Galium rivale

Distribution

Map info

● *revised records*

○ *unrevised records*

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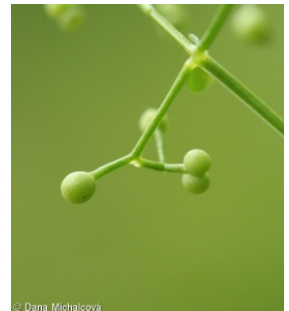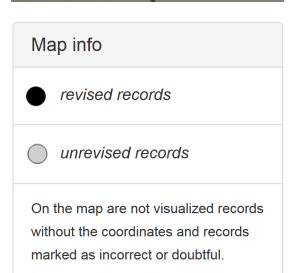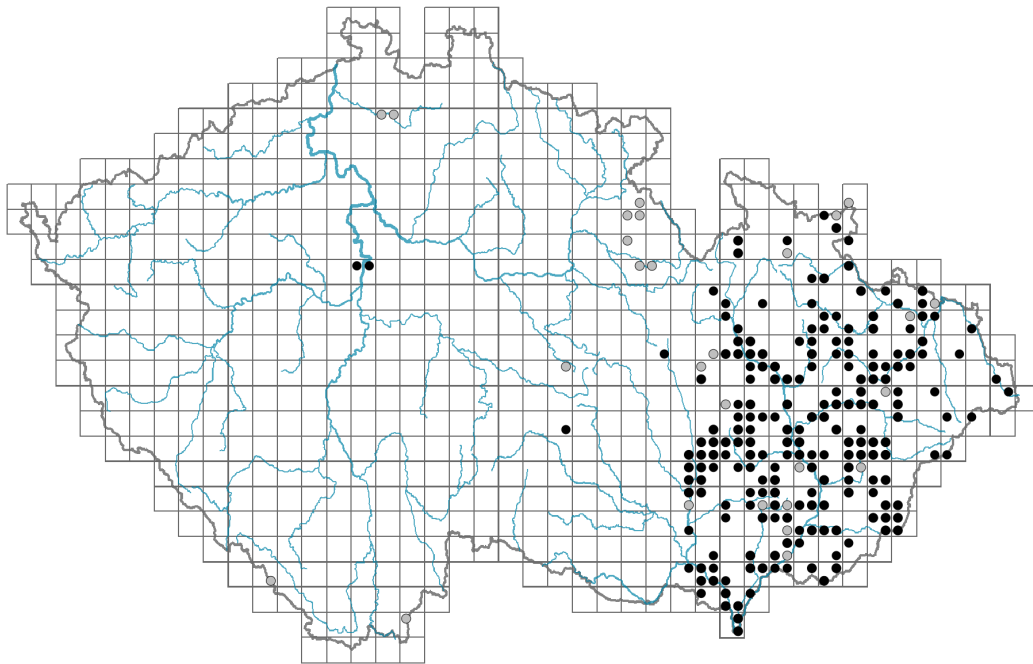

Habitus and growth type

Height [m]: **0.4-1.3**
Growth form: **clonal herb**
Life form: **hemicryptophyte**

Leaf

Leaf presence and metamorphosis: **leaves present, not modified**
Leaf arrangement (phyllotaxis): **verticillate**
Leaf shape: **simple – entire**
Stipules: **present**
Petiole: **absent**

Flower

Flowering period [month]: **June–July**
Flower colour: **white**
Flower symmetry: **actinomorphic**
Perianth type: **calyx absent, corolla present**
Perianth fusion: **fused**
Shape of the sympetalous corolla or syntepalous perianth: **funnel-shaped**
Inflorescence type: **panicula e dichasiis composita**
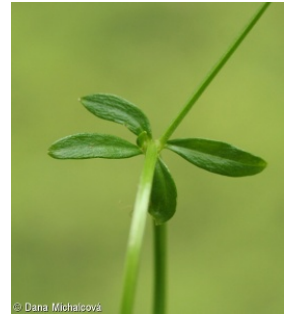
Fruit, seed and dispersal

Fruit type: **dry fruit – pair of nutlets**
Fruit colour: **brown**
Dispersal unit (diaspore): **fruit, infrutescence or its part**
Dispersal strategy: **Allium (mainly autochory)**
Myrmecochory: **non-myrmecochorous (b)**

Trophic mode

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

Karyology

Chromosome number (2n): **66 (22, 44)**
Ploidy level (x): **6 (2, 4)**
2C genome size [Mbp]: **3034.02**
1Cx monoploid genome size [Mbp]: **505.67**
Genomic GC content: **40.1 %**

Taxon origin

Origin in the Czech Republic: **native**

Ecological indicator values

Ellenberg-type indicator values
Light indicator value: **6 – transition between values 5 and 7; rarely at less than 20% of diffuse radiation incident in an open area**
Temperature indicator value: **6 – transition between values 5 and 7**
Moisture indicator value: **8 – transition between values 7 and 9**
Reaction indicator value: **6 – transition between values 5 and 7**
Nutrient indicator value: **6 – transition between values 5 and 7**
Salinity indicator value: **0 – not salt tolerant, glycophyte**
Indicator values for disturbance
Whole-community disturbance frequency indicator value: **-0.46**
Herb layer disturbance frequency indicator value: **-0.46**
Whole-community disturbance severity indicator value: **0.29**
Herb layer disturbance severity indicator value: **0.33**
Whole-community structure based disturbance indicator value: **0.65**
Herb layer structure-based disturbance indicator value: **0.73**

Habitat and sociology

Occurrence in habitats
4 Wetland and riverine herbaceous vegetation
4D Riverine reed vegetation: **1 – rare occurrence**

4G Tall-sedge beds: **1 – rare occurrence**

4I Vegetation of nitrophilous annual hygrophilous herbs: **1 – rare occurrence**

4J River gravel banks: **1 – rare occurrence**

4K Petasites fringes of montane brooks: **1 – rare occurrence**

4L Nitrophilous herbaceous fringes of lowland rivers: **2 – optimum**

6 Meadows and mesic pastures

6D Alluvial meadows of lowland rivers: **1 – rare occurrence**

6E Wet Cirsium meadows: **1 – rare occurrence**

11 Heathlands and scrub

11J Willow galleries of loamy and sandy river banks: **2 – optimum**

12 Forests

12B Alluvial forests: **1 – rare occurrence**

13 Anthropogenic vegetation

13E Perennial nitrophilous herbaceous vegetation of mesic sites: **2 – optimum**

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**

Ecological specialization indices

Ecological specialization index for all vegetation types: **4.3**

Ecological specialization index for non-forest vegetation: **4.5**

Colonization ability

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

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

Distribution and frequency

Elevational belt in the Czech Republic: **lowlands, colline belt, submontane belt**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 135

taxon.data.freq_in_quad: 238

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%: **11.8 %**

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: **3.6 %**

Maximum percentage cover in vegetation plots: **18 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **11**

Number of narrow habitats in which the taxon has its optimum: **3**

Number of broad habitats in which the taxon occurs: **5**

Number of broad habitats in which the taxon has its optimum: **3**

Threats and protection

Red List 2017 (national categories): **C4a – near threatened taxon**
Red List 2017 (IUCN categories): **LC – least concern**
Legal protection: **not protected by law**