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**PUBLICATIONS**

**Journals**

1. J Christopher, M Sasikumar “Modified Ac/Dc Bi-Directional Converter With Power Factor Correction And Harmonics Reduction”, 2017 International Journal of MC Square Scientific Research, Volume 9, Issue1, Pages 215-217.
2. M Sasikumar, S Senthilkumar, B Balabharathi, M Praveen “New intelligent controller for induction motor speed control ”, Journal of Testing and Evaluation, 2016 Volume 44, Issue 3, Pages 1148-1160.
3. K Bharathi, M Sasikumar ” Voltage Compensation of Smart Grid using Bidirectional Intelligent Semiconductor Transformer and PV Cell ”, 2016 Journal Indian J. Sci. Technol, Volume 9, Pages1-8.

**International Conferences**

4. K Bharathi, S Sakthi, M Sasikumar “Power Optimization of Embedded Controller PV Powered Stand Alone System for Rural Electrification” 2019 Fifth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Vol 1, Pg 362-367
5. S Sakthi, C Balaji, K Bharathi, V Sridevi, M Sasikumar “Effective Management of Small-Scale WECS with ESS for Power Control in RAP System” , 2019 Fifth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Vol1,Pg 354-361
6. M Sasikumar, V Reena Joshi Vince, V Sridevi “Pump Motor Control System using Wind Powered Impedance Bridge Inductor Capacitor Integral Converter”, , 2019 Fifth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Vol1,Pg 368-372
7. M Sasikumar, HS Manjula, P Pravina, KS KavithaKumari“Harmonic Interruption in Wind Powered Induction Generator for Power Conversion Systems”, , 2019 Fifth International Conference on Science Technology Engineering and Mathematics (ICONSTEM), Vol1,Pg 373-376
8. M Sasikumar“Harmonics analysis in impedance Z-source inverter for wind driven self—Excited induction generator applications”, ,2017 Third International Conference on Science Technology Engineering & Management (ICONSTEM), Pg687-690
9. S Satish Kumar, M Sasikumar ” An Approach of Hybrid Modulation in Fusion seven-level Cascaded Multilevel Inverter accomplishment to IM drive system ” 2016 Second

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10. K Bharathi, M Sasikumar " Fuzzy based feed forward control for voltage compensation of smart grid using bidirectional intelligent semiconductor transformer and PV cell", 2016 Second International Conference on Science Technology Engineering and Management (ICONSTEM),Pages 394-398.
11. P Crisbin, M Sasikumar "Analysis of PFC cuk and PFC sepic converter based intelligent controller fed BLDC motor drive", 2016 Second International Conference on Science Technology Engineering and Management (ICONSTEM), Pages304-308.