

# *Polystichum lonchitis*

## Habitus and growth type

Plant height [m]: **0.27**

Life span: **Perennial**

Life form: **Hemicryptophyte, Geophyte**

## Leaf

Specific leaf area [mm<sup>2</sup>/mg]: **7.8**

## Flower

Flowering period: **May-September**

## Fruit, seed and dispersal

Dispersal mode: **Anemochory**

Dispersal distance class: **3**

## Trophic mode

Parasitism and mycoheterotrophy: **autotroph**

Carnivory: **non-carnivorous**

Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

## Taxon origin

Origin in Europe: **native**

## Ecology

### Environmental relationships

Substrate humidity relationship: **Mesic**

Substrate reaction relationship: **Alkaline**

Nutrient relationship: **Mesotrophic**

Salinity relationship: **Non-saline**

### Ellenberg-type indicator values

Light indicator value: **6.4**

Moisture indicator value: **5.1**

Reaction indicator value: **7.9**

Nutrient indicator value: **3.5**

Salinity indicator value: **0**

### Disturbance indicator values

Disturbance frequency: **0.11**

Disturbance frequency (herb layer): **1.01**

Disturbance severity: **0.61**

Disturbance severity (herb layer): **0.14**

Mowing frequency: **0.01**

Grazing pressure: **0.18**

Soil disturbance: **0.09**

## Habitat and sociology

### Syntaxon

Diagnostic species of phytosociological classes: [KE \(THL\) \*Thlaspietea rotundifolii\*](#)

### EUNIS habitat

Diagnostic species of EUNIS habitats: [S25 Subalpine and subarctic deciduous scrub](#),  
[T34 Temperate subalpine \*Larix\*, \*Pinus cembra\* and \*Pinus uncinata\* forest](#), [T39 Mediterranean and Balkan subalpine \*Pinus heldreichii\*-\*Pinus peuce\* forest](#)

Constant species of EUNIS habitats: [S25 Subalpine and subarctic deciduous scrub](#),  
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### Broad habitat

Occurrence in broad habitats: **Scrub, Forest, Sparsely vegetated (incl. rock and scree)**

## Distribution

Continentality amplitude: **5**