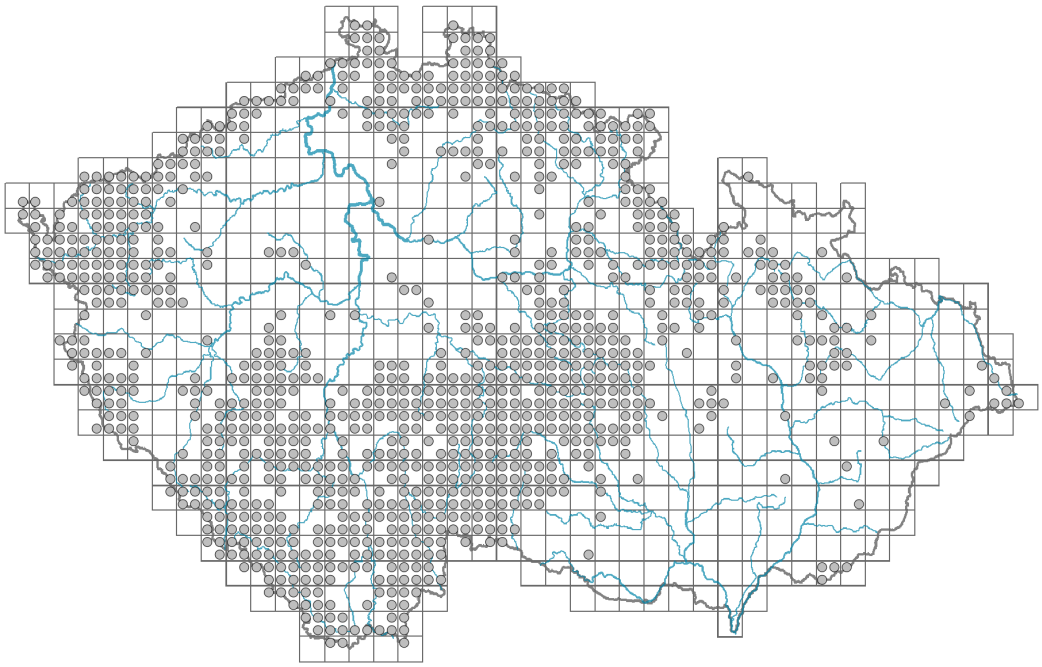
Juncus filiformis

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]: **0.15–0.45**
Growth form: **clonal herb**
Life form: **hemicryptophyte**
Life strategy: **CSR – competitor/stress-tolerator/ruderal**
Life strategy (Pierce method based on leaf traits): **S/CS**
Life strategy (Pierce method, C-score): **34 %**
Life strategy (Pierce method, S-score): **65.4 %**
Life strategy (Pierce method, R-score): **0.6 %**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **alternate**
Leaf shape: **simple – entire**
Stipules: **absent**
Petiole: **absent**
Leaf life span: **evergreen**
Leaf anatomy: **scleromorphic, helomorphic**

Flower

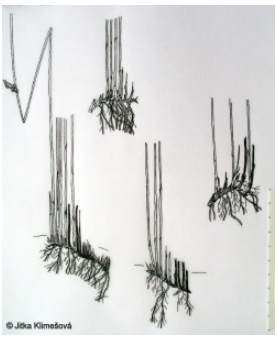
Flowering period [month]: **June–August**

Flowering phase: **6 Cornus sanguinea-Melica uniflora (start of early summer)**
Flower colour: **green**
Flower symmetry: **actinomorphic**
Perianth type: **homochlamydeous**
Perianth fusion: **free**
Inflorescence type: **anthella**
Dicliny: **synoecious**
Generative reproduction type: **mixed mating**
Pollination syndrome: **wind-pollination, selfing**

Fruit, seed and dispersal

Fruit type: **dry fruit – capsule**
Reproduction type: **mostly vegetatively, rarely by seed/spores**
Dispersal unit (diaspore): **seed**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **probably non-myrmecochorous**

Belowground organs and clonality



Shoot metamorphosis: **rhizome**
Storage organ: **rhizome**
Type of clonal growth organ: **hypogeogenous rhizome**
Freely dispersible organs of clonal growth: **absent**
Shoot life span (cyclicity): **monocyclic shoots prevailing**
Branching type of stem-derived organs of clonal growth: **sympodial**
Primary root: **absent**
Persistence of the clonal growth organ [year]: **4**
Number of clonal offspring: **2**
Lateral spreading distance by clonal growth [m]: **0.07**
Clonal index: **4**

Bud bank

Number of buds per shoot at the soil surface (root buds excluded): **4**
Number of buds per shoot at a depth of 0–10 cm (root buds excluded): **15**
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): **19**
Depth of the belowground bud bank (root buds exluded) [cm]: **4**
Number of buds per shoot at the soil surface (root buds included): **4**
Number of buds per shoot at a depth of 0–10 cm (root buds included): **15**
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): **19**
Depth of the belowground bud bank (root buds included) [cm]: **4**

Trophic mode

Parasitism and mycoheterotrophy: **autotrophic**
Carnivory: **non-carnivorous**
Symbiotic nitrogen fixation: **no nitrogen-fixing symbionts**

Karyology

Chromosome number (2n): **80**
Ploidy level (x): **4**
2C genome size [Mbp]: **923.84**
1Cx monoploid genome size [Mbp]: **230.96**
Genomic GC content: **35.2 %**

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: **8 – transition between values 7 and 9**
Reaction indicator value: **3 – acidity indicator, occurring mainly in acidic conditions, exceptionally in neutral conditions**
Nutrient indicator value: **3 – occurring at nutrient-poor sites more frequently than at average sites and exceptionally at rich sites**
Salinity indicator value: **0 – not salt tolerant, glycophyte**

Indicator values for disturbance

Whole-community disturbance frequency indicator value: **-0.87**
Herb layer disturbance frequency indicator value: **-0.63**
Whole-community disturbance severity indicator value: **0.23**
Herb layer disturbance severity indicator value: **0.26**
Whole-community structure based disturbance indicator value: **0.57**
Herb layer structure-based disturbance indicator value: **0.7**

Habitat and sociology

Occurrence in habitats

2 Alpine and subalpine grasslands

2A Alpine grasslands on siliceous bedrock: **1 – rare occurrence**
2B Subalpine tall-forb and tall-grass vegetation: **1 – rare occurrence**

3 Aquatic vegetation

3C Macrophytic vegetation of oligotrophic lakes and pools: **1 – rare occurrence**

4 Wetland and riverine herbaceous vegetation

4G Tall-sedge beds: **2 – optimum**
4H Vegetation of low annual hygrophilous herbs: **1 – rare occurrence**

5 Vegetation of springs and mires

5B Lowland to montane soft-water springs: **1 – rare occurrence**
5C Alpine and subalpine soft-water springs: **1 – rare occurrence**
5E Acidic moss-rich fens and peatland meadows: **2 – optimum**
5F Transitional mires: **2 – optimum**

5G Raised bogs: **1 – rare occurrence**
5H Wet peat soils and bog hollows: **1 – rare occurrence**

6 Meadows and mesic pastures

6B Montane mesic meadows: **1 – rare occurrence**
6C Pastures and park grasslands: **1 – rare occurrence**
6D Alluvial meadows of lowland rivers: **1 – rare occurrence**
6E Wet Cirsium meadows: **2 – optimum**
6F Intermittently wet Molinia meadows: **2 – optimum**
6G Vegetation of wet disturbed soils: **1 – rare occurrence**

7 Acidophilous grasslands

7A Subalpine and montane acidophilous grasslands: **2 – optimum**
7B Submontane Nardus grasslands: **1 – rare occurrence**

10 Saline vegetation

10I Inland saline meadows: **1 – rare occurrence**

11 Heathlands and scrub

11A Dry lowland to subalpine heathlands: **1 – rare occurrence**
11D Subalpine acidophilous Pinus mugo scrub: **1 – rare occurrence**
11H Subalpine deciduous scrub: **1 – rare occurrence**
11I Willow carrs: **1 – rare occurrence**

12 Forests

12Q Peatland birch forests: **1 – rare occurrence**
12R Acidophilous spruce forests: **1 – rare occurrence**

13 Anthropogenic vegetation

13F Herbaceous vegetation of forests clearings and Rubus scrub: **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 associations: **RBD04 *Polytricho communis-Molinietum caeruleae***, **TDF03 *Angelico sylvestris-Cirsietum palustris***

Constant taxon

Constant taxon of associations: **MCG04 *Comaro palustris-Caricetum cespitosae***, **RBD04 *Polytricho communis-Molinietum caeruleae***, **TDF03 *Angelico sylvestris-Cirsietum palustris***

Dominant taxon

Dominant taxon of associations: **RBD03 *Carici echinatae-Sphagnetum***, **RBD04 *Polytricho communis-Molinietum caeruleae***, **TDF03 *Angelico sylvestris-Cirsietum palustris***, **TDF04 *Crepido paludosae-Juncetum acutiflori***

Ecological specialization indices

Ecological specialization index for all vegetation types: **5.7**
Ecological specialization index for non-forest vegetation: **5.8**
Ecological specialization index for forest vegetation: **5.8**

Colonization ability

Index of colonization success (ICS): **5**

Index of colonization potential (ICP): **3**
Optimum successional age [years]: **12**

Distribution and frequency

Floristic zone: **boreal, northern temperate, southern temperate, submeridional**
Floristic region: **circumpolar**
Continentality degree: **6**
Distribution range extension along the continentality gradient: **5**
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: 409
taxon.data.freq_in_quad: 1038

Commonness in vegetation plots from the Czech Republic

Occurrence frequency in vegetation plots: **1.6 %**
Occurrence frequency in vegetation plots with a cover above 5%: **25.2 %**
Occurrence frequency in vegetation plots with a cover above 25%: **7.7 %**
Occurrence frequency in vegetation plots with a cover above 50%: **3.1 %**
Mean percentage cover in vegetation plots: **7.8 %**
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: **27**
Number of narrow habitats in which the taxon has its optimum: **6**
Number of broad habitats in which the taxon occurs: **10**
Number of broad habitats in which the taxon has its optimum: **4**

Threats and protection

Red List 2017 (national categories): **taxon is not on the Red List**
Red List 2017 (IUCN categories): **LC(NA) – least concern (taxon is not on the Red List)**
Legal protection: **not protected by law**