

## Special Issue

# Internet of Things and Wireless Sensor Networks for Smart Vegetable Growing

### Message from the Guest Editors

The advent of the Internet of Things (IoT) and wireless sensor networks (WSNs) has revolutionized modern agriculture, paving the way for smart vegetable growing. These technologies enable the precise monitoring and control of various environmental factors such as temperature, air humidity, soil moisture, and light levels. By integrating IoT and WSNs, farmers can access real-time data and automate critical processes, leading to enhanced crop yields, resource efficiency, and sustainability. This Special Issue will explore the application of state-of-the-art technologies to allow smart vegetable growing, which includes, but is not limited to, indoor and outdoor crop production, smart irrigation and fertilization, crop yield monitoring and prediction, germination monitoring, field and zone management, crop protection, etc.

---

### Guest Editors

Prof. Dr. Boris Evstatiev

Faculty of Electrical Engineering, Electronics and Automation,  
University of Ruse, Ruse 7004, Bulgaria

Dr. Atanas Atanasov

Department of Agricultural Machinery, Agrarian and Industrial Faculty,  
University of Ruse "Angel Kanchev", Ruse 7004, Bulgaria

---

### Deadline for manuscript submissions

closed (30 August 2025)



## Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 6.3



[mdpi.com/si/215486](https://mdpi.com/si/215486)

*Agriculture*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agriculture@mdpi.com](mailto:agriculture@mdpi.com)

[mdpi.com/journal/  
agriculture](https://mdpi.com/journal/agriculture)





# Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 6.3



[mdpi.com/journal/  
agriculture](https://mdpi.com/journal/agriculture)



## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

---

### Editor-in-Chief

Prof. Dr. Les Copeland  
Sydney Institute of Agriculture, School of Life and Environmental  
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

#### Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)