



*water*



an Open Access Journal by MDPI

## Application of Membrane-Based Technology in Water Treatment

Guest Editors:

**Dr. Xiaobin Tang**

School of Environment, Harbin Institute of Technology, Harbin, China

**Dr. Binghan Xie**

School of Marine Science and Technology, Harbin Institute of Technology at Weihai, Weihai 264209, China

Deadline for manuscript submissions:

**10 November 2024**

### Message from the Guest Editors

The utilization of membrane technology is predominant in the treatment of drinking water and wastewater. Its large-scale application in engineering is highly dependent on the preparation of the membrane material, the development of the membrane process and the control of membrane fouling. The application of membrane-based technology in wastewater treatment fulfills the sustainable development goals for water resource utilization. Thus, we encourage the submission of articles addressing recent progress and presenting advanced membrane techniques for water treatment to this Special Issue. This Special Issue also aims to cover the latest findings of researchers in this field, in order to illuminate directions for future research and provide technical parameters for engineering applications. Excellent and novel investigations focusing on topics such as membrane bioreactors, membrane-based water treatment, membrane fabrication, membrane fouling control, biotechnology, engineering application, etc., are also welcome in this Special Issue.



[mdpi.com/si/182430](https://mdpi.com/si/182430)

**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](http://www.mdpi.com)

[mdpi.com/journal/water](http://mdpi.com/journal/water)  
[water@mdpi.com](mailto:water@mdpi.com)  
[X@Water\\_MDPI](https://twitter.com/Water_MDPI)