

List of Publications

1. P Priyadharshini, P Usha Rani , “Analysis on DVR Based on the Classification of Converter Structure and Compensation Schemes”, - Advances in Smart Grid Technology, 2020, Springer, Singapore, pp 175-188.
2. R Rajasekaran, P Usha Rani, “Bidirectional DC-DC converter for microgrid in energy management system”, International Journal of Electronics, pp 1-22, 2020.
3. Ramya M, Usha Rani P, “Neural network controller based sequential switch cascaded H-bridge multilevel inverter”, International Journal of Engineering & Technology UAE ISSN: 2227-524X, Vol.7, Issue. 2.8,pp 592-598, 2018.
4. HM. Panchaksharaiah Swamy R Hariharan , Dr.P.Usha Rani, Ravi Raju. A, “Transmission shortest path using cuckoo search algorithm considering Black-start generators”, International Journal of Pure and Applied Mathematics, Vol. 119, Issue. 12, pp 15945-15956, 2018.
5. S Saravanan, P Usha Rani, R Selvamanikandan, “Simulation and Modeling of soft switching Sepic converter for solar PV applications”, International Journal of Pure and Applied Mathematics, Vol. 120, Issue. 6,pp 1853-1869, ISSN: 1314-3395, 2018.
6. R Hariharan, P Usha Rani, PM Kannan, “Sustain the Critical Load in Blackout Using Virtual Instrumentation”, - Intelligent and Efficient Electrical Systems, 2018, Springer, Singapore, pp 77-88.
7. Mahalingam Ramya, P Usha Rani, “Asymmetrical Cascaded Twenty Seven level Inverter ,based STATCOM”, Rev. Roum. Sci. Techn.–Électrotechn. etÉnerg, Vol. 62, Issue.4,pp 411-416, 2017.
8. R Hariharan, P Usha Rani, “Optimal generation Start-Up strategy for Blackout Restoration Using Virtual Instrumentation”, Indian Journal of Public Health Research & Development, Vol.8, Issue.4,pp 1128-1132, 2017.
9. T Shamini, P Usha Rani, “Modeling and Simulation of Maximum Power Point Tracker based SEPIC Converter”, Power Electronics, Vol.18, Issue.3, pp 717-724, 2017.
10. Usha Rani, “ Voltage Sag Compensation Method for Z Source Impedance Based Interline Dynamic Voltage Restorer”, International Journal of Emerging Engineering Research and Technology, Vol.5, Issue. 6, pp 14-19, 2017.

11. R. Hariharan and P. Usha Rani, “ GRAPH THEORY BASED POWER SYSTEM RESTORATION USING LABVIEW”, ARPN Journal of Engineering and Applied Sciences, Vol.11, Issue.16,pp 10077-10080, ISSN 1819-6608, 2016.
12. P.Usha Rani , R.Hariharan, “A Complete Restoration Methodology using Virtual Instrumentation”, International journal of control theory and application, Vol.9,Issue.2,pp 683-686, 2016.
13. P.Usha Rani , R.Hariharan, “Optimal Allocation Distributed generation using Artificial Bee colony Algorithm by Etab”, Journal of Chemical and Pharmaceutical Sciences, special issue -5, pp 231-233, 2016.