Special Issue

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

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 H2 and O2 production, membranes for CO2 conversion, membranes for CO2 separation, membrane reactors for the production of chemicals, membranes for O2 and H2 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.

Guest Editors

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Prof. Dr. Anke Weidenkaff

Dr. Marc Widenmeyer

Prof. Dr. Armin Feldhoff

Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
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