Name: Dr. Prabhakar.M
Designation: Professor
Department: Electrical and Electronics Engineering
Name of the organization/Institute: VIT University Chennai
Place: Chennai
PIN code: 632014
Affiliated to Anna university: No
Mobile Number: 9710491465
Area of Specialization: DC-DC Converters, Power Converters, Renewable Energy

Publications:

List of Journal Publications:

1. VJ Samuel, G Keerthi, M Prabhakar "Ultra-high gain DC-DC converter based on interleaved quadratic boost converter with ripple-free input current" International Transactions on Electrical Energy Systems 30 (11), e12622 (2020)
2. VJ Samuel, G Keerthi, P Mahalingam "Non-isolated DC–DC converter with cubic voltage gain and ripple-free input current" IET Power Electronics(2020)
3. R Amaleswari, M Prabhakar "Non-isolated multi-input DC-DC converter with current sharing mechanism" International Journal of Electronics, 1-27(2020)
4. VJ Samuel J, G Keerthi, M Prabhakar "Coupled Inductor based DC-DC Converter with High Voltage Conversion Ratio and Smooth Input Current" IET Power Electronics(2020)
5. VJ Samuel, G Keerthi, P Mahalingam "Interleaved quadratic boost DC–DC converter with high voltage gain capability" Electrical Engineering, 1-12 (2019)
6. BS Revathi, P Mahalingam, F Gonzalez-Longatt "Interleaved high gain DC-DC converter for integrating solar PV source to DC bus" Solar Energy 188, 924-934(2019)
7. BS Revathi, P Mahalingam "Non-isolated high gain DC–DC converter with low device stress and input current ripple" IET Power Electronics 11 (15), 2553-2562 (2018)
8. BS Revathi, P Mahalingam "Modular high-gain DC–DC converter for renewable energy microgrids" Electrical Engineering 100 (3), 1913-1924 (2018)
9. SR Balapattabi, P Mahalingam "A Novel Compact Hybrid Converter for DC Distribution" Electric Power Components and Systems 46 (11-12), 1275-1287 (2018)
10. B Sri Revathi, M Prabhakar, F Gonzalez-Longatt "High-gain–high-power (HGHP) DC-DC converter for DC microgrid applications: Design and testing" International Transactions on Electrical Energy Systems 28 (2), e2487 (2018)
11. MP B Sri Revathi "Hybrid modular converter for DC microgrids" IET Power Electronics 11 (5), 856-865 (2018)
12. SR Addula, M Prabhakar "A Soft Switched Interleaved High Gain DC-DC Converter" Journal of Engineering Science and Technology 12 (9), 2346-2359 (2017)

13. S Kalaimaran, SB Revathi, M Prabhakar “High Step-Up DC-DC Converter with Reduced Switch Stress and Low Input Current Ripple” Energy Procedia 117, 1182-1189 (2017)
14. BS Revathi, M Prabhakar “Modelling and simulation of high step up interleaved DC-DC converter for stand-alone PV system” World Journal of Modelling and Simulation 13 (2), 123-132 (2017)
15. BS Revathi, M Prabhakar “Non isolated high gain DC-DC converter topologies for PV applications–A comprehensive review” Renewable and Sustainable Energy Reviews 66, 920-933 (2016)
16. SR Addula, P Mahalingam “Coupled inductor based soft switched interleaved dc-dc converter for pv applications’ International Journal of Renewable Energy Research (IJRER) 6 (2), 361-374 (2016)
17. SRA Prabhakar.M “Coupled Inductor Based Soft Switched Interleaved DC-DC Converter for PV Applciations” International Journal of Renewable Energy Research 6 (2), 361-374 (2016)
18. BSRM Prabhakar “Transformerless High Gain DC-DC Converter for Microgrids” IET Power Electronics 9 (6), 1170-1179 (2016)
19. TM Aiswarya, M Prabhakar “An Efficient High Gain DC-DC Converter for Automotive Applications” International Journal of Power Electronics and Drive System (IJPEDS) 6 (2), 242-252 (2005)

List of International Conferences