

## Special Issue

# New Technologies and Spatiotemporal Approaches in Precision Agriculture

### Message from the Guest Editor

Seasonal climatic conditions, soil fertility, variety selection, fertilization, irrigation, pest control, weed management, and harvest time play a crucial role in determining yield quantities and postharvest quality attributes (such as color, flavor, texture, and nutritional value of the harvested product) and, subsequently, consumers' decision to purchase the product in the marketplace. Modern precision agriculture has provided substantial solutions that address the spatial and temporal dimensions of field management practices. This Special Issue focuses on the role of geospatial digital technologies (GIS, RS-UAV, GPS) and sensors (image, climate, soil) in the capture, monitoring, and spatiotemporal analysis of data from preharvest factors toward better agricultural decision making in terms of space and time, with a major emphasis on the best agronomic practices for finally obtaining products with high and stable quality. For this Special Issue, we welcome all types of articles, including original research articles and reviews.

### Guest Editor

Prof. Dr. Dionissios Kalivas

Department of Natural Resources Management and Agricultural Engineering, Agricultural University of Athens, 75 Iera Odos, 11855 Athens, Greece

### Deadline for manuscript submissions

closed (20 June 2021)



## Agriculture

an Open Access Journal  
by MDPI

Impact Factor 3.3  
CiteScore 4.9



[mdpi.com/si/57116](https://mdpi.com/si/57116)

*Agriculture*  
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 3.3  
CiteScore 4.9



[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, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

---

### 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)