

## LABORATORY DESCRIPTION

### General Information

School	Geotechnical Sciences
Department	Forest and Natural Environment Sciences

### Title of the Laboratory - Acronym

Forest Ecology -Silviculture and Landscape Architecture - Restoration

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### Head of the Laboratory

Ioannis Takos

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### Short Description

The laboratory is responsible for the organization and teaching of the following subjects:

- Forest Ecology
- Silviculture
- Urban Ecology
- Ecology
- Landscape Restoration
- Landscape architecture
- Urban Forestry

The laboratory has the necessary equipment for the teaching of the above subjects, including a classroom with the necessary multimedia tools for this purpose and a collection of samples, mainly fruits and seeds, from a wide range of forest species.

The laboratory conducts research in a wide range of topics covering a large part of the ecology and management of terrestrial ecosystems. More specifically:

- Ecology and management of forest species and ecosystems (effects of biotic and abiotic factors on forest species and ecosystems, Silvicultural activities and sustainability of forest ecosystems)
- Landscape Ecology (effect of spatial pattern on ecological processes)
- Restoration of degraded ecosystems, areas and landscapes
- Urban landscape analysis and the role of urban green in creating sustainable cities.
- Ecology and management of urban green
- Ecology of forest fires