



[www.iaaria.org](http://www.iaaria.org)

## The First International Conference on Accessible Digital Agriculture Technologies

**CADAT 2024**

**November 17 - 21, 2024 - Valencia, Spain**

<http://www.iaaria.org/conferences2024/CADAT24.html>

### Important deadlines:

Submission deadline	July 21, 2024
Notification	September 23, 2024
Registration	October 8, 2024
Camera ready	October 18, 2024

### Tracks:

#### AI and Machine Learning in Crop Management

- Crop Disease Detection
- Yield Prediction and Optimization
- Pest Management Strategies
- Soil Health Assessment

#### Digital Twins for Agricultural Systems

- Virtual Farming Simulations
- IoT-enabled Farm Monitoring
- Precision Livestock Farming
- Climate Adaptation Strategies

#### Robotic Harvesting and Farm Automation

- Autonomous Harvesting Machinery
- Weed Control Robots
- Autonomous Greenhouse Operations
- Human-Robot Collaboration in Agriculture

#### Smart Sensors and IoT Integration for Real-Time Food Monitoring

- Wireless Communication Protocols in the food supply chain
- Data Fusion and Integration Strategies
- Cloud-Based Analytics and Predictive Maintenance

#### AI and Machine Learning in Food Safety Analytics

- Predictive Modeling for Contamination Detection
- Anomaly Detection and Outlier Identification
- Image Recognition and Computer Vision
- Integration of Sensor Data and Environmental Factors
- Explainable AI and Interpretability in Decision-Making