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## Advances in Ion Exchange Membranes and Electro-Membrane Processes

Guest Editors:

**Dr. Jiefeng Pan**

College of Chemical Engineering,  
Zhejiang University of  
Technology, Hangzhou 310014,  
China

**Dr. Xueting Zhao**

College of Chemical Engineering,  
Zhejiang University of  
Technology, Hangzhou 310014,  
China

Deadline for manuscript  
submissions:

**closed (15 July 2024)**

### Message from the Guest Editors

Dear Colleagues,

Ion exchange membrane-promoted electro-membrane processes that are energy-efficient and non-hazardous, such as electrodialysis (ED), membrane capacitive deionization (MCDI), fuel cells (FCs), and flow redox cells, are promising solutions to current environmental and energy issues surrounding on-demand separation, cleaner production, resource utilization and energy conversion. Ion exchange membranes are important materials enabling highly selective ion separation and highly efficient ion transport for innovation-driven development. This Special Issue aims to collect contributions on the most recent advances in the field of ion exchange Membranes and electro-membrane Processes. Topics of interest are structural design and performance research of novel ion exchange membrane materials or membrane separation processes, as well as the separation or transport mechanisms of ions or other chemicals in the well-defined channels of membranes.





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## Editor-in-Chief

**Prof. Dr. Spas D. Kolev**

School of Chemistry, The  
University of Melbourne,  
Melbourne, VIC 3010, Australia

## 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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Membranes Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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