



Pharmacokinetics and Pharmacodynamics Evaluation in the Appropriate Use of Antibacterial Drugs

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Message from the Guest Editors

Dear Colleagues,

The *Antibiotics* journal invites academicians, researchers, and clinicians to send abstracts for the Special Issue related to Pharmacokinetics and Pharmacodynamics Evaluations in the Appropriate Use of Antibacterial Drugs.

Over the decades, inappropriate use of antibiotics has caused poor patient outcomes, including antibiotic toxicities and antibiotic resistance. Pharmacokinetics and pharmacodynamics changes in different patient populations (e.g., patients with sepsis) must be accounted for appropriate drug dosing. For example, kidney diseases influence pharmacokinetic parameters such as drug absorption, distribution, transport, and renal and non-renal clearances. Thus, it is critical to inform clinicians how to optimize the selection (antibiotic stewardship) and drug dosing with antibiotics to prevent unnecessary adverse events and poor patient outcomes.





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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 disciples 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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