

Special Issue

Performance Assessment of Bioelectrochemical Systems

Message from the Guest Editor

The growing threat of climate change has created a demand for sustainable technologies that can help to reduce our reliance on fossil-based energy, fuels, and chemicals. Bioelectrochemical systems (BESs), such as microbial fuel cells (MFCs), microbial electrosynthesis systems (MESs), microbial desalination cells (MDCs), etc., represent group of technologies that have the potential to offer sustainable alternatives to traditional routes of electricity production, wastewater treatment, chemical synthesis, desalination, etc. Over the last 5–10 years, there has been significant improvement in BES performance, particularly for MFCs. This advancement is a result of continuing research on highly efficient electrodes, membrane materials, enhanced/enriched bacteria, and new improved reactor configurations. The present Special Issue aims to collate original research and review articles addressing multiple aspects on performance assessments of bioelectrochemical systems. Manuscripts based on either experimental studies or numerical/theoretical analysis will be considered for publication.

Guest Editor

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Deadline for manuscript submissions

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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.

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