

Special Issue

Diagnostic Concepts of Urinary Tract Infection and Antimicrobial Treatment

Message from the Guest Editor

Urinary tract infections are among the most frequent bacterial infections and comprise benign infections. Novel diagnostic concepts include symptomatic assessments in benign and severe infections, point of care microbiology investigations, up to rapid susceptibility testing. In the future, molecular-based assessments might be able to better profile and classify urinary tract infections. Rapid, point of care diagnostic concepts will lead to improved diagnostic accuracy and increased adequate treatment approaches. This will help decrease morbidity, duration of the infection and help to include antimicrobial stewardship aspects in the therapeutic regimens. Antimicrobial treatment is currently the primary treatment regimen in urinary tract infections, strategies to decrease the emergence of antimicrobial resistance and negative impact on the microbiome are necessary. This Special Issue welcomes research on new diagnostic and evaluation concepts in all kinds of urinary tract infections, including point-of-care test systems, their impact on therapy, and therapeutic concepts minimizing the risk of emergence of antibiotic resistance and microbiome damage.

Guest Editor

Prof. Dr. Florian Wagenlehner

Department of Urology, Pediatric Urology and Andrology, Justus-Liebig-University, Giessen, Germany

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Antibiotics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antibiotics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciplines are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

Editor-in-Chief

Prof. Dr. Nicholas Dixon
School of Chemistry and Molecular Bioscience, University of
Wollongong, Wollongong, NSW 2522, Australia

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