



*plants*



an Open Access Journal by MDPI

## Emerging Topics in Plant Bioinformatics and Omics Data Analysis

Guest Editors:

**Prof. Dr. Xiangjia Min**

Department of Chemical and  
Biological Sciences, Youngstown  
State University, Youngstown, OH  
44555, USA

xmin@ysu.edu

**Prof. Dr. Lianfeng Gu**

Basic Forestry and Proteomics  
Research Center, College of  
Forestry, Fujian Agriculture and  
Forestry University, Fuzhou  
350002, China

lfgu@fafu.edu.cn

Deadline for manuscript  
submissions:

**28 February 2024**

### Message from the Guest Editors

Dear Colleagues,

The rapid accumulation of omics data in plants, including genomes, transcriptomes, proteomes, and metabolomes, requires intensive applications of bioinformatics and the development of a computational algorithm. This Special Issue is dedicated to plant bioinformatics with a focus on omics data analysis and data integration, including genome annotation and evolutionary analysis, the comparative genome-wide analysis of transcriptomes and proteomes, such as alternative splicing, protein subcellular location prediction and curation, etc. Papers in all areas of the applications and development of bioinformatics tools and databases resources are considered.

This Special Issue welcomes submissions of the following article types: methods, tools and database, original research, and reviews.



[mdpi.com/si/160934](https://mdpi.com/si/160934)

**Special** Issue



*plants*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Dilantha Fernando**

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

## 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, 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.

## 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](#) - Q2 (*Plant Science*)

## Contact Us

---

*Plants*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/plants](http://mdpi.com/journal/plants)  
[plants@mdpi.com](mailto:plants@mdpi.com)  
[@Plants\\_MDPI](https://twitter.com/Plants_MDPI)