

Special Issue

Oxygen Transport Membranes: Synthesis and Applications

Message from the Guest Editors

This Special Issue of the journal *Membranes* on “Oxygen Transport Membranes: Synthesis and Applications” seeks contributions to assess the latest developments and future perspectives of various oxygen transport membrane-based applications. Topics include but are not limited to novel membrane material development, module and reactor design, fabrication techniques, membrane catalysis, characterization, modeling of membrane transport phenomena, industrial exploitation, and new applications. Both reviews and original articles are welcome. **Keywords:**

- Structure–property–performance relationships
- New membrane materials
- Oxygen permeability
- Modeling of membrane transport phenomena
- Membrane regeneration and recycling
- Membrane characterization
- Membrane modification
- Catalytic layer
- Oxygen separation
- Fabrication techniques
- Energy storage and resource recovery applications

Guest Editors

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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.

Editor-in-Chief

Prof. Dr. Spas D. Kolev
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