



Antibiotic Use in Animals

Guest Editor:

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Message from the Guest Editor

Antibiotic resistance has become a serious global problem and is steadily increasing worldwide in almost every bacterial species treated with antibiotics. Continued access to antibiotics is critical to veterinary medicine; however, the use of these drugs in animals must be managed well.

Often, there are few registered drugs for minor or exotic species, which cause the use of different drugs under exceptional prescription by adapting or extrapolating the recommended dosage from major species. This extrapolation can cause potential overdosing or underdosing, risks of bacterial resistance development, and the presence of residues of these pharmacologically active substances in meat or other animal-derived products intended for human consumption.

The aim of this Special Issue is to publish original research papers or reviews concerning the use of antibiotics in animals to ensure clinical success and prevent the emergence of bacterial resistance and food residues. We invite you to share your recent findings in the areas of interest including pharmacokinetics, pharmacodynamics, susceptibility, PK/PD integration, efficacy studies, and withdrawal periods.





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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 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

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