

## Special Issue

# Design, Synthesis and Applications of Ion Exchange Membranes

### Message from the Guest Editors

Since its beginnings more than half a century ago, ionic exchange membrane technology now covers many chemical and electrochemistry technology fields. Ion exchange membranes (IEMs), including fully polymeric, ceramic, and hybrid ones, have great potential in diverse applications for industry, public health, and environmental issues, as well as emerging applications in the field of contemporary green energy conversion technology. The technical feasibility of all membrane processes largely depends on the general membrane properties, and there is a significant variation in IEM types. Having the most suitable membrane for a given application constitutes a major challenge; for this reason, IEMs have been extensively studied in both academia and industry. Materials, designs, synthetic methods, and, last but not at least, their aimed niche applications, in addition to their possible post-application utilization and recyclability, are all crucial issues in the field of IEMs. Research contributions on the different aspects related to ion exchange membranes are welcome to this Special Issue.

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### Deadline for manuscript submissions

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## Membranes

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## About the Journal

### 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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### Editor-in-Chief

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