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LIST OF PUBLICATIONS

1. B. Venkatesh and **M. Venkata Kirthiga**, “Hybrid Operation Of Fuel Cell And Photovoltaic Based DGs”, International Journal of Advanced Research in Science and Engineering, Vol. 6, No. 1, January 2017, pp. 340 – 350.
2. A. Dheepanchakkravarthy, K. Venkatraman, M. P. Selvan, S. Moorthi & **M. Venkata Kirthiga**, “Capability evaluation of four-leg DSTATCOM for compensating multifarious loads”, Australian Journal of Electrical and Electronics Engineering, Taylor and Francis, 13:4, 229-243, DOI: 10.1080/1448837X.2017.1407015, 2017.
3. M. Suman, **M. Venkata Kirthiga** and S. Arul Daniel, “Hybrid Analyzing Technique for Active Islanding Detection Based on d-Axis Current Injection”, IEEE Systems Journal, Vol. 12, No. 4, pp. 3608 – 3617, December 2018 issue. .
4. M. Suman and **M. Venkata Kirthiga**, "Q-axis Current Perturbation based Active Islanding Detection for Converter Interfaced Distributed Generators ", Turkish Journal Electrical Engineering and Computer Sciences", September, 2018, pp. 2633 – 2647.
5. C. Nagamani, **M. Venkata Kirthiga** and Mini Shaji Thomas, “Power Engineering Education”, IEEE Power and Energy Magazine, September/October 2018, pp. 42 – 52.
6. M. Suman and **M. Venkata Kirthiga**, "Hybrid Analysing Technique based Active Islanding Detection for Multiple DGs", IEEE Transactions on Industrial Informatics, Vol. 15, No. 5, March 2019, pp. 1311 - 1320.
7. M. Suman and **M. Venkata Kirthiga**, “Band Pass Filter and AFVmean Based Unintentional Islanding Detection”, IET – Generation, Transmission and Distribution, ISSN 1751-8687, doi: 10.1049/iet-gtd.2018.5314, IET Gener. Transm. Distrib., 2019, Vol. 13 Iss. 9, pp. 1489-1498.
8. Prasanajit Khatua, Suman Murugesan and **Venkatakirthiga Murali**, “Estimation And Analysis Of Harmonics And Power Factor Correction In A Modern Steel Manufacturing Facility”. Journal of Institution of Engineers (India): Series B, Springer publication, Accepted for publication, DOI 10.1007/s40031-019-00394-z, pp. 1-10, Print ISSN2250-2106
9. S. Srividhya and **M. Venkata Kirthiga**, “Optimal Siting and Sizing of Distributed Generators to retain the existing Protection setup along with their technical and economic

aspects”, ISSN 1751-8687, doi: 10.1049/iet-gtd.2018.6648, IET Gener. Transm. Distrib., 2019, Vol. 13 Iss. 15, pp. 3240-3251.

10. Suryanarayana Gangolu, P.Raja, Selvan M. P. and **M.VenkataKirthiga**, “An Effective Algorithm for Fault Discrimination in Transmission Lines”, IET – Generation, Transmission and Distribution, ISSN 1751-8687, June 2019 doi: 10.1049/iet-gtd.2018.5815, Vol. 13 Iss. 13, pp. 2789-2798.
11. Suman M. and **Venkatakirthiga M.**, “Disturbance Injection based Decentralised Identification of Accidental Islanding”, IEEE Transactions on Industrial Electronics, Accepted for publication, DOI: 10.1109/TIE.2019.2917361, Vol. 67, Iss 5, pp. 3767 - 3775, 2020.
12. Suman M. and **Venkatakirthiga M.**, "Active Unintentional Islanding Detection Method for Multiple-PMSG-Based DGs", IEEE Transactions on Industrial Applications, Vol. 56, Iss 5, pp. 4700 - 4708, September 2020.
13. Suman M. and **Venkatakirthiga M.**, “Decentralised Unintentional Islanding Identification for Converter Interfaced Multiple DGs”, IEEE Transactions on Industrial Informatics, Accepted for publication, Early access, 2020.
14. Ravichandran MH, **Venkatakirthiga Murali**, Sadasivan Achari VT and CC Joseph, “ A Comprehensive Study on Transverse Flux Motor for Direct Drive Low Speed Spacecraft Applications”, IEEE Transactions on Industrial Electronics, Vol. 68, Iss 1, 2021, pp. 412-420

National Journals

1. **M.Venkata Kirthiga** and S.Arul Daniel,” Deliverables of Reconfiguration in Autonomous Microgrids”, the journal of CPRI, Vol. 10, No. 1, March 2014, pp. 75-86.