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## 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

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### 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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### 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

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*Pharmaceutics* Editorial Office  
MDPI, St. Alban-Anlage 66  
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Tel: +41 61 683 77 34  
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