Special Issue

Sustainable and CO_2 Low-Carbon Waste Treatment

Message from the Guest Editor

Solid wastes play an important role in dealing with the climate crisis and environmental pollution after the adoption of the Paris Agreement (PA). Accordingly, solid waste conversion is becoming a key research topic due to the possible economic benefit regarding the availability and often negative costs of the feedstock. However, due to the increased heterogeneity of waste materials compared to biomass, the technical issues associated with these processes become more challenging, particularly regarding gas cleaning and upgrading to valuable end products. Overall, an effective solid waste conversion system must be both environmentally and economically safe and suitable. This Special Issue aims to represent recent advances in basic research and technological development of renewable energy through high-value utilization of different solid waste fuels. It aims to provide a comprehensive and cutting-edge multidisciplinary analysis of the thermochemical conversion route for different solid wastes. The aforementioned scope will facilitate the development of advanced techniques for exploring efficient solid waste utilization processes in the future.

Guest Editor

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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