Special Issue

Microbial Electrochemical Technology for Wastewater Treatment

Message from the Guest Editors

Microbial electrochemistry refers to the electrochemical phenomenon exhibited by microorganisms in the process of electron exchange with an extracellular electron acceptor or donor, the principle of which is the extracellular electron transfer process. Application of microbial electrochemical technology in surface and groundwater treatment, polluted soil remediation, bioelectrochemical sensors have been developed. The goals of Special Issue are to showcase the most recent developments, disseminate intriguing innovations, and discuss the challenges associated with using microbial electrochemical technology for wastewater treatment. Studies discussing recent advances in the following topics are welcomed:

- Interspecies electron transfer within microbes
- The mechanism of extracellular electron transport in microorganisms
- Microbial electrochemical technology for energy recovery from wastewater
- Microbial electrochemical technology for resource recovery from wastewater
- The construction design and operation of scaled-up microbial electrochemical systems
- Microbial electrochemical remediation technology for polluted water environments

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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