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**List of Publications:**

1. Avudayappan, Naraina & S N, Deepa, 'Congestion Management in deregulated power system using hybrid Cat-Firefly Algorithm with TCSC and SVC FACTS devices', in The International Journal for Computation and Mathematics in Electrical and Electronic Engineering, vol. 34, issue 5. 2016.
2. Avudayyappan, N. & Deepa, S.N., 2016. Optimal Location of TCSC and SVC using Hybrid Fruit Fly Firefly Optimization Algorithm in Transmission System. Asian Journal of Information Technology, vol.15, issue16, pp.2863-2872.
3. S.N Deepa & Naraina A. 2014, "Condition Monitoring in Induction Motor by Parameter Estimation Technique" International Journal of Advances in Intelligent Systems and Computing SpringerVol 259,pp87-98
4. S.N Deepa& Naraina A. 2014, "A modified Current Controller for H- Bridge Active Filters for Harmonic reduction in single Phase system". International Journal of Advancement in Automation and control vol 78 pp 122.
5. M Yuvaraju, A Naraina, K Deepika, "[Wireless Based on Perfunctory Fire Detection and Liberate system](#)" in International Research Journal of Engineering and Technology, vol.3 , issue 6. 2016
6. Jithin, R.G, & A. Naraina. "Optimization of power flow in the AC coaches of the Indian railways from battery systems to AC compressors." in International journal of Advanced science and engineering research, vol.1, issue 1. (2016).
7. A.Naraina & E.manoj. "LC Resonant Converter for high gain in Grid -Connected DG'S" in International Journal of Electrical and Electronics Engineering. Vol 27, issue 14.(2018)
8. A.Naraina & E.manoj. "Optimal Coordination Control Of Facts Devices For Management Of Power Flow" in International Journal of Electrical and Electronics Engineering. Vol 27, issue 14.(2018)
9. Vishnu Prasad Muddineni &A. Naraina. "Implementation of Predictive Control Technique Using PLEXIM Tool" Advances in Electrical and Computer Technologies (2020)

10. A.Naraina & AnandChandran 2015, "Co-ordination Control of FACTS Devices by Lead –Lag Controller" International Journal of Applied Engineering Research Vol 10 pp 9.
11. A.Naraina & M. Venketash 2015, "Rotor Cage Fault Analysis in Three Phase IM" International Journal of Applied Engineering Research Vol 10 pp 21.
12. A.Naraina & N. Anil. "Congestion Management In Deregulated Power System With Static Voltage Stability Index Approach Incorporated With SVC And TCSC FACTS Devices Using Cat-Firefly Algorithm" International Journal of Electrical Power & Energy Systems Vol 112, (2019)
13. A.Naraina & K.V.B.Subramaniyan "Improved Cat-Firefly Algorithm With Facts Controllers For Improvement Of Voltage Profile In IEEE Modified 14 Bus Systems" IOP Journal of Material Sciences Vol. 08,(2020)

#### **BOOKS CHAPTERS PUBLISHED:**

- Chapter 12 Innovative Applications in Engineering and Technology, Jupiter Publications Consortium.

#### **INTERNATIONAL CONFERENCES:**

1. **Avudayappan, Naraina & S N, Deepa**, 'Static voltage index approach for in congestion management in deregulated power system with TCSC and SVC FACTS devices', in International Conference on Recent Trends in Engineering and Material Sciences(ICEMS),2016.Jaipur University International Conference on, pp. 305.
2. **Avudayappan, Naraina** ' Optimization of power flow in AC coaches of Indian railways from battery to AC compressors', in 5<sup>th</sup> International Conference on Advances in Computing , Control, Communication, Automation and Structural Engineering,2016. Al-Ammen Engineering College Erode.
3. **Avudayappan, Naraina & S N, Deepa**, ' Rotor cage fault diagnostics in three phase Squirrel Cage induction machine', in 2<sup>nd</sup> International Conference on Engineering Technology and Science, 2015.Muthayammal College Of Engineering Rasipuram.
4. **Avudayappan, Naraina & S N, Deepa**, ' A modified current controller for single phase systems' ,in International Conference on Advancements in Automation and Control,2014. Syed Ammal Engineering College, Ramanathapuram.

5. **Avudayappan, Naraina & S N, Deepa**, 'Fuzzy based controller for coordination control of FACTS devices in deregulated power system', in 3rd International Conference on Soft Computing for Problem Solving(SocProS),2013. IIT Roorkee International Conference on, pp.375-380.