Special Issue

Applied Microorganisms and Industrial/Food Enzymes, 2nd Edition

Message from the Guest Editor

Microorganisms are widely applied in producing valueadded compounds, improving food flavor, maintaining soil fertility, and protecting the environment. They have been successfully applied to produce antibiotics, biofuels, vitamins, and food flavors after genetic modification. With the boom of structural biology and Al technology, it is more feasible to understand the relationship between protein structure and function. Thus, protein engineering has become more reliable in endowing proteins such as industrial/food enzymes with new properties and functions. Therefore, it provides the possibility to design and reconstruct novel synthetic pathways in engineered microbiol cell factories. The goal of this Special Issue is to publish both recent innovative research results and review papers on applied microorganisms and industrial/food enzymes. Keywords: applied microorganisms; industrial/food enzymes; fermentation optimization; metabolic engineering; synthetic biology; protein engineering; transcriptional regulation; host cells; protein expression; high throughput screening

Guest Editor

Prof. Dr. Xian Zhang School of Biotechnology, Jiangnan University, Wuxi 214122, China

Deadline for manuscript submissions

closed (30 August 2025)



Fermentation

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 5.7



mdpi.com/si/215594

Fermentation Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 fermentation@mdpi.com

mdpi.com/journal/ fermentation





Fermentation

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 5.7



About the Journal

Message from the Editor-in-Chief

Welcome to a new open access journal, Fermentation, which meets the growing need for a high quality peerreviewed international journal with easy access to all researchers globally. We hope that you will share our enthusiasm for this new journal and look forward to working with you to make Fermentation a leader in its field. Your contributions are vital for the success of this new journal. Proposals for editing a special issue for a particular topical area are always welcome.

Editor-in-Chief

Prof. Dr. Christian Kennes

Department of Chemical Engineering, Faculty of Sciences, University of La Coruña, La Coruña, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, FSTA, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Biotechnology and Applied Microbiology) / CiteScore - Q1 (Plant Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 3.9 days (median values for papers published in this journal in the first half of 2025).

