

Research Journal Publications during Last Five Years in EEE Department

S.No	Title of paper	Name of the author/s	Name of journal	Year	ISSN
1	A hybrid control topology for cascaded multilevel inverter with hybrid renewable energy generation subsystem	M. Venkatesan	Solar Energy	2022	0038-092X
2	A Distinctive methodology to recover renewable penetration cost into Electric Grid	Mahaboob Shareef Syed, Ch.V.Suresh	International journal of Ambient Energy	2022	0143-0750
3	Super capacitors for energy storage: Progress, applications and challenges	YR Tagore, AR Rao, K. Rajani, K. Anuradha,	Journal of Energy Storage	2022	2352-152X
4	Dynamic analysis of solar powered two-stage dc-dc converter with MPPT and voltage regulation	YR Tagore, K. Rajani, K. Anuradha	International Journal of Dynamics and Control	2022	2195-2698
5	A review on energy efficient technologies for electric vehicle applications	YR Tagore, K. Anuradha, K. Rajani, BS. Rao, K. Chandrasekhar	Journal of Energy Storage	2022	2352-152X
6	Efficient Control of Sensorless Hybrid Electric Vehicle Using RBFN Controller	M.Venkatesan	Studies in Informatics and Control	2021	1841-429X
7	Fuel Cell-Based High-Gain Boost Converter Fed Single-Phase Multi-level Inverter Controlled by FPGA controller	M.Venkatesan	Journal of New Materials for Electrochemical Systems	2021	1480-2422

8	Performance Evaluation of PI/RBFN ANN controllers for Sensor less BLDC motor control based Fuel cell/PV Hybrid Electric Vehicle	M.Venkatesan	Journal of New Materials for Electrochemical Systems	2021	1480-2422
9	Optimal Power Flow Solution in the Presence of Renewable Energy Sources	Mahaboob Shareef Syed, Ch.V.Suresh, Siva Nagaraju	Iranian Journal of Science and technology, Transactions of Electrical Engineering	2021	2228-6179
10	Advancements in power conditioning units for electric vehicle applications: a review	Ravindranath Tagore Yadlapalli, Anuradha Kotapati, Rajani Kandipati	International Journal of Electric and Hybrid Vehicles	2021	1751-4096
11	Advancements in energy efficient GaN power devices and power modules for electric vehicle applications: a review	Ravindranath Tagore Yadlapalli, Anuradha Kotapati, Rajani Kandipati, Srinivasa Rao Balusu, Chandra Sekhar Koritala	International Journal of Energy Research	2021	1099-114X
12	Role of Demand Side Management in Residential Distribution Systems with the Integration of Electric Vehicles	Jayababu Badugu, Obulesu Yeddula Pedda, Sai Babu Choppavarapu	Journal of Electrical Engineering & Technology	2021	2093-7423

13	High-performance analysis of interleaved high-gain converter with active switched inductor using intelligent controller	MV Sudarsan, Ch Sai Babu, S Satyanarayana	The Journal of Super computing	2021	1573-0484
14	FPGA Implementation of Optimum Switching Angle Control for Shunt Active Filter using ANNSVPWM	M. Venkatesan	International Journal of Electronics	2021	0020-7217
15	Frequency Regulation of Multi Area Renewable Energy Source system with Practical Constraints under Fractional-order Fuzzy Controller	Ch Naga Sai Kalyankalyanchallapalli, A. N. Venkateswarlu, Rami Reddy Ch, B. Srikanth Goud, A. Giri Prasad, Ch. Sriram, Flah Ayme	International Journal of Renewable Energy Research	2021	1309-0127
16	Maximum power enhancement under partial shadings using a modified Sudoku reconfiguration	Kandipati Rajani	CSEE Journal of Power and Energy Systems	2021	2096-0042
17	Design of Extreme Learning Machine based LFC for Three Area Interconnected Power System	M. Suman	Journal of Engineering Science & Technology Review	2021	1791-2377

18	An Indirect Matrix Converter Fed Linear Induction Motor Drive by Considering Time-Varying Parameters	M. Nagaraju, G. Durga Sukumar, G.V. Marutheswar	Mathematical Modelling of Engineering Problems	2020	2369-0739
19	Design and modelling of hybrid fuel cell and solar-based electric vehicle	M.Venkatesan	International Journal of Vehicle Autonomous Systems	2020	1741-5306
20	Research on FPGA controlled three phase PV inverter using multi-Carrier PWM control schemes	M.Venkatesan, BAdhavan,	Microprocessor and Microsystems	2020	1419-331
21	Dynamic partial reconfiguration enhanced with security system for reduced area and low power consumption	Dr.M.Venkatesan	Microprocessor and Microsystems	2020	1419-331
22	Performance Analysis of Fuzzy Controlled High Gain Based Active Network Converter for RES Applications	M.V.Sudarsan, ChSaibabu, S Satyanarayana	Journal of Green Engineering	2020	1904-4720

23	Single-phase thirteen-level dual-boost inverter based shunt active power filter control using resonant and fuzzy logic controllers	M.Venkatesan	CSEE Journal of Power and Energy Systems	2020	2096-0042
24	Design and performance evaluation of PID, Fuzzy logic and ANN controllers based MPPTs for hybrid electric vehicle applications	M.Venkatesan	International Journal of Ambient Energy	2020	0143-0750
25	A Step By Step Design of PV System-A Research Approach for Engineering Graduates	M Venkatesan, CS Subash Kumar, M Sathiyathan	i-manager's Journal on Future Engineering and Technology	2020	2230-7176
26	Investigations on MPPT Algorithm for PhotoVoltaic Systems	M. Venkatesan	Journal of Green Engineering	2020	1904-4720

27	Design of Load Frequency Controller for Multi-area System Using AI Techniques	M. Suman	Journal Européen des SystèmesAutomatisés	2020	1269-6935
28	An Improved Single Phase Self-balancing Switched Capacitor Based Step-up Nine Level Inverter	M. Venkatesan	Journal Européen des SystèmesAutomatisés	2020	1269-6935
29	Investigations on Three-Phase Grid-Connected Inverter using PWM Controllers.	D Manikanta Swamy, M Venkatesan, M Subbarao	Journal of Engineering Science & Technology Review	2020	1791-2377
30	Design and Development of Vortex Wind Generator for Residential andCommercial Applications	M. Divya	International Journal of Grid and Distributed Computing	2020	2005-4262
31	A multi-constrained binary ILP method for optimal allocation of PMUs in network	P Lakshminarayana, M Venkatesan	SN Applied Sciences	2020	2523-3971

32	Simulation and analysis of three-phase parallel inverter using multicarrier PWM control schemes	D Manikanta Swamy, M Venkatesan	SN Applied Sciences	2020	2523-3971
33	PWM Controlled 3-Phase Inverter for Renewable Energy Applications and Environmental Impacts	M.Venkatesan, K Balachander, S.G.Ramesh Kumar	Journal of Green Engineering	2019	1904-4720
34	Recharging Methods of Electric vehicles in residential distribution systems	JayababuBadugu, Y.P. Obulesu, .Ch. SaiBabu	Journal Européen des SystèmesAutomatisés	2019	1269-6935
35	PID Control Design of Second Order Systems	RamaKoteswaraRao.K Lekyasri N Smt.K.Rajani .	I.J. Engineering and Manufacturing	2019	2306-5982
36	Performance analysis and design optimization of 3phase packed U cell inverter for industrial drive applications	Yadlapalli Ravindranath Tagore;i	International Journal of Mathematical Modelling and Numerical Optimisation	2019	2040-3607

37	Optimal Configuring of Micro Grid	SomavarapuSrilatha, Mr.MahaboobShareef Syed, B.SrinivasaRaju	I- Manager Journal on Electrical Engineering	2019	2230-7176
38	Simulation of Switched Capacitor Inverter Topology with Boost Facility	A.Hanumaiah, M.Venkatesan	International journal of recent technology and engineering	2019	2277-3878
39	Modelling ,simulation and control of a fuel cell powered Laptop computer voltage regulator module	Y.R.Tagore, K.Anuradha. AR.VijayBabu P.ManojKuma	International Journal of Hydrogen Energy	2019	0360-3199
40	ANN Based SVC FACTS Controller to Enhance Voltage Stability of Multi-Machine Power System	M.Suman	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075,
41	Performance analysis of quadratic buck converter for electric vehicle battery charging applications	Y.R Tagore, Anuradha K, Smt.K.Rajani.	International journal of Electric and Hybrid Vehicles	2019	1751-4096

42	Simulation and Analysis of PI and NN Tuned PI Controllers for Transformer Based Three-Phase Multi-level Inverter with MC-PWM Techniques	Venkatesan Mani ManikanaSwamyDasari	Journal Européen des SystèmesAutomatisés	2019	1269-6935
43	Modelling and Optimal Siting of Static VAR Compensator to Enhance Voltage Stability of Power System with Uncertain Load	SumanM,.VenuGR,PV.Ram anarao	Advances in Modelling and Analysis C	2019	1240-4535
44	PERFORMANCE EVALUATION OF SPWM TECHNIQUES FOR SINGLE-PHASE FIVE-LEVEL INVERTER	D. Manikanta Swamy, M. Venkatesan	Journal of Mechanics of Continua and Mathematical Sciences	2019	2454 -7190
45	OBSERVABILITY AND REDUNDANCY BASED PMU PLACEMENT AT OPTIMAL LOCATION OF POWER SYSTEM	P. Lakshmi Narayana, M Venkatesan	Journal of Mechanics of Continua and Mathematical Sciences	2019	2454 -7190
46	SIMULATION OF SINGLE PHASE TRANSFORMER-LESS FIVE-LEVEL INVERTER FOR PV APPLICATIONS	Shaik Gouse Basha, M. Venkatesan	Journal of Mechanics of Continua and Mathematical Sciences	2019	2454 -7190

47	Design and Comparison of Standalone Bladeless Wind Solar Hybrid System with the Conventional Standalone Wind Solar Hybrid System	Divya Manukonda, Srinivasa Rao Gorantla	European Journal of Electrical Engineering	2019	2103-3641
48	Simulation of Model Predictive Controller Based Oscillatory Water Pumping System for Residential Applications	Divya Manukonda, Srinivasa Rao Gorantla	Journal Européen des Systèmes Automatisés	2019	1269-6935
49	Machine learning algorithm based static VAR compensator to enhance voltage stability of multi-machine power system	M. Suman	Mathematical Modelling of Engineering Problems	2019	2369-0739
50	SIMULATION OF ANN BASED MPPT FED BLADELESS WIND POWER GENERATOR	M. Divya	Journal of Mechanics of Continua and Mathematical Sciences	2019	0973-8975
51	Modeling and analysis of a hybrid boost DC-DC converter distributed generation	M.V.Sudarsan, Ch.Saibabu, S Satyanarayana	International journal of Engineering and Technology	2018	2349-5162

52	Improvement of Multi-Machine Power System Stability Using Artificial Intelligent Power System Stabilizer	M. Suman	Mathematical Modelling of Engineering Problems	2018	2369-0739
53	Investigation of THD analysis in Residential distribution systems with different penetration level of electric vehicles	Mr.JayababuBadugu, Dr. Y.P. Obulesu, Dr.Ch. SaiBabu	International Journal of Electrical and Computer Engineering Systems	2018	1847-6996
54	Enhancement of Voltage Stability Using Optimally Sited Static VAR Compensator with Three Phase Fault	M. Suman	JRDCS	2018	1943-023X
55	A PFC-Bridgeless SEPIC converter with Multiplier cell for universal input voltage applications	GYamavarapu, D.Manikantawamy, M Venkatesan	I-Manager's Journal on Electrical Engineering	2018	2230-7176
56	Implementation of FPGA based BL-CSC converter fed BLDC motor	D. manikantaswamy M. Venkatesan	Journal of Advanced Research in dynamical and control systems	2018	1943-023X

57	Design of Joystick controlled electrical wheelchair	Mr.SGouseBasha Dr.M. Venkatesan	Journal of Advanced Research in dynamical and control systems	2018	1943-023X
58	Alleviation of VAR impact on critical loading margin with re- dispatch in deregulated power systems	A.N.Venkateswarlu,S.S.Tulasi Ram ,P.SangameswaraRaju	International Journal of Engineering and Technology	2018	2227-524X
59	A Review on Regulation of Hybrid Solar Photovoltaic and Wind Drive Coordination	P. Pothuraju	International Journal of Engineering & Technology	2018	2227-524X
60	Multi area load frequency control of a Hybrid power system with Advanced Machine learning controller:Case study of Andhra pradesh	Mr.MahaboobShareef Syed, Dr.Ch.V.Suresh, Dr.S.SivaNagaraju	I-manager's Journal on Power Systems Engineering	2018	2321-7499
61	Firefly algorithm for solving economic and environmental dispatch considering security constraint	Dr.M. Venkatesan	International Journal of Pure and Applied Mathematics	2018	2827-2833

62	IOTs Based Stepper Motor Control using ARDUINO	Dr.M. Venkatesan	Research Journal of Science and Engineering Systems	2018	2581-3560
63	Mathematical modeling of linear induction motor	M.Nagaraju, M.Sandhya Rani	International Journal of Engineering and Technology	2018	2227-524X
64	Harmonic Analysis of three phase fixed capacitor –thyristor controller reactor under balanced and unbalanced conditions	JayababuBadugu, Y.P. Obulesu,	International journal of robotics and automation	2018	2089-4856
65	Design and comparison of MPPT based oscillatory wind turbine with conventional wind turbine	Divya Manukonda, Srinivasa Rao Gorantla	European Journal of Electrical Engineering	2018	2103-3641
66	Efficiency analysis of maximum power point tracking techniques for photovoltaic systems under variable conditions	Rajanand Patnaik Narasipuram, Chaitanya Somu, Ravindranath Tagore Yadlapalli and Lakshmi Sirisha Simhadri	International Journal of Innovative Computing and Applications	2018	1751-648X

67	Design of Closed Loop PI Controller Based Hybrid Z-Source Dc-Dc Converter Using Matlab/Simulink	M. Divya	International Research Journal of Engineering and Technology	2018	2395-0056
68	FPGA based quasi Z-Source cascaded multilevel inverter using multicarrier PWM Techniques	Ranjith Kumar Kalilassam, Venkatesan Mani	Journal of Vibroengineering	2018	2538-8460
69	A fuzzy logic controller based vortex wind turbine for commercial applications	M. Divya	Modelling, Measurement and Control A	2018	1259-5985
70	Congestion management under (N-1) line contingency using unified power flow controller in deregulated power systems	A.N.Venkateswarlu S.S.Tulasi Ram P.SangameswaraRaju	Journal of Advanced Research in dynamical and control systems	2018	1943-023X
71	Voltage stability improvement by unified power flow controller under loaded conditions	A.N.Venkateswarlu, S.S.Tulasi Ram P.SangameswaraRaju	PONTE	2018	0032-423X
72	Design and implementation of energy storage system by using a converter and renewable energy sources	K. Suresh M. Venkatesan A R Vijaybabu	Journal of Advanced Research in dynamical and control systems	2018	1943-023X
73	Improvement of power quality with PI and Fuzzy controlled DSTATCOM	Mr.P. Akhil Raj Koti ,Mr. M. Nagaraju	International advanced research journal in Science, engineering and technology	2018	2393-8021
74	Comparative analysis of non isolated& isolated boost converter for RES applications	Dr.S.Satyanarayana Mr.M.V. Sudarsan, Dr.Ch.SaiBabu	Journal of Advanced Research in dynamical and control systems	2018	1943-023X
75	Closed loop control of Asymmetrical Half bridge fly back DC-DC converter with PI and fuzzy controller	Mr.ParimiVenkatarao Mr.M.V.Sudarsan	Journal of Emerging technologies and innovative Research	2018	2349-5162

76	Ultra High speed step up DC-DC converter fuzzy controller using three degree of freedom approach	R. Naveen Kumar , G. Ramesh	International advanced research journal in science, engineering and technology	2018	2394-1588
77	Short term wind speed forecasting using hybrid elm approach	MahaboobShareef Syed, S Sivanagaraju	Indian Journal of Science and Technology	2018	0974-5645
78	Design of MPPT based solar photovoltaic system for house hold applications	K. Rajini	JRDCS	2018	1946-023X
79	Interconnected Transmission Line Fault Detection Using Wavelet Transform and a Novel Machine Learning Algorithm	Y.SrinivasaRao, G.Ravikumar MahaboobShareef Syed, GattuKesavaRao	Journal of Advanced Research in Dynamical & Control Systems	2018	1943-023X
80	Power System State Estimation Using Minimal Placement of Phasor Measuring Units	Bala Krishna K and MoturuBindu, Sandeep Manda , Siva Sankar G	International Journal of Control Theory and Applications	2018	1943-023X
81	Control of UPFC for voltage stability constrained available transfer capability (VSATC)	A.N.Venkateswarlu Dr.S.S.Tulasi Ram ,P.SangameswaraRaju	International Journal of Applied Engineering research	2018	0973-4562
82	DESIGN OF STANDALONE SOLAR WIND HYBRID INVERTER	M. Divya	Journal of Advanced Research in Dynamical and Control Systems	2018	1943-023X