

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

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

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Editor-in-Chief

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