

Special Issue

Advances in the Discovery of Novel Antimicrobial Agents in Nature and Their Applications, 2nd edition

Message from the Guest Editors

The first edition of the Special Issue “Advances in the Discovery of Novel Antimicrobial Agents in Nature and Their Applications” was published in 2023.

www.mdpi.com/journal/antibiotics/special_issues/NO1R6W3900

It is a successful collection with nine excellent papers and has encouraged us to open a second edition covering the same topic. As a continuation of the first

Special Issue, this second edition seeks articles regarding 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

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Deadline for manuscript submissions

closed (30 June 2025)



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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.

Editor-in-Chief

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