Special Issue

Design and Characterization of Nanofiltration Membranes for Water/Wastewater Treatment

Message from the Guest Editor

Nanofiltration (NF) *membranes* have emerged as a promising solution for both potable water production and wastewater recycling due to their moderate operating pressure, high water permeance, and high rejection rate of divalent ions and organic micropollutants. Requires advancements in *membrane* material design and structure manipulation to enhance separation performance, durability, and sustainability. This Special Issue aims to showcase recent advances in the design, fabrication, and characterization of high-performance NF *membranes* for water/wastewater treatment. We welcome original research and review articles focusing on the development of advanced *membrane* materials, fabrication techniques, and structure manipulation strategies. Studies that explore the material design, separation mechanisms, structure–property–performance relationships, and long-term stability under complex water matrices of NF *membranes* are of particular interest. Submissions should offer significant scientific or technological advancements and align with the theme of NF *membranes* for water and wastewater treatment.

Guest Editor

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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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