



Latest Research Progress in Animal Feed In-Vitro Digestibility and Nutritional Evaluation

Guest Editor:

Dr. Anna De Angelis

Department of Agriculture, Food and Environment, University of Catania, Via Valdisavoia 5, 95123 Catania, Italy

Deadline for manuscript submissions:

closed (31 August 2024)

Message from the Guest Editor

The most recent scientific research concerning the in vitro digestibility and nutritional evaluation of foods has focused on the detection of the level of use, by polygastrics and monogastrics, simulating both rumen fermentation and gastro-intestinal digestion, not only of macromolecules, carbohydrates, proteins and lipids, but mainly of their conditioning intrinsic components: carbohydrate fractions, protein fractions, and fibrous fractions; for example, there is much interest in the production of methane at the rumen level. Another important aspect is the evaluation of the associative or dissociative effects determined by the combinations of various feeds; the results obtained have the aim of obtaining a more appropriate nutritional value, improving the formulation of the diets. Finally, much attention has been paid to determining the nutritional value of alternative protein sources (insects, algae) and to the action of biomolecules (probiotics, prebiotics).





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: 2.7 (2023, ranks 10/80 (Q1) in 'Agriculture, Dairy & Animal Science'; 16/167 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.0.

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, Grosspeteranlage 5
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)