

## Sustainable Mixed Ionic-Electronic Conducting Membranes for Environmental and Energy Applications

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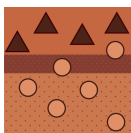
Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editors

This Special Issue of the journal *Membranes* titled “Sustainable Mixed Ionic–Electronic Conducting Membranes for Environmental and Energy Applications” seeks contributions to assess state-of-the-art technologies, the latest developments and future challenges and opportunities of MIEC membranes. Topics include, but are not limited to, membranes for H<sub>2</sub> and O<sub>2</sub> production, membranes for CO<sub>2</sub> conversion, membranes for CO<sub>2</sub> separation, membrane reactors for the production of chemicals, membranes for O<sub>2</sub> and H<sub>2</sub> separation, cathode development for solid oxide fuel cells, protonic ceramic fuel cells, solar-driven evaporation processes, electrolyzer cells for power-to-X technologies, modeling for oxygen and hydrogen transport, new material development, new fabrication techniques, industrial exploitation and new processes using MIEC membranes. Both original articles, perspectives and reviews are welcome.





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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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