

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.

Guest Editors

Dr. Milan K. Sharma

Department of Food Science, Cornell University, Ithaca, NY 14850, USA

Dr. Guanchen Liu

Department of Grain Science and Industry, Kansas State University, Manhattan, KS 66506, USA

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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

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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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