Special Issue

Biomass Ash-Related Problems and Sustainable Development in Bioenergy Utilization

Message from the Guest Editor

This Special Issue aims to present the recent progress and advances in the field of biomass ash fouling, slagging and corrosion behaviours and mechanisms with a focus on experimental, theory and modelling aspects, as well as the sustainable development in bioenergy utilization. Topics include, but are not limited to:

- Biomass pyrolysis, gasification and combustion;
- Co-firing or co-gasification of biomass/coal/sludge;
- Progress in bioenergy generation and utilization;
- Physicochemical characterization of biomass ash;
- Biomass ash fouling, slagging and corrosion mechanisms;
- Ash deposition in biomass or biomass/coal co-firing/co-gasification systems;
- Ash particle melting, sticking, impaction and agglomeration behaviour;
- Impact of ash deposition in biomass systems;
- Ash formation and deposition dynamics;
- Chemical and mineral composition of biomass ashes;
- Particle transport and fluid dynamics;
- Biomass syngas and hydrogen production.

Guest Editor

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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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