

Special Issue

Artificial Intelligence-Powered Sensors in Smart Agriculture and Precision Forestry

Message from the Guest Editor

The improvements brought by AI technologies in smart agriculture and precision forestry have the potential to increase productivity, reduce waste, and improve sustainability. Indeed, AI-powered sensors can grant a complete map of the culture, allowing for informed decisions about fertilization, irrigation, and pest control, resulting in improved crop yields and more efficient use of resources. AI applications to precision forestry can be used to analyze signals collected by remote and proximal sensors, allowing the precise identification of areas that are at risk of disease or wildfire and the development of targeted strategies for managing these risks. Finally, AI-based signal analysis can be used also to improve work safety during in-field operations. This Special Issue will address all types of AI-powered sensors applied to smart agriculture and precision forestry.

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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