

## Special Issue

# Recent Advances in Polymeric Membranes—Preparation and Applications

### Message from the Guest Editors

Over the years, polymeric membrane technology has received significant attention due to its advantages, such as ease of operation, energy saving capability, compact size, environmental friendliness, and multiple applications. Polymeric membranes can be prepared by a wide variety of techniques and with several configurations depending on their applications. The development of new polymeric materials and the growing number of applications demands the development of better-suited membranes with different characteristics or new composite membranes and methods of preparation, as well as new functionalization methods. This Special Issue will highlight the most recent and applicable achievements regarding the preparation, modification, and performance of polymeric membranes for water treatment, energy savings and /or energy storage, gas separation, and membranes for biomedical applications.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2025)



## Membranes

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Impact Factor 3.6  
CiteScore 7.9  
Indexed in PubMed



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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.

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### Editor-in-Chief

Prof. Dr. Spas D. Kolev  
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