Special Issue

Wastewater Treatment and Resource Recycling and Recovery: Agricultural, Industrial, and Small-Scale Systems Effluents and Runoff

Message from the Guest Editor

The deterioration of water quality due to pollution caused by humans and their activities has become a universal health, environmental, social, and economic problem. Inadequate or insufficient treatment of wastewater and runoff originating from agriculture activities, industrial production, mining, and untreated discharges from human households has become an increasing threat to water and food security globally. Excess discharges of nutrients resulting in harmful algae blooms (HABs) have been recognized as one of the most prevalent water pollution problems globally. Global climate change will promote cyanobacterial growth and aggravate HABs at much larger scales. It will also continue to diminish global water resources and potable water supplies. However, pollutant removal is currently required mainly for large industrial and municipal sewage treatment plants. For example, despite the recognition of agriculture as the major contributor [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Effluents_Runoff

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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