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Advances in Thermochemical Conversion of Solid Wastes

Guest Editors:

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Deadline for manuscript submissions:

closed (30 April 2025)

Message from the Guest Editors

Dear Colleagues,

Thermochemical conversion of solid wastes utilizes heat to transform waste materials into energy and other valuable products. This technology is seen as a promising solution to the dual challenges of waste management and sustainable energy production. It encompasses several distinct techniques, including depolymerization, torrefaction, pyrolysis, gasification, hydrothermal conversion, and combustion, each with its own specific applications and end products.

We welcome original contributions in the fields of thermochemical conversion of biomass and solid waste to this Special Issue, the scope of which includes, but is not limited to:

- 1. Thermochemical conversion technologies;
- 2. Kinetic analysis of themochemical conversion;
- 3. Catalysis for solid waste conversion;
- 4. The application of machine learning in this area;

We invite you to submit related papers, original research articles, and reviews to this Special Issue, "Advances in Thermochemical Conversion of Solid Wastes"

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Message from the Editor-in-Chief

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