

Special Issue

Membrane Technology for Sustainable Environmental Applications

Message from the Guest Editors

In recent decades, membrane science has provided valid answers to the need for more efficient industrial processes, having a wide range of applications in many sectors where it has become the dominant technology; it emerges as a promising solution to numerous pressing environmental problems. The high efficiency, selectivity, and versatility of membrane operations make them ideal green solutions to various environmental concerns, while ensuring minimal energy consumption and low environmental impact. We welcome both original articles and review papers. Potential topics include, but not limited to, the following: **Water:** desalination and brine management; industrial or municipal wastewater treatment; advanced (photo)oxidation processes; removal of contaminants (heavy metals, micropollutants, pharmaceuticals); **Energy:** salinity gradient power conversion; green hydrogen production; fuel cells; **Environment:** air pollution control; CO₂ capture, conversion, and storage; environmental remediation; process intensification in industrial cycles: agrofood, (bio)pharmaceuticals, oil, and fine chemistry.

Guest Editors

Dr. Gianluca Di Profio

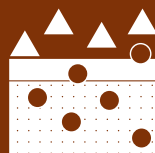
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About the Journal

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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