

Special Issue

Pharmacokinetics and Pharmacodynamics in Veterinary Medicine

Message from the Guest Editor

The selection of the most appropriate drug or combination of drugs as well as the identification of the treatment regimen that maximizes drug efficacy and minimizes drug toxicity are the main objective of pharmacotherapy. In veterinary medicine, pharmacokinetic data are often unavailable for new drugs or for drugs in a particular species, such as minor or exotic species. For these animals, there are few registered drugs that could be used under exceptional prescription by adapting or extrapolating the recommended dosage from major species. This extrapolation can cause potential overdosing or underdosing 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 present original research papers or reviews about the pharmacokinetics (PK), pharmacodynamics (PD), and PK/PD integration of drugs to ensure clinical success, minimize drug toxicity, and prevent the presence of drug residues in food.

Guest Editor

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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 (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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