

## Special Issue

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

### 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).

### Guest Editor

Dr. Anna De Angelis

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### Deadline for manuscript submissions

closed (31 August 2024)



## Animals

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### 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 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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### Editor-in-Chief

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