

Special Issue

Membrane-Based Technologies for Water and Energy Sustainability, 2nd Edition

Message from the Guest Editor

This Special Issue aims to provide a platform for researchers and practitioners to disseminate their findings, exchange ideas, and foster collaborations in the field of membrane technologies. By highlighting the latest advancements, addressing challenges, and exploring new applications, this Special Issue aims to contribute to the development and deployment of efficient, sustainable, and economically viable membrane-based solutions related to water and energy sustainability. It also aims to stimulate further research in the field by identifying emerging trends and guiding future directions for membrane-related studies. The scope of this Special Issue includes, but is not limited to, the following areas: 1. Novel membrane materials; 2. Advancements in membrane separation processes; 3. Strategies to mitigate fouling in membrane systems; 4. Innovations in membrane bioreactor systems for wastewater treatment, microbial fuel cells, and other emerging applications; 5. Advancements in membrane-based technologies in energy sustainability; 6. Hybrid and integrated membrane systems for combined water treatment and energy production.

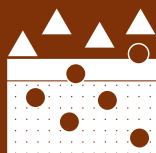
Guest Editor

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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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