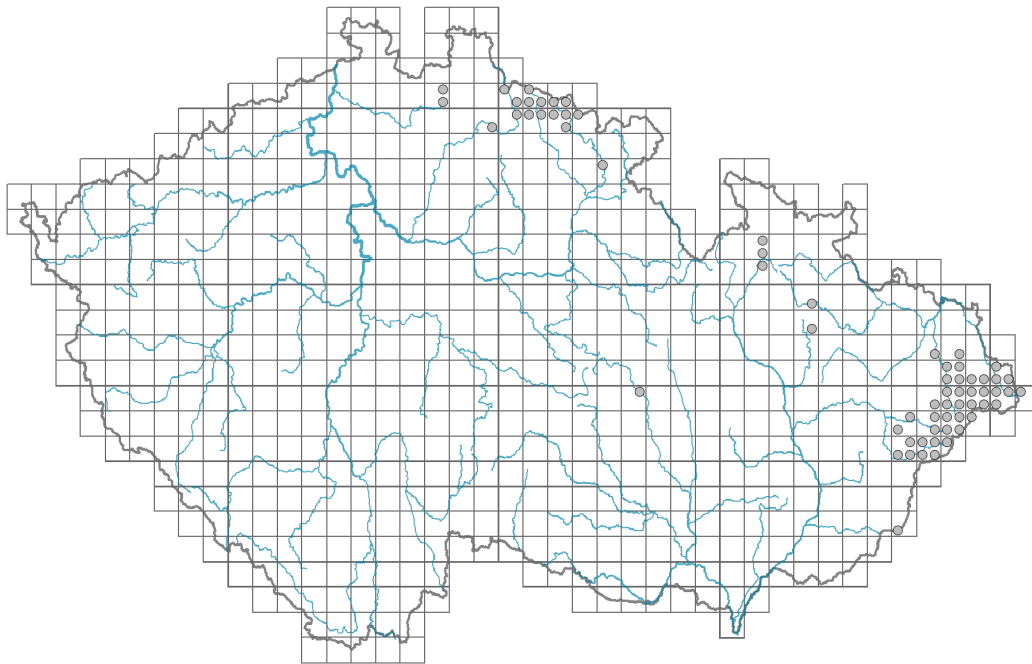


# *Petasites kablikianus*

## Distribution

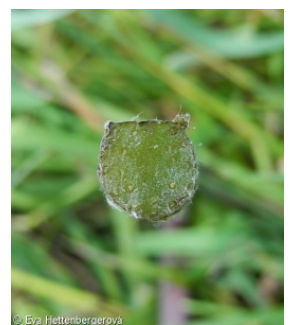


### Map info

● revised records

● unrevised records

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



## Habitus and growth type

Height [m]: **0.3-0.7**

Growth form: **clonal herb**

Life form: **hemicryptophyte (geophyte)**

## Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **both present and absent**

## Flower

Flowering period [month]: **March-May**

Flower colour: **white**

Flower symmetry: **actinomorphic**

Perianth type: **calyx reduced, corolla present**

Perianth fusion: **fused**

Shape of the sympetalous corolla or syntepalous perianth: **tubular**

Calyx fusion: **pappus**

Inflorescence type: **racemus ex anthodiis compositus, panícula ex anthodiis**

**composita**Generative reproduction type: **allogamy****Fruit, seed and dispersal**Fruit type: **dry fruit - achene/cypsela/samara**Fruit colour: **yellow, brown**Dispersal unit (diaspore): **fruit, infrutescence or its part**Dispersal strategy: **Phragmites (mainly anemochory and hydrochory)**Myrmecochory: **probably myrmecochorous nv****Trophic mode**Parasitism and mycoheterotrophy: **autotrophic**Carnivory: **non-carnivorous**Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts****Karyology**Chromosome number (2n): **60**Ploidy level (x): **2**2C genome size [Mbp]: **5368.49**1Cx monoploid genome size [Mbp]: **2684.24**Genomic GC content: **38.4 %****Taxon origin**Origin in the Czech Republic: **native****Ecological indicator values**

Ellenberg-type indicator values

Light indicator value: **7 - half-light plant, mostly occurring at full light, but also in the shade up to about 30% of diffuse radiation incident in an open area**Temperature indicator value: **4 - transition between values 3 and 5**Moisture indicator value: **7 - humidity indicator, focus on well moistened, but not wet soils**Reaction indicator value: **7 - indicator of slightly acidic to slightly basic conditions, never occurring in very acidic conditions**Nutrient indicator value: **7 - occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**Salinity indicator value: **0 - not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-1.05**Herb layer disturbance frequency indicator value: **-0.51**Whole-community disturbance severity indicator value: **0.39**Herb layer disturbance severity indicator value: **0.4**Whole-community structure based disturbance indicator value: **0.49**Herb layer structure-based disturbance indicator value: **0.52**

## Habitat and sociology

Occurrence in habitats

2 Alpine and subalpine grasslands

2B Subalpine tall-forb and tall-grass vegetation: **1 - rare occurrence**

4 Wetland and riverine herbaceous vegetation

4D Riverine reed vegetation: **1 - rare occurrence**

4J River gravel banks: **3 - dominant**

4K Petasites fringes of montane brooks: **3 - dominant**

11 Heathlands and scrub

11H Subalpine deciduous scrub: **1 - rare occurrence**

11J Willow galleries of loamy and sandy river banks: **1 - rare occurrence**

11R Scrub and pioneer woodland of forests clearings: **1 - rare occurrence**

13 Anthropogenic vegetation

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **1 - rare occurrence**

Affinity to the forest environment

Affinity to the forest environment in Thermophyticum: **0 - taxon that does not spontaneously occur in Czech forests**

Affinity to the forest environment in Mesophyticum and Oreophyticum: **0 - taxon that does not spontaneously occur in Czech forests**

Diagnostic taxon

Diagnostic taxon of alliances: [KAB \*Salicion elaeagno-daphnoidis\*](#), [XDB \*Petasion hybridi\*](#)

Diagnostic taxon of associations: [KAB01 \*Salicetum elaeagno-purpureae\*](#), [MCD03 \*Tussilagini farfarae-Calamagrostietum pseudophragmitae\*](#), [XDB02 \*Petasetum hybrido-kablikiani\*](#)

Constant taxon

Constant taxon of associations: [MCD03 \*Tussilagini farfarae-Calamagrostietum pseudophragmitae\*](#), [XDB02 \*Petasetum hybrido-kablikiani\*](#)

Dominant taxon

Dominant taxon of associations: [XDB02 \*Petasetum hybrido-kablikiani\*](#)

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.2**

Ecological specialization index for non-forest vegetation: **5.2**

Colonization ability

Index of colonization success (ICS): **1**

Index of colonization potential (ICP): **1**

## Distribution and frequency

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

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 33

taxon.data.freq\_in\_quad: 66

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **0.1 %**

Occurrence frequency in vegetation plots with a cover above 5%: **54.1 %**

Occurrence frequency in vegetation plots with a cover above 25%: **35.1 %**

Occurrence frequency in vegetation plots with a cover above 50%: **18.9 %**

Mean percentage cover in vegetation plots: **22.2 %**

Maximum percentage cover in vegetation plots: **88 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **8**

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

Number of broad habitats in which the taxon occurs: **4**

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

### **Threats and protection**

Red List 2017 (national categories): **C4a - near threatened taxon**

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

Legal protection: **not protected by law**