



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

Department of General and Inorganic Chemistry, Faculty of Pharmacy, “Carol Davila” University of Medicine and Pharmacy, 6 Traian Vuia, 020956 Bucharest, Romania

Deadline for manuscript submissions:

closed (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.





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Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Ernest Mario School of
Pharmacy, Rutgers, The State
University of New Jersey, William
Levine Hall, Room 225C, 160
Frelinghuysen Road, Piscataway,
NJ 08854-8020, USA

Message from the Editor-in-Chief

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Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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