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Advances in Fermentative Hydrogen Production

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Deadline for manuscript submissions:
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Message from the Guest Editors

What are the challenges that fermentative hydrogen processes face to reach maturity?

Feedstock: the search for new, inexpensive and widely available biomass resources, especially those that represent waste streams, the use of multifeedstock combinations that may help overcome process scale constraints, additional aspects related with sustainability and logistics of the biomass feedstock are exemplary issues to address.

Microorganisms: Articles which deal with synthetic biology including artificial genes, metabolic engineering of strains, as well as definition and monitoring of engineered microbial consortia, and that discuss bioaugmentation strategies to outperform natural microbial consortia are of special interest.

Process integration: advances in process optimization and integration schemes, including fuel cell applications, exploring the development of hydrogen biorefineries and the contribution of co-metabolites production, and reporting a realistic appraisal of the technological and economic viability of biological hydrogen production, are invited.

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Message from the Editor-in-Chief

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