

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

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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.

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