

Special Issue

Gut Microbiome and Health of Poultry

Message from the Guest Editor

The gut microbiome, a core component of gut health, is critical to poultry health and performance, impacting growth, immunity, and disease resistance. As consumer demands for sustainable and high-quality poultry products increase, understanding microbiome interventions has become essential. Research suggests that modulating the microbiome through bioactive substances can enhance poultry health and mitigate the effects of pathogenic and environmental stressors.

This Special Issue aims to explore cutting-edge research on microbiome interventions in poultry, focusing on nutritional interventions, host–pathogen dynamics, environmental microbiomics, next-generation sequencing (NGS) technologies for rapid microbiome profiling, and innovative diagnostic tools to address poultry enteric diseases and strategies to promote microbiome resilience.

We invite a diverse array of submissions, including original research, reviews, and opinion pieces, that deepen our understanding of the microbiome's role in poultry health. Interdisciplinary studies that explore the impact of poultry management practices, animal welfare, and sustainability on the microbiome are particularly welcome.

Guest Editor

Dr. Samson Oladokun

Department of Poultry Science, Texas A&M University, 474 Olsen Blvd., TAMU 2472, College Station, TX 77843, USA

Deadline for manuscript submissions

closed (28 February 2026)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 7.8



mdpi.com/si/229472

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

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 7.8



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

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.

Editor-in-Chief

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)