



pharmaceutics



an Open Access Journal by MDPI

Focus on Antibiotics – New Challenges and Steps Forward in Discovery and Development, 2nd Edition

Guest Editors:

Prof. Dr. Aura Rusu

Pharmaceutical and
Therapeutical Chemistry
Department, Faculty of
Pharmacy, George Emil Palade
University of Medicine,
Pharmacy, Science and
Technology of Târgu Mureș, 38
Gheorghe Marinescu Street,
540142 Târgu Mureș, Romania

Prof. Dr. Valentina Uivarosi

General and Inorganic Chemistry
Department, Faculty of
Pharmacy, Carol Davila
University of Medicine and
Pharmacy, 6 Traian Vuia Street,
Sector 2, 020956 Bucharest,
Romania

Deadline for manuscript
submissions:

30 July 2024

Message from the Guest Editors

The design of new antibiotics is still considered the primary weapon in the fight against the growing bacterial resistance to known antibiotics. Continuous discoveries about the structure–activity relationship in the different antibiotic classes and advances in computer-aided drug design (CADD) methods will contribute to the coming new generations of antibiotics. A new trend targets old antibiotics and other compounds from various therapeutic classes for optimization and repositioning. Additionally, hybrid drugs incorporating two active compounds into a single molecule could expand antibacterial activity and prevent bacterial resistance. Different metal complexes in antibiotics and other organic substances have already shown their potential for antibacterial activity. New compounds with antibacterial activity are in various research stages: proteic compounds, siderophores, quinoxolidinones, natural antibiotics, antibiotic resistance breakers, and others. The second volume of this Special Issue volume II aims to highlight the recent steps toward discovering new antibiotics.



mdpi.com/si/139281

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

Message from the Editor-in-Chief

Pharmaceutics (ISSN 1999-4923) is an online open access journal on the science and technology of pharmaceutics and biopharmaceutics. The scientific community, the wider community and the general public have unlimited and free access to the content as soon as a paper is published; this open access to your research ensures your findings are shared with the widest possible audience. Please consider publishing your impressive work in this high quality journal. We would be pleased to welcome you as one of our authors.

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, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q1 (*Pharmaceutical Science*)

Contact Us

Pharmaceutics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/pharmaceutics
pharmaceutics@mdpi.com
X@MDPIpharma