

K.S.R. COLLEGE OF ENGINEERING, TIRUCHENGODE – 637 215 (Autonomous)

Department: Electrical and Electronics Engineering

Journal Publications

Academic year	Q1	Q2	Q3	Q4	Scopus/ WOS	Others	Total
2023-24	1	-	1	-	-	-	2
2022-23	-	2	6	-	4	10	22
2021-22	-	1	3	-	1	8	13
2020-21	2	4	6	-	-	1	13
2019-20	1	6	6	1	1	13	28
2018-19	1	2	5	-	3	9	20
2017-18	-	1	1	-	3	5	10
Total	5	16	28	1	12	46	108

Journal Publications Details

Sl. No	Title of the Paper	Name of the Author/s	Name of the Journal	Vol No, Issue No & pp	Year and Month of Publication	Category Q1/Q2/Q3/Q4	UGC Care list/Scopus/Web of Science/other
2023-24							
1.	Enhanced Perturb and Observe Control Algorithm for a Standalone Domestic Renewable Energy System	N Kanagaraj, Obaid Martha Aldosary, M Ramasamy, M Vijayakumar	Intelligent Automation & Soft Computing Impact factor 3.401	Vol 37, Issue 2 pp 2291-2306	July 2023	Q3	Web of Science
2.	Energy Management and Power Quality Improvement of Hybrid Renewable Energy Generation System Using Coordinated Control Scheme	N. Kanagaraj, M. Vijayakumar, M. Ramasamy and O. Aldosari,	IEEE Access Impact factor 3.9	vol. 11, pp. 93254-93267 doi: 10.1109/ACCESS.2023.3299035.	July 2023	Q1	Web of Science
2022-23							
1.	Radial Subset Clustering Feature-Based Deep Spectral Neural Classification for relational drug recommendation	S. Dinakaran, V. Ravi, P. Anitha	Neuro Quantology Impact Factor: 0.451	Vol. 20, No.9 pp. 873-883	2022	-	Web of Science
2.	Harmonics Extraction Scheme for Power Quality Improvement Using Chbmli-Dstatcom Module	R. Hemalatha and M. Ramasamy	Intelligent Automation & Soft Computing Impact Factor: 3.401	Vol.35, No.2 pp. 1505-1525	2022	Q3	Web of Science
3.	Review on Li-Ion Battery vs Nickel Metal Hydride Battery in EV	VijayakumarArun, R. Kannan, S. Ramesh, M. Vijayakumar, P. S. Raghavendran, M. Siva Ramkumar, P. Anbarasu, and VenkatesaPrabhuSundramurthy	Advances in Materials Science and Engineering Impact Factor: 2.098	Vol. 2022 pp.1- 7	2022	Q2	Web of Science

4.	Optimization of Cognitive Femtocell Network via Oppositional Beetle Swarm Optimization Algorithm	K. Rajesh Kumar, and M. Vijayakumar	Intelligent Automation & Soft Computing Impact Factor: 3.401	Vol.36, No.1, pp. 819-831	2022	Q3	Web of Science
5.	Fuzzy neural network Optimization approximate Multiplier using nonlinear Anisotropic image denoising	Dhanalakshmi Shanmugasundaram, and Dr. Gowri Shankar Chinnusamy	Neuro Quantology Impact Factor: 0.453	Vol.20, No.8, pp. 2477 - 2491	2022	-	Web of Science
6.	Harmonic Minimization in Grid Coupled Photovoltaic Structures Using Selective Harmonic Elimination Pulse-Width Modulation in Multiple Level Series Linked Nano-Scale Double Gate Hetero-Structure MOSFET Based H Type Bridge Inverters	Bharani Prakash, T; Sankar Ganesh, R.	Journal of Nanoelectronics and Optoelectronics Impact Factor: 1.069	Vol.17, No. 1, pp. 128-135(8)	2022	Q3	Web of Science
7.	Design of recustomize finite impulse response filter using truncation based scalable rounding approximate multiplier and error reduced carry prediction approximate adder for image processing application	S. Senthilkumar, . Samuthira Pandi, T. Sripriya and N. Pragadish	Concurrency and Computation: Practice and Experience Impact Factor: 1.835	Vol. 35, No. 8, pp.e7629	2023	Q3	Web of Science
8.	FPGA Based Integrated Control of Brushless DC Motor for Renewable Energy Storage System	Karthikeyan S. & Lakshmi K	Cybernetics and Systems Impact Factor: 2.423	Online Published	2023	Q3	Web of Science
9.	Analysis and Implementation of Switched Capacitor-based Multi-Level Inverter for Electric Vehicles Applications	Manivel, M., & K. Lakshmi	Elektronika Ir Elektrotehnika Impact Factor: 1.059	Vol.29, No. 1, pp.21-32	2023	-	Web of Science
10.	Optimization of a Renewable Energy Source-Based Virtual Power Plant for Electrical Energy Management in an Unbalanced Distribution Network	Kesavan, T and Lakshmi, K.	Sustainability Impact Factor: 3.889	Vol.14, No.18, pp. 11129	2022	Q2	Web of Science
11.	Energy Management And Harmonic Mitigation Of Hybrid Renewable Energy Microgrid Using Coordinated Control Of Multi-Agent System	Krishnan, L. N., Pudupalayam Sachithanandam, M., & Kaliappan, L. (2022,	International Journal of Industrial Engineering: Theory, Applications and Practice Impact Factor: 0.633	Vol. 29, No.6, pp. 893-913	2022	Q3	Web of Science

12.	An Efficient Modified Z Source Grid Tied Inverter System	R. Arulmurugan, P. Balakrishnan, N. Vengadachalam, V. SubhaSeethalakshmi and M. Vijayakumar	International Journal of Electrical and Electronics Research (IJEER)	Vol. 10, No.4, pp.1-4	2023	-	Scopus
13.	Automatic Yarn Breakage Identification Wrapping Machine By Using PLC	Mr.VijaykumarM, Chandru.S, Jevitha .G, Selakumar.B ,Gowrit.T	International Journal of Advances in Engineering and Management	Vol. 5, No. 3, pp. 1604-1607	2023	-	Google Scholar
14.	Programmable Logic Controller programming and wiring of pills vending machine	Mr.Dhivagar.S, Safrin.T , Thulasiraman.P, Divakar.V, Santhosh.M	International Journal of Advances in Engineering and Management	Vol. 5, No. 3, pp: 1157-1161	2023	-	Google Scholar
15.	Optimization of boiler operation and maintenance using IOT	Dr.Senthilkumar S, Ayyandurai P, Dineshwaran K, Gowtham V, Kavim J R	International Journal of Advances in Engineering and Management	Vol. 5, No. 3, pp: 1850-1855	2023	-	Google Scholar
16.	Intelligent Toll Charge Collection System with Safety Features using Arduino	M. Subramani, Kaarthikeyan S, Kabeena K J, Mohan R, Someshkannan V	International Journal of Innovative Research in Engineering	Vol. 4, No. 1, PP: 162-164	2023	-	Google Scholar
17.	Automatic Path Memorizing Forklift	Dr.Lakshmi K, Ranjithkumar R, Amol M, Sathishkumar. A, Kirubakaran M	International Journal of Advances in Engineering and Management	Vol. 5, No.4, pp: 636-641	2023	-	Google Scholar
18.	Pic Microcontroller Based Boiler Monitoring & Controlling System for Power Plant Industry	Dr.E.Vani, Subash G, Guna M, Nishanth S, Poovarasan M	International Journal of Advances in Engineering and Management	Vol. 5, No. 5, pp: 01-03	2023	-	Google Scholar
19.	A Multi Sensor Intelligent Device For Real Time Multi Phase Flow Controlling In Thermal Power Plant	Yamuna. K , Kishore. S, Hemnath.V, Naveen. A, Jeevanandham. S	International Journal of Advances in Engineering and Management	Vol. 5, No. 4, pp: 463-467	2023	-	Google Scholar

20.	Smart Greenhouse Control System with Plant Health Monitoring	B.Yuvarani, Hari Vignesh.S, Nalan.R, Sridhar.A, Surya Prakash.S	International Journal of Innovative Research in Engineering	Vol. 4, No. 2, pp. 324-326	2023	-	Google Scholar
21.	Facial Movement Based Robotic Arm Control Using Arduino and Python	Dr.S.Ramesh, Mohammed Al Fahad, Prem Prakash S, Kavinraj V, Deepa V	International Journal of Innovative Research in Engineering	Vol. 4, No. 1, pp: 151-154	January-February 2023	-	Google Scholar
22.	Programmable Logic Controller Based On Automatic Loom Machine	Vasanthi.A, Prasanth S, Dinesh Kumar P, Vijay Kumar B, Infant Jennifer R	International Journal of Advances in Engineering and Management	Vol. 5, No. 3, pp: 1640-1643	March 2023	-	Google Scholar
2021-22							
1.	Enhancement of wind energy harvesting scheme over wide wind velocity using induction generator and variable speed drive	Ramkumar M & Ramasamy M	Journal of the Chinese Institute of Engineers Impact Factor: 1.1	Vol. 45, No.4 pp. 293-303 DOI: 10.1080/02533839.2022.2053788	2022	Q3	Web of Science
2.	Design of System Level Architecture of Multi-Core with Array Mapping Based on Floating Processing Factor-Fast Fourier Transform for Health Informatics Application	Sivaprakasam, T & Ramasamy, M	Journal of Medical Imaging and Health Informatics Impact Factor: 0.659	Vol. 11, No. 10 pp. 2639-2645(7)	October 2021	-	Web of Science
3.	Solar photovoltaic interconnected ZSI-unified power quality conditioner to enhance power	Raja A. , Vijayakumar M. , Karthikeyan C.	Bulletin of the Polish academy of sciences Technical sciences Impact Factor: 1.2	Vol. 70, no.1 pp. e140015,	2022	Q3	Web of Science
4.	Adaptive Sub-Threshold Voltage Level Control for Voltage Deviate-Domino Circuits	C. ArunPrasath and C. Gowri Shankar	Intelligent Automation & Soft Computing Impact Factor: 2.0	Vol.35, No.2 pp. 1767-1781,	2022	Q3	Web of Science

5.	Comparative analysis of YavadunamTavadunikrtyaVargancaYoja yet Vedic multiplier for embedded DNN	P. Santhosh Kumar C.Gowrishankar	Sādhana Indian Academy of Sciences Impact Factor: 1.6	Vol. 47, No. 74 pp. 1-6	2022	Q2	Web of Science
6.	Efficient Energy Conservation from Transport Vehicle to Utility Load	M. Subramani, S. Viveka, N. Ajith, M. Elango, M. Karthiga	International Journal of Power Electronics Controllers and Converters	Vol. 8, No. 1 pp.9-18	2022	-	Google Scholar
7.	Multifunction Hand Dispenser With Fog and Temperature Scanner Energy	Dr.V.Ravi, Hari Krishanan.M, Narayanan.M, Nitheshwaran.K, ShibinJoswa.E	International Journal of Intellectual Advancements and Research in Engineering Computations	Vol.10,No. 2 pp. 1-6	2022	-	Google Scholar
8.	Optimal Power Management of Renewable Energy Resources In Micro Grids Power Management System	Dr.V.Ravi, NandhaBalaji L	International Journal for Science and Advance Research in Technology	Vol. 8, No. 5 pp. 1208-1211	2022	-	Google Scholar
9.	Control of Three Phase Solar Photovoltaic System With Power Quality	Dr.R.Sankar Ganesh, Nandhini R	International Journal for Science and Advance Research in Technology	Vol. 8, No. 5 pp. 1212-1215	2022	-	Google Scholar
10.	Design of Cascade 11 Level Inverter With Fewest Power Electronics Switches	S. Senthil Kumar, K.Sakthivel	International Journal for Science and Advance Research in Technology	Vol. 8, No. 5 pp. 1216-1219	2022	-	Google Scholar
11.	High Gain Superlift Luo Convertor Based Grid Connected Hybrid Solar Wind Energy System	Dr.C. GowriShanar, M .Nivashini	International Journal for Science and Advance Research in Technology	Vol. 8, No. 5 pp. 1220-1225	2022	-	Google Scholar
12.	Hybrid Controller For Renewable Energy Power Plant In Stand Alone Sites	Dr.S.Ramesh, S.Bharathi	International Journal for Science and Advance Research in Technology	Vol. 8, No. 5 pp. 1226-1229	2022	-	Google Scholar
13.	Solar Energy-Based Induction Cooking	S.Ramesh, R.Jayapal,	International Journal	Vol. 8, No. 1	2022	-	Google

	System	R.A.Arunkumar, S.Manoranjith, V.Vellingiri	of Power Electronics Controllers and Converters	pp.1-8			Scholar
2020-21							
1.	Analysis of Deep Rain Streaks Removal Convolutional Neural Network Based Post Processing Techniques in HEVC Encoder	ThiyagarajanJayaraman & Gowri Shankar C	Journal of Circuits, Systems and Computers (World Scientific) Impact Factor: 1.6	Vol. 30, No. 02 pp. 2150020	July 2020	Q3	Web of Science
2.	Multi-objective optimization of optimal placement and sizing of multiple DG placements in radial distribution system using stud krill herd algorithm	S.A. Chithra Devi, K. Yamuna & M. Sornalatha	Neural Computing and Applications (Springer) Impact Factor: 6	Vol.33, pp.13619– 13634	April 2021	Q1	Web of Science
3.	Experimental validation of solar PV sustained ZSI based unified active power filter for enrichment of power quality	Vijayakumar, M Parthiban, S	Automatika (Taylor & Francis) Impact Factor: 1.9	Vol. 62, No. 1 pp. 137-153	March 2021	Q2	Web of Science
4.	Design of Z-Source Inverter-Based Dynamic Voltage Restorer Circuitry with R-SOGI Control Scheme for Enrichment of Power Quality	A. SathikBasha and M. Ramasamy	Journal of Circuits, Systems and Computers (World Scientific) Impact Factor: 1.6	Vol. 29, No. 16, pp. 2150195	February 2021	Q3	Web of Science
5.	Solar Photovoltaic Interfaced Quasi Impedance Source Network Based Static Compensator for Voltage and Frequency Control in the Wind Energy System	S.Ramachandran M.Ramasamy	Journal of Electrical Engineering & Technology Impact Factor: 1.9	Vol. 16 pp.1253–1272	February 2021	Q2	Web of Science
6.	Experimental Validation of Z-Source Network-Based Solar PV Backed Unified Active Power Filter for Power Quality Enrichment	Dineshkumar, B, Karthikeyan, C &Suganya, P	Journal of Circuits, Systems and Computers Impact Factor: 1.6	Vol. 30, No. 01 pp. 2150011	January 2021	Q3	Web of Science
7.	Experimental validation of solar panel integrated modified three-port active clamp flyback converter fed micro-inverter	N.Kumarasabapathy, P S Manoharan and M Ramasamy	Semiconductor Science and Technology (IOP Science) Impact Factor: 1.9	Vol.35, No. 10 pp. 105020	September 2020	Q2	Web of Science
8.	Microprocessor and PI controller based three phase CHBMLI based DSTATCOM for THD mitigation using hybrid control techniques	R.Hemalathaa M.Ramasamy	Microprocessors and Microsystems (Elsevier) Impact Factor: 2.6	Vol. 76 pp. 103093	July 2020	Q2	Web of Science

9.	Modified isolated power factor correction Cukconverter fed BLDC motor drive with Fuzzy Logic Controller for pumping applications	Kumarasabapathy N &M.Ramasamy	Journal of the Chinese Institute of Engineers (Taylor & Francis) Impact Factor: 1.1	Vol.43, No. 6 pp. 553-565	July 2020	Q3	Web of Science
10.	Modified Bidirectional Dc-dc Boost Converter Fed Three-Phase Four- Wire PV-DVR	N.Kanagaraj M.Ramasamy H.Rezk T.Manesh	Journal of Testing and Evaluation (ASTM) Impact Factor: 1.2	Vol.48, No.4 pp. 3087-3115	July 2020	Q3	Web of Science
11.	Solar PV Sustained Quasi Z-Source Network-Based Unified Power Quality Conditioner for Enhancement of Power Quality	Vijayakumar, M Muthuvel, K	Energies (MDPI) Impact Factor: 3.2	Vol. 13, No. 10 pp. 2657	May 2020	Q1	Web of Science
12.	Design Analysis and Experimentation of High Step-up, high efficiency isolated SPEPIC converter	Sathya Narayanan, T.K.S. Ramasamy, M. Chokkalingam, S.	Journal of Electrical Engineering Impact Factor: 0.8	Vol. 5, No. 6 pp. 1-6	2020	Q3	Web of Science
13.	A Non-Invasive Way To Determine Blood Type Based On Antigen Property	M.Sornalatha, K. Yamuna, A. Vasanthi & B. Yuvarani	International Academy of Science Engineering and Technology	Vol. 10, No. 2 pp. 17-24	March 2021	-	Google Scholar
2019-20							
1.	Quality improvement and performance analysis of High Efficiency Video Coding under high quantization parameters and rain streaks	Gowri Shankar, C, Thiyagarajan, J,	International Journal of Signal, Image and Video Processing (Springer) Impact Factor: 2.3	Vol. 14 pp. 387-395	March 2020	Q2	Web of Science
2.	SPV-Based UPQC with Modified Power Angle Control Scheme for the Enhancement of Power Quality	A. Gowrishankar M.Ramasamy	Journal of Circuits, Systems, and Computers (World Scientific) Impact Factor: 1.6	Vol. 29, No. 4 pp. 2050064 (41 pages)	March 2020	Q3	Web of Science
3.	Intelligent software defined network based digital video stabilization system using frame transparency threshold pattern stabilization method	S. Kokila S. Ramesh	Computer Communications (Elsevier) Impact Factor: 6	Vol. 151 pp. 419-427	Feb 2020	Q1	Web of Science
4.	Investigation of filtering of rain streaks affected video sequences under various	Gowri Shankar, C,	IETImage Processing	Vol. 14, No.02	February	Q2	Web of Science

	quantization parameter in HEVC encoder using an enhanced V-BM4D algorithm	Thiyagarajan, J,	Impact Factor: 2.73	pp. 337 – 347	2020		
5.	Machine Learning Based Secure Data Analysing for FPGA Based Solar PV Fed Speed Control of Brushless DC Motor Using Versatile Threshold Optimization Technique	G. Saravanan C. Karthikeyan	International Journal of Wavelets, Multiresolution and Information Processing (World Scientific) Impact Factor: 1.4	Vol. 18, No. 01 pp.1941022 (25 pages)	Jan 2020	Q3	Web of Science
6.	Adaptive power management strategy-based optimization and estimation of a renewable energy storage system in stand-alone microgrid with machine learning and data monitoring	D. Sathishkumar C. Karthikeyan	International Journal of Wavelets, Multiresolution and Information Processing (World Scientific) Impact Factor: 1.4	Vol. 18, No. 01 pp. 1941023 (21 pages)	Jan 2020	Q3	Web of Science
7.	Predictive machine learning and data acquisition for power quality improvement in facts devices with optimum power flow control based on cross difference progression and coordination examining algorithm	A. Mohamed Ibrahim C. Karthikeyan	International Journal of Wavelets, Multiresolution and Information Processing (World Scientific) Impact Factor: 1.4	Vol. 18, No. 01 pp. 1941024 (20 pages)	Jan 2020	Q3	Web of Science
8.	Voltage deviate-domino circuits for low power high-speed applications using prescient innovation model	C. ArunPrasath, C.Gowri Shankar	Microprocessors and Microsystems (Elsevier) Impact Factor: 2.6	Vol. 71 pp.102878	Nov 2019	Q2	Web of Science
9.	Genetic algorithm based sensor node classifications in wireless body area networks (WBAN)	K Kalaiselvi, GR Suresh, V Ravi	Cluster Computing : The Journal of Networks, Software Tools and Applications (Springer) Impact Factor: 4.4	Vo.22,No.5 pp. 12849-12855	September 2019	Q2	Web of Science
10.	"Experimental Validation of Solar Photovoltaic-Based Unified Power Quality Conditioner with Modified Power Angle Control Scheme,"	A. Gowrishankar M. Ramasamy,	Journal of Testing and Evaluation (ASTM)	Vol.48, no. 1 (2020). pp.428-451	September 2019	Q3	Web of Science

			Impact Factor: 1.2				
11.	Adapted Semi Carry Save Modular Montgomery Multiplier for High Performance Elliptic Curve Cryptography Processor	S.Senthilkumar, Periasamy.P.S,	International Journal of Applied Mathematics and Information Sciences Impact Factor: 0.258	Vol. 13, No. 5 pp. 769-776	September 2019	Q4	Web of Science
12.	An Efficient Approach for the Detection of Link Failures in WBAN System for Health Care Applications	Ravi V Kalaiselvi K Suresh G R	International Journal of Communication Systems (Wiley) Impact Factor: 2.1	Vol. 32 Issue 15 pp. 1-10,	August 2019	Q2	Web of Science
13.	Torque Ripple Minimization of Brushless DC Motor Using Intelligent Control techniques	M.Vijayakumar&P.S.Periasamy	Journal of Electrical Engineering Impact Factor: 0.8	Vo.19, No.4 pp.382-392	2019	Q3	Web of Science
14.	High-performance single-input three-output DC-DC high gain converter for fuel cell-based electric vehicles	Gowri Shankar, C. Ravikumar, P	Electrical Engineering (Springer) Impact Factor: 1.8	Vol. 102, No. 3 pp. 1715-1737	April 2020	Q2	Web of Science
15.	PV Based Grid System for Power Quality Enhancement using Instantaneous P-Q Theory	Suresh K. P., Ramesh S.	International Journal of Engineering and Advanced Technology	Vol.9, No.1S6 pp. 6-12	December 2019	-	Scopus
16.	GSM Based Manless Power Transmission Control For Remote Thermal Station	Vani.E, Priyanka.K, Suresh.k, Thineshkumar.K and Vignesh.D	International Journal of New Innovations in Engineering and Technology	Special issue, pp. 71-82	June 2020	-	Google scholar
17.	IOT Gaming Technology using Power Generation	M. Velmurugan K. Vijayakumar, J. YasarArafathVijayakumar.M	International Journal of Advanced Science and Engineering Research	Vol.5, No.1. pp.317-321	2020	-	Google scholar
18.	Real Time Bus Arrival Monitoring System for Central Bus Station using Lora	Thiygarajan J & S. Pradeep	International Journal of Engineering Science and Computing	Vol. 9 , No. 5 pp. 22135 - 22139	2019	-	Google scholar

19.	Smart Borewell Optimizer and Monitoring System to Enhance Borewell Life	B.Yuvarani P.Karthick, R.Muralidharan, M.P.Pavithra, P.Pavithra,	South Asian Journal of Engineering and Technology	Vol. 08, No. S1, pp. 33-38	2019	-	Google scholar
20.	Bank Smart Card With Smart Security System Using PLC	Kannan E, Gowtham S, Logesh G, Prabhakaran P, Prasanth M, Praveen Kumar P	International Research Journal of Modernization in Engineering Technology and Science	Vol. 02 No.03 pp. 386-391	March 2020	-	Google scholar
21.	Climate Adjustable E- Military Suit	S. Ramesh, R. Sankarganesh, N. Dharani, P. Kandeepan, C. Kishore , K. ManikandanKodesh	International Research Journal of Modernization in Engineering Technology and Science	Vol. 02 No.03 pp. 321-326	March 2020	-	Google scholar
22.	Child Rescue From Borewell Using Robotic System	Dr.M.Vijayakumar, NandhaBalaji L, Nivashini M, Ajithkumar M	International Journal of New Innovations in Engineering and Technology	Special Issue on ICET - 2020 pp. 24-27	May 2020	-	Google scholar
23.	Cow Dung Cleaning Solar Power Robot	Dr.P.Suganya, S.Indhumathi, d.Dhanapal, C.Manikandan, P.Karvannan	International Journal of New Innovations in Engineering and Technology	Special Issue on ICET - 2020 pp. 28-33	May 2020	-	Google scholar
24.	Electric Vehicle Multiple Charging Station with Hybrid Renewable System	R. Sankarganesh, P.Mohanvel, S.Mohan, P.Amarnath, D.Kaviyarasu	International Journal of New Innovations in Engineering and Technology	Special Issue on ICET - 2020 pp. 59-63	May 2020	-	Google scholar
25.	Gsm Based Manless Power Transmission Control For Remote Thermal Station	E.Vani, Priyanka.K Suresh.K Thineshkumar.K Vignesh.D	International Journal of New Innovations in Engineering and Technology	Special Issue on ICET - 2020 pp. 71-82	May 2020	-	Google scholar
26.	Power quality improvement In single phase grid using photovoltaic in UPQC	Yamuna.K, Rajeshkannan.M, Sridhar.P,Sathishkumar . K, Sudhakaran. V. M	International Journal of New Innovations in Engineering and Technology	Special Issue on ICET - 2020 pp. 100-107	May 2020	-	Google scholar

27.	Purification Of Air In The Environment Using Filtering Process With Electric Power Generation	Dr.M.Vijayakumar, R.Prasanth, T.Kavin, R.Balakrishnan, S.Aravinth	International Journal of New Innovations in Engineering and Technology	Special Issue on ICET - 2020 pp. 108-112	May 2020	-	Google scholar
28.	Smart Trolley System For Automated Billing Using Rfid And IoT	Suganya. P, Soundarya. S, Dhivagar. S, Arunprabhu M	International Journal of New Innovations in Engineering and Technology	Special Issue on ICET - 2020 pp. 140-144	May 2020	-	Google scholar
2018-19							
1.	Grid-Interconnected Solar Photovoltaic System for Power Quality Improvement Using Extended Reference Signal Generation Strategy	K. P. Suresh S. Ramesh	Journal of Testing and Evaluation Impact Factor: 1.2	Vol. 49, No.1 pp. 452-472	May 2019	Q3	Web of Science
2.	Design and Implementation of Three-Winding Coupled Inductor and Switched Capacitor-Based DC-DC Converter Fed PV-TDVR	M. Kumar S. Ramesh	Journal of Circuits, Systems and Computers (World Scientific) Impact Factor: 1.6	Vol. 28 No. 09 pp. 1950158 (1-33)	Aug 2019	Q3	Web of Science
3.	IoT based Prudent Automatic Falls Detection for Elders by Analyzing Carrier State Information (CSI) Employing WiFi Devices	R. Velumani & M. Vijayakumar	Wireless Personal Communications (Springer) Impact Factor: 2.2	Vol. 113 pp. 2747-2748	March 2019	Q2	Web of Science
4.	Insulation condition assessment of high-voltage rotating machines using hybrid techniques	S.Gopinath, K.Sathiyasekar P.Sanjeevikumar C.Bharatiraja	IET Generation, Transmission & Distribution Impact Factor: 2.503	Vol. 13, No. 2 pp. 171 - 180	Dec 2018	Q1	Web of Science
5.	Experimental Validation of Impedance Source Network Based Active Power Filter for Interconnection of PV System into Grid	P.Jamuna S. Ramesh	Journal of Circuits, Systems and Computers (World Scientific) Impact Factor: 1.6	Vol.27, No. 14 pp.850215 (22pages)	December 2018	Q3	Web of Science
6.	Solar Photovoltaic System Interfaced Shunt Active Power Filter for Enhancement of Power Quality in Three-Phase Distributed System.	S.Senguttuvan M.Vijayakumar	Journal of Circuits, Systems and Computers (World Scientific) Impact Factor: 1.6	Vol.27, No.11 pp. 1850166 (27 pages)	October 2018	Q3	Web of Science

7.	Grid Integration of Renewable Energy Sources (RES) for power quality improvement using adaptive fuzzy logic controller based Series Hybrid Active Power Filter (SHAPF)	S.Ramesh C.Pazhanimuthu	Journal of Intelligent & Fuzzy Systems (IOS Press) Impact Factor: 2	Vol. 35, No.1 pp. 749-766	2018	Q2	Web of Science
8.	Prudent Automatic Falls Detection by Analyzing Carrier State Information (CSI) Signal Using Wi- Fi Devices.	R.Velumani M.Vijayakumar	Journal of Testing and Evaluation (ASTM) Impact Factor: 1.2	Vol.47, No.4 pp. 2947-2963	July 2018	Q3	Web of Science
9.	Review on diverse approaches used for epileptic seizure detection using EEG signals	K. Bhaskar C. Karthikeyan	Bangladesh Journal of Medical Science	Vol. 17 No.04 pp. 526 -531	Oct 2018	-	Scopus
10.	A Novel Battery and Super Capacitor Using IOT to Interface Renewable Energy Sources with Dual Direction and Its Application	S. Sankarananth M. Karthiga C. Karthikeyan M. Vinith Kumar	Journal of Computational and Theoretical Nano science	Vol. 15 pp. 1-10	2018	-	Scopus
11.	Epilepsy Seizure Detection Using Akima Spline Interpolation Based Ensemble Empirical Mode Kalman Filter Decomposition by EEG Signals	K. Bhaskar C. Karthikeyan	Journal of Medical Imaging and Health Informatics	Vol. 9, No. XX pp.1-9	Aug 2019	-	Scopus
12.	IOT Based Smart Irrigation System with Wired Node Network	M. Narendrababu, P. Suganya	International Journal of Engineering Science and Computing	Vol. 9, No.5 pp. 22131-22143	2019	-	Google scholar
13.	Hybrid Energy Harvesting System For Charging Stations	M.M.Ramya, D.Vinothkumar, K.Rajeshwari, S.Soorya, M. Subramani	International Research Journal of Engineering and Technology	Vol. 06, No. 03 pp. 3294 -3298	2019	-	Google scholar

14.	Groundnut harvester	E.Vani, S.Thiruvengadam, L.Shanmugapriya, M.R.Stalin, S.Vignesh	International Journal of Intellectual Advancements and Research in Engineering Computations	Vol. 07, No. 02 pp. 2006-2012	2019	-	Google scholar
15.	Robotized Arecanut tree climber and pesticides sprayer	A.Vasanthi, G.Ramesh, M.Ranjani, M.Praveen Kumar, A.Vanitha Mani	International Journal of Intellectual Advancements and Research in Engineering Computations	Vol. 07, No. 02 pp. 2210-2215	2019	-	Google scholar
16.	Fabrication of solar powered automatic seed sewing machine	C.Karthikeyan, J.Poornima, P.Saranya, P.Sivasakthi, S.Sivasakthi	International Journal of Intellectual Advancements and Research in Engineering Computations	Vol. 07, No. 02 pp. 2216-2220	2019	-	Google scholar
17.	IOT Based Load Sharing and Power Management	Dr.A.Maheswari, M.MohammedLookma n, S.Nivetha, R.Pavithra,N.Dinesh	South Asian Journal of Engineering and Technology	Vol. 08, No. S1 pp. 39-44	2019	-	Google scholar
18.	Smart Borewell Optimizer And Monitoring System to Enhance Borewell Life	B.Yuvarani P.Karthick, R.Muralidharan, M.P.Pavithra, P.Pavithra,	South Asian Journal of Engineering and Technology	Vol. 08, No. S1 pp. 33-38	2019	-	Google scholar
19.	Secure Image Encryption and Data Embedding Using Block Truncation Coding	Gowri Shankar, C., Madlin Asha, M. and Menaka E.	Caribbean Journal of Science	Vol. 53, No. 2, pp. 1851-1858	2019	-	Google scholar
20.	Collecting wastes from trashcan using LoRa	R. Khowshalya E. Vani,	International Journal of Emerging Technology in Computer Science & Electronics	Vol.26, no. 4 pp. 69-71	June 2019	-	Google scholar
2017-18							
1.	Reduction of harmonics in a wind power					-	Scopus

	conversion system by the optimal function of a Vienna rectifier and switched inductance z source inverter.	E.Vani Rengarajan, N	Research Journal of Biotechnology	Vol.12, Spl. issue pp. 188-198	Aug 2017		
2.	Power Line Carrier Communication using Automated Meter Reading	R. Gunasekaran C. Karthikeyan	Bioprocess Engineering	Vol.1, No.4 pp.104-109	Aug 2017		Google scholar
3.	A Newly Designed Multiport Isolated Dual Directional DC - DC Converter Topology Interfacing Battery and Super Capacitor for Combination of Energy Storage Application.	Dr.C.Karthikeyan	GRD Journal	Vol.2, No.11 pp. 1-10	2017	-	Google scholar
4.	Review on Diverse Approaches used for Epileptic Seizure Detection using EEG Signals.	K.Baskar Dr.C.Karthikeyan Dr.J.Sundararajan	International Journal of Pure and Applied Mathematics	Vol.117, No.15 pp.991-1000	2017	-	Scopus
5.	Tele Alert System for Epileptic Seizure on a Study of EEG Signal Classification by GBE-NLSVM Through ICA Pre-processed and AR Extracted Signal in a BCI System.	Vijayakumar,MRamasa my,MVelumani, R	Journal of Testing and Evaluation Impact Factor: 1.2	Vol.46, No.2 pp.469-484	Mar 2017	Q3	Web of Science
6.	Genetic Algorithm Based Sensor Node Classification in Wireless Body Area Networks (WBAN).	Dr.V.Ravi G.R.Suresh K.Kalaiselvi	The journal of networks, software tools and applications Impact Factor: 4.4	Vol.1, No.2 pp. 1-7	March 2018	Q2	Web of Science
7.	Analysis of diabetic retinopathy using naive Bayes classifier technique	V. Sudha C. Karthikeyan	International Journal of Engineering & Technology	Vol.7, No.2 pp. 440-442	2018	-	Scopus
8.	Wind Turbine System with an Auxiliary parallel Grid-Side Converter Using PMSG Wind Energy	S.Ramachandran, Dr.M.Ramasamy, G.Dinesh	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Vol.7, No.2 pp. 471-476	February 2018	-	Google scholar
9.	Efficient Controlled Based Wind Energy Conversion System Using PMSG and ANFIS Adaptive Maximum Power Point Tracking Control Algorithm	S.Ramachandran Dr.M.Ramasamy S.Sathishkumar	International Journal of Advanced Research in Electrical, Electronics	Vol.7, No.2 pp. 465-470	February 2018	-	Google scholar

		T.Kamalakannan	and Instrumentation Engineering				
10.	Maximum Power DFIG Control Algorithm using Interleaved and ANFIS Converter	S.Ramachandran Dr.M.Ramasamy K.Radha Krishnan	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Vol.7, No.2 pp. 477-481	February 2018	-	Google scholar