

Special Issue

Design, Synthesis, and Application of Inorganic Membranes

Message from the Guest Editors

Inorganic membranes are indispensable in addressing global challenges related to energy efficiency, environmental protection, and advanced industrial processes. Their exceptional stability under extreme conditions makes them ideal for gas separation, water treatment, and catalytic reaction applications. This Special Issue focuses on recent innovations in the design, synthesis, and application of inorganic membranes. Contributions are encouraged from fundamental research and industrial application perspectives, aiming to push the frontiers of inorganic membrane technology and explore its potential in emerging fields such as carbon capture and energy-related processes.

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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.

Editor-in-Chief

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