

Special Issue

Research on Large-Scale Renewable Energy Access to the Power Grid

Message from the Guest Editor

Global warming has become a worldwide crisis for which energy consumption is increasingly concerned. In the context of carbon reduction, large-scale renewable energy access to the power grid is a trend, which brings great challenges to the power grid. The power grid faces a series of problems that must be addressed. The aim in this Special Issue is to promote large-scale renewable energy access to the power grid, solve the challenges of renewable energy access to the grid, and promote the development of the power system in a clean and sustainable direction. Original research articles and reviews are welcome for submission to this Special Issue. Research areas may include (but are not limited to) the following:

- renewable energy forecast and scheduling;
- load off-grid and load carrying capacity and adaptability of power grid;
- power system flexibility and responsiveness;
- power system planning and operation strategy;
- study on the mechanism of electricity market;
- research on energy storage;
- study on stability and security of power system;
- how to balance the issues of reliability, cleanliness and economy scientifically.

Guest Editor

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Deadline for manuscript submissions

closed (28 June 2024)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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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.

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