

Special Issue

Pathogenic *Escherichia coli*: Pathogenesis, Virulence and Control Strategies: 2nd Edition

Message from the Guest Editors

Pathogenic *Escherichia coli* (*E. coli*) is the leading cause of intestinal and extraintestinal diseases in humans and livestock. To invade host cells, bacteria have gradually developed a variety of mechanisms to survive or take advantage of benefits within intracellular niches during the infection process. Thus, even though bacteria share similar virulence features, they might have a distinctive pathogenic mechanism. Additionally, the molecular biology of the interplay between host and pathogenic *E. coli* is relatively poorly understood. This Special Issue aims to present the latest findings in this field and will cover all topics concerning the pathogenesis, virulence, and control strategies of pathogenic *E. coli*, including but not limited to: the immunomodulatory effect of metal ions and nutritional immunity, the regulatory effect of small non-coding RNA in pathogenic *E. coli* infections, new materials for preventing pathogenic *E. coli* infections, new methods for the detection and identification of pathogenic *E. coli*, and receptors for the host-pathogen interaction.

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