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Membrane-Related Materials for Fuel Cell and/or Battery Applications

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Deadline for manuscript submissions:

closed (30 May 2024)

Message from the Guest Editors

The Special Issue, entitled "Membrane-related Materials for Fuel Cell and/or Battery Applications", is dedicated to exploring cutting-edge advancements in those materials crucial for the development and enhancement of fuel cells and batteries. Membranes play a pivotal role in the performance and efficiency of these energy storage technologies, influencing key factors such as conductivity, selectivity, and overall durability. This interdisciplinary platform invites researchers, scientists, and engineers to contribute their latest findings, innovative methodologies, and insightful perspectives on membrane-related materials.

The scope of the Special Issue encompasses a broad range of materials, including, but not limited to, polymers, ceramics, and hybrid materials, designed to address challenges and push the boundaries of fuel cell and battery technologies. Contributions may delve into novel synthesis techniques, characterization methods, theoretical studies and modeling, and performance evaluations of membrane materials, fostering a comprehensive understanding of their fundamental properties and potential applications.



mdpi.com/si/191493

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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