

Special Issue

Molecular Detection of Antimicrobial Resistance in Animal Infectious Diseases

Message from the Guest Editors

In recent years, antimicrobial resistance has become a serious concern for animal and human health. Indeed, a high demand for fast and reliable methods for the rapid detection of antimicrobial-resistant bacteria and determinants, even when testing a large number of samples, is required due to the increasing threat posed by antimicrobial resistance. In particular, high-throughput technologies are able to generate an amount of data and information that can be very helpful in understanding the molecular basis of this complex issue. We welcome original research papers and reviews dealing with: 1) Occurrence and circulation of resistant bacteria in food-producing animals as detected by high-throughput technologies; 2) Molecular detection and epidemiology of resistant food-borne pathogens in domestic animal populations and their environment; 3) Use of high-throughput technologies for improving the knowledge and covering the gap in the molecular basis of resistance determinants in domestic animals; 4) Development of new technologies and protocols for detecting antimicrobial resistance determinants in animal bacteria. Alessandra Piccirillo
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Guest Editors

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Deadline for manuscript submissions

closed (15 December 2022)



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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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