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Ion-Exchange Membranes and Processes (Volume III)

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Message from the Guest Editors

The aim of this Special Issue is to obtain a holistic picture of the latest advances in the synthesis of new ion exchange materials, the modification of known and experimental ion exchange membranes, the experimental and theoretical study of their characteristics, and the use of these membranes in various processes.

The scope of the Special Issue include but not limited to:

- Commercial, experimental, and modified ion exchange membranes;
- Their transport characteristics and structure–property relationships;
- The concentration polarization and coupled phenomena that occur when an electric field is applied;
- The behavior of ion exchange membranes in various processes;
- Ion exchange membrane fouling, scaling and ways to counter these phenomena;
- New methods of studying the properties of ion exchange membranes and membrane systems;
- New areas for the application of ion exchange membranes.

Note: The Special Issue offers 500 CHF discounts (Original APC: 1800 CHF) for all participants of “Ion transport in organic and inorganic membranes, ITIM'2021, Sochi, Russia”.



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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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