Special Issue

Design and Structural Characterization of Graphene-Based Membranes

Message from the Guest Editors

Graphene-based membranes are attracting increasing interest from the scientific community. Many works describe the use of graphene and its derivatives for membrane fabrication. These materials can be used as they are or mixed with polymers, ceramic or other 2D materials to obtain composite membranes. These membranes find application in a wide range of fields, from water treatment to gas separation, from food industry to energy harvesting. However, the scale-up of graphene-based membranes still needs scientific effort. Efficient and innovative design solutions, together with standardized structural characterizations, are mandatory to reach the technology readiness level for industrial application. In this sense, the choice of the materials, an engineered design of the membranes and a deep structural characterization can make the difference between scale-up and failure.

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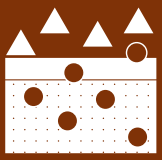

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Message from the Editor-in-Chief

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 accessjournal 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

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