



Urinary Tract Infections and Antibiotic Resistance

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Message from the Guest Editors

Dear Colleagues,

Urinary tract infections (UTIs) are among the most common bacterial infections in humans, accounting for high morbidity, prolonged hospitalization, and high medical costs. Uropathogenic *Escherichia coli* (UPEC) is responsible of the majority of community- and hospital-acquired UTIs. Genes encoding virulence factors and antibiotic resistance have been described in pathogenic *E. coli* isolates from animals. The characterization of these strains could be of great interest to develop policies to prevent and control the emergence and spread of antimicrobial-resistant microorganisms. Shedding light on dynamic events occurring during UTIs could represent a great tool to identify new potential approaches to fight the infection. The development of new innovative strategies designed to fight these dangerous pathogens is highly needed.

Keywords: host–pathogen interactions; bacterial persistence; urobiome; antibiotic resistance; *E. coli* strains from animal sources

- new treatment strategies





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