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Membrane and Other Innovative Technologies for Water Purification: Design, Development, and Application

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Message from the Guest Editors

As is widely understood, water is essential for life on Earth and plays an important role in the maintenance and functioning of communities, the economy and society. However, modern consumer society endangers global water resources on a daily basis via the emission of various harmful substances into the environment. Moreover, due to increasingly pronounced climate changes, the lack of drinking water is becoming more noticeable. Therefore, in order to preserve the excellent quality of water in nature, but also to ensure a sufficient amount of water for human, industrial, and agrarian consumption, it is necessary to invest enormous effort and resources into the development of effective methods of wastewater treatment. In addition, giving value to once-used water is essential from both an economic point of view and for the preservation of natural resources. Thus, the development of new materials and technologies in wastewater treatment is a key challenge today.

This Special Issue aims to collect original high-quality articles that explore the full potential of new materials for applications in environmental protection and water and wastewater treatment.



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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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