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Modelling and Experiment of Anion-Exchange Membranes

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Deadline for manuscript submissions:
closed (31 October 2020)

Message from the Guest Editor

Dear Colleagues,

The main goal of the Special Issue is to contribute to the advancement of AEMs' knowledge. Understanding of the behavior of AEMs using experimental and theoretical (modelling, simulation) studies; methods of preparation of new membranes and modification of commercial ones are within the scope of the Special issue. Studies on structure-property relationships; dependence of the AEM performance on the preparation/modification method; mechanisms of ion and molecules transport in and through the AEMs; membrane fouling and ways of fighting it; use of AEMs in separation, extraction and removal of species; other aspects of AEMs preparation, characterization and application are of great interest. Authors are invited to submit their latest results, both original papers and reviews; in particular, contributions to assess the state-of-the-art and future developments are welcome.

Keywords:

- anion-exchange membrane
- preparation
- characterization
- structure-property relationship
- ion transport
- chemical reaction
- separation

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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 accessjournal 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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