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Publications List of Dr. A. Shunmugalatha

International Publication:

1. Radhika, A., **A. Shunmugalatha**, N. Karuppiah, and M. Devaki. "Mitigation of Power Quality Issues using PV-UPQC and MTG-UPQC in a Distribution system."

2. Vijayarajan, P., **A. Shunmugalatha**, and H. Habeebullah Sait. "A Modified PWM Scheme for Harmonic Reduction in Hybrid System without Filter." *International Journal of Mathematical and Computational Methods* 2 (2017).

3. Manoranjitham, G. Emily, and **A. Shunmugalatha**. "Multi-Objective Optimal Power Flow by Placement of Unified Power Flow Controller Using Firefly Algorithm." *Journal of Computational and Theoretical Nanoscience* 14, no. 12 (2017): 6038-6043.

4. Malathy, P., and **A. Shunmugalatha**. "Application of swarm based intelligent computing algorithms for dynamic evaluation of maximum loadability of transmission network." *Journal of Computational Science* 21 (2017): 201-222.

5. Vijayarajan, P., **A. Shunmugalatha**, and MA Jagabar Sathik. "A new hybrid multilevel inverter topology for medium and high voltage applications." *Appl. Math. Inf. Sci.* 11, no. 1 (2017): 497-508.

6. Kannabiran, Kanimozhi, and **Shunmugalatha Alagarsamy**. "Unified control of DC-DC buck converter using dynamic adaptive controller for battery operated devices." *Revista Facultad de Ingeniería Universidad de Antioquia* 81 (2016): 35-46.

7. Kanimozhi, K., and **A. Shunmugalatha**. "Photovoltaic systems with passive lossless cuk converter using hybrid sliding mode control." *Journal of Circuits, Systems and Computers* 25, no. 05 (2016): 1650036.

8. Radhika, A., and **A. Shunmugalatha**. "A novel photovoltaic power harvesting system using a transformerless H6 single-phase inverter with improved grid current quality." *Journal of Power Electronics* 16, no. 2 (2016): 654-665.

9. Vijayarajan, P., **A. Shunmugalatha**, and H. Habeebullah Sait. "Development of modified carrier based PWM scheme for single phase H-bridge inverter fed isolated wind–PV systems." *Solar Energy* 126 (2016): 208-219.

10. Manoranjitham, G. Emily, and **Alagarsamy Shunmugalatha**. "Retraction notice to "Application of firefly algorithm on optimal power flow control incorporating simplified impedance UPFC model"[Int. J. Electr. Power Energy Syst. 71 (2015) 358–363]." *International Journal of Electrical Power & Energy Systems* 100, no. 83 (2016): 603.

International Conference:

11. Malathy, P., **A. Shunmugalatha**, and T. Marimuthu. "Application of differential evolution for maximizing the loadability limit of transmission system during contingency." In *Proceedings of Fifth International Conference on Soft Computing for Problem Solving*, pp. 51-64. Springer, Singapore, 2016.

12. Malathy, P., and **A. Shunmugalatha**. "Enhancement of Maximum Loadability during N-1 and N-2 contingencies with multi type FACTS devices and its optimization using MDE algorithm." In *2016 IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON)*, pp. 173-178. IEEE, 2016.

13. Malathy, P., and **A. Shunmugalatha**. "Loadability analysis during single contingency with FACTS devices using Differential Evolution." In *2016 IEEE 6th International Conference on Power Systems (ICPS)*, pp. 1-6. IEEE, 2016.

14. Radhika, A., **A. Shunmugalatha**, and A. Prejeeth Irudaya Ronisha. "Enhancement of dc microgrid to overcome the sparsity of electricity in pastoral spot using renewable energy source." In *2016 International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE'16)*, pp. 1-6. IEEE, 2016.

15. Malathy, P., and **A. Shunmugalatha**. "Enhancement of Maximum Loadability during N-1 and N-2 contingencies with multi type FACTS devices and its optimization using MDE algorithm." In *2016 IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON)*, pp. 173-178. IEEE, 2016.