



## Usage of Antibiotic in Agriculture and Animal Farming, 2nd Edition

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### Message from the Guest Editor

Dear Colleagues,

This is the 2nd edition of the Special Issue “Usage of Antibiotic in Agriculture and Animal Farming”. The use of antibiotics is a common practice in modern agriculture and farming, and the quantities used can easily compete with those used in human medicine. This practice has been increasingly criticized in recent years. It is also to be expected that the discussion on this topic will become even broader the more it is publicized. In addition to concerns about animal welfare and the quality of the obtained food, the impact on antibiotic resistance is hardly being discussed. The use of antibiotics, regardless of the area of application, leads to the emergence and spread of antibiotic-resistant bacteria. The question of the contribution of antibiotic-resistant bacteria from farming to the general problem of antibiotic resistance is still under discussion.

In any case, actions are being taken (and will be taken) to further optimize and regulate the use of antibiotics in agriculture in order to reduce the effects on human health while maintaining or even improving the benefits of using antibiotics in agriculture.





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## Editor-in-Chief

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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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