

## Special Issue

# Recent Membrane Research and Development in Korea

### Message from the Guest Editors

In recent years, carbon neutrality has become a major issue around the world related to global climate change. Membrane technology is considered particularly promising, with the potential to offer solutions this issue, and it is used in a broad range of applications. For instance, membranes can contribute to solving water shortage and environmental problems, as well as achieving energy efficiency for industrial processes, resource recovery and reuse, and energy generation. A lot of this research has taken place in Korea, especially in recent decades. Despite this great potential, however, further development is still needed in the field of membranes to achieve successful membrane applications in various fields (e.g., environmental and energy issue, petroleum and fine chemical industry, bioindustry, and healthcare industry). The aim of this Special Issue is to introduce recent membrane research and development related to carbon neutrality in Korea.

### Guest Editors

Dr. Hosik Park

Membrane Research Center, Korea Research Institute of Chemical Technology (KRICT), Daejeon 34114, Republic of Korea

Prof. Dr. Kew-Ho Lee

Korea Research Institute of Chemical Technology, 141 Gajeong-ro, Yuseong-gu, Daejeon 34144, Republic of Korea

### Deadline for manuscript submissions

closed (30 January 2022)



## Membranes

an Open Access Journal  
by MDPI

Impact Factor 3.6  
CiteScore 7.9  
Indexed in PubMed



[mdpi.com/si/88377](https://mdpi.com/si/88377)

*Membranes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[membranes@mdpi.com](mailto:membranes@mdpi.com)

[mdpi.com/journal/  
membranes](https://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](https://mdpi.com/journal/membranes)



## 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

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))