



Advances of Microbial Processes in Bioelectrochemical Systems

Guest Editors:

Dr. Argyro Tsipa

1. Department of Civil and
Environmental Engineering,
University of Cyprus, 75
Kallipoleos, 1678 Nicosia, Cyprus
2. Nireas International Water
Research Centre, University of
Cyprus, P.O. Box 20537, 1678
Nicosia, Cyprus

Dr. Paola Grenni

Water Research Institute,
National Research Council (IRSA-
CNR), 00010 Rome, Italy

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

This Special Issue aims to present up-to-date information on the scientific advances in the microbial processes employed in bioelectrochemical systems. Authors are invited to submit papers relating to, but not limited to, the following topics: electroactive pure microbial cultures, microbial communities, microbial fuel cell, microbial electrosynthesis, microbial electrochemistry, gene expression, gene regulation, metabolic pathways, systems biology, microbial enzymes, biological systems, synthetic biology, biodegradation gene expression, and metabolic pathways in microbial fuel cells.

- bioelectrochemical systems
- pure microbial cultures
- microbial communities and diversity
- metabolic pathways of biodegradation
- gene expression upon biodegradation
- microbial fuel cells for waste and wastewater treatment
- microbial electrosynthesis
- genetic engineering
- synthetic and systems biology





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

Contact Us

Processes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/processes
processes@mdpi.com
[X@Processes_MDPI](https://twitter.com/Processes_MDPI)