



VARDHAMAN COLLEGE OF ENGINEERING (AUTONOMOUS)

Shamshabad – 501 218, Hyderabad

Department of Electrical and Electronics Engineering

Academic Year: 2019-20

Journal Details:

S. No.	Faculty Name(s)	Title of the Paper	Name of the Journal	Publisher
1.	Kalyan Kumar Koppolu, Srinivas Nakka, A. Ananda Kumar	An Intelligent Battery Management System Based on SOC for Microgrid Employed in Grid-Connected Mode	International Journal of Research in Advent Technology	MG Aricent Private Limited
2.	Md. Asif, Dr. Sardar Ali, Dr. N. Sambasiva Rao	Wind and PV Based Smart Grid Power System Analysis Using MPPT and PSO Technique	International Journal of Advanced Science and Technology	Science and Engineering Research Support Society
3.	Asif, Md and Ali, Sardar and Rao, N Sambasiva	, Power Quality of a Smart Grid Using MPPT and PWM Technique (May 2, 2020)	International Journal of Electrical Engineering & Technology	IAEME
4.	Md. Asif, Dr. Sardar Ali, Dr. N. Sambasiva Rao	An Solution for Unit Commitment Problem of Wind and PV based Smart Grid using BAT Algorithm	International Journal of Innovative Technology and Exploring Engineering	Blue Eyes Intelligence Engineering & Sciences Publication
5.	Md. Asif, Dr. Sardar Ali, Dr. N. Sambasiva Rao	Electric Spring based Smart Grid for Voltage Stabilization and Reactive Power Compensation	International Journal of Advanced Science and Technology, 2020	Science and Engineering Research Support Society

6.	Md. Asif, Dr. Sardar Ali, Dr. N. Sambasiva Rao	An Efficient Distribution of Renewable Energy in Smart Grid Power System using Hybrid MCSTSA Technique	IJEAT, 2020	Blue Eyes Intelligence Engineering & Sciences Publication
7.	Mohan Bukya, K. Naresh	Modeling and Optimal Control of Two link planar arm	Journal of Emerging Technologies and Innovative research	IJ PUBLICATION
8.	Mohan Bukya	Symmetrical and Asymmetrical Fault Analysis for 3-Phase Transmission line using PSCAD	Journal of Electrical Power System Engineering and Technology	Mantech Publications
9.	B. Rajagopal reddy, N. Karuppiah, Dubbaka Vinay Kumar Goud and Samudrala Prashant Ganesh	Adaptive NMPC Controller for two link planar manipulator with parameter estimator	Springer Book Series Advances in decision sciences, Image processing, security and computer vision-2020	Springer
10.	Fathima	Direct Coupled PV Panel with ĆUK Converter for DC load applications	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Blue Eyes Intelligence Engineering & Sciences Publication
11.	K. Jaiganesh, P. Arulkumar, S. Karunakaran, Md. Asif, N. Srinivas	Improving the Efficiency of Solar Photovoltaic Cell by Decreasing Surface Temperature	International Journal of Engineering and Advanced Technology (IJEAT)	Blue Eyes Intelligence Engineering & Sciences Publication
12.	Fatima Unnisa, K. Jaiganesh, P. Arulkumar,	Direct Coupled PV Panel with ĆUK Converter for DC Load	International Journal of	Blue Eyes Intelligence

	S. Karunakaran	Applications	Innovative Technology and Exploring Engineering (IJITEE)	Engineering & Sciences Publication
13.	K Muralidhar Goud, C. Srisailam	Control Quality Enhancement of Inverted Pendulum Using Fractional Controlle	international journal of innovations in Electrical and Electronics Engineering, - Springer publication	Springer
14.	K Muralidhar Goud, C. srisailam, D Harsha, d Sathish	Stability analysis of Automatic Voltage Regulator using Fractional Order Controller	International Journal of Advanced Trends in Computer Science and Engineering, 2020	The World Academy of Research in Science and Engineering
15.	C. Srisailam, K Muralidhar Goud, D Harsha, d Sathish	Household Load forecasting using Deep Learning neural networks	International Journal of Advanced Trends in Computer Science and Engineering, 2020.	The World Academy of Research in Science and Engineering
16.	D Harsha, d Sathish, C srisailam, K Muralidhar Goud	A Novel method for Electricity Generation from footsteps using piezoelectric transducers	International Journal of Advanced Trends in Computer Science and Engineering, 2020.	The World Academy of Research in Science and Engineering
17.	Srinivas Nakka, Dr. R. Brinda, Dr. T. Sairama	Design of Six Phase Transmission System and Power Quality Improvement	International Journal of Advanced Science	Science and Engineering Research

		Using D-Starcom	and Technology	Support Society
18.	Kalyan Kumar Koppolu, Srinivas Nakka, A. Ananda Kumar	An Intelligent Battery Management System Based on SOC for Microgrid Employed in Grid-Connected Mode	International Journal of Research in Advent Technology	-
19.	U. Ramanjaneya Reddy, B. L. Narasimharaju and Raveendhra Dogga	Design and Analysis of Voltage Clamped Bidirectional DC-DC Converter for Energy Storage Applications	IET Journal of Engineering	IET
20.	U. Ramanjaneya Reddy, Kalyan Kumar Koppolu	Design of Dimmable Light Emitting Diode Driver for Low Power Applications	Journal of Power Technology	Warsaw University of Technology
21.	U. Ramanjaneya Reddy, B. L. Narasimharaju and Asif Md	Voltage Mode Control DCM HSD-CIB PFC Converter for HB-LED Lighting Applications	Journal of Power Technology	Warsaw University of Technology
22.	V. Sharath Babu, Loveswara Rao Burthi	A new STATCOM based Reactive power management in grid connected DFIG based wind farm	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	-
23.	T. C. Srinivasarao, Dr. S. S. Tulasi Ram, Dr. J. B. V. Subramanyam	Neural network with adaptive evolutionary learning and cascaded support vector machine for fault localization and diagnosis in power distribution system	SPRINGER VERILOG, GERMANY	-
24.	T. C. Srinivasa Rao, S. S. Tulasi Ram, JBV Subrahmanyam	Fault Signal Recognition in Power Distribution System using Deep Belief Network	Journal of Intelligent Systems, DE GRUYTER, Germany	-
25.	Dhairya patel, K. Venkatraman and	Mitigation of voltage unbalance by DSTATCOM in a	Journal of power	Warsaw University of

	Ramaraju	three phase four wire system	technologies	Technology
26.	K. Venkatraman, Kiran Kumar, S. Moorthi and Selvan, M.P	Universal Power Quality Conditioner (UnPQC) for enhancing the power quality in distribution system	Journal of power technologies, 99 (3), 2019.	Warsaw University of Technology
27.	Dheepan Chakkravarthy, Jawahar, Venkatraman, K., Selvan, M.P., and Moorthi, S	Performance Evaluation of FPGA Based Predictive Current Controller for Four-leg DSTATCOM in Electric Distribution System	IET Generation, Transmission & Distribution	IET
28.	Dheepan Chakkravarthy, Akhil, Venkatraman, K., Selvan, M.P., and Moorthi, S	Performance analysis of FPGA controlled four leg DSTATCOM for multifarious load compensation in electric distribution system	Engineering Science and Technology, an International Journal	Elsevier
29.	Kiran Kumar, N., Venkatraman, K. and Md. Asif	Harmonic cancellation in a Multi-level Inverter Configuration Suitable for PV Applications	IJET	-
30.	N. Karuppiah, S. Muthubalaji, S. Ravivarman, Md. Asif, Abhishek Mandal	Enhancing the performance of Transmission Lines by FACTS Devices using GSA and BFOA Algorithms	International Journal of Engineering & Technology	-
31.	N. Karuppiah, S. Senthil Kumar, S. Ravivarman, P. Joel Joshuva, A. Prabhu, R. Arun Kumar	Wastage Pay Smart Bin. International Journal of Engineering & Technology	IJET	-
32.	Murugaperumal Krishnamoorthy, P. Ajay D. Vimal Raj, S. Suresh and Karuppiah Natarajan	Techno Economic Analysis of Hybrid Renewable Electrification System in Different Climatic Zones	Emerging Trends in Electrical, Communications, and Information Technologies, Lecture Notes in Electrical	-

			Engineering 569, © Springer Nature Singapore	
33.	B. Raja Gopal Reddy, N. Karuppiah, Dubbaka Vinay Kumar Goud, and Samudrala Prashant Ganesh	Adaptive NMPC Controller for Two-Link Planar Manipulator with Parameter Estimator	Springer Nature Switzerland AG 2020	-
34.	M. Ravindran, S. Senthil Kumar, N. Karuppiah and M. Asokan	Experimental Investigation on Room Temperature Vulcanised Silicone rubber and Epoxy resin coated porcelain outdoor insulators located at highly polluted environment	Journal of Ceramic Processing Research.	-
35.	A. Radhika, A. Shunmugalatha, N. Karuppiah, M. Devaki	Mitigation of Power Quality Issues using PV- UPQC and MTG - UPQC in a Distribution system	Journal of Electrical Engineering, no. 4, 2020	-
36.	Karuppiah Natarajan, B. Praveen Kumar, Vankadara Sampath Kumar	Fault Detection of Solar PV system using SVM and Thermal Image Processing	INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH	-
37.	Karuppiah Natarajan, Muthubalaji Sankaramoorthy, Anand Rajkumar	Controlling the Power loss in radial distribution network by optimally placing UPQC through reconfiguration using Evolutionary Algorithms	International Journal of Pure and Applied Mathematics	-
38.	J. SHANMUGAPRIYAN, N. KARUPPIAH, S. MUTHUBALAJI, and S. TAMILSELVI	Optimum placement of multi type DG units for loss reduction in a radial distribution system considering the distributed generation suitability index	BULLETIN OF THE POLISH ACADEMY OF SCIENCES TECHNICAL SCIENCES	-

		using evolutionary algorithms		
39.	Ravivarman Shanmugasundaram, Natarajan Karuppiah, Rajagopal Reddy B	Non-isolated Modified Quadratic Boost Converter with Midpoint Output for Solar Photovoltaic Applications	E3s web of conferences, 87, 01025, SeFet 2019.	-
40.	R. Anand, S. Muthubalaji, N. Karuppiah, G. Devadasu	Performance Enhancement Analysis of 7-Level Symmetric Multilevel Inverter with Multi- Carrier Pulse Width Modulation	Jour of Adv Research in Dynamical & Control Systems	-
41.	S. Muthubalaji, N. Karuppiah, R. Anand	Performance Improvement of Distribution System by Optimal Placement and Sizing of Distributed Energy Storage Systems and DGS Using Particle Swarm Optimization Algorithm	Jour of Adv Research in Dynamical & Control Systems	-
42.	S. Muthubalaji, R. Anand, N. Karuppiah	An Integrated Optimization approach to locate the D- STATCOM in Power Distribution system to reduce the power loss and Total Cost	Periodicals of Engineering and Natural Sciences	-
43.	S. Tamilselvi, N. Karuppiah, S. Muthubalaji	Design of an efficient Battery Model using Evolutionary Algorithms.	Periodicals of Engineering and Natural Sciences	-

Conference Details:

S. No	Date of Presentation	Faculty Name(s)	Title of the Paper	Name of the Conference
1.	13-09-2019	Harish Balaga, Marrapu Deepthi	Customized hidden layered ANN Based Pattern Recognition Technique for Differential Protection of Power Transformer	11 th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2019) held in Hyderabad, India

2.		Tamilselvi S, Karuppiah N, Rajagopal Reddy B	Capacity Fade Modeling of Li-ion Battery using Evolutionary Algorithm	E3s web of conferences
3.		Ravivarman Shanmugasundaram, Natarajan Karuppiah, Raja Gopal Reddy B	Non-isolated Modified Quadratic Boost Converter with Midpoint Output for Solar Photovoltaic Applications	1st International Conference on Sustainable Energy and Future Electric Transportation (SeFet 2019)