

Special Issue

Alternatives to Clinical Antimicrobials for Animal Production

Message from the Guest Editors

Conventional antimicrobials are widely used in animal farming, causing potential undesirable effects. Indeed, the extensive use of antimicrobials contributed to the development of bacterial resistance. Several by-products, such as plant-derived polyphenols, showed antimicrobial activity and represent a valid alternative to conventional antimicrobials. Furthermore, they can have positive effects due to the ability to modulate the activity of the microflora in animals' gut and rumen, thus improving the quality of such by-products. The reuse of such by-products in animal feeding can also lead to additional advantages, since it provides additional value to bio-waste that can become a useful feed resource with the final aim to reach a circular economy.

Guest Editors

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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.

Editor-in-Chief

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