



## Microfluidics and MEMS Technology for Membranes

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submissions:

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### Message from the Guest Editor

Dear Colleagues,

Microfluidic technologies are key in the development of novel applications in different fields. In the field of separation, microfluidics-based nano- and micro-scale membranes or separation systems provide superior control over the physico-chemical characteristics of the final product. Microfluidics provide a physiological microenvironment close to reality capable of reproducing biological and physical properties and use biomimetic approaches for separation or classification. Furthermore, significant efforts have been devoted to the development of miniaturized systems for localized, controlled delivery of pharmaceutical agents to cells and/or tissues or for the separation of undesired particles.

In this Special Issue, we aim to showcase research papers, short communications, and review articles focusing on the development of microfluidics-based technologies applied to membranes relevant either for clinical safety, localized delivery/storage of target cells and/or tissues or particular points of interest in environment/system or industrial applications.

Prof. Dr. Jasmina Casals-Terré

*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 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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