Special Issue

Antimicrobial Resistance and Virulence Mechanisms in Food Animal Pathogens: Implications for Veterinary Health and Food Safety

Message from the Guest Editors

The rising concern around antimicrobial resistance (AMR) in food animal pathogens poses a significant challenge to both veterinary health and food safety. Pathogens such as *Staphylococcus aureus*, coagulase-negative staphylococci (CNS), *Escherichia coli*, and *Salmonella* are of particular concern due to their ability to acquire and disseminate resistance traits. These bacteria are commonly associated with diseases in livestock, and their presence in the food supply chain raises serious public health concerns. In addition to AMR, virulence factors in these pathogens play a crucial role in disease severity and transmission. The interplay between antimicrobial resistance, virulence factors, and mobile genetic elements, such as transposons, in the dissemination of these traits highlights the complexity of managing these infections in food animal populations. In this context, we are pleased to announce this Special Issue entitled "Antimicrobial Resistance and Virulence Mechanisms in Food Animal Pathogens: Implications for Veterinary Health and Food Safety". We welcome submissions of both original research and review articles.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

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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