

Special Issue

Application and Development of IoT Technology in Smart Agriculture

Message from the Guest Editors

This Special Issue seeks to foster innovation and collaboration in the global effort to build resilient and sustainable food systems through IoT technology. Research areas may include (but are not limited to) the following:

- IoT architectures and communication protocols for agricultural environments;
- Smart sensing systems for crop, soil, and livestock monitoring;
- Wireless sensor networks (WSNs) and LPWAN technologies (e.g., LoRa, NB-IoT);
- Edge and fog computing for real-time agricultural decision-making;
- AI and machine learning integration in IoT-based precision farming;
- IoT-powered irrigation management and climate control systems;
- Automation and robotics in agriculture using IoT platforms;
- Energy harvesting and low-power IoT devices for field deployment;
- Blockchain and secure data sharing in smart agriculture;
- Data analytics and cloud-based platforms for agricultural insights.

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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