



## Substrate Tolerant Fermentations

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:

**closed (31 May 2020)**

### Message from the Guest Editors

Dear Colleagues,

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





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Nico Jehmlich

Department of Molecular  
Toxicology, 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 - Q1 (Virology)

## 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