



Feature Papers in Biotechnology of Microbial Enzymes

Guest Editor:

Prof. Dr. Dietmar Haltrich

Department of Food Sciences
and Technology, BOKU University
of Natural Resources and Life
Sciences, Muthgasse 18, A-1190
Wien, Austria

Deadline for manuscript
submissions:
closed (31 January 2023)

Message from the Guest Editor

Microbial enzymes play an integral and important role in a number of different biotechnological applications. Microbial enzymes and, especially, biocatalysis have developed enormously in the last decade and now offer solutions for the sustainable production of chiral and highly functionalized molecules. Recent advances in oxidative enzymes have furthermore boosted research towards biorefineries and biofuels. This enormous progress is based on new approaches for the screening and identification of novel microbial enzymes, various methods to efficiently (over)produce enzymes in an economic way, various techniques to tailor enzymes with respect to desired or novel properties, as well as a wealth of structural data on enzymes. The successful use of enzymes in industry and biocatalysis requires a transdisciplinary expertise, and thus provides a dynamic environment, which will fuel new applications and future innovations. This dynamic interplay between different scientific areas will also be reflected in this Special Issue on the structure, function, and discovery of microbial enzymes, both in traditional fields and in novel industrial applications.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Systems Biology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology*)

Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
X@Micro_MDPI