

Special Issue

Recent Advancements in Renewable Energy and Electrical Power Engineering Technology

Message from the Guest Editors

The integration of renewable energy resources in energy systems has become an apparent necessity for the minimization of environmental risks as well as for national development and security improvements. To this end, challenging tasks have appeared, ranging from fundamental research to novel energy systems design and operability advancements. The proposed Special Issue aims to collect articles that highlight the challenges, advancements and novel solutions in electrical power technology for sustainable renewable energy systems:

- Advancements in renewable energy and storage technologies such as solar cells, wind turbines, batteries, hydrogen, heat pumps and others;
- Advancements in power electronics for integrating distributed energy resources;
- Control, operation, optimization and planning of renewable-energy-based electrical systems;
- Artificial intelligence for large-scale integration of renewables in smart electricity grids;
- Systems digitalization and data analytics in smart electricity grids;
- Multicarrier energy systems comprising renewable energy;
- Economics and business models for sustainability and lifecycle assessment in renewable energy based build environment and systems.

Guest Editors

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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