

## Special Issue

# Advanced Image Processing in Agricultural Applications

### Message from the Guest Editors

Application of image processing technology in agricultural production scenarios, such as fruit-picking robots, pest monitoring, growth environment factor monitoring, agricultural planting management, crop baking and drying, and seed quality breeding, has recently garnered increasing research interest. However, in a complex agricultural environment, image processing is rather difficult, as it can often lead to misclassification due to the interference of external factors, thereby resulting in erroneous experimental results. In addition, with the rapid development of image processing algorithms, the application of this technology in agriculture faces further challenges, including overlapping of agricultural products, serious occlusion of detection targets, excessive detection of targets, and difficulties in image processing due to light and camera angle. Therefore, advanced image processing technology in agriculture is an inspiring and promising area of research. This Special Issue aims to present state-of-the-art research achievements that contribute to a better understanding of the agricultural field in terms of image processing, environment perception, and sensor fusion.

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### Guest Editors

Dr. Jiehao Li  
Prof. Dr. Jun Li  
Prof. Dr. Weibin Wu

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### Deadline for manuscript submissions

closed (25 June 2024)



## Agriculture

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*Agriculture*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agriculture@mdpi.com](mailto:agriculture@mdpi.com)

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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

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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