



Antibiotic Resistance: From the Bench to Patients

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Deadline for manuscript
submissions:

closed (31 May 2020)

Message from the Guest Editors

Dear Colleagues,

The emergence of multidrug-resistant bacteria is a serious public health issue which requires global action of an intersectoral nature. As pharmaceutical companies are struggling to keep up with the increase in the resistance trends of various pathogens, the conscious use of the existing antimicrobials is of utmost importance. General practitioners and community pharmacists usually represent the first-line of interaction with healthcare for most of the patients; therefore, they need to act as “gate keepers” while prescribing/dispensing antibiotics. The appropriateness of the healthcare professionals’ knowledge–attitude–practice is critical for proper patient education and for attaining change in their attitudes.

The purpose of this issue is to present novel results on the epidemiology of various MDR pathogens worldwide, to describe novel diagnostic and point-of-care tests to aid proper antibiotic therapy, interventional studies to improve antimicrobial drug utilization, and various studies reporting on the knowledge, attitude, and practice of healthcare professionals and patients regarding antibiotic resistance.





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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.

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Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / 2020 CiteScore - Q2 (*General Pharmacology, Toxicology and Pharmaceutics*)

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