





an Open Access Journal by MDPI

Urinary Tract Infections and Antibiotic Resistance

Guest Editors:

Dr. Catia Longhi

Department of Public Health and Infectious Diseases, Microbiology Section, "Sapienza" University of Rome, Rome, Italy

Dr. Maria Grazia Ammendolia

National Center for Innovative Technologies in Public Health, Italian National Institute of Health, Rome, Italy

Dr. Carlo Zagaglia

Departament of Public Health and Infectious Disease, University Sapienza, Roma, Italy

Deadline for manuscript submissions:

closed (31 January 2024)

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-Genes encoding virulence factors and acquired UTIs. 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













an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Systems Biology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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.

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,

PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Microbiology) / CiteScore - Q2 (Microbiology (medical))

Contact Us