Storage	2023	8.90	PHY	Article	Q1
547	Laxmi Narayana Patro	Ordered LiFe ₅ O ₈ Thin Films Prepared By Pulsed Laser Deposition as an Anode Material for All-Solid Thin Film Batteries	Electrochimica Acta	2023	7.33	PHY	Article	Q1
548	Deep Raj	Critical assessment of approach towards estimation of microplastics in environmental matrices	Land and Degradation Journal	2023	4.37	EVSE	Article	Q1

2023



LIST OF RESEARCH PUBLICATIONS

549	Manikandan V. M.	A Multi-Directional Pixel-Swapping Approach (MPSA) for Entropy-Retained Reversible Data Hiding in Encrypted Images	Entropy	2023	2.72	CSE	Article	Q2
550	Ranjit Thapa	Strengthening the Metal Centre of Co-N4 Active Sites in 1D-2D Heterostructure for Nitrate and Nitrogen Reduction Reaction to Ammonia	ACS Sustainable Chemistry & Engineering	2023	9.22	PHY	Article	Q1
551	Gangi Reddy Salla	Effect of Vacuum Heat Treatment on Structural, Optical, and Magneto-electric Properties in Bi-doped Y3Fe5O12 Ceramics	Journal of Magnetism and Magnetic Materials	2023	3.09	PHY	Article	Q2
552	Siva Sankar Y	COVID-19 diagnosis: A comprehensive review of pre-trained deep learning models based on feature extraction algorithm	Results in Engineering	2023	4.06	ECE	Article	Q1
553	Priyanka Singh	Swarm-based hybrid optimization algorithms: an exhaustive analysis and its applications to electricity load and price forecasting	soft computing	2023	3.73	CSE	Article	Q1
554	Manish Kumar Pandey	Koecher--Maass series have infinitely many critical zeros	Bull. London Math. Soc	2023	2.39	MATHS	Article	Q1
555	Mohd Danish Kirmani, Md. Asadul Haque	Food-Leftover Sharing Intentions of Consumers: An Extension of the Theory of Planned Behaviour	Journal of Retailing and Consumer Services	2023	10.97	MANAGEMENT	Article	Q1
556	T. Ragunathan	HRFP: Highly Relevant Frequent Patterns-Based Prefetching and Caching Algorithms for Distributed File Systems	Electronics 2023	2023	2.60	CSE	Article	Q2
557	Ranjana Mehta	Unboundedness of the first and last Betti Numbers of the Numerical Semigroups generated by Concatenation	Indian Journal of Pure and Applied Mathematics	2023	0.57	MATHS	Article	Q4
558	Surfarazhussain S. Halkarni, Tapan Kumar Hota	Effect of Sinusoidal Injection Velocity on Miscible Viscous Fingering of a Finite Sample: Nonlinear Simulation	Heliyon	2023	3.77	MATHS/MECH	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

559	Ranjit Thapa	Identification of Borophosphene/graphene heterostructure as anode for Li-ion Batteries and its origin	Journal of Power Sources	2023	9.74	PHY	Article	Q1
560	Nimai Mishra	Synthesis, characterization and photophysical behaviour of some Tb(III) complexes based on 6,8-dichlorochromone-3-carboxaldehyde as primary ligand	Results in Chemistry	2023	2.21	CHE	Article	Q3
561	KVNS Ravi Teja,Rajiv Senapathi	Machine Learning Modeling of Tensile Force in Anchored Geomembrane Liners	Geosynthetics International Journal	2023	4.56	CSE/CIVIL	Article	Q1
562	Manab Kundu	Pseudo-differential operator in quaternion space	Mathematical Methods in the Applied Sciences	2023	3.00	MATHS	Article	Q1
563	Sabyasachi Chakraborty	Surface Ligand Influences the Cu Nanoclusters as a Dual Sensing Optical Probe for Localized pH Environment and Fluoride Ion	Nanomaterials	2023	5.71	CHE	Article	Q1
564	Bharadhwaj Sivakumaran	MIND THE GAME YOU SET FOR BETTER WEBSITE PATRONAGE	European Journal of Marketing	2023	5.20	MANAGEMENT	Article	Q1
565	Harindranath	Role of supply chain resilience capacity in Chinese auto business relationships during disruption	International Journal of Enterprise Network Management	2023	5.75	MANAGEMENT	Article	Q3
566	Pankaj Pathak	Circular Transformation in Plastic Management Lessen the Carbon Footprint of the Plastic Industry	'Materials Today Sustainability	2023	7.24	EVSE	Article	Q1
567	Syed Tajmullah	Stability Characterisation and Application of Mutually Injection Locked Gain Switched Optical Frequency Combs for Dual Comb Spectroscopy	'Journal of Lightwave Technology	2023	4.43	ECE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS

568	Ranjit Thapa	Pd Encapsulated Core-shell ZIF-8/ZIF 67 for Efficient Oxygen Evolution Reaction	Electrochimica Acta	2023	7.33	PHY	Article	Q1
569	Ravi Kumar	3D single shot lensless incoherent optical imaging using coded phase aperture system with point response of scattered airy beams	Scientific Reports	2023	4.99	PHY	Article	Q1
570	Aehsan Ahmad Dar ,Idris Hassan Bhat	The association between social support and resilience of young adults of Kashmir exposed to stressful events of armed conflicts and with their background variables	Social Work in Mental Health	2023	0.35	LIBERAL ARTS/PSY	Article	Q2
571	Sobin C.C	A Comprehensive Study on Smart Agriculture Applications in India	Wireless Personal Communications	2023	2.01	CSE	Article	Q2
572	Nimai Mishra	Exploring the Role of Short Chain Acids as Surface Ligands in Photoinduced Charge Transfer Dynamics from CsPbBr ₃ Perovskite Nanocrystals	Journal of Physical Chemistry Letters	2023	6.88	CHE	Article	Q1
573	Karthik Rajendran	Perspective on the strategies and challenges in hydrogen production from food and food processing wastes	Fuel	2023	8.03	EVSE	Article	Q1
574	Ravi Kumar	Optical Cryptosystems Based on Spiral Phase Modulation. In: Chen, H., Liu, Z. (eds) Recent Advanced in Image Security Technologies	Studies in Computational Intelligence	2023	0.00	PHY	Book Chapter	Q4
575	Lalita Mohan Mohapatra	Exploring the disclosure quality of Integrated Reporting in India	International Journal of Managerial and Financial Accounting	2023	1.48	MANAGEMENT	Article	Q3
576	Manisha Kumari	Bond Rating and Bond Market of Indian Corporates-Issues and recommendations	International Journal of Business Excellence	2023	1.20	MANAGEMENT	Article	Q3
577	Ranjit Thapa	Photon driven nitrogen fixation via Ni-incorporated ZrO ₂ /Bi ₂ O ₃ : p-n heterojunction, Stesho Crystallin	Catalysis Today	2023	6.76	PHY	Article	Q1

2023



LIST OF RESEARCH PUBLICATIONS

578	sirisha lakshmi	Evaluation of Heat Flux Distribution on Flat Plate Compound Parabolic Concentrator with Different Geometric Indices	Slolar energy engineering	2023	2.40	MECH	Article	Q2
579	Rajapandiyan	Removal of hemolysis interference in serum Raman spectroscopy by multivariate curve resolution analysis for accurate classification of oral cancers	Sensors & Diagnostics	2023	4.35	CHE	Article	Q1
580	Sudhakar Tummala, Anil K Suresh	Few-Shot Learning using Explainable Siamese Twin Network for the Automated Classification of Blood Cells	Medical & Biological Engineering & Computing	2023	3.08	ECE/BIO	Article	Q2
581	Sudhakar Tummala	EfficientNetV2 based Ensemble Model for Quality Estimation of Diabetic Retinopathy Images from DeepDRiD	Diagnostics	2023	4.00	ECE	Article	Q2
582	Murali Krishna Enduri, Satish Anamalamudi	Algorithms for Finding Influential People with Mixed Centrality in Social Networks	Arabian Journal for Science and Engineering	2023	2.26	CSE	Article	Q1
583	Firdoshi Parveen	Bounds for functionals defined on a certain class of meromorphic functions	Bulletin of the Australian Mathematical Society	2023	0.58	MATHS	Article	Q2
584	Ashok Kumar Pradhan	Fortified-Chain 2.0: Intelligent Blockchain for Decentralized Smart Healthcare System	IEEE Journal of Internet of Things	2023	10.23	CSE	Article	Q1
585	Harish Pupalla	A two-step hybrid multi-criteria approach to analyze the significance of parameters affecting Microwave-Assisted Pyrolysis	Process Safety and Environmental Protection	2023	7.93	CIVIL	Article	Q1
586	Pankaj Pathak	Challenges, Regulations, and Case Studies on Sustainable Management of Industrial Waste	Mineral	2023	2.99	EVSE	Article	Q2
587	Tapas Kumar Mishra, Kshira sagar sahu	Adaptive Congestion Control Mechanism to Enhance TCP Performance in Cooperative IoV	IEEE Access	2023	3.47	CSE	Article	Q1

2023

LIST OF RESEARCH PUBLICATIONS



588	Shantanu Ghosh	Classification of Autism Spectrum Disorder based on Brain Image Data using Deep Neural Networks	In Proceedings of the IEEE-FICTA-2023 Conference	2023	0.00	LITERATURE AND LANGUAGES	Conference	0
589	Monoj Kumar Singha	Machine learning assisted hepta band THz metamaterial absorber for biomedical applications	Scientific Reports	2023	4.99	ECE	Article	Q1
590	Karthik Rajendran,V S Vigneswaran	Economic and exergy analysis of passive solar still incorporated with an additional condensing surface material beneath the top glazing to enhance the productivity	Environmental Science and Pollution Research	2023	5.19	EVSE	Article	Q1
591	Ainal Hoque Gazi	An analytical approach of finding out the equilibrium scour depth at cylindrical pier when the current is making an angle with the wave	Canadian Journal of Civil Engineering	2023	1.77	CIVIL	Article	Q3
592	Lokeshgupta B and Ramanjaneya Reddy U	Smart Home Energy Management with a Coordinated Neighbourhood Energy Sharing	Lecture Notes in Electrical Engineering	2023	0.00	EEE	Book Chapter	0
593	Ramanjaneya Reddy Udumula, Tarkeshwar Mahto and Lokeshgupta Bhamidi	Dynamic Operation of Islanded DC microgrid with Fuel Cell using Hybrid Energy Storage Systems	Lecture Notes in Electrical Engineering	2023	0.00	EEE	Book Chapter	0
594	Satyavir Singh	Data Driven Scheme for MEMS Model	Lecture Notes in Networks and Systems	2023	0.00	EEE	Book Chapter	0
595	Satyavir Singh	Photovoltaic System for Maximum Power Point Tracking using Hybrid Firefly and Perturbation & Observation Algorithm	International Journal of Power Electronics and Drive Systems (IJPEDS)	2023	0.34	EEE	Article	Q3

2023



LIST OF RESEARCH PUBLICATIONS

596	Somesh Vinayak Tewari,Ramanjan eya Reddy Udumula and Tarkeshwar Mahto	Non-Isolated Bi-directional DC-DC Converter based on Modified Switched Capacitor for obtaining high Voltage Transfer Ratio	Lecture Notes in Electrical Engineering	2023	0.00	EEE	Book Chapter	0
597	Kshira Sagar Sahoo	Analysis of Breath-Holding Capacity for Improving Efficiency of COPD Severity- Detection Using Deep Transfer Learning	Applied Science MDPI	2023	2.83	CSE	Article	Q2
598	Priyanka S	Integration of statistical parameters based color-texture descriptors for radar remote sensing image retrieval applications	International Journal of Computational Science and Engineering	2023	0.00	CSE	Article	Q3
599	Enduri, Murali Krishna,Satish Anamalamudi	Comparative study on sentimental analysis using machine learning techniques	Research Journal of Engineering and Technology	2023	0.00	CSE	Article	0
600	Chinmaya Kumar Swain	Predictive VM Consolidation for Latency Sensitive Tasks in Heterogeneous Cloud,	4th International Conference on Advances in Distributed Computing and Machine Learning	2023	0.00	CSE	Conference	0
601	Sobin C C	Developing Smart Price Prediction System using Machine Learning and Deep Learning Approaches: A Study based on Onion	4th International Conference on Machine Learning, Image Processing, Network Security and Data Sciences	2023	0.00	CSE	Conference	0
602	Sambit Kumar Mishra	CS-based Energy-Efficient Service Allocation in Cloud	4th International Conference on Advances in Distributed Computing and Machine Learning (ICADCML)	2023	0.00	CSE	Conference	0
603	Sambit Kumar Mishra	Automatic Detection of Oral Squamous Cell Carcinoma from Histopathological Images of Oral Mucosa Using Deep Convolutional Neural Network	International Journal of Environmental Research and Public Health, MDPI	2023	4.61	CSE	Article	Q1

2023



LIST OF RESEARCH PUBLICATIONS

604	Mahesh Kumar Ravva	Theoretical Insights into the Optical and Excited State Properties of Donor–Phenyl Bridge–Acceptor Containing Through-Space Charge Transfer Molecules	J. Phys. Chem. A	2023	2.94	CHE	Article	Q2
605	Mahesh Kumar Ravva	n-Type Organic Electrochemical Transistors with High Transconductance and Stability	Chem. Materials	2023	10.50	CHE	Article	Q1
606	Sunil Chinnadurai	IoT Based Smart Continual Healthcare Monitoring System	IEEE 6th Conference on Information and Communication Technology (CICT)	2023	0.00	ECE	Conference	0
607	Y Sivasankar	Approximate Single Precision Floating Point Adder for Low Power Applications	Journal of Theoretical and Applied Information Technology	2023	0.00	ECE	Article	Q4
608	Y Sivasankar	Design of Common Gate Current-Reuse Noise Cancellation UWB Low Noise Amplifier in 90nm CMOS	International Journal of Electronics, Communication and Measurement	2023	0.00	ECE	Article	0
609	Prakash Jadhav	Mode II- delamination modeling in multi-directional laminates using cohesive zone methodology under static and dynamic loading	Materials Today Proceedings	2023	1.70	MECH	Article	0
610	PankajPathak	Mesoporous LaFeO ₃ perovskite as an efficient and cost-effective oxygen reduction reaction catalyst in an air cathode microbial fuel cell	International Journal of Hydrogen Energy	2023	7.13	EVSE	Article	Q1
611	Salla Gangi Reddy	Improvement of energy storage density and energy harvesting performance of amphoteric Pr ion-modified lead-free Ba _{0.85} Ca _{0.15} Ti _{0.9} Zr _{0.1} O ₃ (BCZT) ceramics	Journal of Alloys and Compounds	2023	6.37	PHY	Article	Q1
612	Lalita Mohan Mohapatra, A. V. S. Kamesh	Challenges and Path Ahead for Artificial Intelligence-aided Human Resource Management	The Adoption and Effect of Artificial Intelligence on Human Resources Management, Part A	2023	0.00	MANAGEMENT	Book Chapter	0

2023



LIST OF RESEARCH PUBLICATIONS

613	Shaheen Kelachan Thodika	Iranian Islamic Revolution and the Transformation of Islamist Discourse in Southern India: 1979-1992	Religions	2023	0.79	HISTORY	Article	Q1
614	Lakshmi Sirisha Maganti	Improvement of uniformity of irradiance on truncated compound parabolic concentrator by introducing the homogenizer ratio	Renewable Energy	2023	8.63	MECH	Article	Q1
615	Jatis Kumar Dash	Recent Development in Novel Lithium-Sulfur Nanofiber Separators: A Review of the Latest Fabrication and Performance Optimizations	Membranes	2023	4.56	PHY	Article	Q1
616	Ramesh Vaddi,Y Sivasankar	Negative Capacitance FET based Energy Efficient and DPA Attack Resilient Ultra-Light Weight Block Cipher Design	Microelectronics	2023	1.99	ECE	Article	Q2
617	Randhir Kumar	Distributed AI and Blockchain for 6G-assisted Terrestrial and Non-Terrestrial Networks: Challenge and Future Directions	IEEE Network Magazine	2023	10.29	CSE	Article	Q1
618	Dinesh Reddy Vemula,Muzakkir Hussain Md	Nighttime Object Detection: A Night-Patrolling Mechanism Using Object DetHandbook of Research on AI Methods and Applications in Computer Engineering	Handbook of Research on AI Methods and Applications in Computer Engineering	2023	0.00	CSE	Book Chapter	0
619	Dinesh Reddy Vemula	Text to Image Synthesis Using Multistage Stack GAN	Handbook of Research on AI Methods and Applications in Computer Engineering	2023	0.00	CSE	Book Chapter	0
620	Manisha Kumari	Informal Workers in India as an Economic Shock Absorber in the Era of COVID-19: A Study on Policies and Practices	Journal- Human Systems Management	2023	0.00	MANAGEMENT	Article	Q2
621	manikandan.v	An Ensemble Learning Approach for Reversible Data Hiding in Encrypted Images with Fibonacci Transform	Electronics Journal	2023	2.60	CSE	Article	Q2
622	Mahesh Kumar Morampudi	Cancelable Scheme for Bimodal Biometric Authentication	Journal of Electronic Imaging	2023	1.00	CSE	Article	Q3

2023



LIST OF RESEARCH PUBLICATIONS

623	Pardha Saradhi Maram	Critical Perspective on the Industry-centred Engineering of Single-Crystalline Ni-rich Cathodes	ChemNanoMat	2023	3.82	CHE	Article	Q1
624	Satish Anamalamudi	Integration of E-health and Internet of Things	Elsevier: Blockchain Technology Solutions for the Security of IoT-Based Healthcare Systems	2023	0.00	CSE	Book Chapter	0
625	Syed Tajammul Ahmad	Reconfigurable Photonic Integrated Transmitter for Metro-Access Networks	IEEE Journal of Optical Communication and Networks (JOCN)	2023	4.50	ECE	Article	Q1
626	Soni Wadhwa	Kochi: provincialising postcolonial metro-cosmopolitan spatialities	Cultural Geographies	2023	1.78	LITERATURE AND LANGUAGES	Article	Q1
627	Manjula Raja	Source Location Privacy in Wireless Sensor Networks: What is the Right Choice of Privacy Metric?	Springer's Wireless Networks journal	2023	2.70	CSE	Article	Q2
628	Karthikeyan	A denoising framework for 3D and 2D imaging techniques based on photon detection statistics	Nature Scientific Reports	2023	4.90	ECE	Article	0
629	Vimal Babu	Negotiation for Entrepreneurship: Achieving a Successful Outcome	Anthem Press, U.K	2023	0.00	MANAGEMENT	BOOK	0
630	Ravi Prakash Siddavatam and Dr Dharma Theja Thondepu	Risk Management in Trading with Wheat commodity Futures in India	Neuroquantology	2023	0.45	MANAGEMENT	Article	Q3
631	Manzoor Hassan Malik, Suvvari Anandaro,Aehsan Ahmad Dar	An Appraisal of India's Comparative Advantage in Information Technology (IT) Exports	Journal of Chinese Economic and Foreign Trade Studies	2023	1.56	ECO/PSY	Article	Q2

2023



LIST OF RESEARCH PUBLICATIONS

632	Deep raj	An approach to quantify heavy metals and their source apportionment in coal mine soil: a study through PMF model	Environmental Monitoring and Assessment Journal	2023	3.30	EVSE	Article	Q2
633	L N Patro	Enhanced Ionic Conductivity of Na-excess Na ₃ Zr ₂ Si ₂ PO ₁₂ Solid Electrolyte by Tuning its Elemental Composition and Sintering Temperature	Journal of Materials Science	2023	4.68	PHY	Article	Q1
634	Sandeep Kumar Verma	Composition and commutator of pseudo-differential operators in the framework of zero-order Mehler–Fock transform domain	The Journal of Analysis	2023	0.80	MATHS	Article	Q3
635	Morampudi Mahesh Kumar	Privacy-Preserving Bimodal Authentication System using Fan-Vercauteren Scheme	Optik Journal	2023	2.44	CSE	Article	Q2
636	Rajesh Ranjan	A Study on Employee Job Satisfaction and its Variables	European Management Journal	2023	1.00	MANAGEMENT	Article	Q3
637	Mohd Danish Kirmani	Demystifying the green purchasing behaviour of young consumers: Moderating role of green skepticism	Global Scholars of Marketing Science	2023	0.00	MANAGEMENT	Article	0
638	Rajapandiyan	Surface-Enhanced Raman Spectroscopic Probing in Digital Microfluidics through a Microspray Hole	Analytical Chemistry	2023	8.00	CHE	Article	Q1