

Special Issue

Advances in the Discovery of Novel Antimicrobial Agents in Nature and Their Applications

Message from the Guest Editors

The inappropriate use of antibiotics and the inadequate control of human infections have led to emergence of resistant strains that are a major threat to public health and global economy. Therefore, seeking for a solution to this problem and replacements for antibiotics in nature has become imperative. Following this worldwide trend, this Special Issue is dedicated to the discovery of novel natural antimicrobial agents and the investigation of their mechanisms of action (targeting new proteins, inhibitors of virulence factors, nanoparticles, antisense oligonucleotides, etc.). This Special Issue also welcomes the submission of manuscripts dealing with common applications of natural antimicrobial agents, such as in the food and pharmaceutical industries and in smart packaging. We also welcome investigations on new and alternative applications, for instance the use of essential oils in the protection of cultural heritage.

Guest Editors

Dr. Ana Tomić

Faculty of Technology, University of Novi Sad, 21000 Novi Sad, Serbia

Dr. Olja Šovljanski

Department of Biotechnology, University of Novi Sad, Novi Sad, Serbia

Deadline for manuscript submissions

closed (30 September 2023)



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/135187

Antibiotics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antibiotics@mdpi.com

[mdpi.com/journal/
antibiotics](https://mdpi.com/journal/antibiotics)





Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.7
Indexed in PubMed



[mdpi.com/journal/
antibiotics](https://mdpi.com/journal/antibiotics)



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.

Editor-in-Chief

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

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 (Infectious Diseases) / CiteScore - Q1 (General Pharmacology, Toxicology and Pharmaceutics)