Special Issue

Substrate Tolerant Fermentations

Message from the Guest Editors

Biotechnological routes present promising alternatives for the production of various platform chemicals such as alcohols and organic acids, among others. The wide variety of substrates that can be used and products that can be formed have made microbial fermentation an intensively investigated field. We are seeking excellent and innovative papers in the field of bioreactor cultivation based on the successive and/or parallel utilization of different carbon sources and nutrients in mono-, co- and mixed cultures. Possible topics of interest for this Special Issue include, but are not limited to:

- Pre-treatment and hydrolysis of different bio-renewables
- Preparation of potential substrates for fermentation
- Bulk and fine chemicals
- Application of different process regimes (batch up to continuous mode)
- Separated and/or simultaneous saccharification and fermentation (SSF)
- Pure and mixed culture systems
- Scale-up and downstream processing for the abovementioned multi-feedstock processes
- Scale-down methodologies for such processes
- Improved monitoring and control, particularly dedicated to process safety at high feedstock flexibility

Guest Editors

Dr. Joachim Venus

Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB), Department of Microbiome Biotechnology, 14469 Potsdam, Germany

Dr. Stefan Junne

Bioprocess Engineering, Department of Biotechnology, Technische Universität Berlin (TU Berlin), Berlin, 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

mdpi.com/journal/microorganisms

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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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