



Solid Anaerobic Digestion for Fuel Production

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Message from the Guest Editor

Dear Colleagues,

Anaerobic digestion (AD) is a natural process carried out by anaerobic microorganisms, which offers many advantages in regard to the production of renewable energy. Anaerobic digestion produces methane, which is a greenhouse gas that can also be captured and used for fuel production; therefore, it is a key measure for decreasing greenhouse gases. AD processes have been classified into wet AD process and solid AD process, also called dry anaerobic digestion. Solid AD is already widely used in wastewater treatment plants for treating plants for sewage sludge but could be more developed for lignocellulosic materials with high TS content. Despite the existence of full scale industrial solid AD reactors, many research works are still carried out on solid AD, focused on current limitations (BMP, codigestion, inhibition, microbial populations, rheology, water transfers, size, type and origin of inoculum, etc.) in order to optimize the solid AD process.

This Special Issue aims at encouraging researchers to find solutions to overcome these limitations.





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Message from the Editor-in-Chief

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