

Special Issue

Antibiotic Use and Stewardship in Hospital

Message from the Guest Editors

The increase in antimicrobial resistance, mainly due to antimicrobial use, makes the treatment of infections increasingly complex. In this setting, antimicrobial stewardship programs are essential to optimize antimicrobial use within hospitals. These programs focus on improving the efficacy of antimicrobial treatments, reducing the number of side effects (including the selection of multidrug-resistant microorganisms), and optimizing their cost. More specifically, related topics include:

- Impact of COVID-19 pandemic on antimicrobial use;
- Implementation of antimicrobial stewardship related activities;
- Initiatives to optimize antimicrobial use in the hospital;
- Antibiotic allergy management;
- New antibiotics placement within hospital formulary;
- Assessment of stewardship metrics: process, outcome, and antibiotic use measures;
- Pharmacology of antimicrobials;
- Antimicrobial related side effects;
- Antimicrobial dosing optimization, including paediatrics, critically ill, elderly, pregnant women, obese, cachectic, and immunosuppressed;
- Antimicrobial related drug-drug interactions.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2023)



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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
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