

## ICRERA 2025

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### **Jeykishan Kumar K**

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**Paper ID** \_\_\_\_\_ : 12

**Paper Title** \_\_\_\_\_ : Multi-Voltage Performance Analysis and Quality Index Development for DC EV Charging Systems using Ripple Measurement

### **Bio :**

Mr. Jeykishan Kumar K is an accomplished professional with over 10 years of technical and research experience in power electronics, renewable energy systems, and EMI/EMC testing. At CPRI, he has played a pivotal role in developing and operationalizing advanced testing facilities for solar inverters, UPS systems, EV chargers, LEDs, and pump controllers, contributing to India's renewable and electric mobility ecosystem.

He has integrated more than 50 national and international standards (IEC, BIS, EN) into CPRI's NABL-accredited testing and certification programs and has successfully executed capital procurements exceeding ₹54 crores, leading to significant expansion of institutional testing capabilities. His technical expertise spans renewable energy, high-voltage testing, grid integration of renewable energy, power electronics, and EMI/EMC compliance, backed by strong familiarity with ISO/IEC 17025 and 17065 frameworks.

An active researcher, Mr. Jeykishan has authored 15+ peer-reviewed journal papers on solar inverters, grid integration of renewables, power electronic and power quality studies, modelling perovskite solar cell, AI-based PV performance prediction, and EV charger analysis.

With a balanced background in testing, R&D, and technical leadership, Mr. Jeykishan is recognized for his contributions to facility development, standardization, and technology evaluation in the domains of renewable energy, power electronics, and EMI/EMC. He is a senior member of IEEE and serves as a reviewer for reputed international journals, demonstrating his commitment to advancing applied energy research and national testing excellence.