

Special Issue

Metal-Organic Frameworks Based Membranes for Water Purification/Treatment

Message from the Guest Editor

Many socioeconomic problems are present in modern society, particularly the increasing rate of negative environmental changes. In this regard, some of the most urgent and well-known challenges are those associated with water scarcity and water contamination. However, the complexity of the chemical cocktails found in poor-quality environments, e.g., wastewater plants, requires the assessment of the design and optimization of novel methodologies from an eco-efficient perspective. For this reason, MOFs (metal-organic frameworks) have arisen as a promising alternative due to the possibility of their integration in membranes and potential scalability, which could help researchers overcome the main limitations of the methodologies employed nowadays. This would help accelerate the treatment of corrupted environments, which will play a key role in the next few years. Membrane technology is one of many applications where MOFs perform an important role. This Special Issue aims to highlight recent advances in membranes incorporating MOFs for water decontamination.

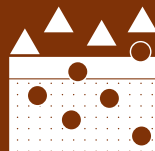
Guest Editor

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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 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.

Editor-in-Chief

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