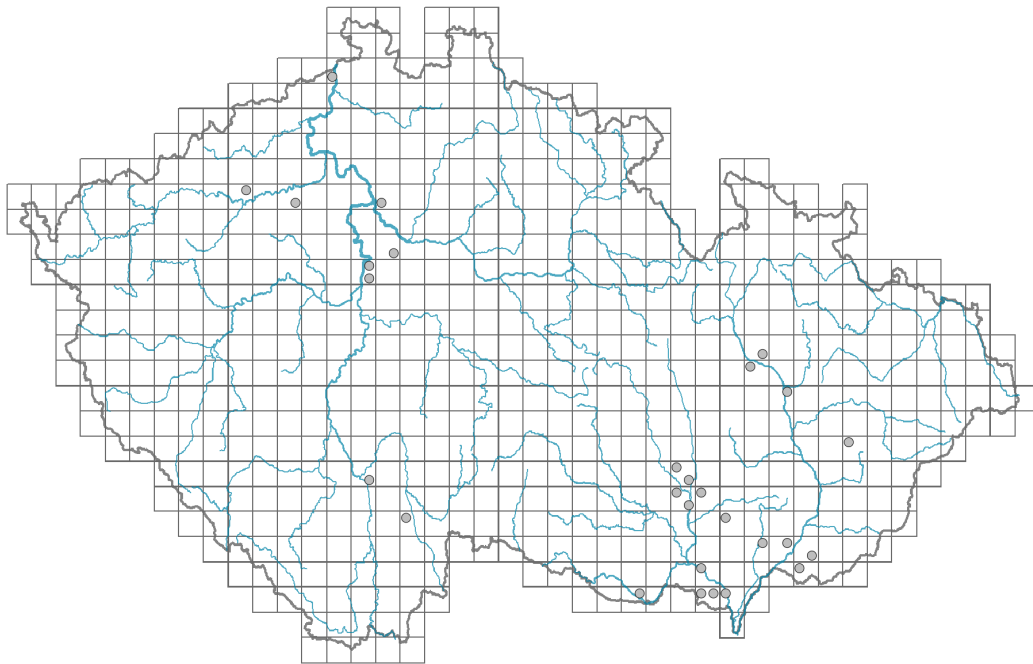


# *Portulaca grandiflora*

## Distribution

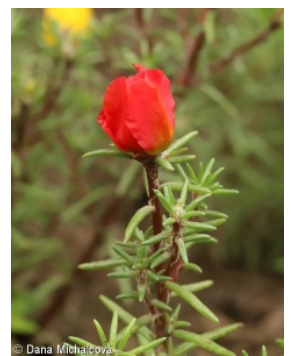


### Map info

● 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]: **0.05-0.3**

Growth form: **annual herb**

Life form: **therophyte**

Life strategy (Pierce method based on leaf traits): **S**

Life strategy (Pierce method, C-score): **4.9 %**

Life strategy (Pierce method, S-score): **81.7 %**

Life strategy (Pierce method, R-score): **13.4 %**

## Leaf

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

Leaf arrangement (phyllotaxis): **alternate**

Leaf shape: **simple - entire**

Stipules: **absent**

Petiole: **present**

## Flower

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

Flower colour: **white, yellow, orange, red**

Flower symmetry: **actinomorphic**

Perianth type: **homochlamydeous**

Perianth fusion: **free**  
Inflorescence type: **fasciculus**  
Generative reproduction type: **autogamy**

## **Fruit, seed and dispersal**

Fruit type: **dry fruit - capsule**  
Dispersal unit (diaspore): **seed**  
Dispersal strategy: **Allium (mainly autochory)**  
Myrmecochory: **myrmecochorous**

## **Trophic mode**

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

## **Taxon origin**

Origin in the Czech Republic: **neophyte**  
Invasion status: **casual**  
Geographic origin: **South America**  
Year of the first record in the wild: **1937**  
Period of introduction: **Late Modern Period (1800-1950)**  
Introduction pathway: **intentional - ornamental**

## **Ecological indicator values**

### **Ellenberg-type indicator values**

Light indicator value: **9 - full light plant, occurring only in fully irradiated places, not at less than 50% of diffuse radiation incident in an open area**  
Temperature indicator value: **8 - transition between values 7 and 9**  
Moisture indicator value: **4 - transition between values 3 and 5**  
Reaction indicator value: **6 - transition between values 5 and 7**  
Nutrient indicator value: **7 - occurring at nutrient-rich sites more often than at average sites and only exceptionally at poor sites**  
Salinity indicator value: **1 - salt tolerant, mostly on low-salt to salt-free soils, but occasionally on slightly salty soils**

## **Habitat and sociology**

### **Occurrence in habitats**

#### **13 Anthropogenic vegetation**

13A Annual vegetation of ruderal habitats: **1 - rare occurrence**  
13C Annual vegetation of trampled habitats: **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**

### **Distribution and frequency**

Occurrence frequency in the basic grid mapping cells and quadrants of the basic grid mapping cells: 24

taxon.data.freq\_in\_quad: 28

Commonness in vegetation plots from the Czech Republic

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

Occurrence frequency in vegetation plots with a cover above 5%: **0 %**

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: **1 %**

Maximum percentage cover in vegetation plots: **1 %**

Number of habitats with taxon occurrence in the Czech Republic

Number of narrow habitats in which the taxon occurs: **2**

Number of narrow habitats in which the taxon has its optimum: **0**

Number of broad habitats in which the taxon occurs: **1**

Number of broad habitats in which the taxon has its optimum: **0**

### **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**