Special Issue

Increase of Antimicrobial Resistance Following COVID-19 Pandemic: Current Knowledge and Future Perspectives

Message from the Guest Editors

The 2022 special report by the CDC on the impact of COVID-19 on antimicrobial resistance (AMR) shows that the pandemic increased antibiotic use and preventive measures. This resulted in a significant increase in the antibiotic resistance of several species. This Special Issue aims to shed light on the implications of this phenomenon to better predict the evolution of AMR. The Issue will reflect current knowledge of the epidemiology, pathogenesis and immunity of the major AMR pathogens, such as *Staphylococcus aureus*, *Clostridioides difficile*, *Klebsiella pneumoniae*, *Neisseria gonorrhoeae, Pseudomonas aeruginosa, Enterococcus* spp and *Candida* spp. Furthermore, methods for decreasing emergence of AMR such as the development of vaccines and mAbs, better diagnostics and novel antibiotics will also be discussed.

Guest Editors

Dr. Fabio Bagnoli
Vaccines Research, GSK, Siena, Italy

Prof. Dr. Barbara Bröker
Department of Immunology, University of Greifswald, Greifswald, Germany

Deadline for manuscript submissions

closed (15 November 2023)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/137359

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