

## Special Issue

# Sensors and Artificial Intelligence in Smart Agriculture

### Message from the Guest Editor

We seek manuscripts on advanced machine learning techniques and tools that extract knowledge and learn from large volumes of multimodal agricultural data. The following areas are of the highest interest:

- Multimodal/multisource data analytics techniques for precision agriculture (data obtained from wireless remote sensors, cameras, drones and databases with different spatial and temporal sampling patterns);
- New feature extraction and knowledge extraction tools that help identify the most discriminative variables for detection/classification purposes, as well as those variables correlated with the onset of pests and diseases;
- State-of-the-art machine learning tools for precision agriculture (deep neural networks for detection of pests and diseases, kernel methods for extraction nonlinear correlations among variables, and Gaussian processes to correlate and solve spatiotemporal regression problems involving multispectral images from drones and geotagged data from remote sensors)

### Guest Editor

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### Deadline for manuscript submissions

closed (31 March 2025)



## Sensors

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## About the Journal

### 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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