

### **DC MEMBER-3**

**Dr. PREMALATHA K., ME., PhD**

**Associate Professor**

**Department of Electrical and Electronics Engineering**

**Kumaraguru College of Technology, Coimbatore**

**Mobile: 9443321472, Email: [premalatha.k.eee@kct.ac.in](mailto:premalatha.k.eee@kct.ac.in)**

1. K Premalatha, S Vasantharathna and T Dhivyaah, 2016, "Self-excitation system for control of wind turbine driven induction generator using direct torque control", Journal of Vibration and Control, Vol.22, No.3, pp. 736-755, DOI: 10.1177/1077546314532669.
2. Premalatha K,Vasantharathna S , Thirumoorthi P and Yadaiah N, 2015, "Harmonic Current Compensation In Self Excited Induction Generator Using Active Filter", Istanbul University- Journal of Electrical and Electronics Engineering,Vol.15, No.1, PP.1873-1881, ISSN: 1303-0914.
3. K.Premalatha, S.Vasantharathna, 2015, "Dynamic Analysis of Wind Turbine Driven Self-excited Induction Generator", Research Journal of Applied Sciences, Engineering and Technology, Vol.11, No.8, pp.832-840, ISSN: 2040-7459; e-ISSN: 2040-7467.
4. K. Premalatha and K. Krithika, 2016, "Torque Ripple Reduction in Direct Torque and Flux Control of Induction Generator for Wind Power Application", Advances in Natural and Applied Sciences, Vol.10, No.2, pp.144-150, ISSN: 1995-0772, EISSN: 1998-1090.
5. K.Premalatha and P.Thirumoorthi, "Fuzzy Logic Based Direct Torque Control Of Three Phase Induction Motor", International Journal of Pure and Applied Mathematics, Vol.116 No. 11 2017, pp. 171-179, doi: 10.12732/ijpam.v116i11.18.
6. P. Thirumoorthi, Premalatha. K, "Intelligent Controller based Dynamic Sag Compensator", International Journal of Pure and Applied Mathematics, Vol.117 No. 08 2017, pp.79-82, doi: 10.12732/ijpam.v117i11.18.
7. Dineshkumar T, Premalatha K, Nandhini J J, "Modelling and Analysis of Single Stage Single Phase Boost Inverter," International Journal of Pure and Applied Mathematics, Vol.117 No. 08 2017, pp.89-93, doi: 10.12732/ijpam.v117i11.18.
8. D.Rajalakshmi, R.Kavitha, K.Premalatha, "Harmonic Research and Mitigation Techniques in Induction Furnace", International Journal of Engineering and Advanced Technology (IJEAT), Vol.8, no.6S, pp. 134-138, 2019.

9. K. Premalatha, D. Rajalakshmi, R. Kavitha, "DSP based Controller with Switching Loss Reduction Technique for Brushless DC Motor Drive System", International Journal of Engineering and Advanced Technology (IJEAT), Vol.8, no.6S3, pp. 1223-1226, 2019.
10. Kavitha, R Premalatha, K., Rajalakshmi, D., "Harmonic Research in Direct AC – AC Variable Frequency Power Converter", International Journal of Engineering and Advanced Technology (IJEAT), Vol.8, no.2S8, pp. 1686-1690, 2019.
11. J. J. Nandhini, K. Premalatha, "Highway Traffic Management using Smart Toll Plaza", International Journal of Engineering and Advanced Technology (IJEAT), Vol.8, no.6S3, pp. 1219-1222, 2019
- 12.K. Premalatha, P. Maithili, J.J. Nandhini, "Smart Automatic Fish Feeder", International Journal of Computer Sciences and Engineering, Vol.5, No.7, 2017, ISSN: 2347 2693.
13. K. Premalatha, J.J. Nandhini, "IOT based Accident prevention", Research journal of Engineering and Technology, Vol.8 No.2 October -December 2017.

