

## **FACULTY PROFILE**



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Experience:14 years

Research area:Power Electronic Converters, Renewable Energy, Reliability Engineering

Recent Publications:

**1. Investigation of Reliability of DC–DC Converters Using Reliability BlockDiagram and Markov Chain Analysis**

Sujatha, M., Parvathy, A.K.

Lecture Notes in Mechanical Engineering, 2020, pp. 851-863

**2. Sustainable energy technologies: Energy resources for portable electronics—a mini review**

Malini, M., Sriramalakshmi, P., Sujatha, M.

Lecture Notes in Electrical Engineering, 2020, 687, pp. 203-215

**3. Improved reliable multilevel inverter for renewable energy systems**

Sujatha, M., Parvathy, A.K.

Indonesian Journal of Electrical Engineering and Computer Science, 2019, 14(3), pp. 1141-1147

**4. Reliability analysis of boost converter used for solar PV system**

Sujatha, M., Parvathy, A.K.

Journal of Advanced Research in Dynamical and ControlSystems, 2017, 2017(Special Issue 11), pp. 703-709

**5. Chaos control of Luo converter for improving the reliability**

Sujatha, M., Parvathy, A.K.

International Journal of Applied Engineering Research, 2015, 10, pp. 498-502