Special Issue

Antimicrobial Resistance in the Food Chain

Message from the Guest Editors

The spread of antimicrobial resistance (AMR) through the food chain is a serious health concern as it can contribute to the global burden of human and animal infections. Different niches within the food chain can act as potential hotspots for AMR development and the persistence of resistant pathogens. Although the high prevalence of AMR in the food chain has been mainly attributed to the overuse or misuse of antibiotics to treat animal infections,other antimicrobials such as disinfectants are of concern due to a decreased susceptibility shown by targeted microorganisms.

Conventional techniques for the detection and identification of resistant microorganisms have been considered the primary method for providing insights into the spread of AMR within the food chain.Nevertheless, more powerful tools allow for a higher resolution when targeting resistance determinants. In addition,they also provide an overview regarding microbiome composition,opening new avenues for assessing the risks linked to AMR occurrence and spread. Authors are invited to submit research articles,research reviews,and short communications covering aspects related to the spread of AMR through the food chain.

Guest Editors

Dr. Elena Alexandra Alexa
Teagasc Food Research Centre, Ashtown, Ireland

Dr. José F. Cobo-Díaz
Department of Food Hygiene and Technology and Institute of Food Science and Technology, Universidad de León, León, Spain

Dr. Avelino Álvarez-Ordoñez
Department of Food Hygiene and Technology and Institute of Food Science and Technology, University of León, León, Spain

Deadline for manuscript submissions

closed (30 November 2023)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/134953

Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

mdpi.com/journal/microorganisms

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/journal/microorganisms

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

Author Benefits

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))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

MDPI