Special Issue

Recent Advancements in Precision Livestock Farming

Message from the Guest Editors

The increasing global demand for sustainably sourced animal-derived food has prompted the development and application of smart technologies to address environmental, economic, and societal concerns, resulting in precision livestock farming (PLF) applications. PLF is defined as “individual animal management by continuous real-time monitoring of health, welfare, production/reproduction, and environmental impact”. PLF could provide farmers with continuous, contactless, and objective data collection, detecting small but significant changes in behavioural patterns or unrelated parameters, which greatly improve farmers’ decision management. This editorial initiative aims to highlight research across the entire breadth of precision livestock farming. Welcomes contributions covering:

- Smart Animal Farming;
- Precision Feeding;
- Sensor Technologies;
- Livestock Engineering;
- Automated monitoring of animal behaviour;
- Robotics Automation in Livestock Environment;
- Technologies to monitor welfare/health at animal/herd level;
- Artificial intelligence applications;
- Data management and Decision Support Systems;

Guest Editors

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Deadline for manuscript submissions

closed (25 June 2023)

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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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