

LIST OF PUBLICATIONS

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1. Kiran, P., **VijayaChandrakala K.R.M.**, New Interactive Agent Based Reinforcement Learning Approach towards Smart Generator Bidding in Electricity Market with Micro Grid Integration”, Applied Soft Computing Journal – Elsevier, Part A, December 2020
2. Purushothaman, K., Chandrakala, V, “Roth-Erev Reinforcement Learning Approach for Smart Generator Bidding towards Long Term Electricity Market Operation Using Agent Based Dynamic Modeling “, Electric Power Components and Systems – T&F, 48,3, 2020
3. Kiran, P., **VijayaChandrakala K.R.M.**, “Variant Roth-Erev Reinforcement Learning Algorithm-Based Smart Generator Bidding as Agents in Electricity Market”, Advances in Intelligent Systems and Computing”, Vol.1048, pp.991-1001, 2020.
4. Vinayramsathish, G., **VijayaChandrakala K.R.M.**, Sampath Kumar S., “Standalone Solar Photovoltaic Fed Automatic Voltage Regulator for Voltage Control of Synchronous Generator”, Advances in Intelligent Systems and Computing”, Vol.1048, pp.991-1001, 2020.
5. Peer M.A., **Vijaya C. K.R.M.**, Dual Input Interleaved SEPIC Converter based Ripple Current Reduction in Hybrid Electric Vehicle Application”, 2019 Innovations in Power and Advanced Computing Technologies, i-PACT 2019.
6. Vishnu Verchas, S., VijayaChandrakala, K.R.M., “Predictive Control on Power Source Selection in Hybrid Vehicle System”, IOP Conference Series: Material Science and Engineering, Vol.577, December 2019.
7. Peer Mohamed, A., VijayaChandrakala, K.R.M., Saravanan S., “Comparative study of maximum power point tracking techniques for fuel cell powered electric vehicle”, IOP Conference Series: Material Science and Engineering, Vol.577, December 2019.
8. Adithya, K., **VijayaChandrakala, K.R.M.**, Nakka, S., “Advanced encryption standard crypto block verification utility”, Proceedings of the 2019 IEEE International Conference on Communication and Signal Processing, ICCSP 2019.

9. Abhin, A., **VijayaChandrakala, K.R.M.**, “Hybrid Energy Storage System for an Electric Vehicle Powered by Brushless DC Motor”, 2018 International Conference on Control, Power, Communication and Computing Technologies, ICCPCCT 2018.
10. **VijayaChandrakala, K.R.M.**, 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(3), pp.479-490, 2018.
11. Arya, K., **Chandrakala, K.R.M.V.**, “Fuzzy logic controller based instantaneous p-q theory for power quality improvement “, Proceedings of 2017 IEEE International Conference on Technological Advancements in Power and Energy: Exploring Energy Solutions for an Intelligent Power Grid, TAP Energy, 2018.
12. Kiran, P., **Chandrakala, K.R.M.V.**, Nambiar, T.N.P., “Day ahead market operation with agent based modeling”, Proceedings of 2017 IEEE International Conference on Technological Advancements in Power and Energy: Exploring Energy Solutions for an Intelligent Power Grid, TAP Energy, 2018.
13. Balamurugan, S., Shree, S.R., **Chandrakala, K.R.M.V.**, “Congestion management for multi area deregulated power system using price area concept”, Proceedings of 2017 IEEE International Conference on Technological Advancements in Power and Energy: Exploring Energy Solutions for an Intelligent Power Grid, TAP Energy, 2018.
14. Kiran, P., **Chandrakala, K.R.M.V.**, Nambiar, T.N.P., “Multi-agent based systems on microgrid - A review”, Proceedings of 2017 International Conference on Intelligent Computing and Control, I2C2, 2018.
15. Jenipher, R.N., **Chandrakala, K.R.M.V.**, “Magnetically controlled reactor based harmonic and voltage profile improvement in long transmission lines”, 2017 Innovations in Power and Advanced Computing Technologies, i-PACT , 2018.
16. K. Anirudh, **K.R.M. VijayaChandrakala**, “Dynamic contribution of DFIG based wind energy penetration in interconnected system for improved load frequency control”, International Journal of Pure and Applied Mathematics, Vol.115, No.15, pp.625-629, 2018.
17. **K.R.M. VijayaChandrakala**, “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, June 2017.

18. **K.R.M. VijayaChandrakala**, K. Ravi Teja, N. Sandeep Kumar, P. VivekPhaniRaghavendra, LNV SaiBhaskarMajji, "Fabrication of high efficient dye sensitized solar cell using eosin blue sensitizer", International Journal on Electrical Engineering and Informatics, Vol.9, No.1, , pp. 185-194, March 2017.
19. P. Pranitha and **K.R.M. VijayaChandrakala**, "Optimal capacitor placement based improved reliability assessment of a distribution system", Indian Journal of Science and Technology, Vol.9, Issue 30, pp.1-7, August 2016.
20. R.LalithaPriya, SalimSubi, B. Vaishnu and **K.R.M. VijayaChandrakala**, "Study on characterization of river sand as heat storage medium", Indian Journal of Science and Technology, Vol. 9, Issue No. 30, pp.1-5, August 2016.
21. Chaithanya K K, Vishnu Priyadharshini A and **VijayaChandrakala K R M**," The impact of salt concentration on thermal energy storage in solar pond", Australian Journal of Basic and Applied Sciences, Vol. 10, Issue No. 5, pp. 156-160, Special 2016.
22. Dileep V Raj, ArunBhoopathi and **VijayaChandrakala K R M**," Effect of salt gradient pond for Thermal Energy Storage", Australian Journal of Basic and Applied Sciences, Vol. 10, Issue No. 5, pp. 150-155, Special 2016.
23. S. Balamurugan, N. Janarthanan and **K.R.M. VijayaChandrakala**, "Small and large signal modeling of heavy duty gas turbine plant for load frequency control", International Journal of Electrical Power and Energy Systems, Vol.79, pp.84-88, July 2016.
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25. Ms. Anju V S, **Dr. K.R.M. VijayaChandrakala**, Dr. S. Balamurugan and Mr. N.Janarthanan, " 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 No.55, pp.3165-3170, June 2015.