



## Microbial Biofilms: From Molecular Mechanisms and Structure to Antimicrobial Therapy

Guest Editors:

**Prof. Dr. Paolo Landini**

Department of Biosciences,  
University of Milan, 20133 Milan,  
Italy

**Dr. Jaione Valle**

CSIC-GN- Instituto de  
Agrobiotecnología (IDAB), 31192  
Pamplona, Spain

Deadline for manuscript  
submissions:

**closed (30 June 2022)**

### Message from the Guest Editors

Dear Colleagues,

The study of microbial biofilms represents a thriving field in every aspect of microbiology, as biofilms play a pivotal role in medical microbiology, environmental microbiology, and microbial biotechnology alike.

In this Special Issue, we invite scientists with an interest in microbial (both bacterial and fungal) biofilms to send contributions concerning any aspect related to this fascinating field, including but not limited to the following:

- The role of mixed biofilms in different ecological niches (including industrial settings and complex microbial communities associated with the human body)
- The development of novel antimicrobial agents with antibiofilm activity
- Investigations on microbial virulence linked to biofilm formation
- Basic regulatory mechanisms presiding over the various steps of the biofilm/planktonic cells cycle
- Investigations on the impact of microbial biofilms on human health





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 (Microbiology (medical))

## 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