Special Issue

Intestinal Health and Immunomodulation in Swine

Message from the Guest Editors

Intestinal health is a crucial topic in farm animal production due to the rising incidence and mortality from intestinal diseases, particularly in swine. Gut health is not only a matter of animal well-being but also represents significant economic losses for farmers and the swine industry. The sensitivity of a pig's gut means its functionality can be compromised by feed contaminants such as bacteria, mycotoxins, heavy metals, pesticides, and other xenobiotics. Common toxic effects in pigs include diarrhea, vomiting, reduced appetite, and weight loss. However, some agents can elicit an immune response without visible symptoms, and long-term exposure to low doses of these contaminants can adversely affect health. Equally important is investigating the beneficial effects of certain bioactive compounds on maintaining intestinal health. This Special Issue focuses on intestinal health. examining the factors and mechanisms that can damage the intestinal epithelium and trigger immune responses. Our goal is to explore new ways to diagnose, prevent, and treat intestinal-related diseases, thereby enhancing the health status of pigs and supporting the economy.

Guest Editors

Dr. Valeria Cristina Bulgaru

National Research and Development Institute for Biology and Animal Nutrition, 077015 Balotesti, Romania

Dr. Gina Pistol

Laboratory of Animal Biology, National Institute for Research and Development for Biology and Animal Nutrition, Calea Bucuresti No. 1, Balotesti, 077015 Ilfov, Romania

Deadline for manuscript submissions

5 January 2026



Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 6.3



mdpi.com/si/229667

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

mdpi.com/journal/agriculture





Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 6.3



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), PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

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

