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PUBLICATIONS :

1. Gokulprakash, A. N, Sivaprakasam, A & Manigandan, T, "Measurement of losses in Direct Torque Controlled Permanent Magnet Synchronous Motor by Analysis and Experimental setup", International Journal of Research in Engineering and Technology, Vol. 3, Issue 7, pp.72-79 (2014).
2. Sathya, R, Sivaprakasam, A & Manigandan, T, "Analysis and Experimental investigation to Mitigate Mechanical Vibration and Acoustic Noise in Direct Torque Controller fed PMSM", International Journal of Research in Engineering and Technology, Vol. 3, Issue 7, pp. 80-88 (2014).
3. Sivaprakasam, A & Manigandan, T, "Combined Effect of Fuzzy Logic Controller and Optimized Voltage Vector in Torque Ripple Reduction of Direct Torque Controlled Permanent Magnet Synchronous Motor", World Journal of Modelling and Simulation, Vol. 10, Issue 2, pp. 92-107 (2014).
4. Sivaprakasam, A & Manigandan, T, "A Novel Method to Minimize Torque Ripple, Mechanical Vibration, and Noise in a Direct Torque Controlled Permanent Magnet Synchronous Motor Drive", International Journal of Acoustic and Vibration, Vol. 19, Issue 3, pp. 179-189 (2014).
5. D Krishnaveni, A Sivaprakasam, T Manigandan, " Optimum voltage vector selection in direct torque controlled PMSM using intelligent controller", 2014 International Conference on Green Computing Communication and Electrical Engineering (ICGCCEE), published by IEEE. Vol. 2014, pp. 1-6 (2014).
6. P Ramya, A Sivaprakasam, " Model predictive direct torque control of PMSM with optimized duty cycle", 2015 IEEE 9th International Conference on Intelligent Systems and Control (ISCO), published by IEEE. pp. 1-5 (2015).

7. Sivaprakasam, A & Manigandan, T, "An alternative scheme to reduce torque ripple and mechanical vibration in direct torque controlled permanent magnet synchronous motor", *Journal of Vibration and Control*, Vol. 21, Issue 5, pp. 855-871 (2015).
8. Sivaprakasam, A., "A new approach to reduce torque ripple and noise in twelve-sector based direct torque controller fed permanent magnet synchronous motor drive: simulation and experimental results", *Noise Control Engineering Journal*, published by Institute of Noise Control Engineering. Vol. 65, Issue 6, pp. 531-548 (2017).
9. N.K Elangovan, A Sivaprakasam, "Chayaver: Indian-traditional dye to modern dye sensitized solar cells", *Materials Research Express*, published by IOP Publishing (previously Institute of Physics Publishing). Vol. 6, Issue 6, pp. DOI: 10.1088/2053-1591/abcaad (2019).
10. R Bharani, A Sivaprakasam, "Meteorosoft: a excel function for wind data processing and rose diagram", *Earth Science Informatics - Journal - Springer*, published by Springer. (2019).
11. Sivaprakasam. A, Anunciya. J D, " A Survey on Matrix Converter fed Direct Torque Control Techniques for AC Machines", *IETE Journal of Research*, published by IETE and Taylor & Francis Group. (2019).
12. R Bharani, A Sivaprakasam, "A large volume wind data for renewable energy applications", *Data in brief - Journal - Elsevier*, published by Elsevier. (2019).
13. E Nandhini, A Sivaprakasam, "A Review of Various Control Strategies Based on Space Vector Pulse Width Modulation for the Voltage Source Inverter", *IETE Journal of Research*, published by IETE. (2020).
14. R Bharani, A Sivaprakasam, "A Review Analysis on Performance and Classification of Wind Turbine Gearbox Technologies", *IETE Journal of Research*, published by IETE. (2020).
15. L.N Ramya, A Sivaprakasam, "Application of model predictive control for reduced torque ripple in orthopaedic drilling using permanent magnet synchronous motor drive", *Electrical Engineering*, published by Springer. (2020).
16. A Sivaprakasam, L.N Ramya, "A new approach to minimize torque ripple and noise in model predictive control of permanent magnet synchronous motor drives", *Journal of Vibration and Control*, published by SAGE Publications. (2020).