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Renewable Energy Sources: A Solution in the Operation of Smart Grids and Sustainable Energy Systems

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Deadline for manuscript submissions:
closed (10 February 2024)

Message from the Guest Editors

This Special Issue aims to provide an optimal solution to expansion of renewable energies and smart grids technologies considering the planning and operation aspects. It also focuses on dealing with the imposed uncertainties associated with renewable energies in operation and real-time problems. Thus, scholars and researchers are kindly invited to consider submitting their original articles for consideration in this Special Issue to accelerate the existing practices in smart grids and sustainable energy systems. This Special Issue welcomes submissions in, but not limited to, the following subjects:

- Proposing new ideas on increasing the penetration levels of RESs (renewable energy sources);
- Activating large-scale RES-based loads in the power market mechanisms;
- Resilient integration of RESs into power systems and smart grids;
- Maximizing the utilization rate of installed capacity of RESs in planning and control strategies;
- Achieving net-zero carbon emissions and reliable power generation via RESs;
- Enabling RES capabilities in power system dynamics studies;
- Harmonic analysis of RES-dependant smart grids;

Any questions, please ask Mark Huang <mark.huang@mdpi.com>.

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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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