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Advanced Gas Separation/Purification Membrane Processes

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Message from the Guest Editors

Dear Colleagues,

Membrane processes for the separation or purification of gases have long played an important role in the portfolio of technologies for environmental protection. They integrate well with other technologies, and are valued for their flexibility, compact design, ease of scale-up, lack of a regeneration step, and general lack of need for the consumption of chemicals. Therefore, they are obviously being considered during current intensive technological development which is associated with the transition to a low-carbon economy, when there is a need to carry out the separation or purification of gaseous streams.

This Special Issue of *Membranes* on “Advanced Gas Separation/Purification Membrane Processes” is especially dedicated to assessing the current role and future prospects of membrane gas separation/purification processes accompanying technologies being developed to enable the transition towards a low-carbon economy. It welcomes full research papers, communications and review articles. Topics include, but are not limited to, separation/purification processes based on membranes in biogas treatment, hydrogen production, and low-carbon fuel generation.



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Special Issue



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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 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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