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Membrane Electrode Assembly (MEA)

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Deadline for manuscript
submissions:

closed (20 June 2022)

Message from the Guest Editor

Dear Colleagues,

In recent years, many natural disasters such as floods and landslides caused by heavy rains, which are thought to be caused by global warming, have occurred around the world. Under these circumstances, the transition from fossil fuels to hydrogen is becoming necessary, and the commercialization and widespread use of fuel cells—which are the foundation for the construction of a hydrogen society—is an important issue. In particular, PEFCs are most commercialized close to consumers, and for further dissemination, it is desirable to improve the performance and lower the cost of MEAs, which are the main components of PEFCs. We are pleased to invite you to submit your research on the current status of MEA technology. Research areas may include (but are not limited to) the following: structure of catalyst layer and membrane, manufacturing process of MEA, new catalysts/membranes, platinum and ionomer alternatives, and degradation mechanisms of catalysts/membranes.



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Special Issue



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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.

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