

Special Issue

Animal Nutrition: Latest Advances and Prospects

Message from the Guest Editors

Animal nutrition remains a cornerstone of modern animal agriculture, shaping not only growth and productivity but also animal health, product quality, economic performance, and environmental impact. In light of pressing global concerns—ranging from climate change and antimicrobial resistance to the need for more sustainable sources of animal-derived foods—advances in nutritional science are more critical than ever. The field is undergoing a profound transformation, driven by novel feed technologies, precision feeding strategies, biofunctional compounds, and digital tools that together support more efficient and resilient production systems. This Special Issue aims to bring together high-quality original research, comprehensive reviews, and insightful case studies that reflect the latest scientific progress and emerging trends in animal nutrition. By assembling contributions from leading experts and research groups, this Special Issue seeks to promote knowledge dissemination, stimulate cross-sector collaboration, and inspire future innovations in the science and practice of animal nutrition.

Guest Editors

Prof. Dr. Polyana Pizzi Rotta

Department of Animal Science, Universidade Federal de Viçosa, Viçosa 36570-900, Brazil

Prof. Dr. Alex Lopes da Silva

Department of Animal Science, Universidade Federal de Viçosa, Viçosa 36570-900, Brazil

Deadline for manuscript submissions

20 September 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/248726

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)