List of Publications

1. O.V.Gnana Swathika, S.Hemamalini, Graph Theory and Optimization Algorithms Aided Adaptive Protection in Reconfigurable Microgrid, Journal of Electrical Engineering & Technology, 15(1), 421-431, Jan. 2020.

2. ParvathiSangeetha B and Hemamalini S, Rational-Dilation Wavelet Transform Based Torque Estimation from Acoustic Signals for Fault Diagnosis in a Three-Phase Induction Motor, IEEE Trans. on Industrial Informatics, 15 (6), 3492-3501, Jun. 2019.

3. Swathika, O.V.G., Hemamalini, S. Graph Theory and Optimization Algorithms Aided Adaptive Protection in Reconfigurable Microgrid, Journal of Electrical Engineering & Technology 15, pp.421–431, May 2019.

4. M. Lakshmi, S. Hemamalini, Coordinated control of MPPT and voltage regulation using single-stage high gain DC–DC converter in a grid-connected PV system, Electric Power Systems Research, 169, pp.65-73, April 2019.

5. R. Srimathi, S. Hemamalini, Performance Analysis of Single-Stage LED Buck Driver Topologies for Low-Voltage DC Distribution Systems, IETE Journal of Research, Nov. 2019.

6. P.S.Meera and S. Hemamalini, Reliability based optimal DG planning for a meshed Distribution network, Journal of Renewable and Sustainable Energy, 11(6), Nov. 2019.

7. O.V.Gnana Swathika, Dr.S.Hemamalini, LUT Assisted Adaptive Overcurrent Protection of Reconfigurable Microgrids, International journal of smart grid, vol.2, no.1, pp. 13-26, March 2018.

8. Lakshmi M, Hemamalini S, Non-isolated High Gain DC-DC Converter for DC Microgrids, IEEE Transactions on Industrial Electronics, vol. 65, no.2, pp.1205-1212, Feb. 2018.

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11. M Lakshmi, S Hemamalini, Decoupled control of grid connected photovoltaic system using fractional order controller, Ain Shams Engineering Journal 9 (4), 927-937, 2018.

12. O.V. Gnana Swathika, Adarsh Divakaran and Hemamalini.S , Hybrid Boruvka – Johnsons Algorithm for Shortest Path Identification in Reconfigurable Microgrids, Journal of Telecommunication, Electronic and Computer Engineering, Vol. 9, no. 1, pp. 63-66, 2017.

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14. O.V. Gnana Swathika, Santanab Mukhopadhyay, Yatharth Gupta, Arka Das and S. Hemamalini, Modified Cuckoo Search Algorithm for Fittest Relay Identification in Microgrid, Springer: Advances in Intelligent Systems and Computing, Vol. 516, pp. 81-87, Mar 2017.

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16. V T Sreedevi, S Hemamalini, C Vaithilingam, Editorial to the Proceedings of the First International Conference on Power Engineering Computing and CONtrol, PECCON-2017, 2-4 March 2017, Energy Procedia 117, 1-2, 2017.

17. Mehta, S., Hemamalini, S., A Dual Control Regenerative Braking Strategy for Two-Wheeler Application, Energy Procedia, 117, pp. 299-305, 2017.

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23. O.V.Gnana Swathika, Shivam Mishra, Sumedh Popali, Nilay Alokkumar, Dr.S.Hemamalini, Shortest Path Identification in Reconfigurable Microgrid Using Hybrid Bellman Ford-Dijkstras Algorithm, Advanced Science Letters, Vol. 22, issue 10, Oct.2016, pp. 2932-2935.

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