

Special Issue

Advances in Microbial Cell Factories, 2nd Edition

Message from the Guest Editors

In the “cell factory” concept, microorganisms convert substrates into desirable products. Well-established fermentation products include beer, antibiotics and insulin. Recent developments enabled by native and engineered microbial cell factories include oleochemicals, biopolymers, biofuels, animal feed, biopesticides, nutraceuticals and flavors. Currently, the availability of standardized and newly developed cloning and expression vectors, the accessibility and affordability of de novo DNA synthesis, the advancement in bioinformatics tools and the expansion of biological databases have allowed cells to become more programmable. This Special Issue of *Microorganisms* provides a platform for authors to present novel tools and scientific concepts on Microbial Cell Factories through research articles, reviews and editorials. We invite you to send contributions relating to the development of microbial production platforms—of eukaryotic and prokaryotic origin.

Guest Editors

Prof. Dr. Thomas Brück

Werner Siemens Chair of Synthetic Biotechnology, School of Natural Sciences, Department of Chemistry, Technical University of Munich (TUM), D-85748 Garching bei München, Germany

Dr. Dania Awad

Werner Siemens Chair of Synthetic Biotechnology, Department of Chemistry, Technical University of Munich (TUM), D-85748 Garching bei München, Germany

Deadline for manuscript submissions

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

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About the Journal

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.

Editor-in-Chief

Dr. Nico Jehmlich

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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).