Special Issue

Progress in Proton Exchange Membrane Fuel Cells (PEMFCs)

Message from the Guest Editors

As research efforts continue to strive for renewable and sustainable energy, fuel cells appear to offer a promising and clean power source. Among the fuel cells available, proton exchange membrane (PEM) fuel cells are receiving considerable attention. This special issue invites novel research articles on the latest developments and innovations in PEM fuel cells. It fosters various contributions ranging from material characterization, development of various components in the PEM fuel cell, as well as theoretical and experimental results in this cutting-edge research area. Research and review articles that address the progress in various PEM fuel cell applications are also welcomed. Topics include but are not limited to:

- Development of new membrane materials.
- Non noble catalysts and low-Pt catalysts
- Membrane-electrode assemblies (MEAs)
- CFD modeling
- Bipolar flow field design
- PEMFCs for automotive applications
- PEMFCs for the aviation applications
- Water and thermal management in PEMFCs

Guest Editors

Dr. Muhammad Tawalbeh

Dr. Amani Al-Othman

Dr. Tedjani Mesbahi

Dr. Tabbi Wilberforce Awotwe

Deadline for manuscript submissions

closed (15 July 2023)

Membranes

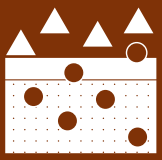
an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.9
Indexed in PubMed

mdpi.com/si/137113

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

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))