Special Issue

Juniperus Species and Climate Change: Adaptations and Potentialities

Message from the Guest Editor

In the scenario of global warming, it is interesting to study changes in plant distribution and forest adaptation in the function of genera. In this sense, the Juniperus genus comprises approximately 50 coniferous trees and shrubs species that are widely distributed throughout the temperate and subtropical regions of the Northern Hemisphere. In general, Juniper species are drought-tolerant and well adapted to extreme climates and severe impacts related to climate change (for example, forest fires). For this, fires and intense drought periods could favor their expansion. On the other hand, Juniper species can be utilized for forest restoration on poor sites with low potential productivity, such as arid and semi-arid climates. However, despite their ecological importance and their utility for forest restoration, studies of junipers are still incomplete in many respects. In addition, most of the data on evergreen perennials in semi-arid environments are based on sclerophylls and shrubs.

Guest Editor

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