



Antibiotics in Health and Diseases

Guest Editor:

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Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editor

Dear Colleagues,

For many decades, the importance of increasing knowledge on the rational use of antibiotics has not been given the priority it deserves. In recent years, robust evidence has shown that exposure to antibiotics does offer benefits for patients but can also entail adverse effects, and increases the probability of selection for resistant commensal bacteria at the individual and societal levels. A key challenge in antibiotic stewardship is figuring out how to use antibiotics therapeutically without promoting the evolution of antibiotic resistance. The lack of new antibiotics has become worrisome; however, other non-antibiotic therapies alone or combined with antibiotics have emerged as alternatives against multidrug-resistant bacteria.

This Special Issue welcomes original research papers, short communications, reviews, case reports, perspectives, and proofs of concept in the use of antibiotics in health and diseases, including in medical, dental, and veterinary sciences.





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Editor-in-Chief

Prof. Dr. Nicholas Dixon

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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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