

Special Issue

Current Trends in Anaerobic Digestion Processes, 2nd Edition

Message from the Guest Editors

Given the growing demand for green energy in developed and developing countries, biogas production from biomass and waste is a technology that is used to produce renewable methane. This can be obtained as biogas or biomethane. Different substrates can be used in the anaerobic digestion process, such as energy crops, waste, residual biomass, as well as food waste. Together with these conventional aspects, other innovative technologies have to be developed to purify biogas through fermentation, separation of CO₂, hydrogenation of CO₂, use of biochar in the digester, or biogas purification. This Special Issue on "Current Trends in Anaerobic Digestion Processes, Volume II" aims to curate novel advances in biogas production and use, focusing both on modeling and experimental campaigns. Topics include, but are not limited to, the following:

- Modeling of anaerobic digestion and biogas production;
- Organic substrate characterization and pre-treatment;
- Biogas purification and biomethane production and use;
- Biogas combustion in engines and turbines.

Guest Editors

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Deadline for manuscript submissions

closed (28 November 2024)



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