



an Open Access Journal by MDPI

## Proton Conducting Membranes for Fuel Cells

Guest Editors:

### Dr. Uma Thanganathan

Forschungszentrum, GmbH,  
Institute of Energy and Climate  
Research, Jülich, Wilhelm-  
Johnen-Straße, 52428 Jülich,  
Germany

### Dr. B. Jagan Mohan Reddy

Department of Chemistry,  
Adikavi Nannaya University,  
Rajamahendravaram-533296,  
Andhra Pradesh, India

### Dr. Dengpan Dong

Chemical Sciences Division, Oak  
Ridge National Laboratory, Oak  
Ridge, TN 37831, USA

Deadline for manuscript  
submissions:

**closed (30 September 2021)**

### Message from the Guest Editors

Polymer *electrolyte membrane fuel cells* (PEMFC) are currently under intensive development for a range of power generation applications in transportation, stationary and portable power. These are essential issues to be addressed in the next 10 years through continuous research to solve many problems. Materials selection for a commercial product involves an iterative design process that eventually becomes specific to a particular product and application.

Our Special Issue invites all kinds of research works, such as synthesis/characterization/devices in the field of organic/inorganic/hybrid materials-based proton conducting membranes for fuel cell applications. Under the title, there are no restrictions for the submission of studies on advanced materials for energy applications.

### Keywords

- organic/inorganic/hybrid materials;
- proton conducting materials;
- fuel cells;
- synthesis/characterization;
- materials chemistry;
- physical chemistry



[mdpi.com/si/81301](https://mdpi.com/si/81301)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Spas D. Kolev

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

## 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.

## 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 (*Chemistry, Physical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

## Contact Us

*Membranes* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/membranes](http://mdpi.com/journal/membranes)  
[membranes@mdpi.com](mailto:membranes@mdpi.com)  
[X@Membranes\\_MDPI](https://x.com/Membranes_MDPI)