

Special Issue

Climate Change and Invasive Plants

Message from the Guest Editor

Invasive alien species are among the top five drivers of global environmental disruption, with escalating impacts at ecological, economic, and human-health levels. To address this growing challenge, the European Commission adopted Regulation No. 1143/2014, emphasizing the need for targeted management measures for widespread invasive species. The EU Biodiversity Strategy for 2030 reinforces this priority, setting an ambitious goal to reduce the spread of invasive species by 50% by 2030. However, removing invasive species from non-native habitats and restoring ecosystems are essential steps for reversing biodiversity loss, but these efforts remain challenging and resource-intensive. The interaction between global change factors—such as altered temperature, precipitation patterns, and salinity-increased CO₂ levels—and invasive species introduces complex, multidimensional effects on ecosystems, further complicating management strategies. This Special Issue welcomes submissions that explore the physiological traits and mechanisms through which global change drivers and invasive plant species interact to influence invasiveness.

Guest Editor

Dr. Maria Cristina Morais

Centre for the Research and Technology of Agro-Environmental and Biological Sciences (CITAB), University of Trás-os-Montes and Alto Douro (UTAD), 5001-801 Vila Real, Portugal

Deadline for manuscript submissions

closed (30 November 2025)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/225177

Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)