

Special Issue

Antimicrobial Compounds as Potential Veterinary Drugs and Their Effectiveness Assessment

Message from the Guest Editors

The management of bacterial diseases originating from animals primarily relies on comprehensive etiological investigations and the judicious application of effective antimicrobial agents. The widespread epidemic of drug-resistant bacteria originating from animals poses a significant threat to animal health and impedes the advancement of antimicrobial pharmaceuticals. Currently, the livestock and poultry industry is currently at a pivotal juncture regarding policy responses aimed at reducing and replacing antibiotics. In recent years, some substances with antimicrobial properties have been selected and reported, but their complex mechanisms of action and multi-target pathways are still relatively unclear, and their antimicrobial effects have lacked systematic assessment. Therefore, the purpose of this Special Issue is to share different options for managing animal infectious diseases effectively while highlighting potential antimicrobial compounds that could serve as alternatives or adjuncts in combating resistant bacteria.

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Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

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