

Dr.B.V.MANIKANDAN

PUBLICATION LIST FOR THE LAST FIVE YEARS

1. Dr.B.V.Manikandan, Dr.V.Jayasankar and Dr.S.Rajesh Babu, "Study on suitability of controllers for D-STATCOM for enhancing Power Quality ", Solid State Technology , Vol.63, Issue.2, pp.745-756, 2020 (SCOPUS / UPDATED LIST of AU)
2. Dr.S.Rajesh Babu, and Dr.B.V.Manikandan, "Power Quality events classification using Walsh Transform and Enactment of various Classifiers", Solid State Technology , Vol.63, Issue.2, pp.723-734, 2020 (SCOPUS / UPDATED LIST of AU)
3. Dr.K.Banumalar and Dr.B.V.Manikandan, "Optimized Power Generation using Clustered Gravitational Search Algorithm", International Energy Journal , Vol.18, Issue.2A, pp.241-246, August-2020 (ESCI / SCOPUS Indexed))
4. Dr.B.V.Manikandan and Dr.S.T.Jaya Christa, "Novel method of determining Transmission Congestion Cost under Restructured Power System Environment", International Journal of Advanced Science and Technology, Vol.29, Issue.7, pp.1289-1297, April-2020 (SCOPUS Indexed)
5. Mr.A.Marikkannan, Dr.B.V.Manikandan and K.Mahesh Kumar, "ZVS Asymmetrical PWM Full Bridge High Voltage gain DC-DC Converter controlled by ANFIS for Energy Harvesting Applications," Journal of Control Engineering and Applied Informatics, Vol.21, Issue.4, pp.51-58, November -2019 (SCI / SCOPUS Indexed)
6. Mr.S.Arockiaraj, Mr.S.Sundara Mahalingam and Dr.B.V.Manikandan, "A Reversible Data Hiding Technique Using Histogram Modification and SMVQ for Very Large Payloads", International Journal of Recent Technology and Engineering (IJRTE) , Vol.7, Issue.5C, pp.206-212, April-2019 (SCOPUS Indexed)
7. Mr.S.Sundara Mahalingam, Dr.B.V.Manikandan and Mr.S.Arockiaraj, "Review – Micromagnetic Simulation Using OOMMF and Experimental Investigations on Nano Composite Magnets", IOP Conf. Series: Journal of Physics: Conf. Series, Vol.1172, pp.1-11, March-2019 (SCOPUS Indexed)
8. Mr.S.Sundara Mahalingam, Mr.S.Arockiaraj and Dr.B.V.Manikandan, "Labview Based Brick Laying Robot", Journal of Advance Research in Dynamical and Control Systems, Vol.11, Issue.1, pp.255-260, February-2019 (SCOPUS Indexed)
9. Mr.B.Meenakshisundaram, Dr.B.V.Manikandan, Mr.B.Praveenkumar and Dr.D.Prince Winston, "Combination of Novel Converter Topology and

Improved MPPT Algorithm for Harnessing Maximum Power from Grid Connected Solar PV Systems", Journal of Electrical Engineering and Technology, Vol.14, pp.733-746, January-2019 (SCI / SCOPUS Indexed)

10. Mr.S.Rajesh Babu and Dr.B.V.Manikandan, "Detection and classification of power quality events by expert system using analytic hierarchy method", Cognitive Systems Research - Elsevier, Vol.52, pp.729-740, September-2018 (SCI / SCOPUS Indexed)
11. Dr.K.Banumalar, Dr.B.V.Manikandan and Mr.S.Sundara Mahalingam, "Economic Dispatch Problem Using Clustered Firefly Algorithm for Wind Thermal Power System", Communications in Computer and Information Science-Springer, Vol.844, Issue.19, pp.37-46, September-2018 (SCOPUS Indexed)
12. Mr.S.Arockiaraj, Dr.B.V.Manikandan and Mr.B.Sakthisudhursun, "Intensive Analysis of Sub Synchronous Resonance in a DFIG Based Wind Energy Conversion System (WECS) Connected with Smart Grid", Communications in Computer and Information Science-Springer , Vol.844, Issue.19, pp.242-253, September-2018 (SCOPUS Indexed)
13. Mr.S.Arockiaraj, Mr.B.Sakthisudhursun and Dr.B.V.Manikandan, "Investigation of High Voltage Gain DC-DC Converter using Passive Clamp Network for Renewable Energy Sources", International Journal of Pure and Applied Mathematics , Vol.120, Issue.6, pp.10983-11000, August-2018 (SCOPUS Indexed)
14. Dr.K.Banumalar, Dr.B.V.Manikandan and Dr.Chandrasekaran K, "Optimal Sizing and Placement of Solar Cell Distributed Generator Suitable for Integrated Power System Environment", Technical Gazette, Vol.25, Issue.4, pp.1044-1051, August-2018 (SCI / SCOPUS Indexed)
15. Dr.K.Banumalar, Dr.B.V.Manikandan, Dr.K. Arul Jeyaraj and Dr.K.Chandrasekaran, "Optimal placement of phasor measurement units using clustered gravitational search algorithm", Journal of Intelligent & Fuzzy Systems, Vol.34, Issue.6, pp.4315-4330, June-2018 (SCI / SCOPUS Indexed)
16. Mr.K.Premkumar, Dr.B.V.Manikandan and C.Ageeskumar, "Antlion Optimized Fuzzy PID Supervised on-line Recurrent Fuzzy Neural Network based Controllers for Brushless DC Motor", Electric Power Components and Systems, Vol.45, Issue.20, pp.2304-2317, March-2018 (SCI / SCOPUS Indexed)
17. Mr.A.Marikkannan and Dr.B.V.Manikandan, "Fuzzy Controlled ZVS Asymmetrical PWM Full-bridge DC-DC Converter for Constant load High Power Applications," Journal of Electrical Engineering and Technology, Vol.12, Issue.3, pp.1235-1244, May-2017 (SCI / SCOPUS Indexed)

18. Mr.B.Meenakshi Sundaram, Dr.B.V.Manikandan and M.Kaliamoorthy, "Simulation of FPGA controlled single phase Boost Inverter for the applications of Grid connected Photovoltaic system", Simulation: Transactions of the Society for Modeling and Simulation International , Vol.93, Issue 12, pp.1087-1097, June-2017 (SCI / SCOPUS Indexed)
19. Dr.K.Banumalar, Dr.B.V.Manikandan and Dr.Chandrasekaran K, "Firefly algorithm with multiple workers for the power system unit commitment problem", TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES , Vol.24, pp.4773-4789, December-2016 (SCI / SCOPUS Indexed)
20. Mr.B.Meenakshi Sundaram, Dr.B.V.Manikandan and Mr.H.Habeebullah Sait, "Intelligent-Based Maximum Power Extraction on Grid-Integrated Multilevel Inverter-Fed Wind-Driven Induction Generators", Circuits and Systems , Vol.7, pp.2551-2567, August-2016
21. Dr.K.Banumalar, Dr.B.V.Manikandan and Dr.Chandrasekaran K, "RELIABILITY AND SECURITY CONSTRAINED UNIT COMMITMENT PROBLEM FOR HYBRID POWER SYSTEM USING BI-LEVEL OPTIMIZATION TECHNIQUE", PAKISTAN JOURNAL OF BIOTECHNOLOGY , Vol.13, pp.58-64, May-2016 (SCOPUS Indexed)
22. Mr.K.Premkumar and Dr.B.V.Manikandan, "BAT algorithm optimized fuzzy PD based speed controller for brushless direct current motor", Engineering Science & Technology – An International Journal, Vol.19, Issue.2, pp.818-840, February-2016 (ESCI / SCOPUS Indexed)
23. Mr.K.Premkumar and Dr.B.V.Manikandan, "On-line Fuzzy Supervised learning of Radial Basis Function Neural network based Speed Controller for Brushless DC Motors", Lecture notes in Electrical Engineering – Springer Title- Power Electronics & Renewable Energy systems, Vol.326, pp.1397-1405, December-2015 (SCOPUS Indexed)
24. Dr.K.Banumalar, Dr.B.V.Manikandan and Dr.Chandrasekaran K, "Security Constrained Unit Commitment Problem Employing Artificial Computational Intelligence for Wind-Thermal Power System", Advances in Intelligent Systems and Computing, Springer, Singapore , Vol.412, pp.261-275, December-2015 (SCOPUS Indexed)
25. Mr.K.Premkumar and Dr.B.V.Manikandan, "Fuzzy PID supervised on-line ANFIS based Speed Controller for Brushless DC Motors", Neurocomputing, Vol.157, pp.76-90, July-2015 (SCI / SCOPUS Indexed)
26. Dr.K.Banumalar, Dr.B.V.Manikandan, Mr.Pranjal Pragya Verma and Dr.Chandrasekaran K, "Novel Optimal Dispatch Method to Hybrid Power

System Suitable for Competitive Power Market", Australian Journal of Basic and Applied Sciences, Vol.9, Issue.16, pp.28-35, May-2015 (SCOPUS Indexed)

27. Mr.K.Premkumar and Dr.B.V.Manikandan, "GA-PSO optimized online ANFIS based speed controller for Brushless DC motor", Journal of Intelligent & Fuzzy Systems , Vol.28, pp.2839-2850, April-2015 (SCI / SCOPUS Indexed)
28. Mr.K.Premkumar and Dr.B.V.Manikandan, "Speed control of Brushless DC motor using BAT algorithm optimized Adaptive Neuro-Fuzzy Inference system", Applied Soft Computing , Vol.32, pp.403-419, March-2015 (SCI / SCOPUS Indexed)