



Biomass Torrefaction: Processes, Applications and Challenges

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Message from the Guest Editor

This Special Issue on “Biomass Torrefaction: Processes, Applications, and Challenges” aims to gather outstanding research and the comprehensive coverage of all aspects related to biomass torrefaction, covering a wide range of technologies for the production of torrefied biomass for both energy and building block chemical applications. Topics include, but are not limited to:

- Biomass torrefaction technologies, including both lab and pilot scales.
- Biomass preprocessing (size reduction, pelleting, and pretreatment), torrefaction, and densification integration.
- Assisted and novel torrefaction processes, including ultrasonic, microwave, and other assisted processes.
- Process modeling, life cycle assessment, and process techno-economic analysis.
- Applications of torrefied biomass to novel areas, such as batteries, fuel cells, and in carbon electrodes.





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Message from the Editor-in-Chief

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