

Publications

Papers in Referred Journals:

- Avneet K. Chauhan; M. Raghuram; **Raja Ram Kumar**; Santosh K. Singh “Effects and Mitigation of Non–Zero DCM in Buck–Boost Derived Hybrid Converter,” IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, vol.6, No.:3, pp-1470-1482.
- **Raja Ram Kumar**, S.K.Singh, R.K.Srivastava, R.K.Saket “Design, Control and Experimental Investigation of Fault-Tolerant Five Phase PMSG for Wind Power Application,” International Journal of Mechanical and Production Engineering Research and Development, 2018, vol. 8, No. 4, pp. 1107-1122.
- **Raja Ram Kumar**, S.K.Singh, R.K.Srivastava, R.K.Saket “Thermal Analysis of Five-Phase PMSG for Small-Scale Wind Power Application,” International Journal of Mechanical and Production Engineering Research and Development, 2018, vol. 8, No. 6, pp. 667-680.
- **Raja Ram Kumar**, S.K.Singh, R.K.Srivastava, R.K.Saket “Dynamic Reluctance Airgap Modeling and Experimental Evaluation of Electromagnetic Characteristics of the Five- Phase Permanent Magnet Synchronous Generator for wind power application,” Ain shams Engineering journal, ELSEVIER(Under-revision)
- **Raja Ram Kumar**, S.K.Singh, R.K.Srivastava “Design and Performance Analysis of Five Phase Permanent Magnet Synchronous Generator,” IET Renewable Power Generation(Under-revision).

Papers in Conference Proceedings:

- Sunil Kumar, **Raja Ram Kumar**, Dr. S.K. Singh and Prof. R K Srivastava “Lumped parameter thermal modelling and ANSYS validation for PMSM,”

International conference on Computer Applications in Electrical Engineering
Recent Advances: Smart Grid, Roorkee, India, 2013.

- R.K.Soni, Avneet K.Chauhan, **Raja Ram Kumar**, Dr.S.K. Singh “Comparative study of SVM and Hysteresis control strategies for grid side converter of PMSG” **IEEE INDICON**, Pune ,India,pp.1-6, 2014.
- **Raja Ram Kumar**, S.K.Singh, R.K.Srivastava “Design Analysis of Radial Flux Dual Stator Five Phase Permanent Magnet Synchronous Generator,” IEEE International Conference On Power Electronics, Drives and Energy Systems, Bombay ,India, pp.1-6, 2014.
- **Raja Ram Kumar**, S.K.Singh, R.K.Srivastava “Effect of Magnetic Trajectories in a Magnetically Coupled Dual Stator Five Phase PMSG,” IEEE International Conference on Industrial Technology, Seville, Spain, pp.720-725, 2015.
- Sachin Rastogi; **Raja Ram Kumar**; Santosh K Singh “Design, analysis and optimization of permanent magnet synchronous generator,” IEEE International Conference on Power Electronics, Drives and Energy Systems, pp:1-5, 2016.
- **Raja Ram Kumar**, S.K.Singh, R.K.Srivastava “Thermal Modelling of Dual-Stator Five- Phase Permanent Magnet Synchronous Generator,” IEEE International Transportation on Electrification Conference India, Pune, India, pp.1-6, 2017.
- Avneet K Chauhan, **Raja Ram Kumar**, M. Raghuram, Santosh K Singh “Extended buckboost derived hybrid converter,” IEEE Industry Applications Society Annual Meeting, pp.1-8, 2017.