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Sustainable Thermochemical Conversion of Organic Solid Waste

Guest Editor:

Dr. Changsen Zhang
School of Ecology and Environment, Zhengzhou University, Zhengzhou 450001, China

Deadline for manuscript submissions:
30 June 2025

Message from the Guest Editor

Organic solid waste (OSW) refers to solid waste containing organic matter, e.g., domestic waste, agricultural waste, industrial waste, etc. Traditional disposal methods include landfill and incineration, but these methods have problems with environmental pollution and resource waste. There will also be a lot of excess carbon dioxide emissions, which will have a huge impact on global warming and climate change.

The organic solid waste thermochemical conversion process is a technology that converts OSW into renewable energy or high-value chemicals through a thermochemical reaction. Through the application of high temperatures and catalysts, the OSW is decomposed into gas, liquid, and solid products to achieve efficient utilization of resources and harmless treatment of waste.

The utilization of OSW not only contributes to reducing pollution but also provides an alternative way of generating bio-energy and environmentally friendly products. This Special Issue aims to attract works of scientific interest to promote the conversion and utilization of OSW.

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Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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