

## Special Issue

# Towards Crops Resilience to Waterlogging

### Message from the Guest Editors

Waterlogging is a critical challenge to global agriculture, adversely affecting crop productivity by disrupting root oxygen supply and overall plant growth. The key areas of interest include agronomic practices that mitigate waterlogging effects, the role of fertilizers in supporting plant growth and recovery under and post-stress, and the use of plant growth regulators to promote crop resilience. Additionally, studies focusing on understanding the molecular mechanisms underlying crop resilience under waterlogging are highly encouraged. Research on plant physiology and metabolites, such as stomatal signaling and photosynthesis, and metabolic profiles are crucial for understanding how crops can adapt to waterlogged conditions. We invite contributions that delve into these topics, offering insights into the molecular, physiological and agronomic mechanisms that underpin crop resilience to waterlogging.

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### Guest Editors

Dr. Chenchen Zhao

Dr. Le Xu

Dr. Miing Tiem Yong

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### Deadline for manuscript submissions

closed (30 June 2025)



## Plants

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*Plants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto:plants@mdpi.com)

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### 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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### Editor-in-Chief

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

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