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Energy and Exergy Analysis of Renewable Energy Conversion Systems

Guest Editor:

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Deadline for manuscript submissions:
closed (10 April 2022)

Message from the Guest Editor

Dear Colleagues,

Renewable energy conversion technologies are used for the generation of electricity or heat and could replace traditional energy conversion technologies. To evaluate the performance of renewable energy conversion systems, energy analysis is often used. However, sometimes energy analysis is not sufficient, and more advanced analysis methods, based on the second law of thermodynamics, such as exergy analysis, should be applied. Exergy analysis is a powerful tool, which could provide additional information about the performance of any energy conversion system.

This Special Issue is dedicated to the energy and exergy analysis of renewable energy systems. Original research papers that report recent advances in the application of energy and exergy analysis methods for the analysis of renewable energy conversion technologies are invited. Review papers and studies that include discussions on the advantages of analysis methods based on the second law of thermodynamics and their application for renewable energy conversion technologies are also welcome.

- Renewable Energy
- Energy Analysis
- Energy Efficiency
- Exergy Analysis

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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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