

Special Issue

SURMOFs Modified Materials for Biological and Technical Applications

Message from the Guest Editors

Porous coordination polymers (PCPs) or metal–organic frameworks (MOFs) are highly porous crystalline hybrid materials, which are composed of a combination of inorganic metal ions and organic polytopic complex linkers linked to each other by strong coordination bonds. For this Special Issue, we invite contributions in the broad field of pure and/or hybrid SURMOFs and MOF-based membranes. Both experimental and computational studies are welcome. **Keywords**

- surface-supported metal–organic frameworks (SURMOFs)
- metal–organic frameworks (MOFs)
- membrane technology
- metal–organic framework thin films
- MOF-based membranes
- membrane-based separation
- ion transport membrane
- MOF–surface interface
- gas–phase separation
- liquid separation
- gas and liquid sensors
- optical
- water purification
- biomedical applications

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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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