

Special Issue

Optimization and Innovation of Physiological Indexes in Crop Tolerance Mechanism

Message from the Guest Editors

Abiotic stress factors are a major factor in the limitation of crop yields. With the change in climate, stress factors such as temperature extremes, drought, salinity, cold, and flooding, among others, are becoming more frequent and causing severe decreases in crop production worldwide. With radical increases in the data points collected and the increasing number of devices and physiological parameters measured, it is important to search the data for predictive variables and reduce the data to form indexes that are sensitive to the physiological process that is of interest. In this Special Issue, original research articles, review articles, communications, letters, and opinions are welcome, providing insights into all related topics of interest that include the use, optimization, and formulation of new innovative indexes for sensing the effects of stressful factors and assessing the severity of single or multiple types of stresses to which crops are exposed. New indexes and optimizations of already existing indexes could spark new research interests, aid in breeding programs, and hence reduce the impact of climate change.

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Deadline for manuscript submissions

31 December 2025



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/210071

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