Special Issue

Bioenergy and Bioproducts from Wastewater

Message from the Guest Editors

The massive use of fossil energy has produced a lot of greenhouse gases. Wastewater contains many valuable substances, such as carbon, nitrogen, phosphorus, and micronutrients. The concepts of renewable energy production and wastewater treatment can be combined through a certain production process. This can not only achieve wastewater remediation but also generate valuable energy. This is conducive to reducing the cost of wastewater, and at the same time reducing the use and consumption of fossil energy, presenting an effective way to implement sustainable development and having positive significance for carbon neutrality. The purpose of this Special Issue is to bring together innovative academicians and industrial experts in related fields and establish an academic platform to communicate the latest research and developmental activities. Keywords: wastewater treatment; resource recovery; sustainable development; environmental problems; environment pollution; green energy technologies; circular economy; bioenergy; hydrogen energy; algal biofuel; energy conversion and management; recycling technologies; carbon neutrality

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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

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