Special Issue

Advanced Membranes for Carbon Capture 2021

Message from the Guest Editors

We cordially invite you to submit your research work or review article to this Special Issue entitled “Advanced membranes for carbon capture 2021.” Our Special Issue hopes to publish recent advances in materials and processes (emerging or with a high Technology Readiness Level (TRL)) for membrane-based carbon capture. The topics of interests include, but not limited to, novel membrane materials (polymers, ceramics, metallics, metal-organic frameworks, 2-D materials, and mixed matrix materials) for various capture schemes (such as post-combustion capture, pre-combustion capture, carbon capture from industrial sources, direct air capture, etc.), emerging processes or hybrid processes based on membranes, techno-economic analysis, preparation and characterization of thin-film composite membranes or hollow fiber membranes, etc.

Keywords

- Membranes
- Carbon capture
- Polymer membranes
- Ceramic membranes
- Metallic membranes
- Metal-organic frameworks
- 2-D materials
- Mixed matrix materials
- Techno-economic analysis
- Process design

Guest Editors

Dr. Liang Huang

Prof. Dr. Haiqing Lin

Dr. Naiying Du

Prof. Dr. Theodore T. Tsotsis

Dr. Thijs A. Peters

Deadline for manuscript submissions

closed (20 January 2022)

Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/83641

Membranes
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
membranes@mdpi.com

mdpi.com/journal/membranes

Membranes

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/journal/membranes

MDPI

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 accessjournal 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
School of Chemistry, The University of Melbourne, Melbourne, VIC 3010, Australia

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Polymer Science) / CiteScore - Q1 (Chemical Engineering (miscellaneous))