## **Special Issue**

# Plant Fruit Development and Abiotic Stress

## Message from the Guest Editors

Abiotic stress poses a formidable challenge to plant survival, productivity, and fruit development, exerting significant pressure on global agriculture and food security. As climate change intensifies stressors like drought, salinity, extreme temperatures, and soil contamination, plants are increasingly exposed to conditions that hinder their growth, yield, and fruit quality. Fruit development, a critical phase in a plant's lifecycle, is particularly sensitive to abiotic stress, which can lead to a reduced fruit size, altered nutrient composition, and compromised quality. Understanding the complex physiological and molecular responses of plants to these stress factors is essential for developing strategies to mitigate their impact on fruit development. Recent advances in plant science have shed light on the intricate mechanisms by which plants perceive and respond to abiotic stress, especially during fruiting stages. This Special Issue emphasizes the importance of integrating physiological studies with fruit development research to devise novel strategies that bolster plant resilience and maintain fruit quality in an increasingly unpredictable climate.

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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.

### Editor-in-Chief

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