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Biotechnology Applications in Water and Wastewater Treatment

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Message from the Guest Editors

In the past, wastewater has been disposed of, without much consideration of its potential usefulness. However, in the last decades, the scarcity of freshwater supply and the degradation of the aquatic ecosystem with its impact on human health have brought to our attention the importance of water treatment for further reuse. Biological treatments have proved to be the best solution in terms of energy requirements and associated carbon footprint, shifting the paradigm from waste treatment to resource recovery. However, due to the hardening of the water legislation in both developed and developing countries, there is a need to investigate innovative and cost-effective biotechnologies for the safe and environmentally friendly management of water and wastewater pollutants.



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Special Issue



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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.

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