

Special Issue

Microbial Biofilms: From Molecular Mechanisms and Structure to Antimicrobial Therapy

Message from the Guest Editors

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

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)



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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 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).