

## Special Issue

# Innovations in Remote Sensing and AI-Enabled Sensing for Smart Agriculture

### Message from the Guest Editor

The integration of remote sensing and geospatial digital innovations, including artificial intelligence (AI), is revolutionizing modern agriculture. This Special Issue focuses on advancements in sensor-driven technologies that enhance precision agriculture through improved data acquisition, analysis, and decision-making. Topics of interest to this Special Issue include remote sensing; the processing and organization of geospatial data; computational and optimization methods—particularly AI-driven approaches; innovative visualization methods such as augmented reality (AR); and 3D geospatial modeling for smart agriculture. Contributions exploring satellite imagery, aerial photography, unmanned aerial vehicles (UAVs), light detection and ranging (LiDAR), and sensor networks in agricultural monitoring are welcome. Additionally, studies leveraging machine learning, deep learning, and generative AI for predictive analytics, crop health assessments, and environmental monitoring are encouraged.

### Guest Editor

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### Deadline for manuscript submissions

25 October 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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