

## Special Issue

# Animal Nutritional Physiology: Effects of Feed Additives on Livestock Products

### Message from the Guest Editors

Feed additives encompass various substances added to animal diets to promote growth, increase feed efficiency, and maintain animal health and welfare. These additives may include phytobiotics, enzymes, probiotics, prebiotics, organic acids, antioxidants, and other bioactive compounds, each exerting specific effects on the digestive, physiological, metabolic, and immune functions and the microbiota and gut health of animals. In addition to their effects on animal health and performance, feed additives have the potential to influence the quality indicators of animal-derived products, including meat, milk, and eggs. By various mechanisms of action, feed additives are considered a crucial element of strategies for reducing chemoprophylaxis in animal production (excluding coccidiostats and histomonostats, which are also classified as feed additives). Thus, using feed additives contributes to meeting consumer expectations for high-quality, nutritious, and safe food products, aligning with the concept of “One Health”.

The goal of this Special Issue is to provide an up-to-date overview of the progress in current research on all aspects of feed additives.

---

### Guest Editors

Dr. Anna Arczewska-Włosek

Department of Animal Nutrition and Feed Science, National Research Institute of Animal Production, 32-083 Balice, Poland

Prof. Dr. Katarzyna Poltowicz

Department of Poultry Breeding, National Research Institute of Animal Production, 32-083 Balice, Poland

---

### Deadline for manuscript submissions

closed (25 May 2026)



## Life

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/si/199076](https://mdpi.com/si/199076)

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

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





# Life

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.0  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Life* (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

---

### Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona  
Institute of Science and Technology, 08028 Barcelona, Spain

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)