

Special Issue

Metal–Organic Framework Membranes for Applications in Multi-Fields

Message from the Guest Editors

Metal–Organic Frameworks (MOFs) are a new class of porous solid materials which are attractive for a variety of industrial applications. In recent years, a variety of excellent MOF membranes have been successfully prepared and widely used in the fields of separation, catalysis, optics, sensing, and metal protection. This Special Issue, “Metal–Organic Framework Membranes for Applications in Multi-Fields”, aims to highlight recent research regarding novel membranes with MOF, from the preparation and incorporation of MOF in membranes, fouling control strategies of MOF-integrated membranes, and characterization of membranes in terms of physio-chemical properties, separation performance, and durability. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: membrane separation; desalination; wastewater treatment; gas separation; gas purification; metal–organic frameworks; anti-fouling; MOF membranes; thin-film nanocomposites; mixed matrix membranes.

Guest Editors

Prof. Dr. Qipeng Zhao

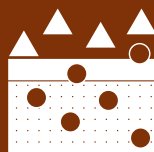
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About the Journal

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

Prof. Dr. Spas D. Kolev
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