



an Open Access Journal by MDPI

Recent Advances in Metal-Organic Framework Membranes for Water Decontamination

Guest Editor:

Dr. Ranadip Goswami
Chemical Engineering, EPFL
Valais Wallis, 1950 Sion,
Switzerland

Deadline for manuscript
submissions:
closed (20 July 2024)

Message from the Guest Editor

The Special Issue titled “Recent Advances in Metal-Organic Framework Membranes for Water Decontamination” is dedicated to encapsulating a comprehensive spectrum of topics related to membranes in liquid separation and water treatment. These encompass the following: (1) functionalized or parent metal-organic framework materials; (2) the synthesis and physicochemical characterization of membranes; (3) procedural and configurational methodologies; (4) the elucidation of separation mechanisms; (5) the rigorous assessment of performance metrics; (6) the utilization of computational models (for instance, atomistic, kinetic, or computational fluid dynamics) and simulations; and (7) the exploration of practical, industrial applications. I warmly welcome the submission of original research papers, succinct communications, and critical review articles that align with the journal's stated objectives and thematic breadth.

We eagerly anticipate your scholarly contributions and remain hopeful that your research endeavors will significantly enrich this Special Issue.





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 (*Chemistry, Physical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Membranes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/membranes
membranes@mdpi.com
[X@Membranes_MDPI](https://x.com/Membranes_MDPI)