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Liquid Membranes and Membrane Contactors: Recent Developments and Applications for a Greener and More Sustainable Industry

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Message from the Guest Editors

Membrane contactors (MCs) and liquid membranes (LMs) promote contact between two and three fluid phases for the efficient transfer of specific compounds in gases or liquids, allowing their separation and concentration. This versatility in the type of contact between the fluid phases allows both MCs and LMs to be applied in various types of processes, such as in situ product removal, pharmaceutical product recovery/separation, wastewater treatment, CO₂ capture/separation, metal separation/concentration, and water desalination, among others. Currently, MC and LM research is on the rise, and much of this research is aimed at making processes greener and more sustainable, attracting the attention of various industries, including chemical, biochemical, pharmaceutical, food, cosmetics, metallurgy and agriculture. Therefore, this Special Issue focuses on new developments and applications of MCs and LMs to improve processes in various industries by making them greener and more sustainable.





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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 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.

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