

## Special Issue

# Artificial Intelligence and Human–Computer Interactions in Agricultural Production

### Message from the Guest Editors

With growing populations and rising demand for food and cash crops, enhancing agricultural productivity is increasingly important. Over the past decade, artificial intelligence (AI) and human–computer interaction technologies have been adopted to support crop and fruit cultivation, aiming to increase yields while reducing environmental impact. AI enables effective crop monitoring and timely management decisions.

Applications such as detection, counting, segmentation, and yield prediction support precision practices like targeted spraying and irrigation. This Special Issue of *Agronomy* welcomes research and reviews on AI applications in crop and fruit production, including detection, localization, harvesting, yield forecasting, and human–computer interaction systems. Studies on related innovations in agronomy, horticulture, agricultural robotics, and sustainable technologies are also encouraged.

### Guest Editors

Dr. Wenzheng Liu

Dr. Shuqin Tu

Dr. Yuan Su

### Deadline for manuscript submissions

30 April 2026



## Agronomy

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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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