



## ***Helicobacter pylori* Cell Biology and Pathogenesis**

Guest Editor:

**Dr. Gracjana Krzysiek-Maczka**

Department of Physiology,  
Faculty of Medicine, Jagiellonian  
University Medical College, 16  
Grzegorzeczka Street, 31-531  
Cracow, Poland

Deadline for manuscript  
submissions:

**closed (30 July 2023)**

### **Message from the Guest Editor**

Dear Colleagues,

*H. pylori* has been associated with the development of certain malignancies and classified as a type I carcinogen. Additionally, it has been shown that *H. pylori* eradication also significantly lowered the risk of gastric cancer in initially healthy, asymptomatic patients. On the other hand, some studies have suggested that, depending on the strain type, *H. pylori* may play a role in the natural stomach ecology. Thus, there is a need for more comprehensive studies on the role of *H. pylori* and host cell interactions, particularly in light of the rising resistance of this bacterium to commonly used antibiotics.

Topics of interest for this Special Issue include, but are not limited to:

- Models of host–microbial persistence;
- H. pylori* cell biology;
- H. pylori* strain types and host interactions;
- H. pylori*-induced physiological processes regulation and dysregulation;
- H. pylori* pathology;
- Host susceptibility;
- H. pylori* epidemiology;
- H. pylori* and antibiotic resistance;
- H. pylori* and cancer prognostic factors;
- Therapeutic approaches like targeted treatment of *H. pylori*-related pathophysiological tissue-related changes.

Dr. Gracjana Krzysiek-Maczka

Guest Editor





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI