

Special Issue

Addressing Non-ruminant Nutrition and Digestive Ecology Functions for Sustainable Production and Welfare

Message from the Guest Editors

Feed costs account for 60–70% of animal production costs, especially for intensively farmed poultry and pigs. Efforts are made to produce high-quality, efficiently used animal diets. With growing global demand, sustainable animal production is urgent to address food security with rising human populations and climate change. Animal feed must be produced sustainably and less competitive with human food. Optimal nutrition requires optimal digestion, absorption and metabolism. Digestibility predicts nutrient availability. Greater understanding of digestion/absorption through histology, biomarkers and molecular techniques monitoring gut microbiome and metabolism would help improve nutrition. We welcome research on these aspects of digestion/nutrition in non-ruminants and utilizing novel feedstuffs. This includes molecular techniques and evaluating products from agrifood waste and biotechnology like GM plants, insect meals and microbial proteins.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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