

Special Issue

Preparation and Application of Nanofiltration Membranes

Message from the Guest Editor

This Special Issue focuses on the cutting-edge developments in nanofiltration (NF) membranes. They exhibit unique properties that allow for the efficient rejection of multivalent ions and larger organic molecules, while maintaining high permeability for monovalent ions and smaller solutes. This balance of selectivity and permeability has driven their widespread application across various sectors, including water purification, wastewater treatment, and resource recovery. The focus of this Special Issue will be on the following topics:

- **Materials and Fabrication Techniques**
- **Fouling and Antifouling Strategies**
- **Functionalization and Hybrid Membranes**
- **Applications in Water and Organic Solvent Systems**
- **Industrial and Environmental Applications**
- **Theoretical and Modeling Studies**

We welcome submissions that explore innovative materials, fabrication techniques, and applications in NF membrane technology. Both experimental research and theoretical modeling are highly encouraged, particularly those addressing practical challenges and future perspectives in this rapidly evolving field.

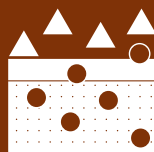
Guest Editor

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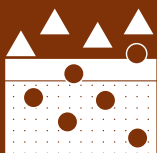


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About the Journal

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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