

## **List of Publications of Dr. Jacob Raglend**

- 1] R Dharavath, IJ Raglend, "Intelligent Controller Based Solar Photovoltaic with Battery Storage System for Conditioning the Electrical Power", *Soft Computing for Problem Solving*, pp. 43-54, 2020.
- 2] IJ Raglend, R Dharavath, "Intelligent Controller Based Solar Photovoltaic with Battery Storage, Fuel Cell Integration For Power Conditioning", *International Journal of Renewable Energy Research (IJRER)* 9 (2), pp. 859-867, 2019.
- 3] MV Tejeswini, IJ Raglend, T Yuvaraja, BN Radha, "An Advanced Protection Coordination Technique for Solar In-Feed Distribution Systems", *Ain Shams Engineering Journal* 10 (2), pp. 379-388, 2019.
- 4] MV Tejeswini, J Raglend, SP Karthikeyan, "Protection Algorithm for PV Based Distribution Network", *Innovations in Power and Advanced Computing Technologies (i-PACT)*, Vol. 1, pp. 1-5, 2019.
- 5] AMM Abdel-Rahim, SA Shaaban, IJ Raglend, "Optimal Power Flow Using Atom Search Optimization", *Innovations in Power and Advanced Computing Technologies (i-PACT)*, Vol. 1, pp. 1-4, 2019.
- 6] R Dharavath, IJ Raglend, "Integration of Solar Photovoltaic with Battery Storage for Power Conditioning of Dynamic Loads", *Innovations in Power and Advanced Computing Technologies (i-PACT)*, Vol. 1, pp.1-6, 2019.
- 7] S Mehta, R Singhania, SP Karthikeyan, IJ Raglend, "A Study of Low Voltage Ride Through Simulations for Fully Rated Converter wind turbines for Pure and Hybrid systems", *Innovations in Power and Advanced Computing Technologies (i-PACT)*, Vol. 1, pp. 1-5, 2019.
- 8] A Gupta, A Panwar, SK Sahoo, IJ Raglend, "A CCM/DCM Hybrid Control Scheme for Single Channel Boost PFC Converter to Improve Power Quality", *Innovations in Power and Advanced Computing Technologies (i-PACT)*, Vol. 1, pp.1-5, 2019.
- 9] R Dharavath, IJ Raglend, "Integration of utility grid with hybrid generation for power quality conditioning using dynamic voltage restorer", *International Journal of Renewable Energy Research (IJRER)*, Vol. 9 (1), pp. 56-64, 2019.
- 10] K Vankadara, IJ Raglend, "A review to economic dispatch of hybrid microgrids", *Serbian Journal of Electrical Engineering*, Vol. 16 (2), pp. 233-246, 2019.
- 11] R Dharavath, IJ Raglend, "Grid Integration of Fuzzy-Based Solar Photovoltaic with Battery Storage System for Conditioning the Electrical Power", *Applications of Computing, Automation and Wireless Systems in Electrical Engineering*, 2019.

- 12] CC Kumar, IJ Raglend, "A Novel Crow Search based Strategy for Maximum Power Point Tracking of Wind Turbines Driven by Doubly Fed Induction Generator", International Journal of Simulation--Systems, Science & Technology, Vol.19 (6), 2018.
- 13] R Dharavath, IJ Raglend, SP Karthikeyan, JB Edward, "A Bibliographical Survey on Integration of Hybrid Renewable Energy Sources with Diesel Generator and Storage System", Journal of Engineering Science & Technology Review, Vol. 11 (5), 2018.
- 14] R Dharavath, IJ Raglend, "Fuzzy Controller Based Solar Photovoltaic System, Fuel Cell Integration for Conditioning the Electrical Power", Journal of Green Engineering, Vol. 8 (3), pp. 301-318, 2018.
- 15] R Dharavath, IJ Raglend, CV Ganesh, "Implementation of Current Control Technique In Grid Connected Solar Photovoltaic Systems for Power Quality Improvement", Journal on Electrical Engineering, Vol. 11 (4) , 2018.
- 16] R Ananthavijayan, SP Karthikeyan, IJ Raglend, JB Edward, KS Kumar, "Requirement Framework of Smart Grid Software Architecture", International Conference on High Voltage Engineering and Power Systems , 2017.
- 17] SE Peter, IJ Raglend, "Sequential Wavelet-ANN With Embedded ANN-PSO Hybrid Electricity Price Forecasting Model For Indian Energy Exchange", Neural Computing and Applications, Vol. 28 (8), pp. 2277-2292, 2017.
- 18] A Manmohan, A Prasad, R Dharavath, SP Karthikeyan, IJ Raglend, "Up and down conversion of photons with modified perturb and observe mppt technique for efficient solar energy generation", Energy Procedia Vol.117, pp.786-793, 2017.
- 19] A Manmohan, A Prasad, SP Karthikeyan, IJ Raglend, "An efficient DC grid based PV—wind power generation using modified P&O tracking technique", Innovations in Power and Advanced Computing Technologies (i-PACT), pp. 1-6, 2017.
- 20] AN Kumar, IJ Raglend, "Micro turbine starting and harmonic mitigation in distributed generation using active power filter" Innovations in Power and Advanced Computing Technologies (i-PACT), pp. 1-3, 2017.
- 21] R Dharavath, IJ Raglend, A Manmohan, "Implementation of Solar PV—Battery Storage With DVR For Power Quality Improvement", Innovations in Power and Advanced Computing Technologies (i-PACT), pp. 1-5, 2017.
- 22] R Dharavath, IJ Raglend, JB Edward, SA Shaaban, "Grid connected solar photovoltaic-fuel cell based hybrid system with dynamic voltage restorer" J. Adv. Res. Dyn. Control Syst Vol. 9 (8), pp. 09-17, 2017.
- 23] SF Stephen, IJ Raglend, "Voltage Regulation Using PI Control of STATCOM with Firefly Algorithm", International Journal of Mechanical Engineering and Technology Vol. 8 (8), 2017.

- 24] GJ Raglend, MD Anand, D Prabha, "Inverse kinematics solution of a five joint robot using narx algorithm" Journal of Chemical and Pharmaceutical Sciences , Vol.9 (4), pp. 2677-2687, 2016.
- 25] ASA Ghias, MD Anand, IJ Raglend, F Shamila, "Solution for a Five Link Industrial Robot Manipulator Inverse Kinematics Using Intelligent Prediction Response Method", Indian Journal of Science and Technology, 2016.
- 26] R Retnamony, IJ Raglend, "Determine the locational marginal price and social welfare maximization in a deregulated power system" International Conference on Circuit, Power and Computing Technologies, 2016.
- 27] R Retnamony, IJ Raglend, "N-1 Contingency analysis in a Congested power system and enhance the voltage stability using FACTS Devices" IJCTA 9 (7), pp. 3147-3157, 2016.
- 28] LJ Varghese, C KeziSelvaVijila, IJ Raglend, "A survey of modulation techniques for a series connected voltage source inverters", Int J Adv Engg Tech, Vol. VII, Issue II, pp. 571-581, 2016.