

## Special Issue

# Engineered Nanoporous Sorbents for Removing Emerging Pollutants from Aqueous Environments

### Message from the Guest Editor

Emerging contaminants, referring to synthetic or naturally occurring chemicals, have recently been identified as potential threats to environmental safety or human health due to negative effects with persistence, low-concentration effects, bioaccumulation, and high-toxicity. Adsorption, as an efficient, easy-to-operate, and moderate-cost technique, is adopted in pollutant removal and water purification. Currently, researchers focus on novel sorbents exploration, including activated carbon, biochar, zeolites, metal–organic frameworks, covalent–organic framework, covalent organic polymers, and porous polymer networks via diversity engineering strategies to improve adsorption capacity, selectivity, regeneration potential, and environmental sustainability. This Special Issue aims to collect review and research articles devoted to the development of engineered nanoporous sorbents for emerging pollutants removal from water/wastewater. All topics dealing with novel sorbents design, advanced characterizations development, and in-depth probe of atomic-level based adsorption mechanisms from both experimental and theoretical perspectives are particularly welcome.

---

### Guest Editor

Dr. Jian Shen

College of Environment and Resources, Xiangtan University, Xiangtan, China

---

### Deadline for manuscript submissions

20 November 2025



## Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/237684](https://mdpi.com/si/237684)

*Water*

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

[water@mdpi.com](mailto:water@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[water](https://mdpi.com/journal/water)





# Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/journal/  
water](https://mdpi.com/journal/water)



## About the Journal

### 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

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR  
CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique  
(CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane,  
Toulouse, France

---

### 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 (Aquatic Science)