Special Issue

Thermo-Chemical Conversion and Biological Conversion to Renewable Energy

Message from the Guest Editors

The emission of greenhouse gases ultimately leads to global warming and climate change, which is a global phenomenon that has a negative impact on the global ecosystem and biodiversity. Immediate actions are required to mitigate the effect of climate change on our planet, and it is crucial to adopt a multifaceted strategy to mitigate the effects of climate change. Thus, this Special Issue focuses on the latest developments in the field of conversion technologies for renewable sources and LCA analysis of the developed technologies. The scope of this Special Issue includes, but is not limited to, the following topics:

- Gasification of renewable energy sources (e.g., biomass, solid waste, refuse-derived fuel, solid recovered fuel, etc.);
- Pyrolysis and catalytic pyrolysis of renewable energy sources;
- Supercritical fluid technologies for conversion of renewable energy sources;
- Biological conversion of renewable energy sources;
- Carbon capture and storage/utilization CCS/U technologies;
- Life Cycle Assessment (LCA) of different technologies developed for the conversion of renewable energy sources.

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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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