Special Issue

Anaerobic Digestion: Waste to Energy: 2nd Edition

Message from the Guest Editor

Anaerobic digestion is a sequence of microbial degradation processes of complex organic matter under anoxic conditions. Anaerobic digestion is widely applied industrially and domestically to treat waste and wastewater while recovering biogas. After easily degradable organic carbon is removed, the nutrient-rich sludge and digestate that remain can be recycled as (liquid) fertilizer.

Thus, anaerobic digestion has received considerable attention due to being a source of renewable energy and enabling nutrient recovery from waste streams. Despite extensive research, anaerobic digestion needs to be studied further to improve the efficiency of the process both in terms of the microbial aspect and process engineering. In addition, analytical advancements in microbial community structures and functions enable a precise understanding of the complex transformation steps within dynamic mixed culture systems.

This Special Issue welcomes submissions of original research articles and reviews focusing on anaerobic digestion regarding various process- and microbial-related aspects, including laboratory-scale process designs and plant-scale case studies.

Guest Editor

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Welcome to an open access journal, *Fermentation*, which meets the growing need for a high quality peer-reviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this journal and look forward to working with you to make *Fermentation* a leader in its field. Your contributions are vital for the success of this journal. Proposals for editing a special issue for a particular topical area are always welcome.

Editor-in-Chief

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