



Anaerobic Digestion of Waste and Valorisation

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Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editor

Dear Colleagues,

In a circular economy approach, Anaerobic Digestion (AD) is one of the most reliable technologies for the exploitation and valorization of biosubstrates organic content. Although several biomasses can be suited for AD, in this Special Issue attention will be paid to biowastes, such as food waste, sewage sludge, agricultural residues, paper, and cardboard waste.

In its most traditional application, AD is applied to produce biogas for green energy generation; however, in a recently identified process referred to as chain elongation, more valuable byproducts, such as medium chained fatty acids, can be obtained, exploiting the ability of the fermentation step to generate electron donors (ethanol and lactate).

This Special Issue will address applications focused on enhancing biogas production, as well as chain elongation processes aiming to high value-added byproducts generation.





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Message from the Editor-in-Chief

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