Special Issue

Biohydrogen Production from Wastewater

Message from the Guest Editors

The production of biohydrogen from wastewater offers a sustainable solution to meet energy demands while simultaneously addressing wastewater management challenges. Various techniques, such as dark fermentation and photo fermentation, make use of domestic and industrial wastewater, which is abundant in organic nutrients, promoting the growth of hydrogen-producing microorganisms. The effectiveness of these processes is influenced by factors such as substrate composition, microbial communities, and environmental conditions. Biohydrogen production is highly appealing due to its efficiency, low environmental impact, sustainability, and economic viability. This provides the incentive to launch a related Special Issue reviewing the recent advances made by developments concerning hydrogen energy and the resulting applications, thus presenting an opportunity to garner the work of scientists, researchers, and engineers on this issue.

Guest Editors

Prof. Dr. Abdeslam-Hassen Meniai
Laboratoire de l'Ingénierie des Procédés de l'Environnement, Faculté Génie des Procédés, University Constantine 3, Constantine, Algeria

Prof. Dr. Juan Ramón Portela Miguelez
Department of Chemical Engineering, University of Cadiz, Cádiz, Spain

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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