

SHEEJA. V

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Asst. Professor, Dept of Electrical & Electronics Engineering	
Date of Joining as Asst. professor	23/05/2012
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**ACADEMIC PROFILE :**

Degree	School / College	Year of passing
B. Tech	NSS College of Engineering, Palakkad	Oct- 2000
M. Tech	Indian Institute of Technology, Delhi	June-2009
PhD	National Institute of Technology, Karnataka, Surathkal	Pursuing

AREAS OF INTEREST :

Solar PV Systems, wind energy conversion system, Multiport dc-dc converters, Grid tied Inverters, Power systems, Power Electronics.

RESEARCH PUBLICATIONS :

- Published International Conferences: 12

M TECH THESES GUIDED: 04 NOS

➤ **List of publications:**

- 1) Sheeja V, R Kalpana and Bhim Singh, "A Reduced Switch Count Switched Capacitor Based High Voltage Gain Bidirectional DC-DC Converter for Grid Integration of BTS," 5th IEEE International Conference on Computing, Communication and Automation (ICCCA), India, October 30-31,2020, Galgotias University, Grater Noida, India.
- 2) Sheeja V and R Kalpana, "A New Three Port Converter with Power Flow Management Control for Solar PV fed Telecom Load." IEEE International conference on Power Electronics and Renewable Energy Applications (PEREA), 2020, 27-28 November 2020, Kannur, Kerala.
- 3) Sheeja V, R Kalpana and Bhim Singh, "Time Sharing Control Based New Four Port Converter for Grid Integrated Solar PV Fed BTS Load" IEEE Power Electronics Drives and Energy System (PEDES), 16-19 December, 2020 Jaipur, Rajasthan, India.
- 4) Sheeja V and R Kalpana, "Interleaved High Gain Bidirectional DC-DC Converter for Grid Integrated Solar PV Fed Telecommunication BTS Load," 8th IEEE India International Conference on Power Electronics (IICPE), December 13-15,2018, Jaipur, India.
- 5) V. V. A. Vasanth and V. Sheeja, "Comparative Analysis of SRF, PI and AWPI Controllers for Hybrid Standalone Microgrid," 2020 International Conference on Power Electronics and Renewable Energy Applications (PEREA), 2020, pp. 1-6, Kannur, Kerala.
- 6) Sheeja V et al "SRF control of grid interfaced solar PV generation system with power quality improvement" International conference on national capacity building strategy for sustainable development and poverty alleviation (NCBSSDPA), American University in the Emirates, Dubai, UAE, May 2015.
- 7) Sheeja V et al "Isolated wind energy conversion system for three-phase four wire loads employing Adaline based voltage-frequency controller," in Proc. of IEEE Industrial Electronics Conference (IECON'12), Montreal, Canada, Oct-2012.
- 8) Sheeja V et al "Neural network theory based voltage and frequency controller for stand alone wind energy conversion system," IEEE International conf. on Power electronics, Drive and Energy Systems (PEDES), Dec 2010, India.
- 9) Sheeja V et al "VF Controller for stand alone wind energy conversion system employing PMBL generator," in Proc. Of National Power Systems Conference, Hyderabad, India, Dec 2010.
- 10) Sheeja V et al "BESS based voltage and frequency controllers for standalone wind energy conversion system employing PMSG," in Proc. of IEEE Industrial applications society general meeting, Boston, USA, Oct 2009.
- 11) Sheeja V et al "Voltage and frequency controllers for standalone WECS employing permanent magnet synchronous generator," in Proc. of IEEE International Conf. on Power systems, Dec 2009, Kharagpur, India.
- 12) Sheeja V et al "Stand Alone Wind Power Generating System Employing Permanent Magnet Synchronous Generator," in Proc. of International Conference on Sustainable Technologies (ICSET'08), Nov. 2008, pp. 616-621, Singapore.