

## Special Issue

# Research Progress of Membrane Technology in Gas Separation Processes

### Message from the Guest Editor

We are pleased to invite you to submit your manuscript to the Special Issue “Research Progress of Membrane Technology in Gas Separation Processes”. Membrane gas separation processes are a relatively recent addition to the suite of technologies used for industrial gas separation. Since their first introduction for nitrogen production from air and hydrogen recovery in the 1980s, improvements in membrane transport properties, manufacture, and module design have enabled the expansion of early markets and entry into new markets. This Special Issue is devoted to recent progress in all aspects of membrane gas separation science and engineering, from the development of materials that can exceed the apparent upper bound for polymeric materials to the development of new configurations for process optimization. Both original research and review articles are sought that provide insight into the future for the field and suggest pathways for growth. Articles that emphasize sustainability in the development and use of membrane processes are of particular interest. We look forward to receiving your manuscripts.

### Guest Editor

Prof. Dr. Glenn Lipscomb

School of Green Chemistry and Engineering, University of Toledo,  
Toledo, OH, USA

### Deadline for manuscript submissions

closed (31 March 2024)



## Membranes

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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.

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### Editor-in-Chief

Prof. Dr. Spas D. Kolev  
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3010, Australia

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