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

Prof. Dr. Gang Liu

Dr. Hao Guo

Dr. Alexey Ruchay

Dr. Andrea Pezzuolo

Deadline for manuscript submissions

closed (25 June 2023)

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

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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

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