

## Special Issue

# Effects of Different Planting Patterns on Crop Yield and Soil Fertility

### Message from the Guest Editor

The diversity of ecology, climate, and soil types leads to differences in planting patterns. The selection of planting patterns is crucial to ensure crop yield, improve soil fertility, and maintain the ecological environment of the region, which includes the optimal combination of crop types, aboveground interactions, and nutrient cycling, as well as greenhouse gas emissions, soil carbon sequestration, and non-point source pollution prevention and control. This Special Issue of *Plants* will focus on the effects of different planting patterns on crop productivity and stability, soil fertility and its mechanisms, and the ecological environment.

### Guest Editor

Prof. Dr. Ligang Wang

Institute of Agricultural Resources and Regional Planning (IARRP),  
Chinese Academy of Agricultural Sciences (CAAS), Beijing 100081,  
China

### Deadline for manuscript submissions

closed (25 September 2023)



## Plants

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/164328](https://mdpi.com/si/164328)

*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)