

Special Issue

Applications, Challenges and Potential of Intelligent Equipment in Agriculture

Message from the Guest Editors

Currently, there is a need to continue generating multidisciplinary knowledge with the aim of offering researchers, technicians and agricultural entrepreneurs an updated view of the various tools and technologies available: remote sensing, sensors, robotics, modelling, artificial intelligence, data acquisition and visualisation, IoT communications, etc. These tools and technologies can help to solve global challenges and problems, such as the optimisation of natural resources/soil/water, the improvement of human resources/mechanised harvesting, and reducing the effect of climate change, all of which pose a threat to the great diversity of crops covered by current horticulture.

This Special Issue invites you to participate in the research and technological developments via the submission of original papers, in order to advance the management of horticultural tools and technologies: (i) mechanised harvesting, (ii) precision agriculture, (iii) innovative strategies, digital transformation and irrigation optimisation through ICTs, (iv) sensorisation, and (v) remote sensing and machine learning applications in satellite images and UAVs in different spectral ranges, among others.

Guest Editors

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Deadline for manuscript submissions

closed (15 February 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.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

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