

## Special Issue

# Factors Affecting Yield, Quality, Antioxidants, Mineral Composition and Residual Biomass Valorization of Vegetable Crops

### Message from the Guest Editors

In this Special Issue, we warmly welcome articles (original research, reviews, modeling approaches, perspectives, opinions) that focus on factors affecting yield, quality, antioxidant compounds and activity, mineral composition, and residual biomass valorization of vegetable crops grown in an open field or greenhouse, carried out upon investigations regarding agronomical, biochemical, physiological, genetic aspects of plant, soil, microbiome, nutrients, and hormone interactions in any vegetable species, including those industry-oriented (legumes, tomato, potato).

### Guest Editors

**Prof. Dr. Gianluca Caruso**

Department of Agricultural Sciences, University of Naples Federico II, Portici, 80055 Naples, Italy

**Dr. Nadezhda A. Golubkina**

Federal Scientific Center of Vegetable Production, Odintsovo District, Vniissok, Seleccionnaya 14, 143072 Moscow, Russia

**Prof. Dr. Viliama Vasileva**

Maize Research Institute, 5835 Knezha, Bulgaria

### Deadline for manuscript submissions

closed (30 June 2020)



## Plants

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/34021](https://mdpi.com/si/34021)

*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)