

Special Issue

State-of-the-Art Membrane Science and Technology in the Iberian Peninsula 2021-2022

Message from the Guest Editors

On the Iberian Peninsula, active membrane-related research is now being performed in a variety of domains. This issue aims to provide an overview of the trends and challenges in membrane processes and materials, involving Portuguese and Spanish researchers, as a contribution to a more sustainable water-energy-material-food nexus. The topics include but are not limited to emerging membrane-based technologies, innovative process design, modeling and validation, and lifecycle and techno-economic analysis. Both original papers and reviews are welcome. Keywords

- membrane processes
- process intensification
- (bio)economy
- renewable sources
- sustainability
- circular economy
- water and wastewater treatment
- advanced oxidation processes
- membrane (bio)reactors
- process modeling
- hybrid processes
- CO₂ capture and utilization
- membranes for fuel cells and electrolyzers
- ionic liquid-based materials
- gas separation
- new membranes characterization

Guest Editors

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Dr. Diogo M.F. Santos

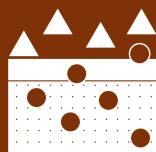
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Deadline for manuscript submissions

closed (25 December 2022)



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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

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