



Hybrid Journal by SPRINGER LINK

Dark Fermentation and Biomethanation for Sustainable Biowaste Management and Valorization

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This thematic issue focuses on providing a comprehensive exploration of biomethanation in the context of a sustainable biowaste treatment. It covers biomethanation and dark fermentation of various substrates, including wastewater, fecal sludge, and the organic fraction of municipal solid waste. The aim is to foster a deeper understanding of the roles of dark fermentation and biomethanation in sustainable biowaste management practices.

Thus, the topics of interest include but are not limited to:

- Deepen understanding of the biochemical principles of dark fermentation and biomethanation.
- Present the latest advancements in anaerobic treatment processes for liquid and solid biowaste, including pre-treatment measures.
- Highlight applications in technological innovations, sustainable development goals, and practical implementations.
- Discuss and evaluate global case studies of dark fermentation and biomethanation in diverse waste streams.
- Explore future developments, challenges, and adaptability of these techniques in real-world applications.

Deadline for manuscript
submissions:

28 February 2025

Welcome to contribute.



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Special Issue