



Water and Wastewater Treatment Technologies with Membrane Filtration

Guest Editors:

Prof. Dr. Satoshi Takizawa

Dr. Alberto Tiraferri

Dr. Jenyuk Lohwacharin

Dr. Yu Yang

Dr. Takashi Hashimoto

Deadline for manuscript
submissions:

closed (30 November 2022)

Message from the Guest Editors

Membrane filtration processes have become a main option for water and wastewater treatment due to their compactness and highly efficiency. In addition, the reliability of membrane filtration processes has improved extensively thanks to the development of new membrane materials and the long-term experience of operation. While the benefits and opportunities for sustainable membrane operation are constantly opening up, there are concurrent challenges that require significant research efforts.

This Special Issue is devoted to “Water and Wastewater Treatment Technologies with Membrane Filtration”. Authors are invited to submit their contributions in the form of research articles (based on either full-scale operation, lab-scale or pilot-scale experiments, or simulation results), technical reporting, case studies, and critical reviews.

- Innovative membrane filtration process
- Membrane integrity
- Membrane fouling and cleaning
- Membrane grafting and modification
- Household water treatment
- Desalination
- Emerging and trace contaminant removal
- Hybrid membrane processes
- Removal of natural organic matter
- Life cycle cost analysis (LCA)





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 - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Membranes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/membranes
membranes@mdpi.com
X@Membranes_MDPI