

Publications List of **Dr.M P Selvan (NIT,Trichy)** in the last 5 years

1. **Dr.M P Selvan** "Performance Evaluation of FPGA based Predictive Current Controller for Four-leg DSTATCOM in Electric Distribution Systems" IET Generation, Transmission and Distribution, Accepted for Publication, 2019. SCIE Indexed ISSN: 1751-8687
2. **Dr.M P Selvan**"Experimental Investigation on a New Hybrid System Employing Wind-Driven DFIG and Solar PV Panels", Journal of The Institution of Engineers (India): Series B, Springer, 2019, Available Online, Scopus Indexed ISSN: 2250-2106
3. **Dr.M P Selvan**"Effective algorithm for fault discrimination and estimation of fault location in transmission lines", IET Generation, Transmission and Distribution, 2019, Accepted for Publication. SCIE Indexed ISSN: 1751-8687
4. **Dr.M P Selvan** "Systematized Active Power Control of PMSG-Based Wind-Driven Generators", IEEE Systems Journal, 2019, Available Online . SCIE Indexed ISSN: 1932-8184
5. **Dr.M P Selvan**"Smart Load Node for Non-Smart Load under Smart Grid Paradigm", IEEE Consumer Electronics Magazine, Vol. 8, No. 2 March 2019, pp. 22-27, SCIE Indexed ISSN: 2162-2248
6. **Dr.M P Selvan**"Alleviation of Power 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, Springer, Vol. 100, No. 1, February 2019, pp. 9-22. Scopus Indexed ISSN: 2250-2106
7. **Dr.M P Selvan** "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, December 2018 (Online), Scopus Indexed ISSN: 2205-362X
8. **Dr.M P Selvan**"Smart Residential Energy Management System for Demand Response in Buildings with Energy Storage Devices", Frontiers in Energy June 2018 (Online). Scopus Indexed ISSN: 2095-1701
9. **Dr.M P Selvan**"Performance Analysis of FPGA Controlled Four-leg DSTATCOM for Multifarious Load Compensation in Electric Distribution System", Engineering Science and Technology, an International Journal, Elsevier, Vol. 21, No. 4, 2018, pp. 692 – 703. Scopus Indexed ISSN: 2215-0986
10. **Dr.M P Selvan**"Intelligent Residential Energy Management System for Dynamic Demand Response in Smart Buildings", IEEE Systems Journal, Vol. 12, No. 2, 2018, pp. 1329-1340. SCIE Indexed ISSN: 1932-8184
11. **Dr.M P Selvan** "A Modified Active Power Control Scheme for Enhanced Operation of PMSG based WGs", IEEE Transactions on Sustainable Energy, Vol. 9, No. 2, 2018, pp. 630-638. SCIE Indexed ISSN: 1949-3029
12. **Dr.M P Selvan** "Capability Evaluation of Four-leg DSTATCOM for Compensating Multifarious Loads", Australian Journal of Electrical and Electronics Engineering, December 2017 (Online), Scopus Indexed ISSN: 1448-837X
13. **Dr.M P Selvan**"Enhanced Method of Rotor Speed and Position Estimation of Permanent Magnet Synchronous Machine based on Stator SRF-PLL", Engineering Science and Technology, an International Journal, Elsevier, Vol. 20, No. 5, October 2017, pp. 1450 – 1459. Scopus indexed ISSN: 2215-0986
14. **Dr.M P Selvan**"Dynamic Demand Response in Smart Buildings using an Intelligent Residential Load Management System", IET Generation, Transmission and Distribution, Vol. 11, No. 17, 2017, pp. 4348-4357. SCIE Indexed ISSN: 1751-8687

15. **Dr.M P Selvan**“Predictie Current Control of DSTATCOM for VAR Compensation of Grid Connected Wind Farms”, Journal of Renewable and Sustainable Energy, March 2017, SCIE Indexed, ISSN: 1941-7012