

Special Issue

Advances in Fermentative Hydrogen Production

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.

Guest Editors

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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