Special Issue

Membrane Bioreactors: Recent Advancements, Current Challenges and Future Opportunities

Message from the Guest Editors

Membrane bioreactors (MBRs), which integrate biological processes and membrane separation processes, have been extensively used in wastewater treatment. MBRs offer many advantages compared to conventional activated sludge (CAS) processes, such as superior water quality, small footprint, reduced active sludge disposal, and fine control of sludge retention time (SRT). In the past decades, MBRs have achieved tremendous advancements from the original aerobic microfiltration/ultrafiltration (MF/UF)-MBR configuration to various new configurations including anaerobic-MBR, osmotic-MBR (OMBR), NF-MBR, MD-MBR, extractive MBR (EMBR), etc. This Special Issue aims to highlight the recent advancements on MBR technology and discuss the challenges and opportunities in the future development of MBRs in water-related industries.

Guest Editors

Prof. Dr. Qianhong She
Prof. Dr. Bing Wu
Prof. Dr. Xinhua Wang

Deadline for manuscript submissions

closed (31 May 2022)

Membranes

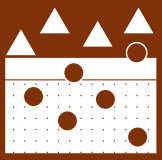
an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/61153

Membranes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
membranes@mdpi.com

mdpi.com/journal/membranes



Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/journal/membranes

About the Journal

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 accessjournal 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.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
School of Chemistry, The University of Melbourne, Melbourne, VIC 3010, Australia

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))