

Special Issue

Plants 2025—from Seeds to Food Security

Message from the Guest Editors

This Special Issue is related to the conference “*Plants 2025: From Seeds to Food Security*”, which will be held in Barcelona, Spain, 31 March–2 April 2025. The aim of the conference is to bring together plant scientists, researchers, and experts from around the world to share cutting-edge research, foster collaboration, and explore innovative solutions for the future of agriculture and plant science. This Special Issue will align with the conference’s seven main themes, inviting submissions that explore the following key areas:

- Plant Responses to Abiotic Stress and Climate Change;
- Plant–Microbe Interactions;
- Emerging Technologies in Plant Health;
- Emerging Technologies in Plant Breeding;
- Emerging Technologies in Biotechnology and Molecular Research;
- Seed Technologies and Seed Enhancement;
- Plant Nutrition.

We welcome original research articles, reviews, and perspectives that highlight innovative approaches and advancements in plant science. Contributions highlighting the latest scientific discoveries and advances in addressing global challenges, such as increasing crop yields, improving food quality, reducing agrochemical contamination, and enhancing forest cover, are highly encouraged.

Guest Editors

Prof. Dr. Dilantha Fernando

Prof. Dr. Fermín Morales

Prof. Dr. Oscar Vicente

Deadline for manuscript submissions

closed (31 March 2026)



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Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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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

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