

## **PUBLICATION DETAILS OF PROPOSED DC MEMBERS**

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### **Journal Publications:**

1. Jayabarathi R and Devarajan N (2007), “ANN based dsPIC Controller for Reactive Power Compensation”, American Journal of Applied Sciences, Vol. 4, No. 7, pp. 508-515.
2. Jayabarathi R and Devarajan N (2006), “Optimal reactive locator and controller in distribution feeders using Genetic-Neuro techniques”, GESTS International Transactions, Korea, Vol. 32, No.1, pp. 195-205.
3. Aswathy K Rajan and Jayabarathi R (2013), “An embedded controller for remote reactive power compensation in a substation”, International Journal of Scientific Engineering and Research.
4. Aswathy M and Jayabarathi R (2014), “Low cost embedded system for voltage sag analysis”, International Journal of Computer Applications, Vol. 98, No. 14.
5. Akshay, Ram kumar and Jayabarathi R (2014), “Semi-autonomous under water surveillance robot”, International Journal of Electronic and Electrical Engineering, Vol. 7, No. 1, pp. 13-18.
6. Nageem R and Jayabarathi R (2017), “Predicting the Power Output of a Grid-Connected Solar Panel using Multi-Input Support Vector Regression”, Procedia Computer Science, 115, pp. 723-730.
7. Vyshnav Dhilip, Jayabarathi R and Supriya P, “Simulation circuit for constant current test for battery of Electric Vehicle”, International Science Press, pp. 187-194.
8. Neenu Thomas, Jayabarathi R and Nambiar T N P (2018), “A Novel passive islanding algorithm for grid interactive inverters with distributed photo voltaic systems”, Journal of Advanced Research in Dynamical and Control Systems, 10(3), pp. 632-639.

### **Conference Publications:**

1. Jayabarathi R, Sindhu M R, Devarajan N and Nambiar T N P (2006), “Development of a Laboratory Model of a hybrid Static VAR Compensator”, IEEE Power India Conference, New Delhi, April 2006.

2. Jayabarathi R, Sindhu M R and Uma Shyam Kumar (2005), "Reactive Power Compensation and Voltage Control in Radial Feeders - using Artificial Neural Network based controllers", International Conference on Intelligent Systems and Control, Kumaraguru College of Technology, Coimbatore, pp 383-388.
3. Aswathy M and Jayabarathi R (2014), "Conceptual model of a real Time Power Quality Analyzer", International Conference on Renewable Energy Technologies, Coimbatore Institute of Technology, Coimbatore.
4. Arya Sankary S and Jayabarathi R (2014), "Super-Capacitor Integrated Wind Energy Conversion System with Parallel Connected Chopper Topology for Wind Gust", Second National Conference on Power Electronics in Sustainable Energy Development (NCPSE 2014).
5. Aneeth T V and Jayabarathi R (2015), "Energy Efficient Communication in Wireless Sensor Network for Precision Farming", Joint International Conference on Communication, Computing and Power Technologies (ICCCPT 2015) and Artificial Intelligence and Evolutionary Computations in Engineering Systems, Springer Conference, 22-23 April 2015.
6. Jayabarathi R, Jisma M and Suyampulingam A (2016), "Unit Commitment using Embedded Systems", International Conference on Smart Grid Technologies, Elsevier Procedia Technologies, Amrita Vishwa Vidyapeetham, Coimbatore, Aug 6-8, 2015.
7. Reddy C Y , Krishnakanth V, Sanjay R, Krishna V N V and Jayabarathi R (2016), "Laboratory implementation of Automatic Voltage Regulator", Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy, PESTSE 2016.
8. Aneeth T V and Jayabarathi R, "Energy-efficient communication in wireless sensor network for precision farming", Advances in Intelligent Systems and Computing, 394, pp. 417-427.
9. Adarsh N K, Venkatesh R, Rengarajan S and Jayabarathi R (2018), "Simulation and implementation of FPGA controlled distributed solar generation for residential network", Asia-Pacific Power and Energy Engineering Conference (APPEEC 2017), pp. 1-5.
10. Raghavan S V and Jayabarathi R (2018), "Simulation and Analysis of Power Synchronization Control for Voltage Source Inverter", Recent Developments in Control, Automation and Power Engineering (RDCAPE 2017), pp. 348-353.
11. Neenu Thomas, Jayabarathi R and Nambiar T N P (2018), "Effect of line impedance and loading on voltage profile in distribution network with distributed solar photovoltaic system", 3rd International Conference on Communication and Electronic Systems, pp. 962-968.
12. Jayabarathi R, Sivaramakrishnan R, Sruthi S, Raakesh M and Manoj B (2019), "Simulation and Implementation of Solar Power penetration in an IEEE 5 Bus System", 5th International Conference on Advanced Computing and Communication Systems, pp. 263-266.
13. Kishore Kumar G K; Maniadarsh S; Thungeshwaran R; Ashwin M P; Jayabarathi R(2020), "Remotely Controllable Consumer Perspective Demand Response using

Genetic Algorithm”, 2020 Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), 10.1109/I-SMAC49090.2020.9243490