Special Issue

Application of Sensor Technologies in Livestock Farming

Message from the Guest Editors

This Special Issue explores the role of sensor technologies, e.g., machine vision, in transforming the livestock farming industry. This includes the advancements, challenges, and potential applications of sensor technologies in livestock farming. In addition, this Special Issue focuses on various aspects of sensor technologies, such as data processing and decision-making algorithms, showcasing their effectiveness in livestock management. The articles will explore how sensor technologies can facilitate the automated monitoring of animal behaviour, disease detection, and identification of individual animals for tracking and sorting purposes. Furthermore, this issue also examines the integration of machine vision with other sensor technologies, such as infrared thermography and RFID, to enhance the overall efficiency and accuracy of data collection. This Special Issue also addresses challenges associated with implementing sensor technologies in livestock farming, including data management, privacy, and cost-effectiveness.

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Deadline for manuscript submissions

closed (20 July 2024)

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 6.3

mdpi.com/si/175680

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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.

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