Special Issue

Sustainable Future of Power System: Estimation and Optimization

Message from the Guest Editors

During the last two decades, the total capacity of generated energy in power networks has quickly grown and become increasingly diverse. This supports increasing sustainable development in renewable power sources such as solar PVs, wind turbines, battery storage, and electric vehicles. Additionally, significant challenges are concerned with improving electricity quality in power networks to promote their optimal planning, operation, and control. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Enhancing the performance of traditional and modern power networks.
- Integration of renewable energy sources in power systems.
- Optimization techniques for sustainable power system planning, operation, and control.
- Optimal control of sustainable power systems with merged new technologies such as FACTs, HVDC, voltage source stations, onshore and offshore wind turbines, storage units, etc.
- Mathematical, heuristic, and meta-heuristic methods for dealing with nonlinearities and nonconvexities in sustainable power system issues.

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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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