Special Issue

Biological Production of Hydrogen from Biomasses

Message from the Guest Editors

The efficient conversion of different types of lignocellulosic biomass into renewable fuels requires rigorous research and development. This will help to ensure that these renewable fuels are compatible with current infrastructure. The production of advanced biofuels is necessary to develop domestic energy resources and to compete globally in the race for clean energy technology. Developing a feasible process at a commercial scale would promote economic growth, create new employment opportunities, and significantly reduce net greenhouse gas emissions. This Special Issue on "Biological production of Hydrogen from Biomasses" seeks high-quality research that focuses on the recent advances in hydrogen production using biomass waste. Topics include, but are not limited to, the following:

- Microbial hydrogen production using dark or photo-fermentation;
- Biomass pretreatment processes to make it available for hydrogen fermentation;
- Larger-scale optimization for hydrogen generation and its storage solutions.

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Editor-in-Chief

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