Special Issue

Small-Scale Anaerobic Digestion for Biogas Production

Message from the Guest Editor

Small-scale anaerobic digestion (SSAD), i.e., plants with a CHP electrical capacity ranging from 15 to 100 kWe, is a promising technology for the treatment of biomass and the organic fraction of municipal wastes, especially in low population communities, or stand-alone waste treatment facilities. In addition to the benefits afforded by traditional plants, SSAD provides greater portability and flexibility options, enabling the technology's implementation in environments previously not justifiable due to insufficient feedstock quantities. This Special Issue aims to address state-of-the-art findings and improvements in SSAD, in particular in relation to aspects that include: innovative reactor configurations; biomass pre-treatments; optimisation; biogas upgrading and management; modelling; SSAD technology and policy; and field-scale practices and case studies. It is anticipated that this Special Issue will make a significant contribution to future research, development, and application of SSAD technologies.

Guest Editor

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Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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