Special Issue

Smart Farming Techniques for Protected Horticulture Facilities

Message from the Guest Editors

Due to the frequent occurrence of extreme weather as a consequence of climate change, the vulnerability of crop production is increasing. With the 4th Industrial Revolution, the protected horticultural industry is becoming more automated and viable than other agricultural fields. In particular, smart farming or agricultural practice decision-making technologies are developed using crop growth models and prediction methods based on ICT, IoT, ANN, AI techniques. The best field to apply these techniques is protected horticultural industry. Since various governments are also supporting the establishment of agricultural data centers (i.e,. AgriTech) and research centers for the automated production of horticultural facilities to restore the elasticity of agricultural productivity, many related studies are being conducted on these topics. Thus, in this Special Issue, we intend to collect and publish innovative and high-quality manuscripts on smart farming technologies for various protected horticulture facilities.

Guest Editors

Prof. Dr. Sung Kyeom Kim

Department of Horticultural Science, Kyungpook National University, Daegu 41566, Republic of Korea

Prof. Dr. Changhoo Chun

Department of Plant Science, Seoul National University, Seoul 08826, Korea

Deadline for manuscript submissions

closed (15 January 2022)

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

mdpi.com/si/66151

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

mdpi.com/journal/horticulturae

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

mdpi.com/journal/horticulturae

About the Journal

Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and Technologies (DiSTeBA), Salento University, Lecce, Italy

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, FSTA, and other databases.

Journal Rank:

JCR - Q1 (Horticulture) / CiteScore - Q1 (Horticulture)

MDPI