# **Special Issue**

# Nutrient Use Efficiency under Optimal and Stressful Conditions of Horticulture Plants

## Message from the Guest Editors

Plant growth and development are regulated by the environmental conditions and availability of mineral nutrients. The uptake of mineral elements is regulated from soil properties and rhizosphere conditions. Abiotic stresses such as drought, salinity, high or low temperature, and high or low light conditions affect the assimilation pathway of nutrients in plants. Ecophysiological studies can provide useful information on plant behaviour and adaptability on nutrient use efficiency. Nutrient uptake and assimilation can be improved by specific treatments with enriched bioactive compounds such as biostimulants. The efficacy of these products is particular evident in plant growth under suboptimal conditions. Appropriate methodologies used for mineral nutrition studies such as hydroponic systems and nutrient solution managements for improving plant growth are also welcome.

#### **Guest Editors**

Prof. Dr. Antonio Ferrante

Dr. Miguel Guzmán

Dr. Roberta Bulgari

Dr. Stefania Toscano

## Deadline for manuscript submissions

closed (25 February 2022)



## Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0 CiteScore 5.1



mdpi.com/si/56358

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



## 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, 73100 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)

