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List of Publications:

1. Nadgauda, Nikhita, Senthil Arumugam Muthukumaraswamy, and S. U. Prabha. "Smart Automated Processes for Bottle-Filling Industry Using PLC-SCADA System." *Intelligent Manufacturing and Energy Sustainability*. Springer, Singapore, 2020. 693-702.

2. S Gomathi, SU Prabha, G Sureshkumar "Photovoltaic Powered Induction Motor Drive Using a High Efficient Soft Switched Sazz Converter" 2020 6th International Conference on Advanced Computing and Communication Systems (ICACCS)

3. Mahendran, K., and S. U. Prabha. "Optimal control strategies for a hybrid renewable energy system: an ALANN/RNN technique." *Soft Computing* 23.24 (2019): 13459-13475.

4. Reshmi, R., Saranya, R. A., Vishakha, S., Prabha, S. U., & Ashokan, M. S. (2019). Sudden Infant Death Syndrome Detection and prevention using Grid Eye Sensor. *International Research Journal of Engineering and Technology*, 623-625.

5. Shanthi, T., Anushree, S. V., Prabha, S. U., & Rajalakshmi, D. (2017, March). DAC to monitor solar powered home appliances and usage control using bluetooth enabled mobile application and IoT. In *2017 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS)* (pp. 1-4). IEEE.

6. Prabha, S. U., M. Srinivasan, and C. Keerthana. "Reduction of total harmonic distortion in electronic ballast." *2017 International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology (ICEEIMT)*. IEEE, 2017.

7. Rajalashmi, K., and S. Prabha. "A hybrid algorithm for multiobjective optimal power flow problem using particle swarm algorithm and enhanced flower pollination algorithm." *Asian J. Res. Social Sci. Humanities* 7.1 (2017): 923-940.

8. Rajalashmi, K., and S. U. Prabha. "Hybrid Swarm Algorithm for Multiobjective Optimal Power Flow Problem." *Circuits and Systems* 7.11 (2016): 3589-3603.

9. Prabha, S. Krishna, and S. Vimala. "Implementation of BCM for Solving the Fuzzy Assignment Problem with Various Ranking Techniques." *Asian Research Journal of Mathematics* (2016): 1-11.

10. Krishnamoorthy, Mahendran, and Prabha Umapathy. "Hybrid voltage control model for hybrid renewable energy system using artificial bees colony algorithm." *Circuits and Systems* 7.9 (2016): 2795-2806.

11. Prabha, S. Krishna, S. Vimala, and Dindigul PSNA CET. "An modified method for solving balanced fuzzy transportation problem for maximizing the profit." *International Journal of Pure and Applied Mathematics* 106.5 (2016): 45-52.

12. Mahendran, K., and S. U. Prabhu. "An Experimental investigation on implementation of advanced cascaded multilevel inverter for Renewable Energy applications." *International Journal of Innovations in Engineering and Technology (IJIET)* 7.1 (2016).

13. Mahendran, K., and S. U. Prabha. "Power Stability of Novel Converters using Stochastic Pattern Controller for Hybrid Renewable Energy Applications." *Asian Journal of Research in Social Sciences and Humanities* 6.10 (2016): 2273-2288.

14. Balasubramaniam, P. M., and S. U. Prabha. "Power quality issues, solutions and standards: A technology review."18.4 (2015): 371-380.