

Special Issue

Intelligent Sensors and AI for Sustainable Agriculture and Ecological Solutions

Message from the Guest Editors

This Special Issue invites researchers and practitioners to contribute original research, reviews, and case studies focusing on the fusion of AI and sensor technologies for emerging agriculture and ecological applications. Topics of interest include, but are not limited to:

- Decision support systems
- Deep learning
- Precision agriculture
- Sensor-based irrigation and fertilization
- Pest and disease detection
- Remote sensing
- Crop monitoring and yield prediction
- Autonomous robotics and drones
- Sensor networks
- Machine learning models
- Smart farming systems
- Sustainable agriculture
- Soil health assessment and conservation
- Data integration and analytics
- Sustainable food systems
- Presence and activity detection
- Movement and migration monitoring
- Species Identification
- Behaviour analysis
- Health and vital signs monitoring
- Population assessment

Guest Editors

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Deadline for manuscript submissions

closed (10 March 2025)



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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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