Special Issue

Microbial Fuel Cells II

Message from the Guest Editor

A microbial fuel cell (MFC) generates electricity with the help of electrochemically active bacteria, degrading abundant, renewable organic matter, which can be environmental pollutants present in wastewater. Thus, MFC can be one of the sustainable energy generation systems of the future. Furthermore, MFC technology has evolved into other viable applications, such as removal of toxic substances, nutrient recovery, environmental quality monitoring sensors, and implantable health devices. Since the discovery of microbial electrical energy over a century ago, MFC technology has made significant advances in energy generation and recovery. This Special Issue will focus on recent revolutionary MFC technologies in terms of biological and non-biological catalysts, construction materials, design, operation, and applications. We look forward to hearing from you soon.

Guest Editor

Prof. Dr. Chikashi Sato

Department of Civil and Environmental Engineering, Idaho State University, 921 S. 8th Ave., Stop 8060, Pocatello, ID 83209, USA

Deadline for manuscript submissions

closed (20 May 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/33028

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)

MDPI