

## **PUBLICATIONS OF Dr. M. SARAVANAN (From the Year 2015 to 2020)**

### **JOURNALS:**

1. O. Jeba Singh, D Prince Winston, B Chitti Babu, S Kalyani, B Praveen Kumar, M Saravanan, S Cynthia Christabel, 'Robust detection of real-time power quality disturbances under noisy condition using FTDD features', *Automatika - Journal for Control, Measurement, Electronics, Computing and Communications*, Vol. 60, Issue 1, pp. 11-18, Publisher-Taylor & Francis 2019.
2. M.S.Abdul Kareem, M.Saravanan, 'A novel modelling approach to predict the output performance of photovoltaic modules under different environmental conditions', *SAGE-Transactions of the society for modelling and simulation International*, DOI: 10.1177/0037549718761208, 2018.
3. Prince Winston, G.Sakthivel, M. Saravanan, 'Single Parameter Fault Identification Technique for Three Phase Induction Motor through Wavelet Analysis and Fuzzy Logic', *Journal of Electrical Engineering*, Vol.16, Edition 2, 2016.
4. SundarrajanVenkatesan, ManimaranSaravanan, 'Simulation and experimental validation of new MPPT algorithm with direct control method for PV application', *Journal of Renewable and Sustainable Energy*, Vol. 8, Issue 04, July 2016.
5. SundarrajanVenkatesan, Manimaran Saravanan, 'Modelling and simulation analysis of solar PV energy system with luu converter using state-space averaging technique', *International Journal of Advanced Engineering Technology*, Vol. 7, Issue 2, pp. 770-777, 2016.
6. M Saravanan, M.Shamily, 'Autonomous control of interlinking converter in hybrid PV-wind micro grid', *International Organization of Scientific Research Journal*, vol. 10, issue 1, pp. 20-26, 2015.
7. V Subramanian, SaravananManimaran, 'Design of Parallel-Operated SEPIC Converters Using Coupled Inductor for Load-Sharing', *Journal of Power Electronics*, vol. 15, issue 2, pp. 327-337, 2015.
8. Venkatanarayanan Subramanian, Saravanan Manimaran, 'Implementation of a Sliding Mode Controller for Single Ended Primary Inductor Converter', *Journal of Power Electronics*, vol. 15, issue 1, pp. 39-53, 2015.

### **Conferences**

1. R.V.Prathipa, M. Saravanan, 'Efficiency improvement in Bidirectional Grid Tied Converter', *National Conference on Emerging Technologies in Electrical Systems (NCETES'18)* April 2018.
2. P Malathi, M Saravanan, 'Power management in microgrid using PI controller tuned by particle swarm optimization', *IEEE Conference-2017 Innovations in Power and Advanced Computing Technologies (i-PACT)*, Pages 1-6. April 2017

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