

## Special Issue

# Pharmacodynamics and Pharmacokinetics of Veterinary Drug Residues

### Message from the Guest Editors

Veterinary drugs are chemicals used to control diseases in animals. The major classes of veterinary drugs include antibiotics, anthelmintics, coccidiostats, nonsteroidal anti-inflammatory drugs, sedatives, corticosteroids, beta-agonists, and anabolic hormones. The safety of residues is evaluated by setting a no observed adverse effect level and using uncertainty factors to determine an acceptable daily intake on which subsequently maximum residue limits are established.

Pharmacokinetics is the study of how an organism affects the drug as a drug's journey through the body, whereas pharmacodynamics is the study of how the drug affects the organism. Therefore, more information and data are becoming available, which include dosing regimens, route of administration, treatment duration, and the therapeutic effectiveness of the patients. However, to confirm therapeutic effectiveness, antibiotic therapy and select appropriate agents should be considered. The aim of this Special Issue is to publish original research articles or reviews about the pharmacokinetics, pharmacodynamics, and drug residues of veterinary drugs in animals. We look forward to your contributions.

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### Guest Editors

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### Deadline for manuscript submissions

31 December 2025



## Animals

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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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### Editor-in-Chief

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