## <u>YEAR - 2010</u>

1)M.Prabhakar and V.Kamaraj , "Implementation of a soft switched resonant DC-DC Converter for automotive application", International Journal of Electrical Engineering and Embedded Systems, Vol.2 , No:1, January – June 2010.

2) G.Venkatesan and R. Arumugam , "Power Factor correction for Switched ReluctanceMotor Drive", International Journal of Electrical Engineering and Embedded Systems, Vol.2, No:1, January – June 2010, pp.79-83.

3) N.C.Lenin and R. Arumugam, "A Novel Linear Switched Reluctance Machine: Analysis and Experimental Verification", American Journal of Engineering and Applied Sciences Vol.3, No:2, 2010, pp.433-440.

4) G.Venkatesan and R. Arumugam, "Power factor Improvement in Switched Reluctance Motor Drive", Journal of Advances in Electrical and Computer Engineering, Vol. 10,No:1, 2010.

5) L.Jessi Sahaya Shanthi , R.Arumugam , M.Nilesh Tawri and S.Premkumar, "Comparison of AI based Position Estimation Techniques for Switched reluctance Motor", International Journal of Computer Applications, Vol.1, No:26, 2010, pp.44 – 49.

6) S.Manivannan, S.Prasanna Devi, R.Arumugam and N.M.Sudarsan, "Multiobjective optimization of flat plate heat sink using Taguchi- based Gray relational analysis", International Journal of Advanced manufacturing Technology, Springer, pp-2754 Vol -8, June 2010.

7) R.Seyezhai and B.L.Mathur, "Modeling and Simulation of PEM Fuel Cells", International Journal on Scientific Transactions on Environment and and Technovations, Vol 3, Issue 4, April-June 2010, pp.171 -178.

8) P.Karthikeyan, K.Vijayakumar and R.Arumugam, "Study on Switched Reluctance Generator for Rural Electrification", International Journal of Computer Applications, Vol.6, No: 3, September 2010, pp.11-17.

9) L.Jessi Shaya Shanthi, R.Arumugam and Y.K.Taly, "A Novel rotor position estimation approach for an 8/6 Solid rotor Switched Reluctance Motor", Neural Computational and Application, Springer- Verlag, September 2010.

10) M.Prabahakar and V.Kamaraj, "Analysis and Implementation of LCC Resonant DC-DC Converter for Automotive Application", IETE Journal of Research, Vol.565, No: 4, July-August 2010, pp.202-212.

11) N.C.Lenin and R.Arumugam, "Analysis and Experimental Verification of a Linear Switched Reluctance Motor having Special Pole Shape", Majlesi Journal of Electrical Engineering, Vol.4, No.2 June 2010, pp. 1-7.

12) Ashwin Kumar Sahoo, "Modeling and analysis of custom power devices in distribution network to improve power quality" International Journal of Distributed Energy Sources, Vol.6, no: 3, July 2010, pp.189 -207.

13) Ashwin Kumar Sahoo, "An improved UPFC control to enhance power system stability" International Journal of Modern Applied Science, Vol.4, no: 6, June 2010, pp.37-48.

14) S.Sendhilkumar, B.L.Mathur and Joseph Henry, "Wavelet packet Transform and support vector machine based discrimination of power transformers inrush current from internal fault currents", Journal of Modern Applied Science, 2010.

15) S.Sendhilkumar, B.L.Mathur and Joseph Henry, "Differential protection of Power transformer based on H-S transform and support vector machine", Journal of Electrical Systems, Issue 6, No: 2, 2010, pp.1-16.

16) P.Subbaraj, R.Rengaraj ,S.Salivahanan and T.R.Senthil kumar," Parallel particle swarm Optimization with Modified Stochastic Acceleration factors for solving large scale Economic Dispatch Problem", Int.J. of Electrical power & Energy System, Elsevier, Vol.32, Issue. 9,Nov.2010, pp.1014 -1023.

17) M.Balaji and V.Kamaraj, "Design of High Torque Density and low Torque Ripple Switched Reluctance Machine using Genetic Algorithm", European Journal of Scientific Research, Vol.47, No.2 (2010), PP 187-196.

18) S.Ramkumar, V.Kamaraj, S.Jeevanandam and S.Thamizharasan, "A power quality enhancement strategy for AC Voltage Controllers", European Journal of Scientific Research, Vol.47, No.2(2010), pp.309-319.

19) R.Seyezhai and B.L.Mathur, "Hybrid Multilevel inverter using ISPWM Technique for Fuel cell applications", International Journal of Computer Applications, Vol.9, No:1, pp. 41-47,November 2010.

20) R.Seyezhai and B.L.Mathur, "Implementation and control of Variable Frequency ISPWM technique for Asymmetric multilevel inverter", European Journal of Scientific Research, Vol.39, No.4(2010), Feb. 2010.

21) Mrunal Deshpande and B.L.Mathur, "Modeling of actuator and position sensors for attraction type magnetic levitation system", International Journal of Computer Applications, Vol.9, No:2, pp.36-40, November 2010.

22) N.C.Lenin , R.Arumugam and V.Chandresekar, "Force Profiles of a Linear Switched Reluctance Motor having Special pole face shapes", Journal of Electrical and Computer Engineering, Vol.10, No. 4, June 2010.

23) P. Somasundaram and N. B. Muthuselvan, "Security Constrained Optimal Power Flow with FACTS Devices Using Modified Particle Swarm Optimization", LNCS Springer link 2010, Vol.6466/2010, pp- 639-647.

24) S.Manivanan, R.Arumugam, S.Paramasivam, P.Salil and B.S.Rao, "HFSS Simulation, experimental investigation and optimization of heat sink EMI", IET Power Electronics Journal, 2010, Vol.3,No.6, pp. 881-891.

25) R.Ramaprabha and B.L.Mathur, "Development of an improved model of SPV Cell for Partially shaded solar photo voltaic arrays", European Journal of Scientific Research Vol.47, No 1(2010), pp 122-134

26) Nalin Kant Mohanty and Ranganath Muthu, "Microcontroller based PWM controlled four switch three phase inverter fed induction motor drive", Serbian Journal of Electrical Engineering, Vol.7, No: 2, November 2010.

27) Ashwin kumar Sahoo and T.Thyagarajan, "Power flow including FACTS devices', Journal of Applied Science, Vol 10, No:5, 2010, pp.1563 -1571.

28) Nalin Kant Mohanty and Ranganath Muthu, "Implementation of sinusoidal PWM based three-phase four switch inverter fed induction motor drive using FPGA ",International Review of Electrical Engineering, Vol.5, No: 4, October 2010.

29) Sendilkumar, B.L.Mathur and Joesph Henry, "Wavelet transform based differential protection for Power Transformer and classification of faults using SVM and PNN" International Review of Electrical Engineering, Vol 10, 2010

30) S.Sendilkumar, B.L.Mathur and Joesph Henry, "A Novel Fuzzy C-Mean and STransform method of discrimination and identification of inrush of current in a Power Transformer", Journal of Electrical Engineering, Vol 10, 2010.

31) R.Ramaprabha and Dr.B.L.Mathur, "Intelligent Controller Based Maximum Power Point Tracking for Solar PV System", International Journal of Computer Applications (IJCA), Vol.12, No.10, Jan 2011, pp 37-41.

32) B. SreeManju, R.Ramaprabha and Dr.B.L.Mathur, "Design and Modeling of Standalone Solar Photovoltaic Charging System", International Journal of Computer Applications (IJCA), Vol. 18, No. 02, March 2011, pp. 41-45.

33) R.Ramaprabha and Dr.B.L.Mathur, "Enhanced Maximum Power Point Tracking using Differential Evolution Algorithm for Partially Shaded Solar Photovoltaic Array", International Journal of Electrical Engineering and Embedded Systems, 2 (2) July-December 2010, pp 159-164.

34) R.Ramaprabha and Dr.B.L.Mathur, "Comparative Study of Series and Parallel configurations of Solar PV Array under Partial Shaded Conditions", International Review on Modeling and Simulations (I.RE.MO.S), Vol.3, No.6, pp. 1363-1371, Dec. 2010.

35) V.Rajini, "Estimation of life of insulators – A statistical approach", Iranian Journal of Electrical and Computer Engineering, Vol.9, No: 1, 2010, pp.73-77.

36) Chandrasekar and V.Kamaraj, "detection and classification of power quality disturbance waveform using MRA based modified wavelet transform and neural networks, Journal of ElectricalEngineering, Vol.61, no: 4, 2010, pp.236-240.

37) M.Balaji and V.Kamaraj, "Differential evolution approach for optimal design of switched reluctance machine", International Review on modeling and Simulations, Vol.3, No: 6, 2010, pp.1183-1188.