

Special Issue

Stress Biology of Turfgrass

Message from the Guest Editors

Turfgrass is widely used for landscaping, sports turf, and ecological restoration. However, environmental stresses including abiotic and biotic stresses decrease turf quality and also increase the costs of turf maintenance. This Special Issue will be focused on physiological, metabolic, and molecular mechanisms of turfgrasses in response to abiotic stresses such as drought, heat, cold, or ionic stress (salt, aluminum, and cadmium), as well as biotic stresses including insects, parasites, viruses, fungi, or bacteria. Transgenic technology and omics studies based on ionomics, metabolomics, proteomics, or transcriptomics are important approaches to reveal adaptive response to abiotic and biotic stresses in turfgrass species. In addition, improved knowledge of turf maintenance and management in the field during environmental stress associated with new technologies and mechanisms will be included.

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Deadline for manuscript submissions

closed (31 August 2023)



Plants

an Open Access Journal
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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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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.

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