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Tree Responses to Drought

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Message from the Guest Editor

Dear Colleagues,

Drought-induced tree mortality is expected to increase in many regions under current climate change scenarios. Shifts in forest community composition and structure driven by changes in interspecific and intraspecific competition are very likely to occur, as water becomes an increasingly limiting resource in the future. Owing to the large variation in root, crown, and hydraulic architecture as well as physiological traits, trees respond to drought in various ways, with a high degree of inter- and intra-species specificity. Moreover, the environmental conditions commonly change spatially across a species' distribution range and also temporally with life stage.

This Special Issue is calling for original, innovative papers on anatomical, morphological, molecular, and physiological tree responses to drought at all levels of organization, from the seedling phase to the mature stage.

Dr. Martin K.-F. Bader

Guest Editor



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Special Issue



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