

Publications List of **Dr.C.Kumar(Affiliated institution)** in the last 5 years

1. **C.Kumar**, "A Novel Salp Swarm Assisted Hybrid Maximum Power Point Tracking Algorithm for the Solar Photovoltaic Power Generation Systems", *Automatika*: Taylor & Francis, September 2020
2. **C.Kumar**, "A Novel Non isolated High step up DC-DC Converter technology using single semiconductor switch for solar PV system applications", *Electrical Engineering*: Springer, January 2020.
3. **C.Kumar**, "Deep Learning and Reinforcement Learning Approach on Microgrid", *International Transactions on Electrical Energy Systems*: John Wiley & Sons Ltd, June 2020
4. **C.Kumar**, "Dynamic Performance Improvement of Buck-Cuk Converter in Renewable Energy Resources using EHO Optimized PR Controller", *IET Power Electronics*, 2020.
5. **C.Kumar**, "A New Stochastic Slime Mould Optimization Algorithm for the Estimation of Solar Photovoltaic Cell Parameters - *International Journal for Light and Electron Optics*: Elsevier, July 2020.
6. **C.Kumar**, "A New Non – Isolated High Step up DC-DC Converter Topology with High Voltage gain using Voltage Multiplier Cell Circuit for Solar Photovoltaic System Applications", *Journal of Circuits, Systems and Computers*: World Scientific Publishing, June 2020
7. **C.Kumar**, "Analysis and Implementation of High-Performance DC-DC Step-Up Converter for Multilevel Boost Structure", *Frontiers in Energy Research*, pp. 1-11, December 2019.
8. **C.Kumar**, "Differential Evolution Caps Net model for QoS routing enhancement in Wireless Networks", *International Journal of Communication Systems*, ISSN: 1099-1131, John Wiley & Sons Ltd, 2019.
9. **C Kumar**, "A Novel Distribution System Reconfiguration for Loss Minimization using Symbiotic Organism Search Algorithm", *Journal of Intelligent and Fuzzy System*, Vol. 5, No. 36, pp 4319-4326, MAY 2019
10. **C Kumar**, "Artificial Intelligence Based Home Automation System ", *International Journal of Scientific and Technology Research*, Vol. 8, No. 7, pp 145-148, JUL 2019
11. **C Kumar** ,"Effect of Distributed Generation and STATCOM in Multi-Machine System for Real Power Loss Minimization", *International Journal of Scientific and Technology Research*, Vol. 8, No. 7, pp 579-582, JUL 2019
12. **C Kumar**, "Design of Controllers for an Inverted Cone Water Tank", *International Journal of Pure and Applied Mathematics*, Vol. 119, No. 16, pp 4591-4597, 2018
13. **C Kumar** ,"Design and Implementation of PI Controller tuned by Fuzzy Logic for Water Level Control of Spherical Tank System", *Journal of Electrical Engineering* , Vol. 17, No. 4, pp 1-10, 2017
14. **C Kumar**, "A Solution to Unit Commitment Problem Using Fire Works Algorithm", *Electric Power and Energy Systems*, Vol. , No. 77, pp 221-227, MAY 2016
15. **C Kumar**, "Performance Analysis of L-G and L-L Fault of an Autonomous Microgrid using Matlab", *Asian Journal of Information Technology*, Vol. 15, No. 4, pp 743-749, MAR 2016

16. **C Kumar**, "Selection of Suitable FACTS device for Indian Utility System to Reduce Losses", Asian Journal of Information Technology, Vol. 15, No. 4, pp 791-794, MAY 2016
17. **C Kumar**, "A Tuned Differential Evolution Algorithm for Ramp Constrained Economic Dispatch Problem", European Journal of Scientific Research, Vol. 59, No. 3, pp 383-395, 2011
18. **C Kumar**, "A Novel Algorithm Unit Commitment Problem by a Fuzzy tuned Particle Swarm Optimization", European Journal of Scientific Research, Vol. 64, No. 1, pp 157-167, 2011
19. **C Kumar**, "Dynamic Economic Dispatch: A Review of Solution Methodologies", European Journal of Scientific Research, Vol. 64, No. 4, pp 517-537, 2011
20. **C Kumar**, "A Differential Evolution algorithm with population diversity for solving the profit based unit commitment", European Journal of Scientific Research, Vol. 66, No. 1, pp 29-40, 2011
21. **C Kumar**, "Design of Fractional Order IMC-PID Controller for Non-Linear Process", International Journal of Pure and Applied Mathematics, Vol. 119, No. 16, pp 4443-4449,