Special Issue

Antibiotic Resistance of *Helicobacter pylori* (2nd Edition)

Message from the Guest Editor

Helicobacter pylori (Hp) is a major human pathogen whose rampant antimicrobial resistance seriously threatens available therapeutic options. Important directions exist to counteract this situation: the implementation of new regimens (e.g., vonoprazan-based regimens, new antibiotics such as oxazolidinone analogues), the wider use of bismuth-containing regimens and adjuvants involving N-acetylcysteine and probiotics, anti-biofilm approaches using anti-biofilm peptides and rhamnolipids, and the development of vaccines against Hp. The aim of this Special Issue is to give an overall picture of all aspects of antimicrobial resistance in Hp, with particular emphasis on innovative approaches to tackle resistance in clinical practice. For this purpose, we welcome the submission of research articles, review articles, and short communications related to the various aspects of antimicrobial resistance in Hp: molecular mechanisms, detection systems, epidemiology, Hp eradication regimens, and prevention and surveillance systems. Keywords: *Helicobacter pylori;* antimicrobial resistance; whole-genome sequencing; eradication therapy; new regimens; vaccines

Guest Editor

Prof. Dr. Yoshio Yamaoka

Department of Environmental and Preventive Medicine, Oita University Faculty of Medicine, Idaigaoka, Hasama-machi, Yufu, Oita 879-5593, Japan

Deadline for manuscript submissions

31 December 2024

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.4
Indexed in PubMed

mdpi.com/si/171628

Microorganisms
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 4.1
CiteScore 7.4
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 Systems Biology, 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 - Q2 (Microbiology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 13.4 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 2024).

MDPI