# **Special Issue**

## Remote Sensing and IoT Application for Smart Agriculture

### Message from the Guest Editors

The convergence of remote sensing (RS) and Internet of Things (IoT) technologies is revolutionizing agriculture by enhancing productivity, sustainability, and climate resilience. This Special Issue explores cutting-edge advancements in RS and IoT for smart agriculture, focusing on real-time monitoring, precision agriculture, and data-driven decision-making. High-resolution satellite imagery, drones, ground-based sensors, and IoT networks enable scalable solutions for crop health assessment, soil analysis, pest control, and irrigation optimization. Topics of interest include, but are not limited to, the following:

- Low-cost, energy-efficient IoT sensors for soil, crop, and environmental monitoring⊠.
- Al/ML-driven fusion of remote sensing and IoT field data.
- Edge computing and lightweight AI for real-time agricultural analytics.
- Drone/UAV-based precision mapping for crop stress detection and yield estimation.
- Wireless sensor networks for smart irrigation and water management.
- Blockchain-enabled traceability in agricultural supply chains⊠.

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## Guest Editors

Prof. Dr. Xihai Zhang

Dr. Xiangyu Meng

Prof. Dr. Yuan Rao

**Deadline for manuscript submissions** 31 May 2026



# Journal of Sensor and Actuator Networks

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## About the Journal

## Message from the Editor-in-Chief

I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

### Editor-in-Chief

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