

Special Issue

Mechanisms of Adaptation of Trees and Shrubs to Dry and Hot Environments

Message from the Guest Editors

Dry and hot atmospheres, with a high vapor pressure deficit, impose conditions of extreme gradients between the plant leaf and the surrounding air, while sunny days impose a high radiation load with a negative effect in the leaf functioning. Without water to be transpired through the plant, the mechanisms to cope with these environmental conditions are limited. Woody plants, both trees and shrubs, from many plant families have been able to withstand this adverse circumstance. This Special Issue should serve to increase the knowledge of the mechanisms (physiological, morphoanatomical, phenological, etc.) that plants living in these arid and hot territories develop. Moreover, predictions about the incidence of climatic change on the synergetic effect of high temperature and aridity at a global scale will also be welcome.

Guest Editors

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