

## Special Issue

# Advancements in Microbial Fuel Cells

### Message from the Guest Editor

The Special Issue Advancements in Microbial Fuel Cells seeks high-quality research focusing on the advances in and applications of MFC technology. The contributions will include advancements in bioanode-based MFCs for the biodegradation of emerging pollutants and the effect of new biomass-based materials for anodes on the electron transfer process to the anode. Concerning biocathode-based MFCs, the contributing research will provide the latest progress in recent applications of this system. Studies focusing on the enhancement and long-term operation of MFCs are of high interest. Topics can include, but are not limited to, the following:

- Biodegradation or biotransformation of emerging pollutants in MFC systems;
- Removal of heavy metals in MFC systems;
- Biocathode-based MFCs;
- Novel materials for electrodes;
- Novel MFC configurations;
- Merging MFC technology with other wastewater treatment technologies;
- Elucidating microbial interactions with pollutants and electrodes.

### Guest Editor

Dr. Claudia Guerrero-Barajas

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### Deadline for manuscript submissions

closed (31 March 2025)



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