



plants



Special Issue Reprint

Stress Biology of Turfgrass

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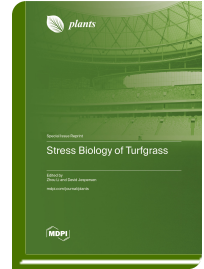
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Turfgrass is widely used for landscaping, sports turf, and ecological restoration. However, abiotic stresses decrease turf quality and also increase the costs involved in turf maintenance. This reprint focuses on research related to the physiological, metabolic, and molecular mechanisms of turfgrasses in response to drought, heat, cold, or ionic stress (salt, chromium, and cadmium). This reprint comprises a review article on salinity stress and tolerance in turfgrasses, as well as research articles covering antioxidant defense systems, water homeostasis, and ionic equilibrium in turfgrasses in response to abiotic stress, the effects of plant growth regulators in turfgrasses exposed to abiotic stress, physiological and metabolic differences affected by stress in turfgrasses, and key genes and proteins associated with stress tolerance in turfgrasses.



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