Special Issue

Advances in the Diagnosis and Treatment of *Helicobacter pylori*

Message from the Guest Editor

Helicobacter pylori is a causative agent of infections which affects almost half of the world adult population, leading to complications, such as chronic gastritis, peptic ulcer disease, non-ulcer dyspepsia, and adenocarcinoma. Eradication remains a major challenge, mainly due to the antibiotic resistance. There is also a need to develop rapid and widely accessible diagnostic methodologies to detect strains of *H. pylori* that are resistant to specific antibiotics. The progression of infection by *H. pylori*, development of its antibiotic resistance, and effective treatment options are influenced by a number of factors, including host physiology. Understanding these aspects is, therefore, crucial for the eradication of this bacterium. Keywords: Helicobacter pylori; antibiotic resistance; eradication; diagnosis; bacterial infection

Guest Editor

Prof. Dr. Sangita Phadtare

Department of Biomedical Sciences, Cooper Medical School of Rowan University, Camden, NJ 08103, USA

Deadline for manuscript submissions

closed (30 June 2023)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/105463

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