



an Open Access Journal by MDPI

## Membranes for Environmental Applications 2020

Guest Editors:

**Prof. Dr. Chuyang Tang**

Department of Civil Engineering,  
The University of Hong Kong,  
Pokfulam, Hong Kong, China

**Dr. Hao Guo**

Department of Civil Engineering,  
The University of Hong Kong,  
Pokfulam, Hong Kong, China

**Dr. Zhe Yang**

School of Chemical Engineering,  
The University of Queensland,  
Brisbane, Australia

Deadline for manuscript  
submissions:

**closed (31 October 2020)**

### Message from the Guest Editors

Dear Colleagues,

Membranes have important environmental applications ranging from water treatment to wastewater treatment and reuse, desalination, air filtration, etc. Various membrane-based processes have been involved, including reverse osmosis (RO), nanofiltration (NF), ultrafiltration (UF), microfiltration (MF), membrane bioreactor (MBR), membrane distillation (MD), forward osmosis (FO), membrane contactor, etc. These processes have been widely used for pollution control, resource recovery, and energy generation. They play a key role in the removal of pathogens, heavy metals, micropollutants, and other harmful contaminants. New membrane materials and structures have been developed to greatly enhance their permeability, selectivity, and stability in these applications.

This Special Issue highlights the latest developments and future perspectives of various membrane-based environmental applications. Both reviews and original articles are welcome.



[mdpi.com/si/45161](https://mdpi.com/si/45161)



an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Spas D. Kolev**

School of Chemistry, The  
University of Melbourne,  
Melbourne, VIC 3010, Australia

## Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375).

*Membranes* is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

## 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, PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q2 (Polymer Science) / CiteScore - Q1 (Chemical Engineering (miscellaneous))

## Contact Us

---

Membranes Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/membranes](http://mdpi.com/journal/membranes)  
[membranes@mdpi.com](mailto:membranes@mdpi.com)  
[X@Membranes\\_MDPI](https://twitter.com/Membranes_MDPI)