

## Special Issue

# Membranes in Biomedical Engineering: Assisting Clinical Engineers

### Message from the Guest Editors

In this Special Issue, researchers are invited to contribute original research papers, as well as review articles or short communications, related to the preparation and characterization of membranes, transport phenomena, antithrombotic material, fouling, biocompatibility, module and reactor design, process design, and industrial perspectives. The topics include but are not limited to extracorporeal membrane oxygenation (ECMO), gas separation membrane, artificial organs (artificial kidney, dialyzer, artificial liver, artificial pancreas), bioartificial organs (bioartificial kidney, bioartificial liver, bioartificial pancreas, cell culture, scaffold), blood purification membranes, tissue engineering, and regenerative medicine in biomedical engineering.

### Guest Editors

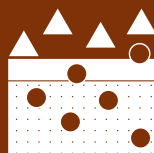
Prof. Dr. Kiyotaka Sakai

Prof. Dr. Makoto Fukuda

Dr. Hiroyuki Sugaya

### Deadline for manuscript submissions

closed (31 March 2022)



## Membranes

an Open Access Journal  
by MDPI

Impact Factor 3.6  
CiteScore 7.9  
Indexed in PubMed



[mdpi.com/si/64091](https://mdpi.com/si/64091)

*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))