



## Trade-Off between Performance and Reliability in Renewable Sources

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Deadline for manuscript submissions:

**closed (20 July 2021)**



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### Message from the Guest Editors

Dear Colleagues,

The Guest Editors are inviting submissions to a Special Issue of *Energies* on the subject area of “Trade-off between performance and reliability in Renewable Sources”. Modeling and control techniques are important for the effective use of renewable energy systems, not only from an energetic efficiency point of view, but also from a reliability one. The maximization of energy production by renewable sources, during their lifetime, represents an interesting topic for power and energy researchers. A new goal is based on the following principle: “the maximization of the extracted power, when it is obtained at the price of too severe stresses, is to be avoided”. It may be preferable to give up part of the available energy today to gain a greater amount of energy tomorrow.

This Special Issue is open to both original research articles covering, but not limited to, these topics:

- Renewable sources modeling;
- Faults modeling;
- Reliability modeling;
- Forecasting techniques;
- Maximum power point tracking techniques;
- Power system control;
- Optimization of operation of power systems;
- Energy management system;
- Control method of power electronics.



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## Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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