

Organic waste to biogas: understanding microbial communities and magnetite supplementation

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Speaker

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Abstract

- Organic waste to biogas conversion (i.e., anaerobic digestion) is essential for the circular economy system.
- Achieving stable operation and high process performance in anaerobic digestion relies on effective process monitoring, control, and microbial management.
- This seminar will explore the fundamentals of microbial communities in anaerobic digestion, recent trends in understanding them, and the potential of magnetite supplementation in the process.