

**Name** : **Dr. G.UMA**  
**Designation** : Professor  
**Department** : Department of Electrical and Electronics Engineering  
**Name of the** : Anna University  
**Organization/ Institution**  
**Place** : Chennai  
**Pincode** : 600 025  
**Mobile No.** : 9444405106  
**E - Mail** : uma@annauniv.edu  
**Area os Specialization** : Power Electronics

### **LIST OF PUBLICATIONS**

#### **JOURNALS:**

- Sowmmiya U, **Uma G**, "Effective performance and power transfer operation of current controlled WRIG based WES in hybrid grid", Renewable Energy, Vol. 101, pp. 1052-1063 (2017).
- Sowmmiya U, **Uma G**, "Control and maximum power tracking operation of hybrid excited variable Speed Induction generator", Electric Power System Research, Vol. 143, pp. 771-781 (2017).
- Sowmmiya U, **Uma G**, "Control and power transfer operation of WRIG based WECS in a hybrid AC/DC microgrid", IET Renewable Power generation, (2017).
- Padmanathan, **Uma Govindarajan**, Vigna K. Ramachandaramurthy, T. Sudar Oli Selvi, "Multiple Criteria Decision Making (MCDM) Based Economic Analysis of Solar PV System with Respect to Performance Investigation for Indian Market", Sustainability, Vol. 9, Issue 2, pp. 820 (2017).
- Geetha.R, **Dr.Uma.G**, Archana.S, "Exploration of Intermittent Instabilities in a Boost Converter Supplied from a Rectifier", Journal of Electrical Engineering, (2017). page 6 / 10 Dr. G.Uma Professor, Department of Electrical and Electronics Engineering
- Archana Subramanian, **Uma Govindarajan**, " Analysis and mitigation of EMI in DC–DC converters using QR interaction", IET Circuits, Devices & Systems, published by IET. Vol. 11, Issue 4, pp. 371 - 380 (2017).

- Shanthi, P, **Uma**, G & Keerthana, M.S, "Effective Power Transfer Scheme in a grid connected hybrid wind/photovoltaic system", IET Renewable Power generation, published by IET. Vol. 11, Issue 7, pp. 1005-1017 (2017).
- Sowmmiya U, **Uma** G, "ANFIS based sensor fault tolerant control for hybrid Grid", IET Generation, Transmission and Distribution, (2018).
- Sowmmiya U, **Uma** G, "Sensor fault control for variable speed wind energy system in stand alone DC microgrid ", international Transactions on Electrical Energy Systems, (2018).