

JOURNALS 2016-2019

Sl.No	Year	Authors	Title	Journal details
1.	2019	Chandrasekar Venkatesan, C.Nagamani C.Manickam, M.J.Reddy, G. S Ilango	Enhanced power output from the PV with low input ripple dc-dc converter	Electric Power Components and Systems
2.	2019	Dheepanchakkravarthy, A., Selvan, M.P. S. Moorthi	Alleviation of Current Quality Issues Caused by Electric Arc Furnace Load in Power Distribution System Using 3- Phase Four-Leg DSTATCOM	Journal of the Institution of Engineers (India) - Series B 100 9-22s
3.	2019	N Hemavathi, M Meenalochani, S Sudha	Influence of Received Signal Strength on Prediction of Cluster Head and Number of Rounds	IEEE Transactions on Instrumentation and Measurement
4.	2019	M.Meenalochani S. Sudha	Jammed Node Detection and Routing in a Multihop Wireless Sensor Network Using Hybrid Techniques	Wireless Personal Communications, Springer,104(2), 663–675.
5.	2019	M.Meenalochani S. Sudha	Range based localization of a Wireless Sensor Network using Jaya Algorithm	IET Science, Measurement & Technology
6.	2019	D. Umamaheswari S. Sudha	Node Degree Based Energy Efficient Two- Level Clustering for Wireless Sensor Networks,	Wireless Personal Communications, Springer,104(3), 1209-1225.
7.	2018	B. Bijukumar, A.G.K. Raam, G.S. Ilango, C. Nagamani, M. J. Reddy	MPPT algorithm for Thermo electric generators based on parabolic extrapolation	IET Generation, Transmission & Distribution 1751-8687
8.	2018	B. Pradeep Kumar, G.S. Ilango, M. Jaya Bharatha Reddy, C. Nagamani	Online Fault Detection and Diagnosis in Photovoltaic Systems Using Wavelet Packets	IEEE Journal of Photovoltaics, vol.8, no.1, pp. 257-265
9.	2018	B.Bijukaumar, A.G.K. Raam , G.S. Ilango, C. Nagamani	A Linear Extrapolation - Based MPPT Algorithm for Thermo electric Generators Under Dynamically Varying Temperature Conditions	IEEE Transactions on Energy Conversion Vol: 33 , Issue: 4, 1641 – 1649

10.	2018	S. Priyavarthini, C.Nagamani, G.S.Ilango, M.A. Asha Rani	An improved control for simultaneous sag/swell mitigation and reactive power support in a grid-connected wind farm with DVR	Electrical Power and Energy Systems, Elsevier vol.101, pp. 38-49
11.	2018	S Priyavarthini, Aravind C. K C. Nagamani, G. S Ilango	PV-fed DVR for simultaneous real power injection and sag/swell mitigation in a wind farm	IET Power Electronics Vol.11, issue 14, 2385– 2395
12.	2018	Anand I, Senthilkumar Subramaniam Dipankar Biswas Kaliamoorthy M	Dynamic Power Management System employing single stage Power Converter for Standalone Solar PV Applications	IEEE Transactions on Power Electronics 33 10352 - 10362
13.	2018	Akbarali, M.S., Subramaniam, S.K. Natarajan, K. J.	Real and Reactive Power Control of SEIG Systems for Supplying Isolated DC Loads	Inst. Eng. India Ser. B 99 587– 595
14.	2018	Gurusamy Madhusudanan, Subramaniam Senthilkumar, I. Anand, Padmanaban Sanjeevikumar	A shade dispersion scheme using Latin square arrangement to enhance power production in a Solar photovoltaic array under partial shading conditions	Journal of Renewable and Sustainable Energy 10
15.	2018	Dheepanchakkravarthy, A., Akhil, S., Venkatraman, K., Selvan, M.P. and S. Moorthi	Performance Analysis of FPGA Controlled Four-leg DSTATCOM for Multifarious Load Compensation in Electric Distribution System	Engineering Science and Technology, an International Journal 21 692- 703
16.	2018	R. Ramya and S. Moorthi	Modeling and Simulation of Frequency Response Masking FIR Filter Bank using Approximate Multiplier for Hearing Aid Application	Advances in System Science and Applications, an International Journal 18 74-91
17.	2018	Nikhil K.A., P. Bharat Chandra, M.R. Jawahar, S. Moorthi, M.P. Selvan and N. Kumaresan	FPGA-based closed-loop monitoring and control of doubly fed induction generator with single inverter and battery for wind energy conversion	Australian Journal of Electrical and Electronics Engineering, in press
18.	2018	P. Gopakumar, M. Jaya Bharata Reddy and D. K. Mohanta	Phasor Measurement Sensor Based Angular Stability Retention System for Smart Power Grids with High Penetration of Microgrids	IEEE Sensors Journal, Vol. 18, no.2, pp.764-772, Jan. 2018.

19.	2018	B. Pradeep Kumar, G. S Ilango, M. Jaya Bharatha Reddy, C.N. Nagamani	Online Fault Detection and Diagnosis in Photovoltaic Systems Using Wavelet Packets	IEEE Journal of Photovoltaics, Vol. 8, no.1, pp. 257-265, Jan. 2018.
20.	2018	Soham Dutta, P.K. Sadhu, M.Jaya Bharata Reddy and D.K. Mohanta	Shifting of Research Trends in Islanding Detection Method - A Comprehensive Survey	Protection and Control of Modern Power Systems (Springer publication), Vol.3, no.1, pp. 1-20, Jan 2018.
21.	2018	Diptak Pal, Rounak Meyur, Santhosh Menon, M Jaya Bharata Reddy and D K Mohanta	Real Time Condition Monitoring of Substation Equipment Using Thermal Cameras	IET Generation Transmission & Distribution, Vol. 12, no. 4, pp. 895-902, Feb 2018.
22.	2018	N A. Sundaravaradan, M. Jaya Bharata Reddy and D. K. Mohanta	How is Earthing done?	IEEE Potentials, Vol. 37, no. 2, pp. 42-46, March-April 2018.
23.	2018	P Rajaraman, N.A Sundaravaradan, B. Mallikarjuna, M. Jaya Bharata Reddy and D.K Mohanta	Robust Fault Analysis in Transmission Lines Using Synchrophasor Measurements	Protection and Control of Modern Power Systems (Springer Publication), Vol.3, no.14, pp. 1-13, April2018.
24.	2018	B. Mallikarjuna, D. Chatterjee, M. Jaya Bharata Reddy and D.K Mohanta	Real-Time Wide-Area Disturbance Monitoring and Protection Methodology for EHV Transmission lines	INAE letters (Springer Publication), Vol. 3, no.2, pp. 87-106, 2018.
25.	2018	B. Mallikarjuna, P. Shanmukesh, D. Anmol, M. Jaya Bharata Reddy and D.K Mohanta	PMU based adaptive zone settings of distance relays for protection of multi-terminal transmission lines	Protection and Control of Modern Power Systems (Springer Publication), Vol.3, no.12, pp. 1-15, May 2018.
26.	2018	P.Gopakumar, B. Mallikarjuna, M. Jaya Bharata Reddy and D.K Mohanta	Remote Monitoring System for Real Time Detection and Classification of Transmission Line Faults in a Power Grid using PMU Measurements	Protection and Control of Modern Power Systems (Springer Publication), Vol.3, no.16, pp. 1-10, 2018
27.	2018	K. Thirumala, A. Kanjolia, T. Jain, A. C. Umarikar	Empirical Wavelet Transform and Dual Feed Forward Neural Network for Classification of Power Quality Disturbances	Int. Journal of Power and Energy Conversion 2018 (accepted)

28.	2018	M. Sahoo and S. Keerthipati	A Fault tolerant three level boost inverter with reduced source and LC Count	IET Power Electronics vol. 11, no. 2 399-405
29.	2018	B. P. Reddy; M. R. A ; M. Sahoo;S. Keerthipati	A Fault Tolerant Multilevel Inverter for Improving the Performance of PolePhase Modulated NinePhase Induction Motor Drive	IEEE Transactions on Industrial Electronics vol. 65, no. 2 1107- 1116
30.	2018	A. B. Shitole, Shelas Sathyan, H. M. Suryawanshi, G. G. Talapur, P. Chaturvedi	Soft Switched High Voltage Gain Boost Integrated Flyback Converter Interfaced Single-Phase Grid Tied Inverter for SPV Integration	IEEE Transactions on Industry Applications 54 482-493
31.	2018	H. M. Suryawanshi, S. Pachpor, T. Ajmal, G. G. Talapur, Shelas Sathyan, M. S. Ballal, V. B. Borghate, M. R. Ramteke	Hybrid Control of High Efficient Resonant Converter for Renewable Energy System	IEEE Transactions on Industrial Informatics 14 1835- 1845
32.	2018	Shelas Sathyan, H. M. Suryawanshi, A. B. Shitole, M. S. Ballal, and V. B. Borghate	Soft Switched Interleaved DC/DC Converter as frontend of Multi Inverter Structure for Micro Grid Applications	IEEE Transactions on Power Electronics Accepted and in Press
33.	2017	Senthil Kumar Murugan, Sishaj P Simon, Kinattingal Sundareswaran, P. Srinivasa Rao Nayak, Narayana Prasad Padhy	An Empirical Fourier Transform-Based Power Transformer Differential Protection	IEEE/Power Delivery Vol. No. 32,Issue.1 209 - 218
34.	2017	C. H. Ram Jethmalani, Sishaj P Simon, Kinattingal Sundareswaran, P. Srinivasa Rao Nayak, Narayana Prasad Padhy	Auxiliary Hybrid PSO-BPNNBased Transmission System Loss Estimation in Generation Scheduling	IEEE/ Industrial Infomatics/ Vol. No.13, Issue. 4 1692 - 1703
35.	2017	VRR Rudraraju, C Nagamani, G. S Ilango	A Control Strategy for Reliable Power Output From a Standalone WRIG With BatterySupported DC Link	IEEE Transactions on Power Electronics 32 (6), 4334- 4343
36.	2017	MAA Rani, C Nagamani, G. S Ilango	Compensation of Magnetizing Current for Enhanced Operation of DFIG Under Grid Unbalance	IEEE Transactions on Power Electronics 32 (7), 5214- 5226

37.	2017	M.P. Sruthi, C. Nagamani G. S Ilango	An improved algorithm for direct computation of optimal voltage and frequency for induction motors	Engineering Science and Technology, International Journal, Elsevier vol. 20, , pp. 1439-1449.
38.	2017	B.Indu Rani, CK Aravind, C Manickam, J Guerrero, G.S. Ilango, C. Nagamani	Performance evaluation of Type-3 PLLs under wide variation in input voltage and frequency	IEEE Journal of Emerging and Selected Topics in Power Electronics vol.5, no.3, pp. 4971-981
39.	2017	M Lakshmanan, S Rao, N Sivakumaran, G.S. Ilango, C. Nagamani	A control Strategy to enhance the Life Time of the Battery in a Stand-alone PV System with DC Loads	IET Power Electronics Vol.10, issue 9, 28 July 2017, pp. 1087 – 1094
40.	2017	C Manickam, GP Raman, GR Raman, G.S. Ilango, C. Nagamani	Fireworks enriched P&O algorithm for GMPPT and detection of partial shading in PV systems	IEEE Transactions on Power Electronics 32 (6), 4432- 4443
41.	2017	Sumedha Mahajana Senthil Kumar Subramaniama Kumaresan Natarajana Ammasai Gounden Nanjappa Goundera Devendra VarmaBorru	Analysis and control of induction generator supplying standalone AC loads employing a Matrix Converter	Engineering Science and Technology, and International Journal 20 649-661
42.	2017	Krishnan Arthishri Kumaresan Anusha Natarajan Kumaresan Subramaniam Senthil Kumar	Simplified methods for the analysis of selfexcited induction generators	IET Electric Power Applications 11 1636 - 1644
43.	2017	Venkatraman, K., Selvan, M.P., Moorthi, S., Raja, P. & Deepa Kurup	Predictive Current Control of DSTATCOM for VAR Compensation of Grid Connected Wind Farms	Journal of Renewable and Sustainable Energy 1 1941-7012
44.	2017	Venkatraman, K., Moorthi, S., Selvan, M.P. and Raja, P	A Comprehensive Embedded Solution for Data Acquisition and Communication using FPGA	Journal of Applied Research and Technology, Elsevier 15 45-53
45.	2017	M. Jaya Bharata Reddy, Rounak Meyur, Diptak Pal, C. Krantikumar and D.K. Mohanta	An Online GIS-Based Condition Monitoring System for 11 kV Distribution Line Insulators	IEEE Electrical Insulation Magazine, Vol. 33, no. 3, pp.26-32, May 2017.

46.	2017	Umesh K. Shinde, Sumant G. Kadwane, S. P. Gawande, M. Jaya Bharata Reddy and D.K. Mohanta,	Sliding Mode Control of Single-Phase Grid-Connected Quasi-Z-Source Inverter	IEEE Access, Vol.5, pp. 10232 – 10240, June 2017.
47.	2017	S.P. Jainaveen, M. Jaya Bharata Reddy and D.K. Mohanta	Automatic License Plate Detection using Adaptive Neuro Fuzzy Inference System and Wavelet Packets	Australian Journal of Multi-Disciplinary Engineering (Taylor & Francis Publications), Vol.13, no.1, pp. 2-17, Oct 2017.
48.	2017	B. Mallikarjuna, P.V. Vardhan Varma, S. D. Samir Kumar, M. Jaya Bharata Reddy and D.K. Mohanta	An Adaptive Supervised Wide-Area Backup Protection Scheme for Transmission Lines Protection	Protection and Control of Modern Power Systems (Springer publication), Vol.2, no.22, pp. 1-16, Dec 2017.
49.	2017	Diptak Pal, B. Mallikarjuna, R. Jayakumar Reddy, M. Jaya Bharata Reddy and D.K. Mohanta	Synchrophasor Assisted Adaptive Relaying Methodology to Prevent Zone-3 Mal-operation During Load Encroachment	IEEE Sensors Journal, Vol.17, no.23, pp. 7713-7722, Dec 2017.
50.	2017	Vivek Mohan, R. Suresh, J. G. Singh, W. Ongsakul and N. Madhu	Microgrid Energy Management Combining Sensitivities, Interval and Probabilistic Uncertainties of Renewable Generation and Loads	IEEE Journal on Emerging and Selected Topics in Circuits and Systems 7 262-270
51.	2017	Vivek Mohan, Jai Govind Singh, Weerakorn Ongsakul	Sortino Ratio Based Portfolio Optimization Considering EVs and Renewable Energy in Microgrid Power Market	IEEE transactions on Sustainable energy 8 219-229 Jan 2017
52.	2017	M. Sahoo and S. Keerthipati	A Three-Level LC Switching-Based Voltage Boost NPC Inverter	IEEE Transactions on Industrial Electronics vol. 64, no. 4 2876- 2883
53.	2017	Shelas Sathyan, H. M. Suryawanshi, M. S. Ballal and A. B. Shitole	Low switching stress DCDC converter with capability of high voltage gain for low voltage energy sources	European Power Electronics and Drives Journal (EPE), Taylor & Francis 27 74-84
54.	2017	A. B. Shitole, H. M. Suryawanshi, G. G. Talapur, Shelas Sathyan, M. S. Ballal, V. B. Borghate, M. Ramteke, and M. Chaudhari	Grid Interfaced Distributed Generation System with Modified Current Control Loop using Adaptive Synchronization Technique	IEEE Transactions on Industrial Informatics 13 2634 - 2644

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56.	2016	R Hariharan, M.Chakkarapani, G.S. Ilango, C. Nagamani	A method to detect photovoltaic array faults and partial shading in PV systems	IEEE Journal of Photovoltaics 6 (5), 1278- 1285
57.	2016	C Manickam, GR Raman, GP Raman, G.S. Ilango, C. Nagamani	A hybrid algorithm for tracking of GMPP based on P&O and PSO with reduced power oscillation in string inverters	IEEE Transactions on Industrial Electronics 63 (10), 6097- 6106
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59.	2016	Venkata Rama Raju Rudraraju C. Nagamani, G. S Ilango	A Simple Copper Loss Minimization Control Algorithm for a Grid Connected SCIG through Indirect Flux Optimization	Taylor & Francis, Electric Power Components and Systems, 44 (3), 324- 335.
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61.	2016	M. A. Asha Rani, C. Nagamani, G. S Ilango	A Natural Flux Minimization Technique for Enhanced Operation of DFIG	IET Electric Power Applications, 10 (6), 467- 476
62.	2016	MAA Rani, C Nagamani, G.S Ilango	An improved rotor PLL (R-PLL) for enhanced operation of doubly fed induction machine	IEEE Transactions on Sustainable Energy 8 (1), 117- 125
63.	2016	V.Nayanar, N. Kumaresan and N. Ammasai Gounden	A Single Sensor Based MPPT Controller for Wind-Driven Induction Generators Supplying DC Microgrid	IEEE Trans. Power Electronics, Vol. 31, No. 2, pp. 161 – 172, 2016. (SCI – 1548 - 9387)
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67.	2016	Dwijasish Das, N. Kumaresan, V. Nayanar, K. Navin Sam and N. Ammasai Gounden	Development of BLDC Motor Based Elevator System Suitable for DC Microgrid	IEEE / ASME Transactions on Mechatronics, Vol. 21, No. 3, June 2016, pp.1552-1560. (SCIE indexed: ISSN: 1083-4435).
68.	2016	P Muthuvel, SA Daniel, DG Yazhini	Retrofitting domestic appliances for PV powered Nano Grid and its impact on net zero home in rural India.	Engineering science and Technology, an international journal,19(4),1836-1844
69.	2016	Chithra D Gracia, S.Sudha	ART2 Clustering of Multiple web objects for qualitative web Prefetching	Journal of Applied Artificial Intelligence, Taylor and Francis Vol.30, Issue 5 pp.475- 493, 2016 0.606
70.	2016	Chithra D Gracia, S.Sudha	Adaptive clustering of embedded multiple web objects for efficient group prefetching	Journal for Science and Engineering, Springer pp 1-10 2016 0.728
71.	2016	Hemavathi.N, Sudha S	A Novel Regression based Clustering Technique for Wireless Sensor Networks	Journal of Wireless Personal Communications, Springer.
72.	2016	V. Nayanar, N. Kumaresan, and N. Ammasai Gounden	Wind-driven SEIG supplying DC microgrid through a single-stage power converter	Vol.19, issue.3, August 2016, pp.1600-1607, Engineering Science and Technology, an International Journal (ISSN: 2215-0986)
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76.	2016	Sarojini Mary Samikannu, Rakesh Namani, Senthil Kumar Subramaniam	Power enhancement of partially shaded PV arrays through shade dispersion using magic square configuration	Journal of Renewable and Sustainable Energy 8
77.	2016	Venkatraman, K., Moorthi, S. and Selvan, M.P	Modelling and Control of Transformer-less Universal Power Quality Conditioner (TUnPQC): An Effective Solution for Power Quality Enhancement in Distribution System	Journal of Control, Automation and Electrical Systems, Springer, 2016 In Press, SCImago Indexed ISSN: 2195-3899
78.	2016	Venkatraman, K., Dastagiri Reddy, B., Selvan, M.P., Moorthi, S., Kumaresan, N. and Ammasaigounden, N.	Online Condition Monitoring and Power Management System for Standalone Micro-grid using FPGAs	IET Generation, Transmission and Distribution, 2016, In Press, SCI Indexed ISSN: 1751-8687
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81.	2016	M. Senthil kumar, Sishaj P Simon, P. Srinivasa Rao Nayak, K. Sundareswaran and Narayana Prasad Padhy	Power Transformer Protection using Chirplet Transform	IET Gen. Trans. Dist., 10 2520- 2530
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