

## Special Issue

# Infectious Disease Testing and Pathogenic Bacterial Virulence Identification

### Message from the Guest Editor

In recent years, there has been a growing awareness among patients and clinicians of the importance of rapid and accurate diagnosis of the source of infection to prevent the spread of high-risk pathogenic microorganisms and counteract the development of antibiotic resistance. A major contribution to this was made by the preventive tasks undertaken to limit the spread of the COVID-19 pandemic, which showed that the current state of knowledge makes it possible to create a reliable diagnostic test against the new pathogen in a relatively short period of time. In addition to genomic and proteomic approaches, which are most widely used in the context of in-depth identification of microorganisms, there are increasing reports on the use of lipidomic analysis to push the boundaries of the previously mentioned methods. To help to understand the latest developments in pathogen testing and their virulence assessment, this Special Issue presents works related to new methods of microbial identification, drug resistance detection, and virulence factor determination using genomic, proteomic, as well as lipidomic approaches.

### Guest Editor

Dr. Michał Złoch

1. Centre For Modern Interdisciplinary Technologies, Nicolaus Copernicus University in Toruń, Toruń, Poland
2. Department of Environmental Chemistry and Bioanalytics, Faculty of Chemistry, Nicolaus Copernicus University in Toruń, Toruń, Poland

### Deadline for manuscript submissions

closed (30 June 2024)



## Antibiotics

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*Antibiotics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[antibiotics@mdpi.com](mailto:antibiotics@mdpi.com)

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. Nicholas Dixon  
School of Chemistry and Molecular Bioscience, University of  
Wollongong, Wollongong, NSW 2522, Australia

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