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Publications – Journals

1. 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).
2. **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).
3. **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).
4. 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/ab0cad (2019).
5. R Bharani, **A Sivaprakasam**, "Meteorosoft: a excel function for wind data processing and rose diagram", Earth Science Informatics - Journal - Springer, published by Springer. (2019).
6. **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).
7. R Bharani, **A.Sivaprakasam**, "A large volume wind data for renewable energy applications", Data in brief - Journal - Elsevier, published by Elsevier. (2019).
8. 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).
9. R Bharani, **A Sivaprakasam**, "A Review Analysis on Performance and Classification of Wind Turbine Gearbox Technologies", IETE Journal of Research, published by IETE. (2020).
10. 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).
11. **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).
12. **A Sivaprakasam**, E,Nandhini, "A Review of Various Control Strategies Based on Space Vector Pulse Width Modulation for the Voltage Source Inverter" IETE Journal of Research. (2020).