

Special Issue

Advances in Forage Stress Biology: Mechanisms and Adaptation Strategies

Message from the Guest Editors

Forage crops play a crucial role in global food production, since they serve as a primary source of nutrition for livestock; however, they also face numerous environmental stressors, including drought, temperature fluctuations, soil salinity, and pest infestations.

Understanding the mechanisms involved in the response, tolerance, and adaptation of forage species to these stressors is crucial to enhancing their productivity, quality, and resilience. This Special Issue aims to explore the fascinating world of the ways in which forage crops adapt and respond to environmental stresses. We welcome, therefore, contributions that explore the physiological, biochemical, molecular, and genetic aspects of stress responses in forage crops, and submissions related to the identification and characterization of stress-responsive genes, the elucidation of signaling pathways, and novel strategies for enhancing stress tolerance are especially encouraged.

Guest Editors

Prof. Dr. Peizhi Yang

Dr. Wei Zhang

Prof. Dr. Zhenfei Guo

Deadline for manuscript submissions

closed (20 June 2025)



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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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