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S.No	Name of the Faculty	Month & Year	URL/ DOI	Title of Publication	Name of Publisher	Journal/ Conference/ Book Chapter	Volume & Issue	Indexing
1	Dr. P. Ramanathan	Jul-23	http://dx.doi.org/10.2528/PIERC23050702	Koch Snowflake Fractal Embedded Octagonal Patch Antenna with Hexagonal Split Ring for Ultra-Wide Band and 5G Applications	Progress In Electromagnetics Research C	Journal	135	Scopus
2	Dr. Nehru Kandasamy	Aug-23	https://doi.org/10.1109/ICCES57224.2023.10192668	Performance Analysis of Different SRAM Cells and Proposed 9T SRAM Cell	IEEE 8th International Conference on Communication and Electronics Systems	Conference		Scopus
3	Dr. Nehru Kandasamy	Oct-23	http://dx.doi.org/10.1201/9781003366249-12	Face Mask Detection and Temperature Scanning for the COVID-19 Surveillance System Based on Deep Learning Models	Taylor & Francis eBooks	Book Chapter	9.781E+12	Scopus
4	Dr. Nehru Kandasamy	Oct-23	http://dx.doi.org/10.1201/9781003366249-2	Multiple Lung Disease Prediction Using X-Ray Images Based on Deep Convolutional Neural Networks	Taylor & Francis eBooks	Book Chapter	9.781E+12	Scopus
5	Dr. K. Sathesh	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10544371	Integrated Smart Trolley System: Arduino Nano-Based RFID Billing and Weight Sensor Augmentation	IEEE 10th International Conference on Communication and Signal Processing (ICCSP)	Conference		Scopus
6	Dr. K. Sathesh	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10543921	Clearer HeartBeats: Enhancement of cardiac sounds using Adaptive Filtering and Wavelet Decomposition	IEEE 10th International Conference on Communication and Signal Processing (ICCSP)	Conference		Scopus



7	Dr. Rakesh Nath Tiwari	Aug-23	https://doi.org/10.1109/TAP.2023.3301952	Design and Validation of Loop-Based Ultraminiature Low-Profile Ultrawideband Capsule Antenna Inside Wistar Rat	IEEE Transactions on Antennas and Propagation	Journal	71 & 10	SCIE & WoS
8	Dr. Rakesh Nath Tiwari	Oct-23	https://doi.org/10.1109/JIOT.2023.3321903	Dual-Band MIMO Antenna Data Telemetry for Dual-Chamber Leadless Cardiac Pacing on Internet of Things Environment	IEEE Internet of Things Journal	Journal	11 & 5	SCIE & WoS
9	Dr. Rakesh Nath Tiwari	Nov-23	https://doi.org/10.1016/j.aeue.2023.154919	Compact dual band 4-port MIMO antenna for 5G-sub 6 GHz/N38/N41/N90 and WLAN frequency bands	AEU - International Journal of Electronics and Communications	Journal	171	SCIE & WoS
10	Dr. Rakesh Nath Tiwari	Jan-24	https://doi.org/10.1109/CIEES58940.2023.10378779	High Isolation Dual Port MIMO Antenna for Vehicle-to-Vehicle Communication	IEEE 4th International Conference on Communications, Information, Electronic and Energy Systems (CIEES)	Conference		Scopus
11	Dr. Rakesh Nath Tiwari	Feb-24	https://doi.org/10.1007/978-981-99-8646-0_39	Triple-Band Gap Coupled 4 × 4 MIMO Antenna in mm-Wave for High Data Rate and IoT Applications	Lecture Notes in Electrical Engineering (Springer)	Book Chapter	1116	Scopus
12	Dr. Rakesh Nath Tiwari	May-24	http://dx.doi.org/10.1088/1402-4896/ad43c9	Circumferential slots based decoupled wideband MIMO antenna for 5G and sub-6 GHz applications	IOP Science - Physica Scripta	Journal	99 & 6	SCIE & WoS
13	Dr. Rakesh Nath Tiwari	Jun-24	https://doi.org/10.1109/ACCESS.2024.3412712	Design of Dual-Band 4-Port Flexible MIMO Antenna for mm-Wave	IEEE Access	Journal	12	SCIE & WoS



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				Technologies and Wearable Electronics				
14	Dr. Rakesh Nath Tiwari	Jun-24	https://doi.org/10.1038/s41598-024-65023-2	A flexible dual-band 4 × 4 MIMO antenna for 5G mm-wave 28/38 GHz wearable applications	Scientific Reports (Springer)	Journal	14	SCIE & WoS
15	Dr. Rakesh Nath Tiwari	Jun-24	https://doi.org/10.1038/s41598-024-64932-6	On body and off body communication using a compact wideband and high gain wearable textile antenna	Scientific Reports (Springer)	Journal	14	SCIE & WoS
16	Dr. Vivek Jain	Nov-23	https://doi.org/10.1109/ICCCNT56998.2023.10306796	Performance Analysis of Side Lobe Reduction for Smart Antenna Systems Using Genetic Algorithms (GA)	IEEE 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)	Conference		Scopus
17	Dr. R. Ravindraiah	Mar-24	https://doi.org/10.4108/eetpht.10.5454	Clinical Application of Neural Network for Cancer Detection Application	EAI Endorsed Transactions on Pervasive Health and Technology	Journal	10	Scopus
18	Dr. G. Reddy Hemantha	Jul-23	https://ijisae.org/index.php/IJISAE/article/view/3288	An Optimized Resource Allocation Model for Cloud Computing Using Ant Colony-based Auction Method	International Journal of Intelligent Systems and Applications in Engineering	Journal	11 & 3	Scopus
19	Dr. G. Reddy Hemantha	Feb-24	https://doi.org/10.1109/ICACIC59454.2023.10435300	Switch Controlled State Skipping Based Memory Efficient Test Pattern Generator for BIST Application	IEEE Second International Conference on Advances in Computational Intelligence and Communication (ICACIC)	Conference		Scopus
20	Dr. Janmoni Borah	Apr-24	https://radioelektronika.org/article/view/S0735272723100047	Network coverage with KUD-based SC deployment for next-	Radioelectronics and Communications Systems	Journal	xx	Scopus



				generation 5G cellular network				
21	Dr. Janmoni Borah	Apr-24	https://doi.org/10.3103/S0735272723020048	Transmit Antenna Selection for Achieving Energy Efficiency in Massive MIMO Based 5G Cellular Network	Radioelectronics and Communications Systems	Journal	66	Scopus
22	Dr. C. Kumar	Feb-24	https://doi.org/10.3233/JIFS-233917	Enhancing efficiency in electrical distribution systems: A novel approach via modified genetic optimization algorithm for loss reduction in optimal network distribution	Journal of Intelligent & Fuzzy Systems	Journal	46 & 2	SCIE & WoS
23	Dr. C. Kumar	Jun-24	https://doi.org/10.1109/ICONSTEM60960.2024.10568684	Low Power Design Techniques for IoT Devices	IEEE Ninth International Conference on Science Technology Engineering and Mathematics (ICONSTEM)	Conference		Scopus
24	Dr. Smriti Baruah	Oct-23	https://doi.org/10.1016/j.solener.2023.111939	Optimization of all inorganic perovskite solar cell with dual active layers for beyond 29% efficiency	Solar Energy (Science Direct)	Journal	263	SCIE & WoS
25	Dr. Smriti Baruah	Feb-24	https://doi.org/10.1021/acsomega.3c08072	Hydrothermal Synthesis, Phase Analysis, and Magneto-Electronic Characterizations of Lead-Free Ferroelectric BM ₂ +(Zn, Ca, Mg)T–BFO System	ACS Omega	Journal	9 & 8	SCIE & WoS
26	Dr. Smriti Baruah	Mar-24	https://doi.org/10.1002/dac.5752	Analytical investigation of CdSe/CdS/ZnSe-	International Journal of Communication Systems	Journal	37 & 8	SCIE & WoS



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				based single-core double-shell nanotextured vertical nanopillar array antenna for broadband photodetection applications				
27	Dr. Devashish	Apr-24	https://doi.org/10.1109/SCEECS61402.2024.10482346	Novel Fuzzy PID Control Tuning for a Chemical Process Control System	IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)	Conference		Scopus
28	Dr. Nishant Sharan	Sep-23	https://doi.org/10.1109/InC457730.2023.10263041	Experimental Demonstration of Hybrid PLC-VLC System	IEEE International Conference on Contemporary Computing and Communications (InC4)	Conference		Scopus
29	Dr. Nishant Sharan	Oct-23	https://doi.org/10.1109/NMITCON58196.2023.10276120	A Hybrid Combination of OMA and NOMA for Integrated VLC-RF System	IEEE International Conference on Network, Multimedia and Information Technology (NMITCON)	Conference		Scopus
30	Dr. R. Kiran Kumar	Dec-23	https://doi.org/10.1016/j.measen.2023.100931	Biometric key generation and multi round AES crypto system for improved security	Measurement: Sensors (ScienceDirect)	Journal	30	Scopus
31	Dr. Mohit Kumar Singh	May-24	https://doi.org/10.1063/5.0200379	Simulation investigations of an efficient L-band bi-frequency MILO with ridged-disk-loaded interaction structure	Physics of Plasmas (AIP Publishing)	Journal	31	SCIE & WoS
32	Dr. E. Aravindraaj	Feb-24	http://dx.doi.org/10.2528/PIERC23110704	A Compact Sierpinski Gasket Fractal Antenna for S, C, X, and Ku Band Applications	Progress In Electromagnetics Research C	Journal	141	Scopus



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33	Dr. E. Aravindraj	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10543430	Design and Implementation of Multi-Band Honeycomb Fractal Antenna for 5G Applications	IEEE 10th International Conference on Communication and Signal Processing (ICCSP)	Conference			Scopus
34	Mrs. Gutti Nagaswetha	Feb-24	https://ijisae.org/index.php/IJISAE/article/view/4668	Creation of A Music Recommendation System using Facial Expression Recognition with MATLAB	International Journal of Intelligent Systems and Applications in Engineering	Journal	12 & 14		Scopus
35	Mr. G. Mahammed Rafi	Aug-23	https://doi.org/10.1109/ICCES57224.2023.10192805	Image Forgery Detection using Block Matching and K-Means Clustering Techniques	IEEE 8th International Conference on Communication and Electronics Systems (ICCES)	Conference			Scopus
36	Mr. G. Subbarao	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10544227	A Power-Aware Algorithm for Mobile Devices Focused on Batteries	10th International Conference on Communication and Signal Processing (ICCSP)	Conference			Scopus
37	Mr. T. Manivannan	Apr-24	https://ijsrst.com/home/issue/view/article.php?id=IJSRST241111104	Modified Dual Tree Complex Wavelet Transform Algorithm with SDV Method For Image Compression and Decompression	International Journal of Scientific Research in Science and Technology (IJSRST)	Journal	11 & 11		UGC
38	Mr. T. Manivannan	Feb-24	https://ijisae.org/index.php/IJISAE/article/view/4723	Underground Mine Terrain Obstacle Detection based on Multi-Robot System with Swarm Intelligence	International Journal of Intelligent Systems and Applications in Engineering	Journal	12 & 15		Scopus
39	Mr. V. S. Prashanth	Dec-23	https://doi.org/10.22452/mjcs.sp2023no1.2	Dynamic Key Generation and Distribution Comparison Using Machine Learning Integrated Node Authentication Routing Protocol For	Malaysian Journal of Computer Science	Journal			WoS & Scopus



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				Improving QoS In VANET					
40	Mr. V. S. Prashanth	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10543229	A Novel Approach to Cloud Load Balancing Using Advanced Migration Operator	IEEE 10th International Conference on Communication and Signal Processing (ICCSP)	Conference			Scopus
41	Mr. V. S. Prashanth	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10543679	Chaotic Technique for High Information Security based on Dual-Hiding Asynchronous-Logic AES Accelerator with High Resistance to Prevent Side-Channel Attacks	IEEE 10th International Conference on Communication and Signal Processing (ICCSP)	Conference			Scopus
42	Mr. Y. Pradeep Kumar	Jun-24	https://doi.org/10.1109/ICSSSES62373.2024.10561317	A Comprehensive Review on Enhancing Autonomous Transport with Federated Learning and Artificial Intelligence Integration	International Journal of Intelligent Systems and Applications in Engineering	Journal	12 & 3		Scopus
43	Mr. Y. Pradeep Kumar	Mar-24	https://ijisae.org/index.php/IJISAE/article/view/5522	Safeguarding Journeys: Raspberry pi's Intelligent Driver Monitoring	IEEE International Conference on Smart Systems for applications in Electrical Sciences (ICSSSES)	Conference			Scopus
44	Mrs. Kowsalya. P	Feb-24	https://ijisae.org/index.php/IJISAE/article/view/4720	Online Fraudulence Detection Based on Decision Support System in Digital Banking	International Journal of Intelligent Systems and Applications in Engineering	Journal	12 & 15		Scopus
45	Mr. Palachuru Prakash	Jun-24	https://doi.org/10.1109/ICSSSES62373.2024.10561272	A Comprehensive Liver Tumor Detection and Stages Classification Using Deep Learning and	IEEE International Conference on Smart Systems for applications in Electrical Sciences (ICSSSES)	Conference			Scopus



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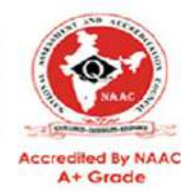
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				Image Processing Techniques				
46	Ms. T.Shanthi	Jul-23	https://ijisae.org/index.php/IJISAE/article/view/3135	A Novel approach Secure Routing in Wireless Sensor Networks for Safe Path Establishment of Private IoT Data Transmission	International Journal of Intelligent Systems and Applications in Engineering	Journal	11 & 9	Scopus
47	Ms. T.Shanthi	Mar-24	https://doi.org/10.1109/ICCEBS58601.2023.10448915	Raspberry Pi Pico Based Real Time Patient Health Monitoring System	Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)	Conference		Scopus
48	Mr. M. Kamesh	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10543878	Design and Compare Microstrip Patch Antenna for 5G Wireless Communication Systems Using K-Ka Band	IEEE 10th International Conference on Communication and Signal Processing (ICCSP)	Conference		Scopus
49	Mr. M. Kamesh	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10543487	Design a Quarter-wave monopole antenna specifically designed for Wireless internet applications at 2.4 GHz	IEEE 10th International Conference on Communication and Signal Processing (ICCSP)	Conference		Scopus
50	Mr. R. Arivarasu	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10543330	A (2X2)Microstrip Patch Antenna With Reduced Mutual Coupling Using CSRR	IEEE 10th International Conference on Communication and Signal Processing (ICCSP)	Conference		Scopus
51	Dr. Gourav Kumar Suman	Nov-23	https://doi.org/10.1109/JMMCT.2023.3334563	Enhanced Thermodynamic Modeling of Converter Transformer Influenced by DC Bias	IEEE Journal on Multiscale and Multiphysics Computational Techniques	Journal	9	Scopus
52	Dr. Gourav Kumar Suman	Jun-24	https://doi.org/10.1007/s00202-024-02512-7	A novel LF-TLBO-based optimisation	Electrical Engineering (Springer)	Journal	2024	Scopus



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				scheme for islanding detection in microgrids				
53	Mr. E.Sathiyarayanan	Feb-24	https://ijisae.org/index.php/IJISAE/article/view/4713	Revolutionizing Human-Robot Interaction (HRI): Multimodal Intelligent Robotic System for Responsive Collaboration	International Journal of Intelligent Systems and Applications in Engineering	Journal	12 & 15	Scopus
54	Mr. B. Karthick	Jun-24	https://doi.org/10.1109/ICCSP60870.2024.10544338	Deep Capsule Networks for Accurate Microaneurysm Detection and Classification in Retinal Images	IEEE 10th International Conference on Communication and Signal Processing (ICCSP)	Conference		Scopus
55	Dr. G.Naga Jyothi	Mar-24	https://www.infoagepub.com/products/Innovations-in-Computational-Intelligence-Big-Data-Analytics-and-Internet-of-Things	Innovations in Computational Intelligence, Big Data Analytics and Internet of Things	IAP INFORMATION AGE PUBLISHING	Book Chapter		Scopus
56	Mr. B. Subbarayudu	Mar-24	https://doi.org/10.52783/jes.1256	Secure and Efficient Wireless Sensor Network and Machine Learning - based Monitoring System for Student Physical and Mental Health		Journal	20 & 3	Scopus