

## Special Issue

# Membranes and Separators in Microbial Fuel Cells

### Message from the Guest Editor

Microbial fuel cells (MFCs) have emerged as a promising renewable energy technology concurrently providing bioelectricity generation, pollutant degradation, and other capabilities (e.g., nutrient recovery, environmental quality monitoring sensors, implantable health devices). In MFC design, membranes are key components and frequently used as a separator, anode, and/or cathode material. Membranes directly affect the MFC performance and manufacturing costs. This Special Issue mainly emphasizes recent developments and advancements in membrane and separator materials for increasing the performance of MFCs and related systems. The important characteristics of membrane and separator materials that require investigation include but are not limited to electrical resistance, electrical conductivity, chemical stability, corrosion resistance, biofouling, mechanical strength, biocompatibility, environmental friendliness, and economics (cost).

### Guest Editor

Prof. Dr. Chikashi Sato

Department of Civil and Environmental Engineering, Idaho State University, Pocatello, ID 83209, USA

### Deadline for manuscript submissions

closed (10 June 2022)



## Membranes

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*Membranes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[membranes@mdpi.com](mailto:membranes@mdpi.com)

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## 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.

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### Editor-in-Chief

Prof. Dr. Spas D. Kolev  
School of Chemistry, The University of Melbourne, Melbourne, VIC  
3010, Australia

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