Special Issue

Production in Forest Nurseries and Field Performance of Seedlings

Message from the Guest Editors

The success of the various reforestation programs (production, protection, recreation, agroforestry, combating desertification, etc.) is a major challenge which requires optimization and control of the various steps in the production chain of seedlings of high morphophysiological quality, from seed or cutting or emblings to planting. In the context of climate change, seedlings and plantations are subject to different environmental stresses and some very severe climatic extremes that negatively affect their survival and growth.

Thus, the morphophysiological quality of seedlings is one of the essential components that directly affects the success of reforestation programs. The production of quality seedlings or emblings in forest nurseries and the success of plantations are strongly linked to the selection of genetic sources (provenance, families, clones) adapted to the plantation sites, to the different cultural practices applied in the nursery, to the handling, transportation, and storage of seedlings or emblings before planting them on a reforestation site, site preparation, and silvicultural techniques.

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