

Special Issue

Optics and Image Analysis in Modern Agriculture: Transforming Practices and Unveiling Opportunities

Message from the Guest Editor

Optics and image analysis technologies support modern agriculture, providing detailed insights into crop health, soil conditions, and environmental factors at both macro- and micro-scales. These advancements enable farmers to make data-driven decisions, optimize resource usage, and enhance overall productivity. Furthermore, they present opportunities for industries and research centers to develop innovative equipment and protocols. In addition, the ongoing digital revolution continues to drive novelties in optics and image analysis, regularly introducing novel approaches. This special issue will highlight the diverse applications of optics and image analysis in agriculture. We invite contributions across a wide range of article types, including original research, reviews, and opinion pieces. Together, we can showcase the transformative potential of these technologies for advancing modern agricultural practices.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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