Dr LAL RAJA SINGH

Professor, Department of EEE
Kalaingyar Karunanidhi Institute of Science and Technology

Publication Details

International Journals:-

1. **Lal Raja Singh. R,** C. Christober Asir Rajan, "A Hybrid ANN & PSO For Proficient Solving Of Unit Commitment Problem" **Journal of Electrical Engineering, Romania,** Vol.10, Issue 3, March 2010, pp. 13-24.
2. **Lal Raja Singh. R,** C. Christober Asir Rajan, "An Improved Particle Swarm Optimization for Solving Unit Commitment Problem" **International journal of Recent Trends In Engineering and Technology,** Vol. 3, No. 3, May 2010, pp. 82-87.
3. **Lal Raja Singh. R,** C. Christober Asir Rajan, "An Efficient and Improved Artificial Neural Network Algorithm to solve Unit Commitment Problem with Cooling- Banking Constraints" **European Journal of Scientific Research,** Vol. 61, Issue 4, October 2011, pp. 561-571.
4. **Lal Raja Singh.R,** C. Christober Asir Rajan, "A Hybrid Particle Swarm Optimization Employing Genetic Algorithm for Unit Commitment Problem**" International Review of Electrical Engineering**, Vol.6, No 7, Part B, December 2011, pp. 3211-3217.
5. **Lal Raja Singh.R, Leena Rose. R, "**Comparison of Hybrid Intelligent Techniques to Solve Unit Commitment Problem With Cooling-Banking Constraints" **International Journal of Applied Engineering Research,** Volume 10, Number 2 (2015) pp. 3479-3488.
6. Leena Rose R, Dr. B Dora Arul Selvi, Dr. R Lal Raja Singh, "A Novel Approach to Solve Environmental Economic Dispatch Problem using Gauss Newton based Genetic Algorithm" **Asian Journal of Research in Social Sciences and Humanities**, Vol. 6, No. 6, June 2016, pp. 1561-1570.
7. Leena Rose R, Dr. B Dora Arul Selvi, **Dr. R Lal Raja Singh,** "Development of Hybrid Algorithm Based on PSO and NN to Solve Economic Emission Dispatch Problem" **Circuits and Systems,** 2016, 7, 2323-2331.
8. A.O Deepa, **R Lal Raja Singh,** R Leena Rose, "A Novel Energy Management System using Renewable Distribution Generation Units" **Journal of Electrical Engineering and Science**, Vol. 2(2) 2016, pp. 1-11
9. **R Lal Raja Singh,** R Leena Rose, J Chinnu, "Voltage Control of a STATCOM using Posicast and P+Resonant Controller at a Fixed Speed Induction Generator Wind Farm" **Journal of Electrical Engineering and Science**, Vol. 2(2) 2016, pp. 12-23.
10. **S. Edwin Jose, and R. Lal Raja Singh,** "Power quality disturbances analysis of BLDC motor drive using wavelet transform" **AIP Conference Proceedings** 2020 https://doi.org/10.1063/5.0000434.
11. **Leena Rose R and Lal Raja Singh R,** "Economic emission dispatch of hydro-thermal-wind using CMQLSPSN technique" **IET Renewable Power Generation,** Volume 14, Issue 14, 26 October 2020, p. 2680 – 2692.

International Conferences:-

1. **Lal Raja Singh. R,** C. Christober Asir Rajan, "A Hybrid ANN & PSO for Proficient Solving of Unit Commitment Problem", International **Conference on "Electrical Power and Energy Systems**" organized by MANIT Bhopal, August 23-24, 2010, pp. 95-100.
2. **Lal Raja Singh. R,** C. Christober Asir Rajan, "A Hybrid Approach Based on PSO and EP for Proficient Solving of Unit Commitment Problem" **International Conference and Utility Exhibition 2011 on Power and Energy Systems: Issues and Prospects for Asia (ICUE 2011),** organized by Asian Institute of Technology Thailand During 28-30 September 2011 at Amari Orchid Pattaya Hotel, Pattaya City , Thailand.
3. **Lal Raja Singh. R,** C. Christober Asir Rajan, "Comparison of Hybrid Intelligent Techniques to Solve Unit Commitment Problem With Cooling-Banking Constraints" **4th International Conference on Electronics Computer Technology 2012**, Kanyakumari, India. April, 6-8, 2012

National Journals:-

1. **Lal Raja Singh. R,** C. Christober Asir Rajan, "An Improved genetic algorithm approach for proficient solving of unit commitment problem" **Engineering Today Monthly Journal**, Vol XIII, Issue 6, June 2011, pp. 167-172.
2. **Lal Raja Singh. R,** C. Christober Asir Rajan, "A Hybrid Approach Based on EP and PSO for Proficient Solving of Unit Commitment Problem" **Indian Journal of Computer Science and Engineering**, Vol. 2, No. 3 June-July 2011, pp. 281-294.

National Conferences:-

1. **Lal Raja Singh. R,** C. Christober Asir Rajan, "**An Efficient Approach For Voltage Profile Improvement In STATCOM**" Procee. Of the National Conference on " **Computational Intelligence To Emerging Electric Power Systems**", Organized by Pondicherry Engineering College, Pondicherry on 7th & 8th September 2006.
2. **Lal Raja Singh. R,** C. Christober Asir Rajan, "Optimal Commitment Scheduling of Short Term Thermal Power System Using An Improved Particle Swarm Optimization" Procee. Of the National Conference on "**Technological Advances for New Power Generating Units and for Performance Enhancements for Present Plants**" organized by CPRI, Bangalore during November 18-19th, 2010.
3. **Lal Raja Singh. R,** C. Christober Asir Rajan, "An Improved Evolutionary Programming for Proficient Solving of Unit Commitment Problem" **National Conference on Modeling, Simulation, Design and Experimental Study Of Electrical Systems** organized by BSA University Chennai on 11th April 2011.
4. **Lal Raja Singh. R,** C. Christober Asir Rajan, "Comparison of Hybrid Intelligent Techniques based on PSO-ANN and PSO-GA to Solve Unit Commitment Problem " **National Conference on Computational Intelligence in Electrical and Electronics Engineering** organized by Department of Electrical and Electronics Engineering, Sathyabama University, Chennai, on 1st and 2nd March 2012.