

## 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.

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### Guest Editor

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### Deadline for manuscript submissions

closed (17 January 2024)



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### Message from the Editor-in-Chief

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### Editor-in-Chief

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