# Special Issue

# Application of Intelligent Technologies in Farm Animal Disease, Feeding and Building Environmental Control

# Message from the Guest Editors

Traditional livestock farming has long faced problems regarding inaccurate environmental control (lagging regulation of temperature, humidity, and harmful gases). a dependence on manual experience for disease prevention and control (leading to high misdiagnosis rates and strong lag), and low feed utilization rates (with waste rates averaging 15%-20%), resulting in low production efficiency, reduced economic benefits, and intensified environmental pollution on farms. The application of intelligent technologies provides technical support that makes it possible to accurately identify the physiological states of individual animals (such as their heart rate, body temperature, and rumination frequency), to regulate breeding environments in real time (by linking ventilation and temperature control systems), and to construct disease warning models. This Special Issue aims to highlight impactful research and commentary with a focus on using intelligent technologies to improve farm production efficiency and resource utilization, to ensure animal health and welfare, and to build sustainable ecosystems.

## **Guest Editors**

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# Deadline for manuscript submissions

30 November 2025



# Agriculture

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mdpi.com/si/242010

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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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