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**List of Publications**

1. **Dr. Vijaya Chandrakala K. R. M.** and Dr. Balamurugan S., “Adaptive neuro-fuzzy scheduled load frequency controller for multi source multi area system interconnected via parallel ac-dc links”, International Journal on Electrical Engineering and Informatics, vol. 10, no. 3, pp. 479-490, 2018.
2. **Dr. Vijaya Chandrakala K. R. M.**, “Voltage source inverter based static synchronous series compensator for improved available transmission capability in a transmission line”, International Journal on Electrical Engineering and Informatics, vol. 9, no. 2, pp. 407-417, 2017.
3. **Dr. Vijaya Chandrakala K. R. M.**, Teja, K. R., Kumar, N. S., Raghavendra, P. V. P., and Majji, L. S. Bhaskar, “Fabrication of high efficient dye sensitized solar cell using eosin blue sensitizer”, International Journal on Electrical Engineering and Informatics, vol. 9, pp. 185-194, 2017.
4. D. Raj, Bhoopathi, A., and **Dr. Vijaya Chandrakala K. R. M.**, “Effect of Salt Gradient Pond for Thermal Energy Storage”, Australian Journal of Basic and Applied Sciences, vol. 10, no. 5, pp. 150-155, 2016.
5. C. K. K., A., V., and **Dr. Vijaya Chandrakala K. R. M.**, “The Impact of Salt Concentration on Thermal Energy Storage in Solar Pond”, Australian Journal of Basic and Applied Sciences, vol. 10, no. 5, pp. 156-160, 2016.
6. L. R Priya, Subi, S., Vaishnu, B., and **Dr. Vijaya Chandrakala K. R. M.**, “Study on Characterization of River Sand as Heat Storage Medium”, Indian Journal of Science and Technology, vol. 9, 2016.
7. M. P. Pranitha and **Dr. Vijaya Chandrakala K. R. M.**, “Optimal capacitor placement based improved reliability assessment of a distribution system”, Indian Journal of Science and Technology, vol. 9, 2016.
8. **Dr. Vijaya Chandrakala K. R. M.** and Dr. Balamurugan S., “Simulated annealing based optimal frequency and terminal voltage control of multi source multi area system”, International Journal of Electrical Power & Energy Systems, vol. 78, pp. 823 - 829, 2016.

9. Dr. Balamurugan S., Janarthanan, N., and **Dr. Vijaya Chandrakala K. R. M.**, “Small and large signal modeling of heavy duty gas turbine plant for load frequency control”, International Journal of Electrical Power & Energy Systems, vol. 79, pp. 84 - 88, 2016.
10. M. Anju V. S, **Dr. Vijaya Chandrakala K. R. M.**, Balamurugan, D. S., and Janarthanan, M. N., “Simulated Annealing Based Optimal Load Frequency Control of a Two Area Non -Linear System with Static Synchronous Series Compensator”, International Journal of Applied Engineering Research, vol. 10, pp. 3165-3170, 2015.
11. R. Abhilash, Adithya, K., O Kumar, K., Balaji, T. J., **Dr. Vijaya Chandrakala K. R. M.**, and Dr. Balamurugan S., “PLC-SCADA Based Supply Side Management in Deregulated Power Market”, WSEAS Transactions on Power Systems, vol. 10, pp. 97-104, 2015.
12. U. V., N., J., Dr. Balamurugan S., and **Dr. Vijaya Chandrakala K. R. M.**, “Stability Enhancement of a Synchronous Generator Connected to an Infinite Bus Bar Using SSSC”, International Journal of Applied Engineering Research, vol. 10, no. 55, pp. 3590-3595, 2015.
13. J. N., Dr. Balamurugan S., N., K., and **Dr. Vijaya Chandrakala K. R. M.**, “Design Aspects and Impact Analysis of TCSC”, International Journal of Applied Engineering Research, vol. 10, no. 55, pp. 3515-3518, 2015.
14. **Dr. Vijaya Chandrakala K. R. M.**, Balamurugan, S., Janarthanan, N., and Anand, B., “Variable structure fuzzy gain schedule based load frequency control of non-linear multi source multi area hydro thermal system”, International Journal on Electrical Engineering and Informatics, vol. 6, p. 785, 2014.
15. S. Balamurugan, Shanthini, B. M., Lekshmi R. R., and **Dr. Vijaya Chandrakala K. R. M.**, “Fuzzy Based Tariff”, Journal of Electrical Systems, vol. 10, pp. 465 - 471, 2014.
16. **Dr. Vijaya Chandrakala K. R. M.**, Sukumar, B., and Sankaranarayanan, K., “Load Frequency Control of Multi-source Multi-area Hydro Thermal System Using Flexible Alternating Current Transmission System Devices”, Electric Power Components and Systems, vol. 42, pp. 927-934, 2014.
17. **Dr. Vijaya Chandrakala K. R. M.**, Balamurugan, S., and K, S., “Variable structure fuzzy gain scheduling based load frequency controller for multi source multi area hydro thermal system”, International Journal of Electrical Power & Energy Systems, vol. 53, pp. 375–381, 2013.

18. **Dr. Vijaya Chandrakala K. R. M.**, Dr. Balamurugan S., and Sankaranarayanan, K., “Damping of tie-line power oscillation in interconnected power system using variable structure system and unified power flow controller”, Journal of Electrical Systems, vol. 8, pp. 85-94, 2012.
19. **Dr. Vijaya Chandrakala K. R. M.**, Dr. Balamurugan S., and Sankaranarayanan, Kb, “Genetic algorithm tuned optimal variable structure system controller for enhanced load frequency control”, International Review of Electrical Engineering, vol. 7, pp. 4105-4112, 2012.
20. **Dr. Vijaya Chandrakala K. R. M.**, Dr. Balamurugan S., and Sankaranarayanan, Kb, “Development of variable structure fuzzy gain scheduling controller for an interconnected power system”, International Review on Modelling and Simulations, vol. 5, pp. 2228-2234, 2012.
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