Special Issue

Green Materials for Wastewater Treatment and Resource Recovery

Message from the Guest Editors

Wastewater is extensively generated on a daily basis from domestic and industrial sources across the globe, posing several challenges, including the water crisis and environmental deterioration. Thus, development of sustainable wastewater treatment/disinfection methods is sought after as a plausible solution to this problem. The emergence of various environmental functional materials has bridged the gap between the demand for and supply of not only clean waters but also resources from wastewater, providing promising alternatives for wastewater treatment and resource recovery. However, advanced green materials with unique physicochemical properties, good economic benefits, stable pollution removals, high resource recoveries, and environmental friendliness are still highly demanded. This Special Issue focuses on the design, development, and application of green materials for wastewater treatment and resource recovery. In this frame, this Special Issue will give particular attention to studies on fundamentally sound novel green materials related to wastewater treatment and resource recovery with a great prospect for scaling up production and application.

Guest Editors

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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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