

Special Issue

Antibiotics and Environment – Research and Development toward the One Health Approach

Message from the Guest Editor

In this Special Issue, on the topics of antimicrobials and the environment or antimicrobial-resistant bacteria and antimicrobials in the environment, intends to focus on broad environmental spaces, including rivers, lakes, marine areas, water treatment plants, wastewater treatment plants, and animal and livestock facilities. We invite research papers on the current situations of occurrence and dynamics, and purification methods that could be effective for reducing or mitigating human and animal health risks. This Special Issue also calls for review articles that propose the development of analytical methods based on novel approaches, summarize past research cases, and propose future measures to combat antimicrobial-resistant bacteria through the one health approach.

Guest Editor

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closed (31 July 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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