

## Special Issue

# Biodiversity of Plants and Their Use in Biomonitoring and Environmental Protection

### Message from the Guest Editors

The impact of environmental pollution on living organisms has been known for a long time. Analysis of trace elements, including heavy metals, but also polycyclic aromatic hydrocarbons and microplastics accumulated in algae, mosses, or lichens used in biological monitoring provides a wealth of information. An important element in determining the concentrations of pollutants in biological material used in biomonitoring is the proper planning of the experiment, taking into account, among other things: the means of collecting or exposure samples, the selection of analytical methods, and the means of evaluating and interpreting the results. The purpose of this special issue of *Plants* is to expand the current state of knowledge on topics related to the use of biological monitoring methods in assessing the state of environmental pollution.

---

### Guest Editors

Prof. Dr. Małgorzata Rajfur  
Institute of Biology, University of Opole, 45-032 Opole, Poland  
Dr. Paweł Świsłowski  
Institute of Biology, University of Opole, 45-032 Opole, Poland

---

### Deadline for manuscript submissions

closed (31 December 2024)



## Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/182723](https://mdpi.com/si/182723)

*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)