Special Issue

Impact of Antimicrobial Stewardship on Healthcare-Associated Infections

Message from the Guest Editor

Healthcare-associated infections (HCAIs) caused by multi-drug-resistant bacteria are the most threatening and visible consequence of antimicrobial resistance. The enhancement of antimicrobial stewardship (AMS) has been recently recognized as the most effective strategy for controlling antimicrobial resistance. AMS was first introduced in hospitals, followed by other healthcare settings. AMS in hospitals has been studied extensively, and its use has been recommended by many national and supranational authorities. The most commonly used interventions still lack scientific confirmation of their efficacy and safety. At the same time, AMS implementation depends very much upon the healthcare setting, creating different barriers to its full development. AMS interventions seem most difficult to implement in high-level-resistance settings, which is where they are the most needed. This Special Issue will focus on new science and sharing successful practices for the use of AMS in the control of HCAI caused by multi-drug-resistant bacteria.

Guest Editor

Prof. Dr. Bojana Beović

Department of Infectious Diseases, University Medical Centre Ljubljana, Zaloška cesta 2, 1000 Ljubljana, Slovenia

Deadline for manuscript submissions

closed (31 May 2025)

Antibiotics

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/226423

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

mdpi.com/journal/antibiotics

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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.

Editor-in-Chief

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

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