

Special Issue

Production and Feeding Strategies of Monogastric Animals

Message from the Guest Editor

The main goals of monogastric animal (pigs, poultry, rabbits) nutrition are to optimize nutrient digestion and absorption, leading to improved animal performance (growth, health) and feed efficiency, while producing high-quality food (meat, eggs) for humans. Other key goals include increasing sustainability, ensuring the production of safe and high-quality food, and reducing the environmental impact of livestock farming. This Special Issue focuses on research in feeding strategies to improve feed efficiency, reduce environmental impact, and enhance animal health by optimizing feed ingredients and formulation. Key areas include the use of alternative protein sources; incorporation of low-cost feed by-products and crop residues that minimize competition between animal and human food sources; feed processing to reduce the impact of antinutritive factors; implementation of precision feeding techniques; and utilization of feed additives, botanicals, and herbs, as well as feed processing (e.g. fermentation, extrusion) to improve nutrient utilization and gut health in monogastric species.

Guest Editor

Dr. Ralf Blank

Animal Nutrition and Physiology, Christian-Albrechts-University of Kiel,
24118 Kiel, Germany

Deadline for manuscript submissions

25 March 2026



Agriculture

an Open Access Journal
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Impact Factor 3.6
CiteScore 6.3



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

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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