Special Issue

Biomass Gasification Process in Renewable Energy Systems

Message from the Guest Editors

Environmental problems are forcing a rethinking of the world's energy supply system. A fundamental shift toward greater reliance on biomass in the world's energy system is plausible because major technological advances are ongoing that hold the promise of making the conversion of biomass into high-quality energy carriers economically competitive with fossil fuels. Energy systems have become a paramount topic for both industry and researchers due to the interest in energy production from biomass with improved efficiencies and cost-effective systems. This special issue aims to publish novel advances on biomass gasification technologies for energy production from experimental and computational perspectives. Topics include, but are not limited to:

- Progress in biomass gasification technologies;
- Biomass gasification combined heat and power systems;
- Biomass integrated gasification combined cycle systems;
- Grid integration of biomass gasification power systems;
- Life-cycle cost analysis of biomass gasification systems.

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Deadline for manuscript submissions

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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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