Special Issue

Cultivation of Horticultural and Medicinal Plants in the Greenhouse and in Plant Factory Systems

Message from the Guest Editors

Hydroponic cultivation approaches are becoming extensive and are considered to be sustainable for the future of horticultural plant production worldwide. especially in areas with environmental extremities such as poor soil quality and water scarcity. Recently, the global interest in the production of horticultural plants in environment-controlled greenhouses, and especially in plant factory systems, is rapidly increasing. These systems enable greater automation and the implementation of tailored environments for the enhancement of the qualitative and quantitative traits of cultivated horticultural plants. The purpose of this Special Issue is to publish high-quality research and review articles addressing recent trends in the production of horticultural plants in hydroponic systems under controlled environmental conditions. Manuscripts relevant to the present topic related to plant propagation, nutrition enhancement, and hydroponic medium can also be submitted for consideration for this Special Issue.

Guest Editors

Dr. Abinaya Manivannan

Prof. Dr. Byoung Ryong Jeong

Prof. Dr. Seung-jae Hwang

Deadline for manuscript submissions

closed (31 October 2021)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/58875

Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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)

