

## Special Issue

# Resource Recovery from Organic Solid Waste Using Fermentation and Hydrolysis Technologies

### Message from the Guest Editors

The worldwide crisis of organic solid waste (OSW) generation has caused concerns about a continuous uptrend of natural resource consumption. Anaerobic fermentation (AF), with volatile fatty acids (VFAs) as the main product, has been widely used for OSW disposal and energy recovery. This Special Issue focuses on the resource recovery from organic solid waste using fermentation and hydrolysis technologies, and we hope that the Special Issue will become a platform for realizing experiences and sharing valuable research findings on the latest trends in advanced technologies for fermentation and hydrolysis of OSW. Relevant topics include, but are not limited to:

- Challenges of fermentation and hydrolysis technologies for OSW;
- Strategies to enhance fermentation;
- Hydrothermal recycling technologies;
- Oriented conversion technologies for carbon and nitrogen recovery;
- Agricultural and forest OSW treatment.

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### Guest Editors

Dr. Jiuxiao Hao

Dr. Guang Guo

Dr. Yina Zou

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### Deadline for manuscript submissions

20 October 2025



## Processes

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