

Special Issue

Membrane-Based System Design and Optimization

Message from the Guest Editors

With the development of science and technology, integrated membrane-based systems are widely used in a variety of membrane treatment processes.

Membrane-based separation has become a powerful alternative to traditional separation processes. However, there are still many problems to be solved in the membrane treatment system, such as the selection of membrane, the structure of membrane components, the operation mode of the treatment process, etc.

Therefore, it is important to study the membrane treatment process and optimize the system structure and operating parameters according to the actual situation. This Special Issue aims to collect original, in-depth technical research papers, comprehensive overviews, short communications addressing recent progress in membrane-based system design and optimization. Studies of the renewal of membrane materials, structure optimization of membrane components, combination of membrane technology with other technologies and other related contents are also welcome. Research works involving theoretical, experimental, numerical studies, recent developments, and the current state-of-the-art and emerging technologies in this field are highly encouraged.

Guest Editors

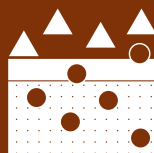
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Deadline for manuscript submissions

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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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