

Special Issue

Clinical and Molecular Epidemiology of Drug-Resistant Bacteria of Companion Animals

Message from the Guest Editors

Antimicrobial resistance has become one of the most important emerging problems worldwide, affecting public and animal health, as well as the environment. Misuse of antibiotics and inadequate waste management have favored and accelerated antibiotic resistance, contributing to the emergence of multidrug-resistant (MDR) strains and increased mortality. Moreover, the close bond between humans and animals provides opportunities for the exchange of microorganisms, including MDR pathogens. In order to address the current threat, a wide and integrated approach is needed, as the antimicrobials used to treat multiple infections in animals are the same or similar to those used in human medicine. This particular aspect of the "One Health" concept requires more representative clinical and molecular surveillance efforts and infection control, in order to direct the implementation of appropriate preventive resources.

Therefore, this Special Issue aims to present recent research and reviews on epidemiology and surveillance of resistance in companion animals (including horses).

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Animals is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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