

Special Issue

New Advances in Anaerobic Fermentation for Biogas and Biomethane Production

Message from the Guest Editors

The biological degradation of the organic matrix under anaerobic conditions determines the formation of different products through simultaneous reactions in which the compounds pass into different oxidation states until they are converted into methane, carbon dioxide and other by-products. The process includes a series of biodegradative reactions, and is carried out by a bacterial consortium, such as hydrolytic bacteria, acidifying bacteria (acetogenic and homoacetogenic) and methanogenic bacteria. Each population has a well-defined role in demolition by producing reaction intermediates. The purpose of this Special Issue is to highlight advances in biogas production. Another very important aspect concerns the condition of the fermentations used and their optimization, work concerned with upgrading processes is also welcome.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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