Special Issue

Antimicrobial Use and Resistance in Humans and Food–Animal Production Systems

Message from the Guest Editor

Based on WHO estimates, each year worldwide, unsafe food causes 600 million cases of foodborne diseases and 420,000 deaths. It is also estimated that annually, 33 million healthy lives are lost due to eating unsafe food globally. The access of patients to the healthcare system and the testing, laboratory capacity of healthcare services and completeness of the surveillance systems substantially affect the estimated burden of foodborne diseases in a country. Differences in such factors can explain, up to a point, the different epidemiological data for the same diseases in neighboring countries with similar eating habits and hygiene standards. Evidence on such parameters, as well as on the different approaches used to estimate the under-ascertainment and under-reporting rate of foodborne diseases is scarce in the literature and mainly regards the most frequently reported foodborne diseases. The aim of this Special Issue is to collect data on parameters that can be used for the estimation of the actual burden of foodborne diseases due to different pathogens in different geographical regions of the world and to present methodological approaches for acquiring such estimations.

Guest Editor

Dr. Kassiani Mellou
National Public Health Organisation (EODY), 15123 Athens, Greece

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Antibiotics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
antibiotics@mdpi.com

mdpi.com/journal/antibiotics

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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.

Editor-in-Chief

Prof. Dr. Nicholas Dixon
School of Chemistry and Molecular Bioscience, University of Wollongong, Wollongong, NSW 2522, Australia

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