

## Special Issue

# Ornamental Plants and Urban Gardening

### Message from the Guest Editors

Urban green spaces serve the physical and mental health of the population, and urban plant applications must balance the effects of climate change and urbanization. The sustainability of urban green areas requires the use of appropriate plant species, use in a complex ecological system, and advanced maintenance technology for the design and operation of livable cities. In order to achieve all these goals, plant physiology and stress physiology research is necessary, primarily for the tolerance of drought and environmental pollution that is so common in urban areas; the use of traditional and molecular plant breeding methods is also essential. The interaction of the artificial living communities of cities, the examination of the interaction between plants, plants and microorganisms, and plants and animals is an essential part of sustainability. The monitoring and research of settlement communities as ecological systems serves to a large extent the perception of the effects of climate change, and helps to mitigate them. This Special Issue aims to draw attention to this wide-ranging multidisciplinary research work, and to offer solutions for modern urban green space management.

---

### Guest Editors

Dr. László Orlóci

Ornamental Plant and Green System Management Research Group, Institute of Landscape Architecture, Urban Planning and Garden Art, Hungarian University of Agriculture and Life Sciences, 2100 Gödöllő, Hungary

Dr. Albert Fekete

Department of Garden Art and Landscape Design, Institute of Landscape Architecture, Urban Planning and Garden Art Budapest, Hungarian University of Agriculture and Life Sciences (MATE), Villányi út 29-43, 1118 Budapest, Hungary

---

### Deadline for manuscript submissions

closed (31 July 2023)



## Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/133906](https://mdpi.com/si/133906)

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

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





# Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

---

### Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

---

### 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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)