



Advanced Instrumentation for an Intelligent Agriculture: Current Trends and Perspectives

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Message from the Guest Editors

This overarching aim of this Special Issue is to bring together recent development related to advanced instrumentation utilized in agriculture. We invite you to contribute to this issue by submitting comprehensive reviews, case studies, or research articles that focus on scientific methods, technological tools and innovatively statistical analyses, in order to provide an overview of the current trends but also discuss future perspectives that are expected to have a profound impact.

Contributions are expected to deal with, but are not limited to, the following areas:

- Proximal sensors and instruments for soil characterization
- Sensors and instruments for water characterization
- Biological sensors and instruments
- Instruments for multispectral imaging
- Instruments and devices for hyperspectral data collection
- Instrumentation for variable rate irrigation
- Production yield measurement devices and instruments
- Dry weight measuring instruments and devices
- Instruments and devices for weed recognition
- Instruments and devices for pest recognition





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Message from the Editor-in-Chief

The realization of dedicated instrumentation has always been a collateral aspect of experimental research. In addition, many groups dedicate efforts and resources solely to the development of new devices, sensors, equipment and large infrastructure, theoretical and numerical studies, and novel experimental methodologies. With Instruments we wish to address both established and emerging communities, also to favor the creation of innovative trans-disciplinary approaches. We see Instruments as an exciting high-impact journal that will soon hold a leading position in disseminating cutting edge scientific and technological research.

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