Special Issue

Innovative Progress in Porous Materials and Their Derived Composite Materials for Wastewater Treatment Application

Message from the Guest Editor

The industrial revolution is responsible for declining the quality of water and raising the water pollution issues. There is a crucial need to solve this water pollution issue by treating the wastewater before discharging it into the environment. The development of innovative materials such as porous materials to remove pollutants from water using economical, nontoxic, and simple methods (adsorption method) is attracting researchers' attention. Porous materials can be used as pristine porous materials, or, by chemically modifying the surface of porous materials to design porous composites, nanocomposites, hybrid composites, or biocomposites, we can efficiently improve the water treatment potential of porous materials. This Special Issue encompasses innovation and current contributions towards the fabrication, physicochemical properties examination, and application of fabricated porous materials to remove toxic pollutants or recover useful metals (for example, lithium) from water. Overall, this Special Issue covers the implementation of porous materials for water treatment by removing contaminants.

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2023)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/172850

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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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