

## LIST OF PUBLICATIONS

### I. JOURNAL PUBLICATIONS:

1. A.Joseph Basanth, S.P.Natarajan and T.S.Sivakumaran, 'Performance evaluation of double output Luo converter with PI and neuro controllers', *UPA International Journal of Power System and Power Electronics*, India, vol.3, no.1, pp. 46-53, 2010.
2. A.Joseph Basanth, S.P.Natarajan and T.S.Sivakumaran, 'Performance analysis of positive output super-lift re-lift Luo converter with PI and neuro controllers', *IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)*, India, vol.6, no.3, pp. 21-27, 2013.
3. A.Joseph Basanth and S.P.Natarajan, 'Simulation and real-time implementation of PI controller for negative output super lift re-lift Luo converter', *International Review on Modelling and Simulations (I.R.E.M.O.S.)*, Italy, vol.6, no.4, pp.1056-1060, 2013.
4. A.Joseph Basanth, S.P.Natarajan and N.Muruganandham, 'Performance evaluation of positive output switched capacitor elementary Luo converter with PI and fuzzy controllers', *International Review of Automatic Control (I.R.E.A.CO.)*, Italy, vol.6, no.5, pp.601-606, 2013.
5. A.Joseph Basanth and S.P.Natarajan, 'Development of fuzzy logic controller for negative output switched capacitor elementary Luo converter - simulation and experimental evaluation', *European Journal of Scientific Research*, vol.112, no.2, pp.282-291, 2013.
6. K. Vijayakumar A. Joseph Basanth R. Karthikeyan V. Sivakumar N. Balamurugan C. Shanmuga Sundaram 'Influence of iron powder core on the switched reluctance motor performance enhancement' *Elsvier Materials Today: Proceedings Vol.33, No. 5* pp.2255 – 2263, 2020
7. K.Vijayakumar A.Joseph Basanth Y.Thiagarajan R.Rajendirakumar R.Karthikeyan S.Kannan Development of an iron powder metallurgy soft magnetic composite core switched reluctance motor, *Elsvier Materials Today: Proceedings*, In press

### II. CONFERENCE PUBLICATIONS

1. A.Joseph Basanth, S.P.Natarajan and T.S.Sivakumaran, 'Simulation and DSP based implementation of double output elementary Luo converter', *International Conference PESA-09*, Hongkong.
2. A.Joseph Basanth, S.P.Natarajan and T.S.Sivakumaran, 'Development of Fuzzy Controller for ZCS Quasi-Resonant LUO converter', *International Conference PESA-09*, Hongkong.
3. T. S. Sivakumaran, S. P. Natarajan, A. Joseph Basanth, Development of conventional control of Series-Parallel loaded Resonant Converter fed PMDC motor-simulation and real-time implementation, IEEE conference on INCACEC, (2009) 1–6, Conference Location: Perundurai, Tamilnadu, India
4. A.Janakiraman N. Madhan Kumar T. S. Sivakumaran, A. Joseph Basanth, Development of neuro controller for ZCS quasi Resonant Luo Converter International conference on computing communication and (ICCCN) – 2008
5. K. Vijayakumar, A. Joseph Basanth I, S. Kannan & R. Karthick, 'Development of an iron powder metallurgy soft magnetic composite core switched reluctance motor', *International Conference (ICAM<sup>3</sup>)*, NIT - Warangal.
6. K.Vijayakumar, A. Joseph Basanth, S. John Powl, T. Arulkumar and G. Satheeshkumar, 'Coupled field magnetic and thermal analysis of cross-linked polyethylene insulated underground power cable Using ANSYS APDL', ICECON 2019, N.I.T – TRICHY
7. K. Vijayakumar, A. Joseph Basanth, J. Mohanambigai, C. Shanmuga Sundaram and R. Karthikeyan, Introducing Advanced Metal Powder Composite Technology for Switched Reluctance Motor Applications, International Conference on Frontiers in Chemical and Material Sciences - ICFCMS 2020, Gandhigram University, Gandhigram.
8. K. Vijayakumar, A. Joseph Basanth, R. Karthikeyan and S. Kannan, Analysis of different motor prototypes for light electric vehicle applications, International Virtual Conference on Recent Trends on Renewable Energy, Smart Grid and Electric Vehicle Technologies. RESGVET-20
9. Introduction of Soft Magnetic Composites as Alternative for the Switched Reluctance Motor torque ripple and vibration mitigation "Virtual International Conference on Smart Materials & Emerging Technologies for Industry 4.0 (SMETI2020)" Sri Venkateswara college of Engineering Pennalur, Sriperumbudur SMETI - 2020
10. K.Vijayakumar, C. Shanmugasundram, A. Joseph Basanth, and R. Karthikeyan "Algorithmic skeleton for coupled numerical analysis of switched reluctance motor using soft magnetic composite iron powder", iceces'20, Saranathan college of engineering - Trichy

