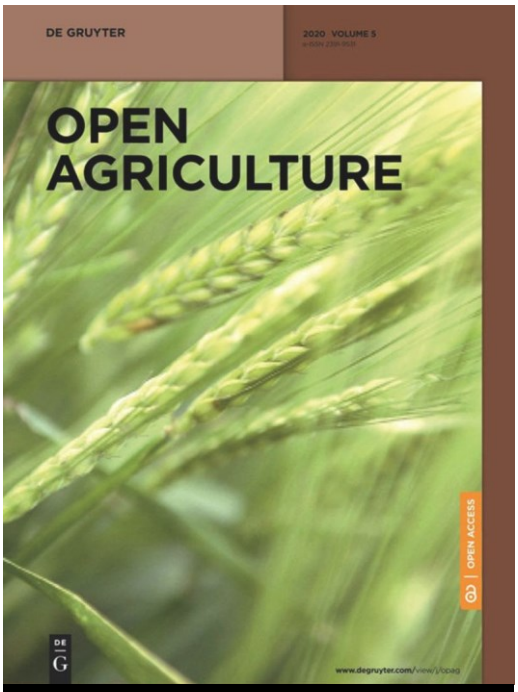
DE GRUYTER

SPECIAL ISSUE

ADVANCES IN INTERNET OF THINGS FOR SMART AND SUSTAINABLE AGRICULTURE



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ANNOUNCING A SPECIAL ISSUE:

The agriculture industry has benefited from technological advancements that have streamlined procedures and made lives easier for people. Today's agriculture is synonymous with cutting-edge machinery and technology, all in the name of efficiency, production, and the business's financial and environmental sustainability. Production planning and control are essential to success. In this new paradigm known as IoT argon-intelligence, precision agriculture, a system based on modern technology that regulates and analyses all production, is crucial. There are several ways to deal with climate change's impacts on agriculture, such as breeding programs, nutrient management, seed priming, and other sustainable agricultural practices. The use of such advanced Agri systems is more suitable and effective for handling the existing problem of required food, and employment that also enhances the living and economic standard of farm families.

For the benefit of all stakeholders, smart agriculture may include and integrate all problems and advances. The Internet of Things, the cornerstone of Industry 4.0 technologies, has switched the focus from using wireless sensor networks for agriculture to evaluating agriculture in the context of cyber-physical systems.

This Special Issue intends to collect contributions in the form of original research articles and a limited number of reviews that explore innovations and achievements in the "IoT for Smart and Sustainable Agriculture." This includes any design-related optimization for wireless sensing devices, networking of "Things," and services focusing on agricultural applications and new smart agriculture applications in line with Agriculture 4.0. The goal is to publish the work created for agricultural applications, emphasizing the presentation of numerous theoretical and real-world issues.

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Submission Deadline: 28.02.2024

For this issue we offer 50% discount on the article processing charge

The topic of interest is as follows but not limited to:

- Climate-Smart Agriculture: Opportunities and Challenges
- Analysis Of Green Revolution's Limitations
- Economic Considerations Regarding the Use of Antibiotics In Agriculture
- Novel measures in Agriculture Technology And Science
- Biotechnology For Food And Agriculture: Ethical Issues
- Hybrid Machine Learning Approach for Agricultural Plant Leaf Disease Detection
- Innovative Industrial Technical Paradigms in Industrial Internet of Things
- Biotechnology For Food And Agriculture: Ethical Issues
- Key Issues in Growing Consumption and Potential Shortfall for Irrigation.
- Possible Negative Effects Of Irrigation Development on the Environment Integrated farming system and its application
- Identification, Knowledge, and Adoption of integrated farming system in an agricultural system
- Socio-economic growth and sustainable development
- Pest and water management
- Agroecosystem Services and Biological Control
- Strategies for Security and Nutritional Quality of Crop Species
- Digital Innovations in Agriculture and optimization techniques for agricultural systems

SUBMISSIONS

Manuscripts should be submitted to the journal via the online submission system:
https://www.editorialmanager.com/opag

You will be guided through the entire peer-reviewing and publishing process. Along with your manuscript, please submit a cover letter and a License to Publish.

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