

## 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;

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### Guest Editors

Prof. Dr. Gang Liu

Dr. Hao Guo

Dr. Alexey Ruchay

Dr. Andrea Pezzuolo

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### Deadline for manuscript submissions

closed (25 June 2023)



## Agriculture

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## 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.

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### Editor-in-Chief

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