Special Issue

Foodborne Microorganisms and Biofilms

Message from the Guest Editors

Foodborne microbial biofilm is a serious concern in the food industry. In addition to compromising food safety and quality, microbial biofilms can cause damage to equipment. Both chemical and physical strategies are commonly used to control microbial biofilms in the food industry. But, to overcome the drawbacks of conventional ways, such as induced tolerance or spreading of surviving microorganisms, new strategies are being developed. This Special Issue aims to report recent findings and advances on the following topics, including but not limited to:

-Study of the factors contributing to biofilm formation by microorganisms of food interest.
-Quality and health aspects associated with biofilms in foods and food processing environments.
-Characterization of multi-species biofilms of foodborne microorganisms.
-Omics techniques for a better understanding of foodborne microbial biofilms.
-Emerging and promising strategies for detecting, preventing, and controlling foodborne microbial biofilms.

Guest Editors

Dr. Chiara Rossi

Department of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo, Via R. Balzarini 1, 64100 Teramo, Italy

Dr. Clemencia Chaves-López

Department of Biosciences and Agri-Food and Environmental Technologies, University of Teramo, 64100 Teramo, Italy

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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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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).

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