

## Journals Published (International)

### A. SCI

1. Dishore S V and Albert Alexander S (2020), "Grid Integration of Modular Multilevel Inverter with Improved Performance Parameters", *International Transactions on Electrical Energy Systems (Wiley)*, ACCEPTED.
2. Balraj R and Albert Alexander S (2020), "A Novel PV Array Interconnection Schemeto Extract Maximum Power Based on Global Shade Dispersion using Grey Wolf Optimization Algorithm under Partial Shading Conditions", *Circuit World*, ACCEPTED.
3. Dishore S V, Albert Alexander S and Johny Renoald A (2020), "Design and Control of a Grid Integrated Modular Multilevel Inverter Using Harris Hawks Optimization", *Circuit World*, ACCEPTED.
4. Johny Renoald A, Albert Alexander S, Dhanam Christina A, Jayakumar T, and Srinivasan M (2020), "A Novel Approach for the Development of Single Source Voltage Lift Inverter Intended for Water Pump Irrigation System", *Circuit World*, ACCEPTED.
5. Chandra Shekar Purohit, Saibal Manna, Geetha Mani and Albert Alexander S (2020), "Development of Buck Power Converter Circuit With ANN-RL Algorithm Intended for Power Industry", *Circuit World*, ACCEPTED.
6. Gnanavel C, Albert Alexander S, Ramani Kannan K and Geetha Mani (2020), "Investigation and Validation of Eleven Level Symmetric Modular Multilevel Inverter Using Grey Wolf Optimization and Different Evolution Control Algorithms for Solar PV Applications", *Circuit World*, ACCEPTED.
7. Albert Alexander S, Srinivasan M, Ravi S, Sampath kumar V, Senthil Kumar S and Prakash A (2020), "Power Quality Improvement in Solar Fed Cascaded Multilevel Inverter with Output Voltage Regulation Techniques" *IEEE Access*, Vol.8, pp. 178360-178371, October 2020 (Impact factor: 3.745).
8. Jaya Kumar T and Albert Alexander S (2020), "Implementation of Solar PV System Unified ZSI-Based Dynamic Voltage Restorer with U-SOGI Control Scheme for Power Quality Improvement", *Automatika - Journal for Control, Measurement, Electronics, Computing and Communications (Taylor and Francis)*, Vol.61, Issue 3, pp.371-387, May 2020, (Impact factor: 0.764)
9. Johny Renoald A and Albert Alexander S (2020), "Design and Development of Symmetrical Super-Lift DC-AC Converter using Firefly Algorithm for Solar-Photovoltaic Applications", *IET Circuits, Devices and Systems*, Vol.14, No.3, pp.261-269, May 2020
10. Dishore S V and Albert Alexander S (2020), "A Novel PV fed Asymmetric Multilevel Inverter with Reduced THD for a Grid Connected System", *International Transactions on Electrical Energy Systems (Wiley)*, Vol.30, Issue 4, April 2020.
11. Albert Alexander S and Brad Lehman (2018), "An Intelligent Based Fault Tolerant System for Solar Fed Cascaded Multilevel Inverters", *IEEE Transactions on Energy Conversion*, Vol.33, No.3, pp.1047-1057, September 2018. (Impact factor: 3.808).
12. Gnanavel C, Albert Alexander.S, (2018), "Experimental Validation of an Eleven Level Symmetrical Inverter Using Genetic Algorithm and Queen Bee Assisted Genetic Algorithm for Solar Photo voltaic Applications", *Journal of Circuits, Systems and Computers*, Vol.27. No.13, pp. (185021)1-23, April 2018 (Impact factor: 0.595).

13. Albert Alexander.S, (2017), "Development of high performance solar photovoltaic inverter with advanced modulation techniques to improve power quality", *International Journal of Electronics (Taylor and Francis)*, Vol.104, Issue 2, pp.174-189, June 2018. (Impact factor: 0.414).
14. Albert Alexander.S, (2016), "Development of Solar Photovoltaic Inverter with Reduced Harmonic Distortions Suitable for Indian Sub-Continent", *International Journal of Renewable & Sustainable Energy Reviews (Elsevier)*, Vol.56, pp.694-704. (Impact factor: 6.798).
15. Albert Alexander.S, Manigandan.T (2015), "Modeling and Analysis of Modular Multilevel Converter for Solar Photovoltaic Applications to Improve Power Quality", *IET Transactions on Renewable Power Generation*, Vol.9, No.1, pp.78-88, January 2015. (Impact factor: 2.28) BEST PAPER AWARD FOR CONSECUTIVE TWO YEARS
16. Albert Alexander.S, Manigandan.T (2015), "Optimal Harmonic Stepped Waveform Technique for Solar fed Cascaded Multilevel Inverter", *Journal of Electrical Engineering and Technology*, Vol.10, No.1, pp.261-270, January 2015. (Impact factor: 0.579).
17. Albert Alexander.S, Manigandan.T (2014), "Design and Development of Digital Control Strategy for Solar Photovoltaic Inverter to Improve Power Quality", *Journal of Control Engineering and Applied Informatics*, Vol.16, No.4, pp.20-29, December 2014. (Impact factor: 0.338).
18. Albert Alexander.S, Manigandan.T (2014), "Power Quality Improvement in Solar Photovoltaic System to Reduce Harmonic Distortions using Intelligent Techniques", *Journal of Renewable and Sustainable Energy*, ISSN 1941-7012, Vol.6, Issue. 4, pp. 043127 (1)-(19), June 2014.(Impact factor:1.51).
19. Albert Alexander.S, Manigandan.T (2014), "Reduction of Voltage Harmonics in Solar Photovoltaic fed Inverter of Single phase Stand Alone Power System" *Journal of Solar Energy Engineering- Transactions of the ASME*, Vol.136, No.4, pp.044501 (1)-(4), November 2014. (Impact factor:1.329).
20. Albert Alexander.S, Manigandan.T (2014), "Digital control strategy for solar photovoltaic fed inverter to improve power quality", *Journal of Renewable and Sustainable Energy*, ISSN 1941-7012, Vol.6, Issue. 1, pp. 013128 (1)-(18), January 2014. (Impact factor: 1.51).

#### **B. SCOPUS and OTHER REFERRED JOURNALS:**

1. Albert Alexander S, ManojKumar K, Balaji M, ManojKumar S and Usharani S (2020), "A Real Time Implementation of Fault Detection Strategy in DC Microgrid Using Internet of Things", *International Journal of Scientific and Technology Research*, Volume-9 Issue-2, pp.4261-4267, February 2020. SCOPUS
2. Albert Alexander S and Karthik.K (2020), "AnAnalysis of Positive Output Cascade Boost Converter for Electric Vehicle Applications", *International Journal of Scientific and Technology Research*, Volume-9 Issue-2, pp.4722-4727, February 2020.SCOPUS
3. Sarin C R, Geetha Mani and Albert Alexander S (2019), "Demand Response Model for Duck Curve on PV Dominated System using Support Vector Machines Based Multistage Modeling", *International Journal of Engineering and Advanced Technology*, Volume-9 Issue-1, pp.5272-5283, October 2019. SCOPUS
4. Ramani Kannan, Hesham Khalid, Indragandhi V and Albert Alexander S (2018), "Threshold Voltage and Drain Current Investigation of Power MOSFET

ZVN3320FTA by 2DSimulations”, *International Journal of Simulation Systems, Science & Technology*, Vol.19, No.6, pp.39 (1-6), December 2018. SCOPUS

5. Jayakumar T, Albert Alexander.S, (2018), “A Novel Hybrid Algorithm Controlled Modified SEPIC Converter for Photovoltaic Fed Seventeen Level Multilevel Inverter”, *Journal of Electrical Engineering*, Vol.18, No.2, pp.525-532 (Impact factor: 0.5).
6. Albert Alexander.S, Haritha.K P (2014), “Output voltage regulation techniques for solar fed cascaded multilevel inverter”, *International Journal of Advanced Information Science and Technology*, Vol.23, No.23, pp.67-73, March 2014. (Impact factor:3.564)
7. Albert Alexander.S, Manigandan.T (2013), “Modelling and Simulation of Artificial Neural Network based Harmonic Elimination Technique for Solar - Fed Cascaded Multilevel Inverter”, *International Review on Modelling and Simulations*, ISSN 1974-9821, Vol.6, No.4, pp. 1048-1055, August 2013. (ICV 5.94) SCOPUS
8. Albert Alexander.S, Karthikeyan.J (2008) “Multiple Feedback loop control strategy for UPS Inverters using Artificial Neural Networks”, *International Journal of Applied Engineering Research*, ISSN 0973-4562, Vol. 3, No.5, pp. 649 – 658, May 2008. SCOPUS

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