







an Open Access Journal by MDPI

Bioelectrocatalysis, from a Fundamental Understanding of Mechanisms to Synthesis of Molecules

Guest Editors:

Prof. Dr. Petra Hellwig

CNRS Univ Strasbourg, Lab Bioelectrochim & Spect, UMR 7140, F-67000 Strasbourg, France

Dr. Mathieu Etienne

Laboratoire de Chimie Physique et Microbiologie pour les Matériaux et l'Environnement(LCPME), UMR7564, CNRS-Université de Lorraine, Villers-lès-Nancy, France

Dr. Enrico Marsili

Department of Chemical and Materials Engineering, Nazarbayev University, 53 Kabanbay Batyr Avenue, Astana 010000, Kazakhstan

Deadline for manuscript submissions:

closed (31 October 2019)

Message from the Guest Editors

Dear Colleagues,

Redox reactions are crucial to biology and chemistry as well as for environmental research. This Special Issue focuses on bioelectrochemical methods, addressing different aspects of this important field with the aim of achieving a basic understanding of the biocatalytic processes and their application in bioelectrochemical technology. Our focus is both on fundamental and applied research: Methods based on the electrocatalytic reaction of enzymes and bacteria, both as biofilms and suspended biomass, or methods based on metals, metalloids or organic molecules, and novel electrochemically active microorganisms from extreme environments. Submissions pilot scale processes and precommercial bioelectrochemical processes are also encouraged.

Prof. Dr. Petra Hellwig Dr. Mathieu Etienne Prof. Enrico Marsili Guest Editors













an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous*))

Contact Us