



Applications of IoT Technology in Intelligent Farms

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to showcase innovative research, methodologies, and applications that leverage IoT technologies to address challenges and explore opportunities within precision agriculture.

Potential topics for submission include, but are not limited to, the following:

1. IoT-enabled sensor networks for real-time environmental monitoring in agricultural contexts.
2. Integration of drones and autonomous vehicles equipped with IoT devices for precision agriculture tasks.
3. Data fusion and analytics from heterogeneous IoT data sources for decision support in precision agriculture practices.
4. Smart irrigation systems and water management using IoT solutions.
5. IoT-based applications for pest and disease monitoring and early detection in crops.
6. Edge computing and AI-enabled IoT solutions for on-site data processing in precision agriculture.
7. Blockchain applications to enhance traceability and transparency in agricultural supply chains.
8. Energy-efficient IoT devices and communication protocols for agricultural monitoring systems.
9. Scalability, security, and privacy considerations in IoT deployments for precision agriculture.





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Message from the Editor-in-Chief

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