



Advanced Image Processing in Agricultural Applications

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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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Message from the Editor-in-Chief

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