

Special Issue

Recent Advancements in Methods and Applications of Microbial Fuel Cells

Message from the Guest Editors

Microbial fuel cells (MFCs) are novel devices that could be used for wastewater treatment and power generation simultaneously by using electroactive bacteria.

Electroactive bacteria are newly discovered bacteria that engage in extracellular electron transport. Many recent advances in MFCs have resulted in their improved performance. MFCs represent a new and promising research direction for real-time and long-term operation. However, many challenges must be addressed before MFCs' maximum potential can be realized. MFCs could be employed as biosensors in their respective mediums. This Special Issue will focus on recent advancement in MFCs, such as efficient anode materials, technology coupling, innovative applications, optimum designs, pollutant removal and pilot scale-ups. This Special Issue will publish experimental and review papers as well as short communications discussing recent developments in microbial fuel cells for optimum performance.

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