# **Special Issue**

# Photosynthesis and Respiration in Food Crops

### Message from the Guest Editor

In agricultural systems, the balance between photosynthesis and respiration is influenced by genetic factors, environmental conditions, and agronomic practices. Understanding the physiological mechanisms underlying these processes, as well as their responses to biotic and abiotic stressors, is essential for improving crop productivity and sustainability. This Special Issue aims to bring together the latest research on photosynthesis, respiration, carbon metabolism, and photoassimilate partitioning in agriculturally important crops. We invite the submission of studies that explore genetic and environmental influences on these physiological processes, innovative breeding strategies, and agronomic practices that enhance crop performance. By fostering a deeper understanding of these critical functions, we hope to contribute to the development of more resilient and high-yielding crop varieties for sustainable agriculture.

### Guest Editor

Dr. Hsiangchun Lin Department of Agronomy, National Taiwan University, Taipei, Taiwan

### Deadline for manuscript submissions

30 October 2025



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## Message from the Editor-in-Chief

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### Editor-in-Chief

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