

Special Issue

Optimizing Poultry Nutrition and Health

Message from the Guest Editors

In the era of antibiotic-free production, optimizing nutrition and health is vital for efficient and sustainable poultry farming. A well-balanced diet that meets birds' physiological and metabolic needs supports performance, health, immune function, and disease resilience. Modern analytical tools and precision nutrition now make this achievable. This Special Issue highlights recent advancements and innovative research linking nutrition, health, and productivity in poultry. Topics include precision nutrition, functional feed additives to enhance health and performance, nutrient-gene interactions (nutrigenetics), nutraceuticals in immune modulation and disease resistance, and dietary strategies to shape the gut microbiome. We also welcome research on novel feed ingredients with potential as antibiotic alternatives. We invite original research, thorough reviews, and applied notes bridging nutritional science and practical poultry production to advance health and performance.

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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.

Editor-in-Chief

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