

## Special Issue

# Plant Extracts as Feed Additives in Animal Nutrition and Health

### Message from the Guest Editors

Phytogenic feed additives are a wide range of plant-derived products (e.g., herbs, spices, essential/aromatic oils, oleoresins) which exhibit a wide range of activities, such as antioxidant, antimicrobial, anti-inflammatory, anticoccidial, and anthelmintic properties thanks to the presence of bioactive compounds mainly belonging to the classes of isoprene derivatives and flavonoids. The dietary supplementation of phytogenic additives has been shown to exert beneficial effects on animals' health (gut, immune system, antioxidant defenses, etc.), growth performance, nutrient retention, and intestinal microflora, leading to reduced susceptibility to diseases. This Special Issue aims to publish original research papers and review articles related to applying phytogenic feed additives to improve the welfare of livestock, poultry, and fish species. Particular emphasis will be on studies focusing on the antioxidant, anti-inflammatory, and immunomodulatory activities of phytoextracts on animals' organisms, correlating to the composition of phytoextracts.

---

### Guest Editors

Dr. Valentina Serra

Department of Veterinary Medicine and Animal Sciences, University of Milan, 26900 Lodi, Italy

Dr. Alessandro Guerrini

Department of Environmental Science and Policy, University of Milan, 20133 Milano, Italy

---

### Deadline for manuscript submissions

28 February 2025



## Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 4.9  
Indexed in PubMed



[mdpi.com/si/183407](https://mdpi.com/si/183407)

*Animals*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto:animals@mdpi.com)

[mdpi.com/journal/  
animals](https://mdpi.com/journal/animals)





# Animals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 4.9  
Indexed in PubMed



[mdpi.com/journal/  
animals](https://mdpi.com/journal/animals)



## 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 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

---

### 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
- 

### 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)