



Advances in Bioenergy and Waste-to-Energy Technologies

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Message from the Guest Editor

Dear Colleagues,

Dependency on non-renewable resources represents a problem from environmental, economic, and social perspectives.

In the context of second-generation (2G) biorefinery, waste biomasses represent a valuable resource for conversion into bioenergy.

The biorefinery process allows the conversion of biomass into a spectrum of high-value products, including chemical compounds and energy. Second-generation biorefinery processes are classified into three main categories: chemical, thermo-chemical, and biological processes.

Original research papers concerning the study of Advances in Bioenergy and Waste-to-Energy Technologies are of particular interest to this Special Issue. Topics of interest include, but are not limited to:

- Waste biomass conversion into renewable energy;
- Thermochemical and biochemical waste biomass conversion;
- Bio-H₂ and bio-CH₄ production from waste biomass conversion;
- Environmental and economic sustainability assessments concerning the conversion of waste biomass into bioenergy.





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Message from the Editor-in-Chief

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