

Special Issue

Innovative Strategies for Managing Soilborne Pathogens and Enhancing Plant Health in Arable Crops

Message from the Guest Editors

Soilborne pathogens continue to threaten the productivity and sustainability of arable cropping systems worldwide. These include fungi, bacteria, viruses, and nematodes, which are often hard to control due to their persistence and complex soil interactions. The challenge is further intensified by the declining availability of active substances in plant protection products, limiting chemical control options. This situation highlights the urgent need for innovative, sustainable strategies based on integrated pathogen management and improved soil health. We invite contributions on:

- Crop resistance;
- Soil health and resilience;
- Biological and physical control methods;
- Advanced techniques such as RNAi and AI-based diagnostics.

We welcome interdisciplinary studies, case reports, new methodologies, and practical solutions. This Special Issue aims to showcase cutting-edge research on soilborne pathogen suppression and plant health promotion, advancing resilient and environmentally friendly arable farming systems.

Guest Editors

Dr. Beatrice Berger

Julius Kühn Institut (JKI)—Federal Research Centre for Cultivated Plants, Institute for Plant Protection in Field Crops and Grasslands, Messeweg 11/12, 38104 Braunschweig, Germany

Dr. Nazanin Zamani-Noor

Julius Kühn-Institute, Institute for Plant Protection in Field Crops and Grassland, Braunschweig, Germany

Deadline for manuscript submissions

15 January 2026



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/243024

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, 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)