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Membranes and Separators in Microbial Fuel Cells

Guest Editor:

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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).



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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).

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