# **Special Issue**

# Plant Physiological and Biochemical Adaptations to Climate Change

## Message from the Guest Editors

This Special Issue aims to comprehensively explore the intricate physiological and biochemical adaptations plants employ to cope with these multifaceted environmental stressors. We invite original research and review articles that push the boundaries of current knowledge, delving into key topics such as stress signaling pathways, metabolic adjustments, photosynthetic efficiency, water-use strategies, hormonal regulation, nutrient acquisition and homeostasis, antioxidant systems, and molecular adaptations. We especially welcome contributions that integrate physiological, biochemical, and molecular approaches to elucidate plant responses at the cellular, organ, and whole-plant levels. By fostering interdisciplinary discussions and highlighting innovative strategies, this Special Issue seeks to improve plant resilience in the face of ongoing climate challenges, crucial for advancing agricultural sustainability and preserving biodiversity.

# **Guest Editors**

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# Deadline for manuscript submissions

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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, 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

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