

Special Issue

Recent Advances in *Campylobacter jejuni* and *Helicobacter pylori*

Message from the Guest Editor

Dear colleagues, The class epsilonproteobacteria contains two major human pathogens, *Campylobacter jejuni* and *Helicobacter pylori*. *C. jejuni* is one of the most common bacterial causes of gastroenteritis throughout the world and is responsible for more than 100 million cases of disease and more than 30,000 deaths annually. In addition, serious post-infection sequelae such as Guillain–Barré syndrome and reactive arthritis occur. *H. pylori* colonizes the stomachs of half of the world's population. While the majority of *H. pylori*-colonized persons are asymptomatic, ~10% develop either peptic ulcer disease or gastric cancer due to *H. pylori*-induced chronic inflammation. Peptic ulcer disease affects 340 million people and is responsible for considerable morbidity and mortality. Gastric cancer is the sixth most prevalent cancer worldwide and the second leading cause of cancer deaths (780,000 deaths annually). In this Special Issue, we will focus on *C. jejuni* or *H. pylori*, in particular topics such as pathogenesis, virulence factors, physiology, gene regulation, host cell signaling, and immune responses.

Guest Editor

Prof. Stuart A. Thompson

Division of Infectious Diseases, Department of Medicine, Medical College of Georgia, Augusta University, Augusta, GA, USA

Deadline for manuscript submissions

closed (30 April 2022)



Microorganisms

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/67793

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

[mdpi.com/journal/
microorganisms](https://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](https://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).