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# Gas Transport across Membranes—Discoveries, Prospects and Innovations

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Deadline for manuscript submissions:

closed (30 September 2022)

# **Message from the Guest Editors**

This Special Issue seeks contributions to assess the stateof-the-art technologies, latest discoveries and future opportunities of gas transport membranes. The scope of this Special Issue is gas transport via any kind of membrane technology or a combination of other technologies with membrane process. Topics include, but are not limited to, membranes for H2 production, membranes for gas separation (O2, H2, CO2, etc.), membranes for CO2 conversion, natural gas purification, membrane reactors for the production of chemicals, hydrocarbon separation in the petrochemical industry, cathode development for solid oxide fuel cells, protonic ceramic fuel cells, solar-driven evaporation process, electrolyzer cells for power-to-X technologies, separation process modeling and fundamental mechanism understanding, new material development, gas pollutant new fabrication techniques, industrial treatment. exploitation, and new technologies integrated with gas transport membranes. We welcome various original articles, perspectives and reviews dealing with gas transport membrane technology.













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## **Editor-in-Chief**

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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).

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