Special Issue

Membrane-Based Technology for Drinking Water Treatment

Message from the Guest Editors

The Special Journal Issue on Membrane-Based Technology for Drinking Water Treatment aims to enable the development of more sustainable, higher-quality, lower-carbon drinking water production strategies. In the context of the water crisis (water quality crisis and water quantity crisis) and stricter drinking water quality standards, membrane technology is widely regarded as a key technology for solving the problem. We welcome articles on topics including but not limited to microfiltration, ultrafiltration, nanofiltration, reverse osmosis, electrodialysis membranes, catalytic membranes, and their related combined processes, from lab-scale and pilot scale to full sacle, suitable for low-carbon and safe potable water production. Another topic that we are interested in is the removal mechanisms and efficiency of membrane technologies and their coupling technologies for a series of emerging pollutants, including but not limited to perfluorinated compounds, emerging disinfection by-products, and microplastics. Finally, the operation management and optimization of production-level membrane units, especially big data optimization based on artificial intelligence and deep learning.

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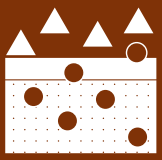

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About the Journal

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

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