

Special Issue

Trends and Prospects in Microbial Fuel Cells

Message from the Guest Editor

Bioelectrochemical systems combine electrodes and reactions driven by microorganisms for many different applications. The conversion of organic material in wastewater into electricity occurs in microbial fuel cells (MFCs). However, the power densities produced by MFCs are still too low for application. This is due to many factors, such as the electrogenic capacity of the electricigen, the conductive performance and structure of the electrode, the structure and internal resistance of the individual cell and battery pack system, the composition of the electrolyte, the operating conditions, and the type and supply of the substrate. This Special Issue aims to present and disseminate the most recent advances, trends, and prospects related to the theoretical innovation, optimization design, application, and future development direction of microbial fuel cells.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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