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## Advances in Maize Physiology

Guest Editors:

**Dr. Jun Xue**

Institute of Crop Sciences,  
Chinese Academy of Agricultural  
Sciences, Beijing 100081, China

**Dr. Si Shen**

College of Agronomy &  
Biotechnology, China Agricultural  
University, Beijing 100193, China

Deadline for manuscript  
submissions:

**closed (31 December 2024)**

### Message from the Guest Editors

Maize, a crucial crop in global agriculture, possesses remarkable adaptability and importance in sustaining food security. Understanding the intricate physiological processes governing its growth and development is essential for optimizing production and resilience in the face of environmental challenges. Maize physiology encompasses a diverse range of mechanisms governing plant growth, nutrient uptake, stress responses, and yield formation, offering valuable insights for improving agricultural practices and food production systems.

This Special Issue seeks to attract scholars to contribute reviews or research articles that explore cutting-edge research and perspectives shaping the field of maize physiology. Topics of interest include molecular mechanisms underlying maize growth, physiological responses to stresses, innovations in crop management practices, breeding strategies for resilience and nutritional quality improvement, omics technology integration, and future trends in maize physiology. We welcome submissions that offer novel insights, challenge existing paradigms, and pave the way for transformative advancements in maize physiology.



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**Special** Issue



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## Editor-in-Chief

**Prof. Dr. Dilantha Fernando**  
Department of Plant Science,  
University of Manitoba, Winnipeg,  
MB R3T 2N2, Canada

## 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.

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Plants Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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