

## Special Issue

# Physiological Traits of Plants Under Irrigation

### Message from the Guest Editors

Plants productivity, which refers to the amount of biomass generated in a given period, is influenced by several factors, including the availability of water, light, nutrients, and temperature. Irrigation is a crucial agricultural practice that aims to ensure the moisture necessary for plant growth, especially in regions where precipitation is insufficient. However, in the current context of climate change, assessing the efficiency of plants in terms of the internal processes and functions that allow them to carry out their vital activities, such as photosynthesis, respiration and the absorption of water and nutrients in agricultural systems, is a challenge. This Special Issue aims to publish recent research that characterizes the importance of irrigation in different agricultural systems, aiming to guarantee the supply of food in a changing world. We welcome empirical, modeling, and review contributions, including the integrated management of different agricultural systems, crop diversification, and management, which characterize the adaptive or physiological modeling responses of plants to the growing environment.

### Guest Editors

Dr. Sidnei Deuner  
Prof. Dr. Filipe Selau Carlos  
Dr. João Paulo Barbosa

### Deadline for manuscript submissions

closed (28 February 2025)



## Agronomy

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### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Leslie A. Weston

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