

## Special Issue

# Smart Farming: Addressing the Impact of Climate Change

### Message from the Guest Editor

The continuous growth of the world population has led to an escalating demand for food resources. However, agricultural land is decreasing due to the high population growth. Additionally, industrialization is speeding up climate change, causing a daily rise in sea levels and negatively impacting agricultural production. Furthermore, the agricultural sector is the second-largest contributor to greenhouse gas emissions, a major player in climate change. It is crucial for us to understand how smart technologies in agriculture can help to mitigate climate change impacts and ensure sustainable production that meets consumer needs. This Special Issue focuses on smart farming: addressing the impact of climate change. We are looking for all kinds of articles—original research, articles, reviews, etc.—covering smart technologies in agriculture, sustainable energy use, forest management, greenhouse gas reduction in agriculture, and engineering innovations.

### Guest Editor

Prof. Dr. Hyeon Tae Kim

Department of Bio-Systems Engineering, Institute of Smart Farm,  
Gyeongsang National University, Jinju 52828, Republic of Korea

### Deadline for manuscript submissions

closed (25 February 2025)



## Agriculture

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.6  
CiteScore 6.3



[mdpi.com/si/194383](https://mdpi.com/si/194383)

*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, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

---

### 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)