

## Special Issue

# Plant Genetic Resources: Conservation and Characterization

### Message from the Guest Editor

This Special Issue of the *International Journal of Plant Biology* is focused on the topic of plant genetic resources and brings a multidisciplinary approach related to the conservation and characterization of plant genetic resources, with articles distributed across different thematic areas and written by authorities on the subject. The research presented involves *ex situ* and *in vitro* conservation in which the species are largely managed outside their natural environments, as well as complementary strategies, such as *in situ/on farm* conservation, in order to maintain species in their natural environments. In view of the demands of agricultural research, research into cultivated species, wild relatives of cultivated plants and with non-domesticated species of potential importance as genetic resources is addressed in order to expand the genetic base of existing *ex situ* collections and to suggest new uses for little-known species. Management methods, morphological and genetic assessments, and DNA sequencing and bioinformatics technologies which accelerate characterization are covered in this Special Issue.

---

### Guest Editor

Dr. Taciana Barbosa Cavalcanti

Recursos Genéticos e Biotecnologia, Empresa Brasileira de Pesquisa Agropecuária (EMBRAPA), Brasília 70770-917, DF, Brazil

---

### Deadline for manuscript submissions

closed (31 October 2023)



## International Journal of Plant Biology

---

an Open Access Journal  
by MDPI

---

CiteScore 3.0



[mdpi.com/si/170782](https://mdpi.com/si/170782)

*International Journal of Plant  
Biology*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijpb@mdpi.com](mailto:ijpb@mdpi.com)

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

[ijpb](https://ijpb)





# International Journal of Plant Biology

---

an Open Access Journal  
by MDPI

---

CiteScore 3.0



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

[ijpb](https://www.mdpi.com/journal/ijpb)



## About the Journal

### Message from the Editor-in-Chief

The *International Journal of Plant Biology* will publish regular research papers, reviews, short communications and opinion papers. The aim is to provide a platform for publication, information and debate, encompassing all areas that fall within the scope of plant biology. Indeed, the *International Journal of Plant Biology* will deepen plant research at all levels, from the molecular to the whole plant and community scales, including bioinformatics and modeling approaches. We will particularly highlight the importance of contributions to current topics, such as plant–plant communication, protection of plant biodiversity and plants in urban environments.

---

### Editor-in-Chief

Dr. Adriano Sofo

Department of Agricultural, Forestry, Food and Environmental Sciences (DAFE), Università degli Studi della Basilicata, Viale dell'Ateneo Lucano 20, 85100 Potenza, PZ, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, Biological Abstracts and BIOSIS Previews (Web of Science), and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 4.9 days (median values for papers published in this journal in the second half of 2025).