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**Area of Specialization: Power Systems Engineering**

**Papers Published in Journals**

**Research Papers Published in International Journals : 21**

**Research Papers Published in National Journals : 0**

- 1.K. Karthikumar, V. Senthil Kumar, M. Karuppiah, A, Arunbalaj, S. Krishnakumar, "Modeling of Solar Panel As Generalised Structure", International Journal of Applied Engineering Research, Vol. 10, Issue 14, pp. 34244 34250 (2015).
2. Prabakaran. S, Senthilkumar. V, Baskar, G, "Economic Dispatch using Hybrid Particle Swarm Optimization with Prohibited Operating Zones and Ramp rate limit constraints", Journal of Electrical Engg Technology, Vol. 10, Issue 4, pp. 1441-1452 (2015).
3. Prabakaran. S, Senthilkumar, V, "Hybrid PSO Algorithm with Tabu search for Economic and Emission Dispatch Problems", International Journal of Applied Engineering Research, Vol. 10, Issue 7, pp. 17533-17551 (2015).
- 4.Prabakaran. S, Senthilkumar. V, " Optimal Load Dispatch Using Hybrid PSO Technique for Thermal Scheduling Problems", International Journal of Current Research, Vol. 5, Issue 5, pp. 1294-1297 (2015).
5. C. R. Amudha, Dr. V. Senthil kumar, " ABC Algorithm Based Voltage Stability Enhancement Strategy For Distribution System ", International Journal of Applied Engineering Research, published by Research India Publications. Vol. 7, pp. 18679-18690 (2015).
6. D. Sunitha, V. Senthilkumar, " Comparative analysis of voltage source and current source converter based Unified power quality conditioner for mitigating power quality problems", International Journal of Control Theory and Applications, Vol. 9, Issue 16, pp. 7979-7988 (2016).
7. Anuradha. T, Senthilkumar. V, Deivasundari. P, "Bisection Method Based Modified Perturb and Observe MPPT Algorithm for a PV Generation System with an Interleaved, Isolated DC – DC Converter", Australian Journal of Basic & Applied Sciences, Vol. 10, Issue 5, pp. 76 - 82 (2016).
8. Anuradha. T, Senthilkumar. V, Deivasundari. P, "A Comparison of Existing MPPT Techniques for a PV System with Interleaved Converter", Australian Journal of Basic & Applied Sciences, Vol. 10, Issue 5, pp. 69 - 75 (2016).

9. Anuradha. T, Senthilkumar. V, Deivasundari. P, "Zero Voltage Switching-Pulse Width Modulation Technique-Based Interleaved Flyback Converter for Remote Power Solutions", IET Power Electronics, Vol. 9, Issue 7, pp. 1381 - 1390 (2016).
10. R. Ganesh, V. Senthil Kumar, "Reactive Power Compensation Using Fuzzy Gain Scheduling Controlled STATCOM for Grid Connected PV System", Asian Journal of Research in Social and Humanities, Vol. 6, Issue 11, pp. 787 - 802 (2016).
11. R. Ganesh, V. Senthil Kumar, "Fuzzy Gain Scheduling Controlled STATCOM for Grid Connected SPV Systems", Asian Journal of Information Technology, Vol. 15, Issue 7, pp. 1151 - 1159 (2016).
12. D. Sunitha, V. Senthilkumar, C. Subramani, "Optimal placement and parameter setting of FACTS device using particle swarm technique for power system stability problems", Journal of Electrical Engineering, Vol. 17, Issue 4, pp. 348 - 351 (2017).
13. Anuradha. T, Senthilkumar. V, Deivasundari. P, "Linear open circuit voltage-variable step-size-incremental conductance strategy based hybrid MPPT controller for remote power applications", IET Power Electronics, Vol. 10, Issue 11, pp. 1363 - 1376 (2017)