



Pre-treatment Methods for Biogas Plants

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Message from the Guest Editors

We invite you to submit papers within the scope of pre-treatment of various feedstock for biogas production.

Biogas production is increasing worldwide and will play a more significant role in energy supply in the coming years. Further, it is a method to decrease GHG emissions together with possible carbon sequestration. The success of the usage of biogas technologies relies on using the right technology for pre-treatment.

Pre-treatment of feedstocks for anaerobic treatment could lead to increased degradation and a higher rate constant. Increased degradation will result in higher biogas yield, and a higher rate constant will result in a shorter retention time. The methods of pre-treatment could be divided into physical, chemical, and biological. The chosen pre-treatment method can vary according to the feedstock; lignocellulosic material, proteins, and lipids can have origins of terrestrial or marine. Another way of distinguishing the feedstocks is vegetables or animal origin. The feedstocks could be energy crops or waste.





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Message from the Editor-in-Chief

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