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Publications- Journals

1. Kiran, P., **Vijaya Chandrakala 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
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3. Kiran, P., **Vijaya Chandrakala 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., **Vijaya Chandrakala 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. **Vijaya Chandrakala, 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.
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10. R.Lalitha Priya, Salim Subi, B. Vaishnu and **K.R.M. Vijaya Chandrakala**, “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.
11. Chaithanya K K, Vishnu Priyadharshini A and **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, Issue No. 5, pp. 156-160, Special 2016.
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13. S. Balamurugan, N. Janarthanan and **K.R.M. Vijaya Chandrakala**, “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.
14. **K.R.M. Vijaya Chandrakala** and S. Balamurugan, “Simulated annealing based optimal frequency and terminal voltage control of multi source multi area system”, International Journal of Electrical Power and Energy Systems, Vol.78, pp.823-829, June 2016.

15. Ms. Anju V S, **Dr. K.R.M. Vijaya Chandrakala**, 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.
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17. Unnikrishnan V, N. Janarthanan, Dr. S. Balamurugan and **Dr. K.R.M Vijaya Chandrakala**, “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, June 2015.
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1. Anju V.S., **K.R.M. Vijaya Chandrakala**, S. Balamurugan and N. Janarthanan, “Simulated Annealing Based Optimal Load Frequency Controller of a Two Area Non-Linear Plant with Static Synchronous Series Compensator”, International Conference on Advances in Applied Engineering and Technology-2015 (ICAAET-2015), Syed Ammal Engineering College, Ramanathapuram, Tamil Nadu (14-16th May), 15th May, 2015.
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4. S. Balamurugan, N. Janarthanan and **K.R.M. Vijaya Chandrakala**, “Laboratory model to teach surge impedance loading”, Biennial International Conference on Power and Energy Systems: Towards Sustainable Energy -2016 (on 22nd Jan), Amrita School of Engineering, Kasavanahalli, Bengaluru, India during 21-23rd January, 2016.
5. Chaithanya K K, Vishnu Priyadharshini A and **Vijaya Chandrakala K R M**,” The impact of salt concentration on thermal energy storage in solar pond”, Second International Conference on Intelligent Computing and Applications (ICICA 2016), KCG College of Technology, Karapakkam, Chennai during 5-6th February, 2016.
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7. Lalitha Priya R., Subi Salim, Vaishnu B. and **K.R.M. Vijaya Chandrakala**,” Study on characterization of river sand as heat storage medium, IEEE sponsored 3rd international conference on innovations in information, embedded and communication systems (ICIIECS’16), Proceedings of ICIIECS’16, Vol.5, pp. 168-170, Karpagam College of Engineering, Pollachi, Coimbatore during 17-18th March, 2016.
8. Pranitha M.P. and **K.R.M. Vijaya Chandrakala**, “Optimal capacitor placement based reliability assessment of a distribution network”, IEEE sponsored 3rd international conference on innovations in information, embedded and communication systems (ICIIECS’16), Proceedings of ICIIECS’16, Vol.6, pp. 213-218, Karpagam College of Engineering, Pollachi, Coimbatore during 17-18th March, 2016.
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10. Kiran P., **K.R.M. Vijaya Chandrakala** and T.N.P. Nambiar, "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.
11. S. Balamurugan, Roshini Shree, **K.R.M. Vijaya Chandrakala**, "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.
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13. Kiran P., **K.R.M. Vijaya Chandrakala** and T.N.P. Nambiar, "Multi-agent based systems on micro grid-A review, Proceedings of 2017 International Conference on Intelligent Computing and Control (I2C2), 2018.
14. Arya K., **K.R.M. Vijaya Chandrakala**, "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.
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19. Abhin, A., **Vijaya Chandrakala, 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.
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