Special Issue

Sustainable Water Treatment Systems: Green Infrastructure and Bioremediation

Message from the Guest Editor

Water scarcity is currently one of the global issues that urgently needs sustainable water treatment systems. Sustainable water treatment not only includes harmless treatment of sewage, but also involves comprehensive recycling and utilization of energy and nutrients from sewage. Green infrastructure, as an interconnected green space network, mainly involves many green or natural systems, like green-roof systems, green-wall systems, and wetland systems. It has been considered an important design for urban water management in green city construction. Bioremediation, also as a kind of green technology, can reduce the concentration of pollutants in water using biological metabolic activities. It is widely used in urban sewage treatment. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: (1) Wetland systems; (2) Green-roof systems; (3) Green-wall systems; (4) Membrane separation; (5) Catalytic oxidation of emerging contaminants; (6) Refractory organic pollutant removal technology.

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

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