Special Issue

Environmental Biotechnology Applied to Water and Wastewater Treatment Processes

Message from the Guest Editor

Environmental biotechnology offers remarkable new tools for pollution prevention in water and wastewater treatment that have not been widely available before now. These new tools not only prevent pollution but can also significantly cut energy demand, natural resource consumption, and production costs while creating high-quality intermediates or consumer products. The accelerated uptake of new industrial biotechnology processes could lead to further pollution prevention, wastewater reduction, and energy cost savings in related services such as wastewater disposal or energy production. Consequently, the development of new environmentally friendly biotechnology that are able to quantitatively and quickly remove organic pollutants from water and wastewater has become an extremely urgent challenge. The microbiological processes use living organisms such as bacteria to degrade organic pollution and convert it into usable forms. This Special Issue aims to collect original, high-quality articles related to water and wastewater treatment. Fundamental and applied research papers covering multidisciplinary topics, as well as review papers with new perspectives, will be considered.

Guest Editor

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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
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