

Special Issue

The Use of Veterinary Drugs in Animal Production

Message from the Guest Editors

The increasing reliance on veterinary drugs in animal production systems has raised complex and interconnected challenges that extend beyond animal health and productivity. Residues in food, environmental dissemination and the emergence of antimicrobial resistance highlight the need for integrative approaches within the One Health framework. Despite important advances, significant knowledge gaps remain regarding the fate, effects and long-term implications of veterinary drug use across terrestrial and aquatic systems. In particular, current regulatory and risk assessment frameworks often face limitations in addressing complex exposure scenarios, including indirect pathways, mixture effects and interactions with environmental microbiota. This Special Issue aims to provide a comprehensive and multidisciplinary perspective on the use of veterinary drugs in animal production. We welcome contributions addressing regulatory aspects, pharmacokinetics and residue depletion, advanced analytical methodologies, environmental fate and ecotoxicological effects, as well as risk assessment and mitigation strategies.

Guest Editors

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Deadline for manuscript submissions

15 February 2027



Animals

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/277809

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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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