



Antibiotics in Public Health: Reasonable Application and Stewardship

Guest Editor:

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Message from the Guest Editor

It is well established that excessive and inappropriate use of antimicrobials promotes antimicrobial resistance. Antimicrobial resistance contributes to 700,000 deaths worldwide each year. Moreover, the OECD estimates that the lack of action to face antimicrobial resistance may generate an expense of EUR 1.1 billion annually by 2050 in the EU alone. Antimicrobial resistance may be perceived as a feature of urban social change. In an ever-changing world, expected to face climate change, food insecurity and emerging pandemics, society needs readily available antimicrobial stewardship programs in order to be able to respond to health threats. Inappropriate response, as seen at the beginning of the COVID-19 pandemic, may drive antimicrobial resistance further. Greater public awareness, education and self-responsibility may assist healthcare workers in the appropriate use of antimicrobials. This Special Issue focuses on the prudent use of antimicrobials in public health. We are interested in both qualitative research and quantitative research that provide tools for professionals and individuals to responsibly use antimicrobials.





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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 disciples 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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