



*energies*



an Open Access Journal by MDPI

## Microbial Fuel Cells II

Guest Editor:

**Prof. Dr. Chikashi Sato**

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

Deadline for manuscript  
submissions:

**closed (20 May 2023)**

### Message from the Guest Editor

Dear Colleagues,

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.



[mdpi.com/si/33028](https://mdpi.com/si/33028)

**Special** Issue



# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

## 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.

## 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 Compindex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Control and Optimization)

## Contact Us

---

*Energies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://twitter.com/energies_mdpi)