



water



an Open Access Journal by MDPI

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

Guest Editor:

Dr. Urooj Kamran

Institute of Advanced Machinery
Design Technology, Korea
University, 145 Anam-ro,
Seongbuk-gu, Seoul 02841,
Republic of Korea

Deadline for manuscript
submissions:

closed (20 November 2023)

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.



mdpi.com/si/172850

Special issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/X@Water_MDPI)