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PUBLICATION IN INTERNATIONAL JOURNAL PUBLICATION LAST FIVE YEARS:

1. **K. Dhayalini** & Vigneshwaran. P, 2020, “IOT and Renewable Energy Systems Based Connected Chair for Health Monitoring”, in Materials Science and Engineering 937 (2020) 012041 (**Scopus Indexed**)
2. **K. Dhayalini** & Priyadarshini. S.A, 2020, “Connected Chair for Health Monitoring Through IOT and Computer Vision.”, in Materials Science and Engineering 937 (2020) 012041 (**Scopus Indexed**)
3. K.S. Gowthaman, **K. Dhayalini** & S. Palaniyappan, 2020, “Locating Electric Vehicle Charging Station Depends On Vehicle Count/Density”, in High Technology Letters, Volume 26, Issue 7, pp: 751-759 (**Scopus Indexed**)
4. **K. Dhayalini** & Subramaniya Siva.A, 2020, “Flower pollination algorithm for economic dispatch problems with non-smooth cost function”, in IEEE Explore digital Library, pp:254-257 (**Scopus Indexed**)
5. **K. Dhayalini** & Mukesh. R, 2020, “Series voltage injection for the regulation of load voltage using SPWM based single phase inverter”, in IEEE Explore digital Library, pp:197-200 (**Scopus Indexed**)
6. **K. Dhayalini** & Prabhu. A, 2020, “Optimization of wind thermal coordination dispatch using Flower Pollination Algorithm”, in IEEE Explore digital Library, pp:488-492 (**Scopus Indexed**)
7. **K. Dhayalini** & S.Kirthika 2020, “Power Oscillation damping using UPFC” in International Journal of Scientific and Technology Research, Vol.9, No.4, pp:1256-1259 (**Scopus Indexed**)
8. **Dhayalini.K** & R. Mukesh, 2020, “Optimal setting and sizing of solar photovoltaic generation in an electrical distribution system” published in IEEE xplore digital, pp:01-05. (**Scopus Indexed**)

9. **Durgadevi.A**, Dhayalini.K & Saran Raj.R, 2019, “Performance of controllers for non linear process” published in International Journal of Electrical and Electronics Engineering, Vol.6, No.11, pp:01-06
10. **Dhayalini.K** & Priyadharshini. S.A, 2019, “Smart Energy meter and feedback system for effective utility of power” published in International Journal of Innovative research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.7, No.5, pp:90-95
11. **Dhayalini.K** & Priyadharshini.S.A, 2019, “A smart systematic approach for Licence registration process” published in International Journal of Innovative research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.7, No.5, pp:60-65
12. **Dhayalini.K** & Durgadevi.A, 2019, “Soldier health care monitoring and tracking system using LabVIEW and Zigbee” published in International Journal of Innovative research in Electrical, Electronics, Instrumentation and Control Engineering, Vol.7, No.6, pp:14-18
13. **Dhayalini.K**, 2018, “Optimal allocation of distributed solar photovoltaic generation on electrical distribution system under uncertainties” published in Journal of Engineering Research, Kuwait University, Vol.6, No.3, pp: 151-169. (**Scopus & SCI Indexed**)
14. **Dhayalini.K** & **Vinothini.N**, 2018, “Design of multilevel inverter using Nearest Level Control Technique with reduced power switches” published in IEEE Xplore Digital Library, pp: 568-571. (**Scopus Indexed**)
15. **Dhayalini.K** & **Mukesh.R**, 2018, “Deterioration and non-deterioration waste separation using pick and place” published in IEEE Xplore Digital Library, pp: 96-99. (**Scopus Indexed**)
16. **Dhayalini.K** & **Richard.S.P** 2018 “Design and simulation of neutral point clamped multilevel inverter using HSVM algorithm” International Journal of Pure and applied mathematics, Vol.118, No.18, pp.2089-2095. (**Scopus Indexed**)
17. **Dhayalini.K** & **Mukesh.R**, 2018 “Active power filter for vehicle to grid application using bidirectional conversion techniques in manufacturing industries” International Journal of Pure and applied mathematics, Vol.118, No.18, pp.1971-1980. (**Scopus Indexed**)

18. **Dhayalini.K & Mukesh .R**, 2017, “Optimal tracing based real power loss in transmission lines” published in IEEE Xplore Digital Library, pp: 20-25. (**Scopus Indexed**)
19. **Dhayalini.K**, 2017, “Design and Development of Islanding detection Algorithm for control of micro-grid”, Journal of Chemical and Pharmaceutical Sciences, Vol.10, No.1, pp.536-542. (**Scopus Indexed**)
20. **Dhayalini.K & Durgadevi.A**, 2017 “IOT based design and analysis of robotic vehicle movement for military applications” International Journal of Innovations & Advancement in Computer science, Vol.6, No.11, pp.668-673.
21. **Dhayalini.K & Priyadharshni S.A**, 2017 “ MEMS multisensory based intelligent damage detection for wind turbines” International Journal of Computer and mathematical sciences Vol.6, No.11,pp181-189
22. **Dhasarathan.R & Dhayalini.K**, 2017, ‘Flower Pollination Algorithm for Economic Dispatch problems with non smooth cost functions’, International Journal of Innovative Research in Science, Engineering and Technology, Vol.6, No.6 pp.
23. **Dhayalini. K**, 2017, ‘Hybrid Particle Swarm Optimization - Genetic Algorithm Based Optimal Dispatch of Wind and Thermal System’, Asian Journal of Research in Social Sciences and Humanities, vol. 7, no.1, pp364 -383. (**Scopus Indexed**)
24. **Dhayalini. K**, 2016, ‘A novel electrical and mechanical MPPT for Solar Photovoltaic System at any climatic condition and sudden changes in the irradiance ’, International Journal of Advancement in Chemistry, vol. 12, no.18, pp.5070 -5079.
25. **Dhayalini. K**, 2016, ‘Optimization Of Wind-Thermal Coordination Dispatch Using Flower Pollination Algorithm’, International Journal of Advancement in Chemistry, vol. 12, no.16, pp. 4963 – 4970.
26. **Dhayalini. K**, 2016, ‘Locational Marginal Prices based Optimization of Integrated Wind power grids using Restructured Power System’, International Journal of Electronics, Electrical and Computational system, vol. 05, no.11, pp. 64 -74,
27. **Dhayalini. K, Sathiyamoorthy. S & Christoher Asir Rajan. C** 2014, ‘Genetic Algorithm for the coordination of wind-thermal dispatch’, Przegląd Elektrotechniczny, Poland, vol.2014, no.9, pp.45-48.(**Scopus Indexed**)

28. **Dhayalini. K, Sathiyamoorthy. S & Christoher Asir Rajan. C** 2014, 'Performance Comparison of GA and PSO on Wind and Thermal Generation Dispatch', *Advanced Materials Research*, Switzerland, vol. 984, pp.759-763.
29. **Dhayalini. K, Sathiyamoorthy. S & Christoher Asir Rajan. C** 2014, 'Hybrid Evolutionary Particle Swarm optimization for the Coordination of wind and thermal generation dispatch', *Applied Mechanics and Materials*, Switzerland, vol. 573, pp.684-689.
30. **Dhayalini. K, Sathiyamoorthy. S & Christoher Asir Rajan.C** 2014, 'Evolutionary Programming based Optimal Wind and Thermal Generation Dispatch with valve point effect', *International Review on Modelling and Simulations*, Italy, vol.7, no.4, pp.598-604.
31. **Dhayalini. K, Sathiyamoorthy. S & Christoher Asir Rajan. C** 2014, 'Genetic Algorithm based Wind-Thermal Coordination Dispatch including Transmission Losses', *Lecture Notes in Electrical Engineering (Springer)*, Germany, vol.326, pp.329-340.**(Springer) (Scopus Indexed)**
32. **Darsana. S.R, Dhayalini. K & Sathiyamoorthy. S,** 2014,'Solution of Economic Dispatch Problem with Smooth and Non smooth Cost Function using Particle Swarm Optimization', *Advanced Materials Research*, Switzerland, vol. 985, pp.1295-1300.
33. **Dhayalini. K, Sathiyamoorthy. S & Christoher Asir Rajan. C** 2013, 'Coordination of Wind Thermal Generation Dispatch using Genetic Algorithm', *Archives Des Sciences*, Switzerland, vol.66, no.1, pp.105-119.
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38. **Dhayalini. K, Sathiyamoorthy. S & Christoher Asir Rajan. C** 2012, 'GA Solution to coordinate the wind thermal generation Dispatch' published in *IEEE Xplore Digital Library*, ISBN 978-81-909042-2-3, and pp: 326-331. **(Scopus Indexed)**

39. **Saravanan. K & Dhayalini. K** 2012, 'Optimal Wind Thermal Coordination Dispatch Using Direct Search Method', International Journal of Communication and Engineering, vol.04, no.4, pp.26-33.
40. **Dhayalini. K, Sathiyamoorthy. S & Christofer Asir Rajan. C** 2012, 'Particle Swarm Optimization based coordination of wind thermal generation dispatch', International Journal of Communication and Engineering, vol.02, no.4, pp.44-49.
41. **Elavarasi. K & Dhayalini. K** 2012, 'A Novel Coupled Inductor based Wide Input Wide Output DC-DC Converter', CiiT International Journal of Programmable Device Circuits, vol.1, no.1, pp. 602-609.
42. **Bhuvneswari. M & Dhayalini. K** 2012, 'Design and Simulation of Boost Converter with Ripple Reduction', Ciit International Journal of Digital signal Processing, vol.3, no.1, pp. 401-407.
43. **Dhayalini. K, Amsaraj. G & Sathiyamoorthy. S** 2013, 'Optimization of thermal load dispatch model constrained by wind power', International Journal of Science, Engineering and Technology Research Vol.2, Issue.1 January 2013, pp 197-201.
44. **Dhayalini. K, Deepu. M.S, Sathiyamoorthy. S & Christofer Asir Rajan, C** 2013, 'Estimating the Cost of Wind Power in a Restructured Power System Based on Locational Marginal Prices' International Journal of Scientific & Engineering Research(IJSER), vol. 4, no.8, pp.86-94.
45. **Sudha. S & Dhayalini. K**, 2013, 'A Novel method for solving unit commitment problem', International Journal of Science, Engineering and Technology Research, vol.2, no.1, pp 202-205.
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47. **Dhayalini, K, Sathiyamoorthy, S & ChristoferAsirRajan, C**, 2013, 'An Evolutionary algorithm for the solution of wind thermal dispatch', International Journal of Engineering Science and Technology, vol. 5, no.6, pp30-36.
48. **Sivamurugan. R, Dhayalini. K & Sathiyamoorthy. S**, 2014, 'Single Phase Grid Connected Wind Power using Chopper Based PI Controller', International Journal of Innovative Research in Science, Engineering and Technology, vol.3, no.3, pp.540-544.
49. **Marva. M & Dhayalini. K**, 2015, 'Solution to Economic Dispatch Problem with Non Smooth Cost Function using Improved Particle Swarm Optimization', International Journal of Electronics, Electrical and Computational Systems, vol. 4, pp.53-61.

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