

Special Issue

Potential of Antimicrobial Peptides for an Exciting Future

Message from the Guest Editors

Antimicrobial peptides (AMPs) are natural molecules belonging to diverse peptide and protein families essential for the innate immune system and as a barrier defense for all live organisms. They are a promising class of antimicrobial compounds capable of acting against bacteria, fungi, and viruses. They can act synergistically with other drugs, reducing the immunomodulatory side activities and deactivating toxic compounds such as LPS. This Special Issue collects research articles and review papers dealing with the possible uses of antimicrobial peptides in medical, food, and agricultural applications. In particular, the following topics are of interest:

- Isolation, characterization, and dosage of antimicrobial peptides in plants;
- The dietary effect of AMPs;
- AMPs in food technology;
- Antibacterial peptides for food preservation and their application in food packaging;
- Medical and veterinary application of AMPs;
- Toxicological aspects related to the employ of AMPs.

Guest Editors

Dr. Margherita-Gabriella De Biasi

Department of Pharmacy, University of Naples Federico II, Via Montesano 49, 80131 Napoli, Italy

Prof. Dr. Irene Dini

Department of Pharmacy, University of Naples Federico II, Via Montesano 49, 80131 Napoli, Italy

Deadline for manuscript submissions

closed (31 January 2024)



Antibiotics

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 10.2
Indexed in PubMed



mdpi.com/si/130211

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 10.2
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)