

## Special Issue

# Electrochemical Membranes: Materials, Characterization, Testing, and Cleaning

### Message from the Guest Editors

Due to the utmost importance of developing and implementing appropriate ion-exchange membranes for electro-membrane processes, we are pleased to invite you to submit your contributions to the Special Issue entitled “Electrochemical Membranes: Materials, Characterization, Testing, and Cleaning” of the journal *Membranes*. This Special Issue covers the recent state of the art on membranes’ characteristics for electrochemical applications, including their synthesis, characterization, testing, and cleaning, among others. This Special Issue aims to publish medium-sized review papers and original research articles related to novel developments or achievements in electrochemical membranes for various applications. The topics of interest include but are not limited to: membrane materials with a focus on green polymers, membrane preparation procedures, membrane characterization, membrane testing, fouling analyses, and membrane cleaning after use in electro-membrane processes such as Donnan dialysis, electrodialysis, reverse electrodialysis, capacitive deionization, fuel cells, energy generation, etc.

### Guest Editors

Dr. Svetlozar Velizarov

Laboratory for Green Chemistry (LAQV), Faculty of Science and Technology, New University of Lisbon, 2829-516 Caparica, Portugal

Dr. Ivan Merino-Garcia

Departamento de Ingenierías Química y Biomolecular, Universidad de Cantabria, Avenida de los Castros s/n, 39005 Santander, Cantabria, Spain

### Deadline for manuscript submissions

closed (30 April 2024)



## Membranes

an Open Access Journal  
by MDPI

Impact Factor 3.6  
CiteScore 7.9  
Indexed in PubMed



[mdpi.com/si/108901](https://mdpi.com/si/108901)

*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))