Special Issue

Application of Biochar and Activated Carbon in Water Treatment

Message from the Guest Editor

Wastewater is extensively generated on a daily basis from domestic and industrial sources across the globe, posing several challenges, including water crises and environmental deterioration. Thus, sustainable wastewater treatment/disinfection methods are sought to counter this problem. On the other hand, wastewater contains many resources and thus the reuse of wastewater resources is becoming more and more attractive. Biochar and activated carbon materials have bridged the gap between the demand for and supply of clean water and resources from wastewater. Biochar and activated carbon materials with unique physicochemical properties, good economic benefits, stable pollution removal ability, high resource recoveries, and environmental friendliness are still in high demand. This Special Issue focuses on the design, development, application, and impact of biochar and activated carbon materials for wastewater treatment and resource recovery. In view of this, this Special Issue will showcase studies on fundamental biochar and activated carbon materials related to wastewater treatment and resource recovery with an emphasis on scaling-up production and application.

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

Dr. Jean-Luc PROBST
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