



animals



an Open Access Journal by MDPI

Plant-Based Alternatives to Antimicrobial in Animal Feed

Guest Editors:

Prof. Dr. Luciana Rossi

Department of Veterinary
Medicine and Animal Sciences—
DIVAS, University of Milan, Via
Dell'Università 6, 26900 Lodi, Italy

Dr. Carlotta Giromini

Department of Health, Animal
Science and Food Safety,
University of Milan, Milan, Italy

Deadline for manuscript
submissions:

closed (26 November 2021)

Message from the Guest Editors

The increase of antimicrobial resistance, a major threat at a global scale, has attracted attention from researchers, particularly in studies on the development of effective alternatives to antimicrobials. In this scenario, plants represent a relevant source of bioactive and functional compounds eliciting beneficial health effects in humans and animals, recognized also in traditional medicine in different countries. Substances of plant-origin, included in the animal diets, can exert antimicrobial effects, directly or indirectly, through different mechanisms of action and can be considered a valid strategy for the control of the diseases or to guarantee the health status of animals.

Areas of interest include phytochemicals, sustainability, alternatives to antimicrobials, feed additives, in vivo, or in vitro effects of plant-based feed.

We invite original research papers and review articles addressing aspects of the use of plant-based alternatives to antimicrobials as animal feed ingredients in farm animals.



mdpi.com/si/44484

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine
and Animal Sciences, Estonian
University of Life Sciences,
Kreutzwaldi 1, 51014 Tartu,
Estonia

2. Curtin University Sustainability
Policy (CUSP) Institute, Kent St.,
Bentley 6102, Australia

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: 3.0 (2022, ranks 12 /62 (Q1) in ‘Agriculture, Dairy & Animal Science’; 13/143 (Q1) in ‘Veterinary Sciences’), 5-Year Impact Factor: 3.2.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, PubAg, AGRIS, Animal Science Database, CAB Abstracts, and other databases.

Journal Rank: JCR - Q1 (*Veterinary Sciences*) / CiteScore - Q1 (General Veterinary)

Contact Us

Animals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/animals
animals@mdpi.com
[X@Animals_MDPI](https://twitter.com/Animals_MDPI)