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**Publication Details (last 5 years)**  
**Journal Publication**

1. F. T. Josh, J. Jency Joseph J, K. Vinoth Kumar and Blessen Varghese Mathew, “Experimental Analysis of Symmetrical Cascaded H Bridge Nine Level Multilevel Inverter for Microgrid Application”, Journal of Computational and Theoretical Nanoscience, Vol. 17, Issue 5, 2020, pp. 2074 – 2079. Scopus Indexed.
2. Jogunuri, S and Josh, F. T., “Artificial Intelligence Methods for Solar Forecasting for Optimum Sizing of PV Systems: A Review”, Research Journal of Chemistry and Environment, Vol. 24, pp. 174-180, 2020. Scopus Indexed.
3. Jency Joseph J, Aruldoss Albert Victoire T, Josh F T and Joseph M.C, “Dynamic Performance Analysis of Electrified Propulsion System in Electric Vehicle”, International Journal of Vehicle Autonomous Systems - INDERSCIENCE Publishers, Vol. 15, Issue 1, 2020, pp. 26 – 49. Scopus Indexed.
4. Manoj. D and Josh, F. T., “An Investigation on Wireless Power Transfer for Electric Vehicle”, International Journal of Advanced Science and Technology, Vol. 29, No. 4, pp. 5510-5517, 2020.
5. Jency Jospeh, J and Josh, F. T., “Production of bio-fuel from plastic waste”, Journal of Physics: Conference Series, Vol. 1362, Issue 1, pp. 1-9, 2019. Scopus Indexed.
6. Jency Joseph, J, Josh, F. T., Lamare, R and Mathew, B.V., “Analysis of Power Electronic Converters for Electric Vehicle Applications”, Journal of Physics: Conference Series, Vol. 1362, Issue 1, pp. 1-10, 2019. Scopus Indexed.
7. Chacko. S., Josh, F. T. and Jayakumar. J, “Artifacts Removal of Compressed Digital Images by Linear Enhancement and Filtering”, International Journal of Innovative Technology and Exploring Engineering, Vol. 8, Issue 10, pp. 467-472, August 2019. Scopus Indexed.
8. Shalom Irenee, L. B, Josh, F. T. and Jency Joseph. J, “Battery modeling for a Photovoltaic System with Battery Management System using Fuzzy Logic Controller”, International Journal of Recent Technology and Engineering, Vol. 9, Issue 1S2, pp. 335-339, 2019. Scopus Indexed.
9. Eldho Aliasand, A and Josh. F. T, “Selection of Motor for an Electric Vehilce: A Review”, Materials Today Proceedings, Vol.24, pp. 1804-1815, 2019. Scopus Indexed.

10. Jency Joseph. J, Arudoss Albert Victorie. T and Josh. F. T., “Parametric Analysis of Axial Flux HUB Motor for Electric Vehicle in Rural Areas”, International Journal of Heavy Vehicle Systems, INDERSCIENCE Publishers, Vol. 25, Issue 3-4, pp. 258- 270, 2018. Scopus & SCI Indexed.
11. Juliha, J. L, Jency Joseph, J and Josh. F. T, “High Conversion Ratio Power Converter for Electric Vehicle Application”, International Journal of Engineering and Technology (UAE), Vol.7, No. 3.34, pp. 944-947, 2018. Scopus Indexed.
12. Mahesh, C, Josh. F. T. and Sanjeevi Gandhi, “A Comprehensive study on protection, control and communication techniques: A key concept for micro grid intelligent operation”, International Journal of Engineering and Technology (UAE), Vol.7, No. 2, pp. 35-41, 2018. Scopus Indexed.

13. Blessen Varghese Mathew, **F. T. Josh** and J. Jency Joseph, "Symmetrical Cascaded H Bridge Nine Level Inverter for Transmission Application", International Conference on International Conference on Emerging Trends in Science, Engineering and Technology, at Bharath Institute of Higher Education Research, Coimbatore on 11th – 13th April 2018.
14. J. Jency Joseph, J. L. Juliha and **F. T. Josh**, "Review on the Recent Development of Power Converters for Electric Vehicle", 2nd IEEE International Conference on Communication and Electronics Systems – ICCES, at PPG Institute of Technology, Coimbatore on 19th & 20th October 2017, pp. 641 – 644.
15. J. Jency Joseph, and **F. T. Josh**, "Survey on the Problems Faced by the People in Rural Area", International Conference on Environment, Genes, Health and Diseases 2017 (EGHD 2017), at Bharathiar University, Coimbatore on 22nd – 24th August 2017.
16. Mahesh. C and **Josh. F. T**, "A Short Study on Challenges for Micro Grid Protection", National Conference on Instrumentation, Control and Signal Processing NCICS'17, at Karunya University on 17th March 2017.
17. Sundara Ganesh. S, Rejin V. Jose and **Josh. F. T**, "New Learning Kit for the Deaf People", National Conference on Science and Technology for Persons with Disabilities STPWD'17, at Karunya University on 28th February 2017.
18. Jency Joseph. J, Aruldoss Albert Victorie. T, Joseph. M. C and **Josh. F. T.**, "Axial Flux Permanent Magnet Motor-Driven Battery Powered Electric Vehicle with Zeta Converter", IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology ICIEEIMT 17, at Karunya University on 3rd and 4th February 2017. **Scopus Indexed**
19. Mahesh. C and **Josh. F. T**, "A Comprehensive Study on Distributed Energy Generation Integration Technology", IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology ICIEEIMT 17, at Karunya University on 3rd and 4th February 2017. **Scopus Indexed.**
20. Pasupulati Babu Rao and **F. T. Josh**, "Design and Simulation of a New Topology Boost Inverter to Run Home Load Appliances", International Journal of Applied Engineering Research, ISSN: 0973-4562, Vol. 10, No. 7, pp. 18771-18778, 2015. (Impact Factor 0.166). **Scopus Indexed.**
21. Kokila.R and **F. T. Josh**, "GA Based Selective Harmonic Minimization of 11 Level Cascaded Inverter Using PV Panels", International Journal of Research in Engineering and Technology, Vol. 03, Spl. Issue No. 07, 2014.

22. J. Jency Joseph, J. L. Juliha and **F. T. Josh**, “Review on the Recent Development of Power Converters for Electric Vehicle”, 2nd IEEE International Conference on Communication and Electronics Systems – ICCES, at PPG Institute of Technology, Coimbatore on 19th & 20th October 2017, pp. 641 – 644.
23. Kathlin John and **Dr. F. T. Josh**, “Implementation of Colonial Competitive Algorithm in Cascaded Multilevel Inverter with Dspace Controller”, International Conference on Innovative & Emerging Trends in Engineering and Technology in Association with CSI, IETE, IEEE, ICTACT and SAEINDIA (ICIETET’16), at Panimalar Institute of Technology, Chennai on 7th May 2016.
24. Aida Anna Oommen and **F. T. Josh**, “Simulation Analysis of PFC based Zeta Converter fed BLDC Motor Drive using MATLAB/SIMULINK and PSIM”, International Conference on Innovative & Emerging Trends in Engineering and Technology in Association with CSI, IETE, IEEE, ICTACT and SAEINDIA (ICIETET’16), at Panimalar Institute of Technology, Chennai on 7th May 2016.
25. Surya Kumari, M. and **Dr. F. T. Josh**, “A Wind Power Generation System with Seven Level Inverter”, 2nd International Conference on Electrical, Electronics Engineering Trends, Communication, Optimization and Sciences (E3 COS) at Sri Sunflower College of Engineering and Technology, Vijayawada, Andhra Pradesh, on 28th – 30th March 2015.
26. Divya Joji and **Dr. F. T. Josh**, “Multilevel Inverter And Control Algorithm To Overcome the Problem of PV Partial Shading”, International Conference on Electrical, Electronics and Computer Engineering (ICEECE-15) at Coimbatore on 18th April 2015.