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Graphene-Based Membranes: Overview and Perspectives

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Deadline for manuscript submissions:
closed (10 October 2020)

Message from the Guest Editors

Graphene-based membranes have attracted considerable attention in the last decade from experimental and theoretical perspectives, due to novel and exciting transport properties such as high permeability and high selectivity for both liquids and gases. This Special Issue on “Graphene-Based Membranes: Overview and Perspectives” of *Membranes* seeks contributions in assessing the state-of-the-art and future developments in the field of graphene-based membranes. Topics include, but are not limited to, development, the manufacturing process, modification, transport phenomena, novel applications, and demonstration efforts toward industrial applications. Authors are invited to submit their latest results; both original papers and reviews are welcome.

- Membrane
- Graphene
- Graphene oxide
- Nanofiltration
- Wastewater treatment
- Organic solvent nanofiltration
- Manufacturing



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Special Issue



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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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