

GUEST EDITOR (Special Issue)

1. Journal: Electronics

Special Issue Title: Integrated Circuits for Power Conversion: Modeling, Optimization, Design and Application

Impact Factor: 2.397

Cite Score: 2.7 Scopus

2. Journal: Renewable and Sustainable Energy Reviews

Special Issue Title: 100% inverter-based micro grids for enabling high penetration of renewable energy

Impact Factor: 14.98

REVIEWER

- IEEE Transaction on Transportation Electrification
- IEEE Transaction on Industrial Electronics
- International Journal of Circuit Theory and Applications
- IEEE-IAS Industrial Automation and Control Committee
- IEEE Transaction on Sustainable Energy

RESEARCH GRANTS

Ministry of Power, Government of India through CPRI under National Perspective Plan

Budget INR 18.15 lacs, duration 2 years

- Role: Principal Investigator
- Title: Development of Electrolytic Capacitor Free Power Electronics Driver for LED Lighting with Power Factor Correction for Effective Performance under Grid Voltage Variation

International Cooperation Division, Department of Science and Technology

Budget INR 10 lacs, duration 2 years

- Role: Co-Principal Investigator
- Title: Development of Single Source 3-Phase High-Power-Density Switched-Capacitor Multilevel Boost Inverter

National Mission on Power Electronics Technology Phase-III (NAMPET-III) Programme

Budget INR 28.67 lacs, duration 18 months

- Role: Principal Investigator
- Title: Design and Development of PV-Based, Bidirectional Multilevel EV Charging Interface