

Special Issue

Advances in Pharmacokinetics in Minor and Exotic Species

Message from the Guest Editor

Pharmacokinetic studies are crucial for exotic, aquatic, and minor species because they provide essential data on how drugs are absorbed, distributed, metabolised, and excreted in these animals. This data is important because the processes often differ significantly from those in well-studied domestic species. Due to unique physiological and metabolic traits, extrapolating drug dosages from common species can lead to ineffective treatment or toxicity in exotic and aquatic animals. These studies help ensure safe and effective dosing, improve therapeutic outcomes, and support evidence-based veterinary care. Additionally, pharmacokinetic data are crucial for regulatory approval, particularly in food-producing minor species, to ensure that drug residues remain within safe limits for human consumption. This Special Issue aims to publish research papers or reviews concerning the pharmacokinetics of new drugs in animals or drugs that have not yet been evaluated for their pharmacokinetic profile in minor species (such as small ruminants, camelids or rabbits), aquatic species (such as ornamental or aquaculture fish) and exotic species (zoo and wildlife species, reptiles or amphibians).

Guest Editor

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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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