Special Issue

Renewable Energy and Power System Transformation: Striving Towards Carbon Neutrality

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- The mechanisms for the further proliferation and integration of renewable energy resources including wind, solar, and so on.
- The operation, planning, and economics of decarbonization pathways in reaching net-zero targets in electrical power and integrated energy systems.
- Reliability evaluation and risk analysis of power and integrated energy systems considering climate shocks and natural disasters.
- Electrical power and energy system solutions for the decarbonization of transportation (road, rail, maritime, air, intermodal, and pipeline), industrial, and real estate sectors.
- System-level solutions and analysis of integrating carbon capture, utilization, and storage (CCUS) technologies.
- The mechanisms and solutions for carbon markets, virtual power plants, and transactive energy and their role in addressing climate change issues in electrical power and integrated energy systems.

We look forward to receiving your contributions.

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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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