

Journal Publications

1. Ramya .A, M. Balaji and Kamaraj” Adaptive MF tuned fuzzy logic speed controller for BLDC motor drive using ANN and PSO technique” Journal of Engineering (IET),Vol.2019,No17,pp.3947-3950,2019.
2. Vidhya and V.Kamaraj, “Complex Neural Classifiers for Power Quality Data Mining” in Journal of Electrical Engineering and Technology,(Thomson Reuters indexed) vol.13, no.4, pp.1715-1723 , 2018 (Impact factor – 0.597).
3. S.Nagarajan, V.Kamaraj , S.Sivaramakrishnan, “Geometrical Sensitivity Analysis Based on Design Optimization and Multiphysics Analysis of PM Assisted Synchronous Reluctance Motor”, Bulletin of Polish Academy of Technical Sciences,(Thomson Reuters indexed) 2018. (impact factor – 1.156).
4. Raji and V.Kamaraj, “Analysis of Stability and Dynamic Behaviour of Ultra Lift Luo Converter” Journal of Electrical Engineering & Technology,(Thomson Reuters indexed),Vol.12, N0. 5, pp 1970-1979, 2017.
5. Vidhya and V.Kamaraj ” Particle Swarm Optimized Extreme Learning 3. Machine for Feature Classification in Power Quality Data Mining” in Automatika – Journal for Control, Measurement, Electronics, Computing and Communications (Thomson Reuters indexed), Vol.58,No.4,pp 487-494,2017(Impact factor – 0.217).
6. V.S, Balaji Mahadevan, Kamaraj, V. Arumugam, R. Ganesh Nagarajan, Srivignesh S., Suudharshana M., ‘Design optimization of ferrite assisted synchronous reluctance motor using multi-objective differential evolution algorithm’, COMPEL – The international journal for computation and mathematics in electrical and electronic engineering,Vol.36,No.1, 2017, pp. 219–239. doi: 10.1108/compel-06-2016-0253. (Thomson Reuters indexed), (Impact factor – 0.487).
7. S.Nagarajan, V.Kamaraj, M.Balaji, , R. Arumugam, N. Ganesh, R. Rahul, and M. Lohit, ‘Effect of Geometrical Parameters on Optimal Design of Synchronous

Reluctance Motor', Journal of Magnetism, Vol.21 No.4, 2016, 544-553. (Thomson Reuters indexed), (Impact factor – 0.713).

8. Umadevi, M. Balaji, V. Kamaraj and L. Ananda Padmanaban," Design optimization for cogging torque mitigation in brushless DC motor using multi-objective particle swarm optimization algorithm", COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Vol. 34 Iss 4 pp. 1302 – 1318,2015. (Thomson Reuters indexed), (Impact factor – 0.487).
9. Umadevi, M. Balaji, V. Kamaraj and L. Ananda Padmanaban," Data Interpolation and Design Optimisation of Brushless DC Motor Using Generalized Regression Neural Network"Journal of Electrical Engineering and Technology,Vol. 10, No. 1,pp.188-194,2015. (Thomson Reuters indexed), (Impact factor – 0.679).
10. Balaji,V.Kamaraj, "Evolutionary Computation Based Multi-Objective Pole Shape Optimization of Switched Reluctance Machine", International Journal of Electrical Power and Energy Systems (Elsevier),vol.43,no.1,2012,pp 63-69.
11. Prabhakar and V. Kamaraj "Analysis and Implementation of LCC Resonant DC-DC Converter for Automotive Application", IETE Journal of Research, Vol.56, Issue 4, July-August 2010, pp.202 – 212. (Impact Factor : 0.132)
12. Ramkumar,S.Thamizharasan,V.Kamaraj and S.Jeevananthan"A new series parallel switched Multilevel DC link inverter topology" International Journal of Electrical Power and Energy, Elsevier,Vol.36,No.1,2012,93-99.