

## Special Issue

# Sustainable Horticultural Practices

### Message from the Guest Editors

As resources such as arable land and water are becoming more and more limited and consumers are getting more and more environmentally conscious, the horticulture industry is increasingly adopting sustainable practices in various sectors. The practices may include but are not limited to peat alternatives in greenhouse container production, sensor-based irrigation monitoring and control, precision agriculture, crop rotation, ground cover mulch systems, organic fertilizers and herbicides derived naturally from renewable plant and animal wastes, and space- and water-efficient production under increasingly efficient light-emitting diodes in indoor environments. Sustainable horticultural practices may reduce production input, reduce environmental impact, increase resource use efficiency, and improve water body and soil biodiversity. Therefore, in this Special Issue, we will highlight various sustainable practices in different sectors of the horticulture industry (greenhouse, nursery, fruit and nut, vegetable and viticulture, and floriculture) and the impact on overall sustainability.

---

### Guest Editors

Dr. Mengmeng Gu

Department of Horticultural Sciences, Texas A&M AgriLife Extension Service

Dr. Hyun-Sug Choi

Department of Horticulture, Daegu Catholic University, 38430 Gyeongsan-si, Republic of Korea

---

### Deadline for manuscript submissions

closed (31 August 2021)



## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.9



[mdpi.com/si/44892](https://mdpi.com/si/44892)

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

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





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.9



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



# About the Journal

## 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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

---

## Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

---

## 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, RePEc, CAPlus / SciFinder, and other databases.

### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)