

## Special Issue

# Computer Vision and Deep Learning Technology in Agriculture

### Message from the Guest Editor

Agriculture is complex and hard to predict. Computer vision offers us opportunities to better understand agriculture by processing data in a visible manner. Deep learning, which belongs to the machine learning field, is a modern technique for image processing and data analysis, with promising results and great potential. Recent advances in deep learning have significantly promoted computer vision applications in agriculture, providing solutions to many long-lasting challenges. This Special Issue of *Agronomy* aims to provide coverage of advances in the development and application of computer vision, machine learning, and deep learning techniques for solving problems in agriculture. Papers on new techniques for processing high-resolution images collected with RGB, multispectral and hyperspectral sensors from the air (with UAVs, for instance) or from the ground are also welcome. We encourage you to share your research on state-of-the-art applications of computer vision and deep learning in agriculture and to submit your paper to this Special Issue.

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### Guest Editor

Dr. Juncheng Ma

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### Deadline for manuscript submissions

closed (30 September 2023)



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### Message from the Editor-in-Chief

*Agronomy* draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

*Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

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### Editor-in-Chief

Prof. Dr. Leslie A. Weston

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