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Sustainability Assessment of the Energy Generation Systems

Guest Editor:

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Deadline for manuscript submissions:
closed (22 May 2024)

Message from the Guest Editor

Dear Colleagues,

Energy recovery from waste, industrial process heating, and electricity generation from renewable and non-renewable energy resources have all increased significantly in recent years due to increasing energy demand. It is vital to understand the impact of increased energy generation on the environment, as well as human health, ecosystems, and resources, both for the environment and for society and the economy. This Special Issue welcomes articles on the sustainability assessment of energy generation systems. Energy generation can be in the form of electricity, process heat, etc. The sources of energy can be renewable, non-renewable, or waste. The topics covered by this Special issue include (but are not limited to) the following: sustainability assessment, triple-bottom-line aspects, sustainability indicators, energy generation systems, circular economy, and waste management.

- renewable energy
- energy from waste
- sustainability
- life cycle assessment
- energy management
- techno-economic analysis
- social responsibility
- systems simulation

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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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