



Therapeutic Drug Monitoring of Antimicrobials in Critically Ill Patients

Guest Editor:

Prof. Dr. Young Ran Lee

Department of Clinical Sciences,
The Ben and Maytee Fisch
College of Pharmacy, The
University of Texas at Tyler, Tyler,
TX, USA

Deadline for manuscript
submissions:

30 November 2025

Message from the Guest Editor

Despite numerous therapeutic innovations, infection-related mortality in critically ill patients persists as a significant healthcare concern. Early initiation of antimicrobials is essential to improve the clinical outcomes of infections in critically ill patients. Additionally, correct dosage of antimicrobials is extremely important to ensure their adequate exposure. Therapeutic drug monitoring (TDM) is the most commonly recommended strategy to evaluate exposure and adapt dosing in critically ill patients.

This Special Issue welcomes all types of submissions (original research papers, short communications, reviews, case reports and perspectives) related to antimicrobial TDM in critically ill patients.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Nicholas Dixon

School of Chemistry and
Molecular Bioscience, University
of Wollongong, Wollongong, NSW
2522, Australia

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPUS / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Infectious Diseases) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)

Contact Us

Antibiotics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/antibiotics
antibiotics@mdpi.com
[X@antibioticsmdpi](https://twitter.com/antibioticsmdpi)