

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.

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Deadline for manuscript submissions

closed (5 December 2024)



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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.

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