



## Novel Antimicrobial Agents: Design, Synthesis and Activity

Guest Editors:

**Dr. Peng Teng**

College of Pharmaceutical  
Sciences, Zhejiang University,  
Hangzhou 310058, China

**Dr. Chao Lu**

College of Pharmacy, Jinan  
University, Guangzhou, China

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### Message from the Guest Editors

Dear Colleagues,

The discovery of antibiotics has improved human health significantly; however, the global increase of antibiotic resistance has compromised the usefulness of antibiotics recently. No new class of antibiotics for the treatment of Gram-negative bacteria has been approved in the last four decades. Hence, there is an urgent need for the development of new types of antibiotics against multidrug-resistant bacteria.

The Special Issue “Novel Antimicrobial Agents: Design, Synthesis, and Activity” aims to present the recent achievements in the rational design and synthesis of new antimicrobial agents in terms of new chemical scaffolds, to expand the limited structural diversity. Typically, new cyclic lipopeptides, antimicrobial peptide mimics, and new class of small-molecules stand for the highest potential toolbox to reinvigorate the discovery of new antibiotics. In addition, the antimicrobial activities and resistance profiles of newly obtained compounds against both Gram-positive and Gram-negative bacterial pathogens will be covered concomitantly. Both research articles and review papers will be included in this particular topic.

Dr. Peng Teng

Dr. Chao Lu





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### Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## Message from the Editor-in-Chief

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*Molecules* Editorial Office  
MDPI, St. Alban-Anlage 66  
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