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Advanced Bioenergy, Biomass and Waste Conversion Technologies

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Deadline for manuscript submissions:
closed (28 February 2025)

Message from the Guest Editor

Dear Colleagues,

Rapid climate change and increased greenhouse gas emissions, along with a parallel increase in urbanization, are globally recognized. Moreover, nowadays, there are significant reductions in the resources of exhaustible natural materials globally. For this reason, it is important to take firm steps to address resource needs while prioritizing the protection of the environment, as well as to reduce greenhouse gas emissions and generated waste.

This Special Issue aims to present topics related to the production of bioenergy through the conversion of biomass and waste through processes such as pyrolysis, gasification, liquefaction, torrefaction, hydrothermal carbonization, direct combustion, co-combustion, and the use and valorization of by-products and residues from all of the above processes, in line with the concept of circular economy. All types of original submissions, such as experimental and numerical studies or review papers summarizing the state of the art, are welcome.

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Message from the Editor-in-Chief

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