

PUBLICATIONS OF Dr. R. LATHA

1. Bavithra K., **Latha R**, Charles Raja S., Anadhakumar K., "Parameter optimization of FACTS using Cuckoo Search Algorithm for ATC Enhancement in Restructured Power Systems", International Energy Journal, Vol.18, Special Issue 2A, August 2020, pp.247-254. ISSN 1513-718X. (Scopus indexed & Web of Science)
2. **Latha R**, Bhagavathy P, "Development of Control Strategies for Load Demand Management in WECS" , In: George V., Roy B. (eds) Advances in Control Instrumentation Systems. Lecture Notes in Electrical Engineering, vol 660. Springer, Singapore, 2020, pp-41-50. https://doi.org/10.1007/978-981-15-4676-1_4 (Book Chapter)
3. Somasundaram B, **Latha R**, Banu Rekha B, Ashok Kumar L, "Real time Monitoring of Fault Occurrences and Fault Prediction for an Industrial Air Handling Unit", International Journal of Advanced Science & Technology(Scopus Indexed), Vol.29, No.9s, pp. 3595-3600, May 2020. ISSN: 2005-4238. h-Index:3
4. **Latha R**, Bavithra K, Charles Raja S and Anadhakumar K , "Parameter Optimisation of FACTS using Cuckoo Search Algorithm for ATC Enhancement in Restructured Power Systems", Proceedings of International Conference on Artificial Intelligence, Smart Grid and Smart City Applications(AISGSC 2019)" organized by Dept. of EEE, PSG College of Technology, Coimbatore, Jan 2019.(Got Best paper Award)
5. **Latha R** and Archana N , "Tracking of Magnetic Levitation System using Neuro-Fuzzy based PI Controller" National Journal of Technology, Vol.15, No.4, Dec 2019, pp. 49-66. ISSN 0973-1334
6. **Latha R**, Bavithra K , "Fuzzy Based Fault Classifier and Time Domain Reflectometry Based Fault Locator for Underground Cables", International Journal of Innovative Technology and Exploring Engineering (IJITEE), vol.9, no.1, Nov 2018.
7. P. Bhagavathy, **R. Latha** and E. Thamizhmaran, "Development of IoT Enabled Smart APFC Panel for Industrial Loads," 2019 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT), Kanpur, India, 2019, pp. 1-5. doi: 10.1109/ICCCNT45670.2019.8944899.
8. P. Bhagavathy, **R. Latha** and S. Elango, "A Case Study on the impact of Power Quality Analysis in Textile Industry", Proceedings of 13th International Conference on Industrial and Information System (ICIIS) organized by Indian Institute of Technology Ropar, Punjab, India, Dec 2018.(Part No. CFP1858A-USB; ISBN: 978-1-5386-8491-7220220).
9. **Latha R** and Vishnu Kumaran P, "Design of Model reference Adaptive Controller based speed control of brushless DC Motor Drive", Int. Journal of Industrial Electronics and Drives (Inderscience), Vol. 4, No.2, pp. 114-119, May 2018. ISSN:1757-3874
10. P. Bhagavathy, **R. Latha**, "Development of Low Cost Microcontroller Based Automatic Correction of Power Factor for Industrial Applications", Proceedings of International Conference on frontiers in Engineering, Applied Sciences and Technology. FEAST'18,NIT, Trichy, April 27-28, 2018 (Got Best paper Award).

11. **R.Latha** and J.Kanakaraj, "Design of Hybrid Fault Tolerance Control for LPV System", Journal of Advances in Chemistry, Vol. 12, No. 21, Dec 2016, pp. 5292-5298.
12. **Latha R** and Navaneethan S, "Development of LVDT model using COMSOL Multiphysics", National Journal of Technology, Vol.12, No.4, Dec 2016, pp. 1-6.
13. **R.Latha** and J.Kanakaraj, "Design of Interleaved Three-Phase Single Switch Boost PFC Converter", Asian Journal of Research in Social Sciences and Humanities, Vol.6, No.10, Oct 2016, pp. 647-657.
14. S.Kanthalakshmi, M.Ragapriya and **R.Latha**, "Fault tolerant control design with acceptable performance degradation", ARPN Journal of Engineering and Applied Sciences, Vol. 10, No.2, Feb 2015, pp. 908-914.