



Process Design of Biomass Thermochemical Conversion

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Message from the Guest Editor

This Special Issue will focus on thermochemical biomass conversion processes, including carbonization, liquefaction, and gasification. Dry processes (pyrolysis and gasification) as well as their hydrothermal counterparts will be covered, which includes process optimization as well as intelligent integration of different conversion processes in a biorefinery.

Topics of interest, specifically related to thermochemical biomass conversion, include:

- Process design and optimization
- Improvement of process efficiency
- Model development to enable process simulation
- Process integration with chemical and biochemical conversion as well as other means of biomass processing
- Process chains with thermochemical conversion as the key enabling technology
- Development of process monitoring equipment
- Catalysis for reaction optimization, both in situ and ex situ
- Biomass pretreatment and product upgrading with their impact on/integration in the process





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Message from the Editor-in-Chief

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