

## Special Issue

# Smart Agriculture Sensors and Monitoring Systems for Field Detection

### Message from the Guest Editor

Innovation in terms of smart agriculture systems has emerged as a potential solution to improve the throughput capacity and precision of these standard practices of crop evaluation in large-scale experimental studies. The idea of smart agriculture implies the use of new technologies in order to increase the yields and quality of crops, optimizing resources and reducing environmental impacts. This Special Issue aims to highlight impactful research on how the increasing appearance of new devices could contribute towards better crop management, including from real-time meteorological data, soil health parameters, or in vivo sensors based on the stem or leaves, monitoring physiological changes to proximal remote sensing tools at the leaf, canopy, and UAV scales. This Special Issue welcomes the submission of studies based on precision agriculture and plant phenotyping and which cover a broad range of crops. Moreover, we also encourage studies which focus on exploring synergies between sensors in order to define traits of importance to made agronomic decisions.

### Guest Editor

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### Deadline for manuscript submissions

closed (25 March 2025)



## Agriculture

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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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### Editor-in-Chief

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