Dr. A.Shunmugalatha

List of Publications (Last 5 Years)

1. **Dr.A.Shunmugalatha**, Ms.P.Malathy, Thaineesh.P, "Enhancement of Transmission System Load ability During Contingency by Optimal Allocation of FACTS Devices Using Particle Swarm Optimization", **Advances in Intelligent Systems and Computing,** volume-343, 40 Springer India, (2015) DOI 10.1007/978-81-322-2268-2.

2. **Dr.A.Shunmugalatha**, P. Booma Devi, "Optimum Cost Allocation for Reactive Power Planning in Wind Farms Using Modified Artificial Immune System", **International Journal of Applied Engineering Research**, Volume 10, Number 11 (2015) pp. 29609-29620.

3. **Dr.A.Shunmugalatha**, P. Booma Devi, "Reactive Power Cost Estimation in Wind Farms using Hybridized Iterative Optimal Power Flow Estimation and a novel Load Tracing", Publication in **Journal of Computational and Theoretical Nanoscience,** 2015, Vol. 12, No. 11, pp.1–11, doi:10.1166/jctn.2015.4511

4. **Dr.A.Shunmugalatha**, K.Kanimozhi, "Maximum Peak Power Tracking of Photovoltaic Systems using Adaptive Sliding Mode controller", **International Journal of Applied Engineering Research,** 2015, Vol. 10, no. 55, pp.3073-3079

5. **Dr.A.Shunmugalatha**, K.Kanimozhi,"Photovoltaic systems with Passive lossless Cuk Converter using Hybrid Sliding Mode Control", **Journal of Circuits Systems and Computers**, May 2016, Vol.25,no.5,pp.16500367.

6. **Dr.A.Shunmugalatha**, Radhika, A, "A Novel Photo Voltaic Power harvesting system using Transformerless H6 Single Phase Inverter with improved grid current quality", **Journal of Power Electronics**, Vol. 16, No. 2, pp. 654-665, March 2016

7. **Dr.A.Shunmugalatha**, G. Emily Manoranjitham, "Application of firefly algorithm on optimal power flow control incorporating simplified impedance UPFC model" **International Journal of Electrical Power & Energy Systems**. 71 (2015) 358–363]

8. **Dr.A.Shunmugalatha**, Ms.P.Malathy,"Application of swarm based intelligent computing algorithms for dynamic evaluation of maximum load ability of transmission network", **Journal of Computational Science**, Volume 21, July 2017, Pages 201-222.

9. **Dr.A.Shunmugalatha**, P. Vijayarajan, M. A. JagabarSathik "A New Hybrid Multilevel Inverter Topology for Medium and High Voltage Applications", **Applied Mathematics & Information Sciences: An International Journal**. 11(2), 2, 497-508 (2017).

10. **Dr.A.Shunmugalatha**, Ms.P.Malathy, "Estimation of load ability limit with N-1 and N-2 outages using evolutionary computation techniques, **Journal of Ambient Intelligence and Humanized Computing** (2020) DOI: 10.1007/s12652-020-02111

11. **Dr.A.Shunmugalatha**, Venkatesh.R.J., "Pseudo continuous conduction mode operated converter of brushless DC motor drives", **Solid State Technology (2020**) 63(1) 117-127

12. **Dr.A.Shunmugalatha**, G. Emily Manoranjitham, "Multi-objective optimal power flow by placement of unified power flow controller using firefly algorithm",**Journal of Computational and Theoretical Nanoscience** (2017) 14(12) 6038-6043, DOI: 10.1166/jctn.2017.7091

13. **Dr.A.Shunmugalatha**, Vijayarajan.P, HabeebullahSait.H, " Development of modified carrier based PWM scheme for single phase H-bridge inverter fed isolated wind-PV systems", **Solar Energy** (2016) 126 208-219, DOI: 10.1016/j.solener.2015.12.026.