

Special Issue

Application of Vision Technology and Artificial Intelligence in Smart Farming—2nd Edition

Message from the Guest Editors

Computer vision (CV) and artificial intelligence (AI) have been gaining traction in agriculture. From reducing production costs with intelligent automation to boosting productivity, CV and AI have massive potential to enhance the overall functioning of smart farming. Smart farming requires considerable processing power. The application of CV and AI helps crops progress towards a perfect stage of ripeness.

Based on the first volume, a Special Issue focused on the application of CV and AI in smart farming, we decided to continue with a second volume, researching topics that may include but are not limited to the following: the design and optimization of agricultural sensors, behavior recognition of livestock and poultry based on vision technology and deep learning, automation technology in agricultural equipment based on vision technology, the design and optimization of robots for livestock and poultry breeding based on vision technology and artificial intelligence, the non-destructive detection of meat quality, and agricultural big data analytics based on sensor data and deep learning. Both original research articles and reviews are accepted.

Guest Editors

Dr. Xiuguo Zou

Dr. Xiaochen Zhu

Dr. Wentian Zhang

Dr. Yan Qian

Dr. Yuhua Li

Deadline for manuscript submissions

closed (5 December 2024)



Agriculture

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Agriculture
Editorial Office
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, 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

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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