

Special Issue

Sustainability and Anaerobic Digestion Technologies

Message from the Guest Editors

Anaerobic digestion (AD) is a versatile and widely applied technology for biogas production from the microbial degradation of organic waste. Globally, AD installations for biogas production and utilization have been significantly increasing to fulfill the renewable energy demand. AD technology offers numerous benefits extending from organic solid waste treatment, renewable fuel production, greenhouse gas emission control by capturing methane (CH₄), and improving rural communities' socio-economic livelihoods, especially in developing countries. However, AD also faces challenges, in particular the competitiveness of feedstock availability, digester efficiency, CH₄ loss from the process, and a lack of anaerobic process monitoring and control. Some strategies have recently been applied, ranging from feedstock pretreatment, automation, optimization of the microbial degradation process, and operational parameter optimization for AD stimulation. This Special Issue aims to invite scientific papers on anaerobic digestion optimization and the sustainability aspect of biogas production.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2022)



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Message from the Editor-in-Chief

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.

Editor-in-Chief

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