

Special Issue

Functionalized Membranes: New Trends in Preparation and Advanced Applications

Message from the Guest Editors

Functionalized membranes—membranes that have been chemically or physically modified to enhance specific properties—represent a cutting-edge area in membrane science. They are increasingly applied in a wide range of environmental and industrial processes. This Special Issue seeks to offer a comprehensive perspective on the current state of the art, highlighting key challenges and outlining future directions in the development and application of functionalized membranes. It is launched within the framework of the upcoming *1st International Symposium on Functionalized Membranes (ISFMEM 2025)* (Girona, Spain, 7–10 October 2025), which will bring together researchers to discuss the latest advances in the field. We invite original research papers, short communications, and review articles on topics of:

- Membrane fabrication and characterization: green synthesis, stability and reusability, characterization techniques, and more.
- Functionalization strategies: surface chemical modification; grafting; and extractant immobilization, among others.
- Membrane applications: analytical, environmental, industrial, water treatment, and others.

Guest Editors

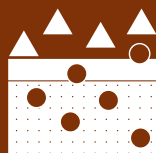
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About the Journal

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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