



## High-End Technologies for Sustainable Agri-Food Systems

Guest Editors:

**Dr. Georgios Xanthopoulos**

**Dr. Konstantinos G. Arvanitis**

**Dr. Dimitrios Loukatos**

Deadline for manuscript  
submissions:

**closed (29 December 2023)**

### Message from the Guest Editors

Dear Colleagues,

Under the light of the 5th Industrial Revolution the contemporary food production systems undergo a significant transformation from anthropocentric to machinocentric driven. This Special Issue will provide a platform for researchers to discuss and present their innovative work about the extent to which the limits of Agri-Food operations systems can be further shifted, in terms of autonomy, connectivity, efficiency, intelligence, reliability, sustainability, ease of control, and cost.

Potential topics include, but are not limited to:

Food Production and Security Monitoring;  
Crop Production Systems and Handling;  
Artificial intelligence techniques for Agri-Food and Quality Assurance;  
IoT applications for quality tracking in the farm to fork chain;  
Augmented reality applications for food quality monitoring;  
Fusion Techniques for Food Security and Quality Assurance;  
Sensor Fusion and Embedded Systems in Agri-food Systems.

Dr. Georgios Xanthopoulos  
Dr. Konstantinos G. Arvanitis  
Dr. Dimitrios Loukatos  
Guest Editors





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

## Contact Us

---

*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)