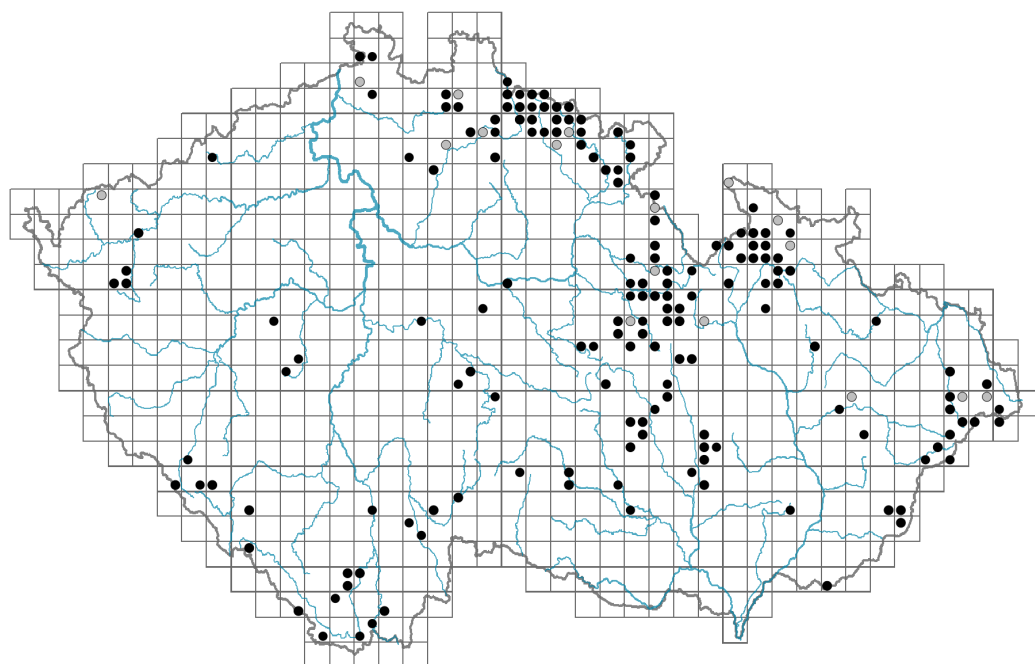


# *Asplenium viride*

## Distribution



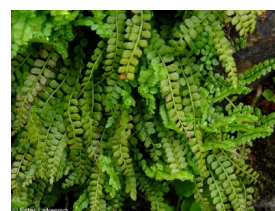
Vladimír Nejšpíleš

### Map info

● revised records

○ unrevised records

On the map are not visualized records without the coordinates and records marked as incorrect or doubtful.



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## Habitus and growth type

Height [m]: **0.05-0.2**

Growth form: **clonal herb**

Life form: **hemicryptophyte**

Life strategy: **CSR - competitor/stress-tolerator/ruderal**

Life strategy (Pierce method based on leaf traits): **R/CR**

Life strategy (Pierce method, C-score): **29.8 %**

Life strategy (Pierce method, S-score): **8.9 %**

Life strategy (Pierce method, R-score): **61.4 %**

## Leaf

Leaf presence and metamorphosis: **leaves present, not modified**

Leaf arrangement (phyllotaxis): **rosulate**

Leaf shape: **compound - imparipinnate**

Stipules: **absent**

Petiole: **present**

Leaf life span: **summer green**

Leaf anatomy: **mesomorphic**

## Flower

Flowering period [month]: **June-September**

Dicliny: **synoecious**

## Fruit, seed and dispersal

Reproduction type: **only by seed/spores**

Dispersal unit (diaspore): **spore**

Dispersal strategy: **Lycopodium (mainly anemochory)**

Myrmecochory: **non-myrmecochorous (b)**

## Belowground organs and clonality

Shoot metamorphosis: **rhizome**

Storage organ: **rhizome**

Type of clonal growth organ: **epigeogenous rhizome**

Freely dispersible organs of clonal growth: **absent**

Primary root: **absent**

Persistence of the clonal growth organ [year]: **2**

Number of clonal offspring: **0.5**

Lateral spreading distance by clonal growth [m]: **0.01**

Clonal index: **2**

### Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **5**

Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **5**

Number of buds per shoot at a depth greater than 10 cm (root buds excluded): **0**

Size of the belowground bud bank (root buds excluded): **10**

Depth of the belowground bud bank (root buds excluded) [cm]: **3**

Number of buds per shoot at the soil surface (root buds included): **5**

Number of buds per shoot at a depth of 0–10 cm (root buds included): **5**

Number of buds per shoot at a depth greater than 10 cm (root buds included): **0**

Size of the belowground bud bank (root buds included): **10**

Depth of the belowground bud bank (root buds included) [cm]: **3**

## Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**

Carnivory: **non-carnivorous**

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

## Karyology

Chromosome number (2n): **72**

Ploidy level (x): **2**

2C genome size [Mbp]: **7677.44**

1Cx monoploid genome size [Mbp]: **3838.72**

Genomic GC content: **46.2 %**

## Taxon origin

Origin in the Czech Republic: **native**



## Ecological indicator values

Ellenberg-type indicator values

Light indicator value: **4x** - transition between values 3 and 5 (generalist)

Temperature indicator value: **4** - transition between values 3 and 5

Moisture indicator value: **5** - indicator of fresh soils, focus on soils of average moisture, missing on wet and on soils that frequently dry out

Reaction indicator value: **8** - transition between values 7 and 9, occurring mostly in calcium-rich conditions

Nutrient indicator value: **3x** - occurring at nutrient-poor sites more frequently than at average sites and exceptionally at rich sites (generalist)

Salinity indicator value: **0** - not salt tolerant, glycophyte

## Habitat and sociology

Occurrence in habitats

1 Vegetation of cliffs, screes and walls

1A Calcareous cliffs: **2** - optimum

1B Siliceous cliffs and block fields: **2** - optimum

1C Walls: **1** - rare occurrence

1D Mobile calcareous screes: **1** - rare occurrence

8 Dry grasslands

8B Submediterranean dry grasslands on rock outcrops: **1** - rare occurrence

12 Forests

12L Boreo-continental pine forests: **1** - rare occurrence

12W Pine and larch plantations: **1** - rare occurrence

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **2.1** - taxon occurring both in the forest and open vegetation

Affinity to the forest environment in Mesophyticum and Oreophyticum: **2.1** - taxon occurring both in the forest and open vegetation

Diagnostic taxon

Diagnostic taxon of classes: [AC Elyno-Seslerietea](#)

Diagnostic taxon of alliances: [ACA Agrostion alpinae](#)

Diagnostic taxon of associations: [ACA01 Saxifrago oppositifoliae-Festucetum versicoloris](#)

Constant taxon

Constant taxon of classes: [AC Elyno-Seslerietea](#)

Constant taxon of alliances: [ACA Agrostion alpinae](#)

Constant taxon of associations: [ACA01 Saxifrago oppositifoliae-Festucetum versicoloris](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.4**

Ecological specialization index for non-forest vegetation: **3.6**

## Distribution and frequency

Floristic zone: **arctic, boreal, northern temperate, southern temperate,**

**submeridional, meridional**

Floristic region: **circumpolar**

Distribution range extension along the continentality gradient: **6**

Elevational belt in the Czech Republic: **colline belt, submontane belt, montane belt, subalpine belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 123

taxon.data.freq\_in\_quad: 185

**Commonness in vegetation plots from the Czech Republic**

Occurrence frequency in vegetation plots: **0 %**

Occurrence frequency in vegetation plots with a cover above 5%: **23.1 %**

Occurrence frequency in vegetation plots with a cover above 25%: **0 %**

Occurrence frequency in vegetation plots with a cover above 50%: **0 %**

Mean percentage cover in vegetation plots: **4.3 %**

Maximum percentage cover in vegetation plots: **13 %**

**Number of habitats with taxon occurrence in the Czech Republic**

Number of narrow habitats in which the taxon occurs: **7**

Number of narrow habitats in which the taxon has its optimum: **2**

Number of broad habitats in which the taxon occurs: **3**

Number of broad habitats in which the taxon has its optimum: **1**

**Threats and protection**

Red List 2017 (national categories): **C3 - vulnerable taxon**

Red List 2017 (IUCN categories): **NT - near threatened**

Legal protection: **not protected by law**