

## ***Hieracium alpinum* subsp. *augusti-bayeri* ZLATNÍK in the Munții Rodnei Mts. – an interesting taxon in the flora of Romania.**

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ABSTRACT: *Hieracium alpinum* subsp. *augusti-bayeri* ZLATNÍK was found during a botanical excursion in July 1997 with my colleague Dr. P. TURIS in the Munții Rodnei Mountains, Romanian East Carpathians. Although already reported from Romania, up to then no precise locality for this subspecies had been recorded.

KEYWORDS: *Hieracium*, *Hieracium alpinum*, Carpathians, Romania, distribution.

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*Hieracium alpinum* subsp. *augusti-bayeri* represents a special morphological type of *Hieracium alpinum*, from which it differs by the total absence of simple eglandular trichomes. The plants have only glandular and stellate trichomes on the peduncles, and glandular trichomes on the involucre bracts.

*Hieracium alpinum* subsp. *augusti-bayeri* was described by ZLATNÍK in 1932 (ZLATNÍK 1932) from a few localities of the Subcarpathia (formerly part of Czechoslovakia), today the Ukrainian East Carpathians. This taxon was for a long time overlooked in composite works (floras, keys) devoted to the flora of the Ukrainian Carpathians (cf. CHOPYK 1976, 1977; JUXIP 1960). Based on the study of herbarium specimens the currently known distribution of *Hieracium alpinum* subsp. *augusti-bayeri* included the Gorgany, Svydovets' and Chornohora Mts. in

the Ukrainian East Carpathians (CHRTEK 1997). In the Flora of Romania this subspecies is treated at variety level as *Hieracium alpinum* var. *augusti-bayerii* (ZLATNÍK) BORZA and recorded „În Maramureş (Prod.)“ [in the Maramureş Mts] without any further details about the source of this record (NYÁRÁDY 1966: 439).

The new locality for this subspecies is situated on the northern slope of the glacial cirque containing lake „Lala,, below Mt. Inăul (Ineu) (2280 m a.s.l.) (Munții Rodnei). Small numbers of *Hieracium alpinum* subsp. *augusti-bayeri* grow here on open stony soil with a thin vegetation cover (*Hieracium alpinum* s. str., *Salix herbacea*, *Luzula alpino-pilosa*, *Juncus trifidus*) on the right side of a small stream at 1700 m a.s.l. The community could be evaluated as *Luzuletum alpino-pilosae* BR.-BL. 1926 (cf. COLDEA 1997). Voucher specimens are deposited in the herbarium SAV (Institute of Botany, Slovak Academy of Sciences, Bratislava). Fig. 1. shows the distribution of *Hieracium alpinum* subsp. *augusti-bayerii*.

The subspecies studied is diploid ( $2n=18$ ), sexual and allogamous like *Hieracium alpinum* s. str. from the Ukrainian East Carpathians (CHRTEK 1997). The mode of reproduction causes great intra- and interpopulation variation in the morphological characters, as is evidenced by the existence of two different subspecies by (subsp. *alpinum* and subsp. *augusti-bayeri*) and an intermediate type (with scattered simple eglandular hairs) treated as *Hieracium alpinum* var. *subglabrum* SCHUR (CHRTEK 1997). For this reason I use the subspecies rank for *Hieracium alpinum* subsp. *augusti-bayeri*. CHRTEK (CHRTEK & MARHOLD 1996) believes the plant should be treated at the species level - *Hieracium augusti-bayeri* (ZLATNÍK) CHRTEK jun.

It appears that *Hieracium alpinum* var. *subglabrum* is of hybrid origin from the two clearly distinct subspecies mentioned above and it grows together with them in the same localities. While *Hieracium alpinum* var. *subglabrum* occurs in the southern and eastern Carpathians (see synonymy of *Hieracium alpinum* var. *subglabrum* in CHRTEK 1997) it is probable that *Hieracium alpinum* subsp. *augusti-bayeri* will be found in other localities in the southern and eastern Carpathians in Romania.

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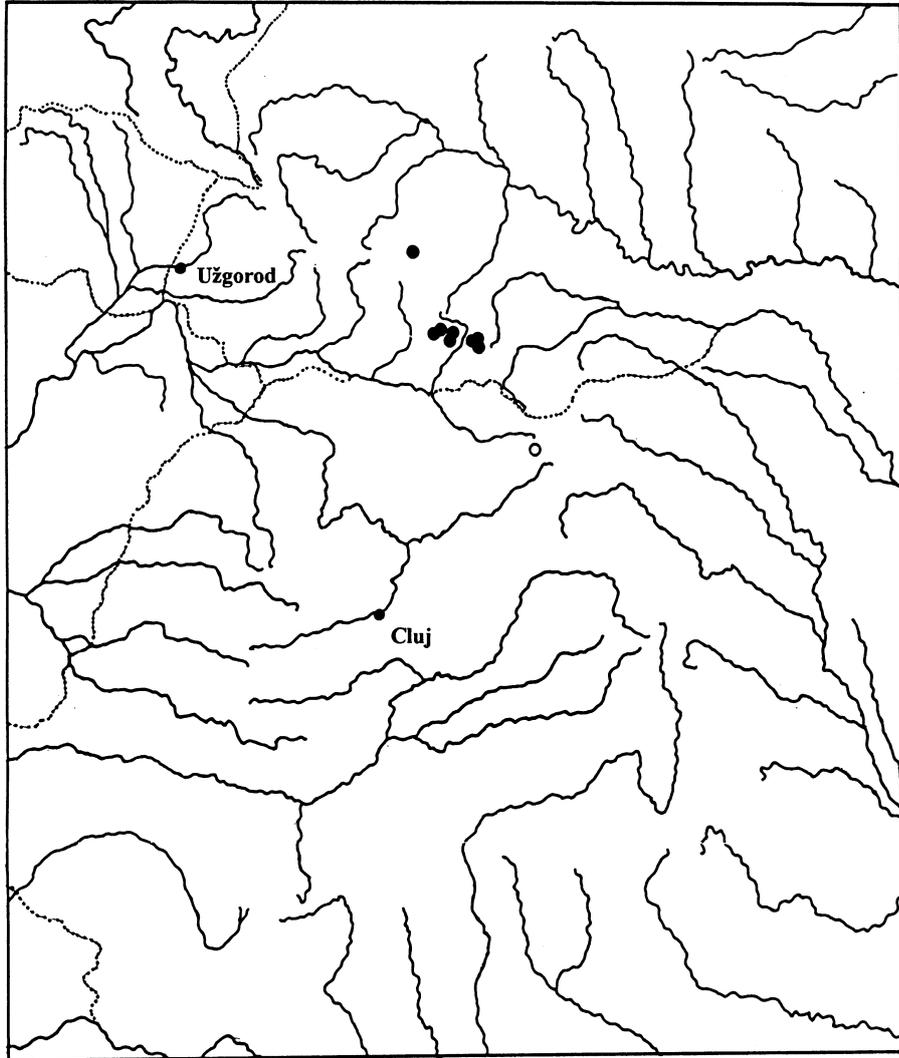


Fig. 1. Distribution of *Hieracium alpinum* subsp. *augusti-bayeri* in the East Carpathians: ● known localities in Ukraina (CHRTEK jun., 1997), ○ new locality in Romania.

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