

## Special Issue

# New Advances on Helicobacter pylori Research

### Message from the Guest Editors

The development of anti-*H. pylori* treatment strategies remain a challenge due its high antibiotic resistance; the WHO listed this bacterium among the pathogens for which increasing antibiotic resistance represents a serious threat for human health. In addition, *H. pylori* is able to evade and manipulate the host immune system and establish chronic infection, producing biofilms and entering into a dormant state, inducing a tolerant state against antimicrobial drugs. Innovative therapies are thus needed, such as natural substances associated with drugs commonly used in therapy which demonstrate a capability to act as antibiotic resistance breakers, probiotics, human-derived- peptides and photodynamic therapy, which are well- described in the literature. Topics of interest include, but are not limited to, the following:

- Antibiotic resistance breakers in *H. pylori* treatment;
- New strategies against *H. pylori* biofilms and dormancy state;
- New synergic natural compounds/antibiotic association in *H. pylori* treatment

### Guest Editors

Dr. Mara Di Giulio

Dr. Silvia Di Lodovico

Dr. Alberto Antonelli

### Deadline for manuscript submissions

closed (31 March 2023)



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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### 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

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