

**Name** : Dr. R. ASHOK KUMAR  
**Designation** : PROFESSOR  
**Department** : ELECTRICAL ENGINEERING  
**Qualification** : B.E.,M.E.,Ph.D.,  
: RADIAL DISTRIBUTION  
**Specialization** : SYSTEM,DEREGULATION,FACTS, SOFT COMPUTING  
TECHNIQUES, SCHEDULING OF POWER SYSTEMS

## LIST OF PUBLICATIONS

### International Journals

1. **K. Asokan and R. Ashok Kumar**, “An Innovative approach for self Scheduling of Generation companies to maximize the Profit by considering Reserve generation”. *Australian Journal of Basic and Applied sciences*, Vol. 8, No. 6, pp. 179-195, April 2014.
2. **K. Asokan and R. Ashok Kumar**, “Firefly algorithm based optimization of Strategic bidding to maximize Profit and Benefit of Competitive Electricity market”. *International Review on Modeling and Simulations (I.RE.MO.S.)*, Vol. 7, No. 1, pp. 175-184 Feb, 2014.
3. **K. Asokan and R. Ashok Kumar**, “Emission controlled Profit based Unit commitment for GENCOs using MPPD Table with ABC algorithm under Competitive Environment”. *WSEAS Transaction on Systems*, Accepted for publications.
4. **K. Asokan and R. Ashok Kumar**, “A simple approach for optimal generation scheduling to maximize GENCOs profit using PPD table and ABC algorithm under deregulated environment”, *International Journal of Applied Power Engineering*, Vol. 2, No. 3, pp. 125-140, Dec 2013.
5. **K. Asokan and R. Ashok Kumar**, “Application of Firefly algorithm for solving Strategic bidding to maximize the Profit of IPPs in Electricity Market with Risk constraints”. *International Journal of Current Engineering and Technology*, Vol. 4, No. 1, pp. 37-44, Feb 2014.
6. **K. Asokan and R. Ashok Kumar**, “An Effective methodology for Profit and Benefit maximization of Market Participants by Trading of Electric Energy under Competitive Environment”. *International Journal of Development Research*, Vol. 4, No. 3, pp. 525-534, March 2014.
7. **K. Asokan and R. Ashok Kumar**, “A novel LR-QPSO algorithm for profit maximization of GENCOs in deregulated power system”, *International Journal of Computer Applications*, Vol. 63, No. 1, pp. 20-31, Feb 2013.
8. **K. Asokan and R. Ashok Kumar**, “Modelling of bidding strategies for power suppliers and large consumers in electricity market with risk analysis”, *International Journal of Soft Computing and Engineering*, Vol. 3, No. 2, pp. 271-276, May 2013.

9. **K. Asokan and R. Ashok Kumar**, “Optimal generation scheduling strategy for profit maximization of GENCO in Deregulated power system”, *IOSR Journal of Electrical and Electronics Engineering*, Vol. 2, No. 3, pp. 13-20, Sep 2012.
10. **Vidhya P., Ashok Kumar, R., Asokan, K.**, (2016a), Wheeling Charges Reduction Strategy in Restructured Power System by Implementation of FACTS Devices, *International Journal of Advanced Engineering Technology (IJAET)*, Vol. 7, Issue 2, pp. 813-816.
11. **Vidhya P., Ashok Kumar, R., Asokan, K.**, (2016b), Evaluation of Transmission Pricing Strategy in Restructured Power System by Implementation of Statcom Devices, *International Journal of Research and Reviews in Applied Sciences, and Engineering (IJRRASE)*, Vol. 8, Issue 1, pp. 105-116.
12. **Vidhya P., Ashok Kumar, R., Asokan, K.**, (2016c), A Novel MVA – Mile Method Based Cost Allocation Scheme for Competitive Power System by Employing SSSC Controller, *Middle-East Journal of Scientific Research*, 24 (10): 3230-3242.
13. **Vidhya P., Ashok Kumar, R., Asokan, K.**, (2017a), An Effective Methodology with UPFC Controller for Locational Marginal Pricing in Competitive Energy Markets, *International Journal of Engineering and Applied Sciences (IJEAS)*, Vol. - 4, Issue-3.
14. **Vidhya P., Ashok Kumar, R., Asokan, K.**, (2017b), A New Approach for Determination of Real and Reactive Power Pricing Using UPFC in Indian Electricity Market, *International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE)* Vol. - 24, Issue-7, pp.25-39.
15. **Vidhya P., Ashok Kumar, R., Asokan, K.**, “Performance analysis of wheeling charges determination using bilevels tracing method employing with IPFC controller in deregulated environment, *Journal of Electrical and Electronics Engineering (IOSR)*, Vol. 12, Issue 2, pp. 64-75.
16. **Baburao Pasupulati., Ashok Kumar, R., and Asokan, K.**, (2018a), An Intelligent Soft Computing Technique for Optimal Power Dispatch of Hydrothermal Systems, *International Journal of Applied Engineering Research (IJAER)*, Vol. 13(12), pp. 10939-10947. [**Scopus and UGC Journal No. 64529**]
17. **Baburao Pasupulati., Ashok Kumar, R., Balamurugan, G., and Asokan, K.**, (2018b), A Non-dominated Sorting TLBO Algorithm for Multi-objective Short-term Hydrothermal Self Scheduling of GENCOs in a Competitive Electricity Market, *International Journal of Computer Sciences and Engineering (IJCSE)*, Vol. 6(8), pp. 191-203. [**UGC Journal No. 63193**]
18. **Baburao Pasupulati., Ashok Kumar, R., and Asokan, K.**, (2018c), Optimal Scheduling of Hydrothermal System Considering Different Environmental Emissions Using NSTLBO Approach, *International Journal of Renewable Energy Research (IJRER)*. Vol. 8(4), pp. 1913-1925. - (Scopus, EBSCO, Web

19. Baburao Pasupulati., Ashok Kumar, R., and **Asokan, K.**, (2018g), An Improved Teaching Learning Based Optimization Algorithm for Optimal Scheduling of Short-Term Hydrothermal System Considering Valve-Point Loading Effect, *Journal of Electrical Engineering (JEE)*.Vol. 18(4), pp. - (ANNEXURE-1)
20. Rajalakshmi, G., Ashok Kumar, R., and **Asokan, K.**, (2018d), Sigma-Delta Controller for Speed Regulation of Interleaved Converter Fed PMDC Motor Drive, *International Journal of Computer Sciences and Engineering*, Vol. 6(6), pp. 137-140.[UGC Journal No. 63193].
21. Rajalakshmi, G., Ashok Kumar, R., and **Asokan, K.**, (2018e), Design and Implementation of DSP based Interleaved Buck Converter fed PMBLDC motor Drive, *International Journal of Applied Engineering Research*, Vol. 13(20), pp. 14614-14621.[Scopus and UGC Journal No. 64529].
22. Rajalakshmi, G., Ashok Kumar, R., and **Asokan, K.**, (2018f), Power Factor Improvement of Buck-Boost AC-DC Converter using Pulse Width Modulation Strategy, *International Journal of Computer Sciences and Engineering*, Vol. 6(11), pp. 151-156. [UGC Journal No. 63193].
23. **Thiagarajan Y, Ashok Kumar R, Sivakumaran T.S and Vania V. Estrela.**, (2018), An analysis of twin-chambered Microbial fuel cell for energy harvesting using cow dung as a substrate; *International Journal of Advanced Research in Engineering and Technology (IJARET)*, Vol. 9 (6), November –December 2018, pp. 68–77. [UGC Journal No: 48673]
24. **Thiagarajan Y, Ashok Kumar R, Balamurugan .G, Dr. Sivakumaran T.S.**, (2018), Influence of Exogenous Bacteria in Cow-Dung-Fed Microbial Fuel Cell on Voltage, Current and Power Density , *International Journal of Applied Engineering Research (IJAER)*; ISSN 0973-4562, Vol.13(20), pp. 14600-14606. [Scopus and UGC Journal No: 64529]
25. **Thiagarajan Y, Ashok Kumar R, Sivakumaran T.S.**, (2019), Optimisation of electrode spacing in cow dung-fed Microbial Fuel Cell for enhanced and sustained electricity generation, *Journal of Advance research in Dynamics and Control Systems (JARDCS)*., Vol.11(1) , pp. 205-213. [Scopus and UGC Journal No: 26301]
26. **Thiagarajan Y, Ashok Kumar R, Sivakumaran T.S.**, (2019), Comparative study on performance of graphite and carbon nano tubes (CNT) coated SSM electrodes in cow dung fed Microbial fuel cell, *Caribbean Journal of Science*. Vol.52 (1), pp.1013-1031. [ISI, SCIE indexed journal].