

Special Issue

Advances in Porous and Dense Membranes: Fabrication and Applications

Message from the Guest Editors

Now, the goal of industrial process design is to achieve zero waste. Hence, it is essential to implement the recycling, reuse, and recovery of valuable compounds. For over a decade, porous and dense membranes have been an indispensable part of separation processes because they offer low footprint, are simple and flexible to construct, and have low energy consumption.

Membranes is pleased to invite you to submit your latest discoveries related to current state-of-the-art porous and dense membranes, dealing with various applications in wastewater treatment, solvent recovery, desalination, and gas separation. For this Special Issue, we welcome you to submit original research articles and reviews. Research areas include (but are not limited to) the following: characterization of novel porous or dense membranes; porous or dense membranes and their applications; inorganic membranes and their applications; hybrid membranes for membrane separations; bio-inspired membranes and their applications; and transport mechanisms for porous or dense membranes. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)



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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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