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### **LIST OF PUBLICATIONS**

1.V. Thiyagarajan & P. Somasundaram, "New Asymmetric 21-Level Inverter with Reduced Number of Switches", The Journal of Engineering Research, published by Sultan Qaboos University. Vol. 16, Issue 1, pp. 18-27 (2019).

2.V. Thiyagarajan & P. Somasundaram, "DESIGN OF NEW SYMMETRICAL NINE LEVEL INVERTER WITH REDUCED NUMBER OF SWITCHES ", Revue roumaine des sciences techniques, published by Romanian Academy. Vol. 63, Issue 2, pp. 196-201 (2018)

3.V. Thiyagarajan & P. Somasundaram, "A New Seven Level Symmetrical Inverter with Reduced Switch Count", International Journal of Power Electronics and Drive Systems, published by Institute of Advanced Engineering and Science. Vol. 9, Issue 2, pp. 921-925 (2018). page 6 / 10

4.V. Thiyagarajan & P. Somasundaram, "Multilevel Inverter Topology with Modified Pulse Width Modulation and Reduced Switch Count", Acta Polytechnica Hungarica, published by Óbuda University. Vol. 15, Issue 2, pp. 141-167 (2018)

5.Thiyagarajan V. and Somasundaram P., "Modified Nine Level Inverter with Reduced Number of Switches", International Journal of Control Theory and Applications, published by International Science Press. Vol. 10, Issue 2, pp. 217-225 (2017). —

6.S.V. Anbuselvi, P. Somasundaram, and R.P. Kumudini Devi, "Loss minimization in wind farm integrated AC/DC system by optimal injections and droop settings of VSC-MTDC systems", Turkish Journal of Electrical Engineering and Computer Sciences, published by The Scientific and Technological Research Council . Vol. 25, Issue 3, pp. 1693-1711 (2017)

7.V. Thiyagarajan & P. Somasundaram, "Modified Seven Level Symmetric Inverter with Reduced Switch Count", Advances in Natural and Applied Sciences, published by BYAENSI Publication. Vol. 11, Issue 7, pp. 264-271 (2017)

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11. S.V. Anbuselvi, P. Somasundaram, and R.P. Kumudini Devi, "Impact of current controller dynamics in small signal stability analysis of two terminal VSC-HVDC system employing grid voltage vector orientation control", INTERNATIONAL TRANSACTIONS ON

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13. Karthikeyan A., Thiagarajan V., Somasundaram P., "Comparative analysis of PWM techniques for Photovoltaic application with HERIC inverter", Journal of Advances in Chemistry, Vol. 12, Issue 16, pp. 4950-4955 (2016)

14. S. Abdul Rahman, P.A. Janakiraman and P. Somasundaram, "Voltage Sag and Swell Mitigation based on Modulated Carrier PWM", International Journal of Electrical Power and Energy Systems, published by Elsevier. Vol. 66, pp. 78-85 (2015)

15. Thiagarajan V. and Somasundaram P., "Optimization of Grid – Connected Solar Array Using P & O Based MPPT Algorithm with Current Reference Converter", International Journal of Applied Engineering Research, Vol. 10, Issue 4, pp. 3782-3786 (2015).

16. S. Abdul Rahman, P. Somasundaram & P.A. Janakiraman, "Mitigation of Voltage Sag and Swell Using Direct Converters with Minimum Switch Count", Journal of Power Electronics, published by The Korean Institute of Power Electronics . Vol. 14, Issue 6, pp. 1314-1321 (2014).

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