# Special Issue

## Nanofiltration: Membranes, Process Designs, Modules, and Applications

### Message from the Guest Editors

In recent years, significant advancements in membrane materials and process design have markedly enhanced the performance of nanofiltration (NF) and expanded its application landscape. Contributions addressing process innovations—such as optimized module configurations, hybrid membrane systems (e.g., NF integrated with reverse osmosis or ultrafiltration), and data-driven operational strategies—are particularly welcome, given their role in improving energy efficiency and system reliability. The scope of NF applications has broadened beyond traditional water purification (e.g., drinking water treatment, wastewater reuse, partial desalination) to encompass non-aqueous domains such as organic solvent nanofiltration for chemical and pharmaceutical processing, food and dairy concentration, and resource recovery from industrial streams. This Special Issue seeks to provide a comprehensive overview of current research trends and highlight the latest achievements in membrane development, process designs, and real applications of NF processes.

### Guest Editors

Prof. Dr. Frank Lipnizki
Dr. Mikael Sjölin
Prof. Dr. Bing Wu

### Deadline for manuscript submissions

30 June 2026

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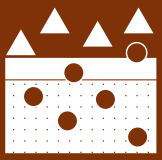

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## About the Journal

### 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 accessjournal 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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