

## SHORT COMMUNICATIONS

**New combinations and records for *Hieracium* L. and *Pilosella* Hill (*Asteraceae*) in Turkey**

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Three new combinations are presented here. Two species hitherto in *Hieracium* L. are transferred into *Pilosella* Hill and a subspecies is raised to species level in *Hieracium*. These combinations and seven other species are new records, and bring the numbers of *Hieracium* and *Pilosella* species in Turkey to 113 and 34, respectively (Sell & West, 1975; Davis *et al.*, 1988; Gottschlich *et al.*, 2000; Güner, 2000; Coşkunçelebi & Beyazoğlu, 2001). All the material was collected in NE Anatolia between 1998 and 2000 and has been deposited in the herbarium of the Department of Biology, Karadeniz Technical University (KTUB).

*New combinations and records in Hieracium L. s. str.****Hieracium ratluense*** Zahn in Feddes Repert. 4: 323 (1907).*Flowering.* July–August.*Habitat.* Meadows, *Picea* forest, stony places, 1800–2000m.*General distribution.* Caucasus Mountains. Endemic.*Specimens.* A8 Rize: Ayder, Aşağı Kavron Yaylası, 2000m, 3 viii 1998, *Coşkunçelebi* 264; A7 Trabzon: Maçka, Camiboğazi, 1800m, 25 vii 1999, *Coşkunçelebi* 208a.***Hieracium ladikense*** (Bornm. & Zahn) Coşkunçelebi & Beyazoğlu, **comb. et stat. nov.**  
Basionym: *Hieracium diaphanoides* Lindeb. subsp. *ladikense* Bornm. & Zahn in Engler, Pflanzenreich 79 (IV.280): 354 (1922).*Flowering.* July–August.*Habitat.* Alpine pastures, open areas in *Pinus* forest, 300–2000m.*General distribution.* NE Anatolia.*Specimens.* A9 Artvin: Ardanuç, Çürüşpil Mezrası, 1800m, 27 vii 1998, *Coşkunçelebi* 74, 75; A7 Trabzon: Araklı, Dağbaşı, Pazarcık to Bayburt, 1500m, 1 viii 1999, *Coşkunçelebi* 238; A8 Trabzon: Çaykara, İpsil Yaylası, 1700m, 12 vii 1999, *Coşkunçelebi* 052; A7 Gümüşhane: Tersundağı, 2000m, 1 vii 1999, *Coşkunçelebi* 247.

There is now a general consensus that the only useful infrageneric category in *Hieracium* is the species ('microspecies'), and as a result many new nomenclatural combinations have been published (Huber-Morath *et al.*, 1975; Sennikov, 1998). This change in the rank accords with this view.

The type of this species was collected by Bornmüller in 1890 from A6 Samsun: Ladik, but was omitted from the *Flora of Turkey* by Sell & West (1975).

***Hieracium jurassicum*** Griseb., *Comm. Hierac. Eur.*: 32 (1852).

Syn.: *Hieracium juranum* Fr. in *Nova Acta Regiae Soc. Sci. Upsal.* 14: 129 (1848) non Rapin (1842).

*Flowering.* July.

*Habitat.* Meadows, *Picea* forests, bare soil, 1600–1800m.

*General distribution.* Europe, mainly in the Alps.

*Specimens.* A7 Trabzon: Araklı, Dağbaşı to Pazarcık, 1600m, 13 vii 1999, *Coşkunçelebi* 177; A7 Trabzon: Maçka, Sümela to Camiboğazi, 1800m, 25 vii 1999, *Coşkunçelebi* 208.

#### *New combinations and records in Pilosella Hill*

Zahn (1921–23) recognized four subgenera in the genus *Hieracium*, two of which (subgen. *Hieracium* and subgen. *Pilosella* (Hill) Gray) are present in Turkey. However, Sell & West (1974) believe that they are best treated as genera, and did so in the *Flora of Turkey* (Sell & West, 1975). In accordance with this view, the two newly recorded *Hieracium* species below are transferred to *Pilosella*.

***Pilosella hypeurygenes*** (Zahn) Coşkunçelebi & Beyazoğlu, **comb. nov.**

Basionym: *Hieracium hypeurygenes* Zahn in *Monit. Jard. Bot. Tiflis*, 1926–27, n.s., Part 3–4: 30 (1927).

*Flowering.* June.

*Habitat.* Roadsides, 1800m.

*General distribution.* Caucasus.

*Specimens.* A8 Trabzon: Çaykara, Yaylaönü to Karastel Yaylası, 1800m, 7 vii 1998, *Coşkunçelebi* 149a.

***Pilosella grossheimii*** (Zahn) Coşkunçelebi & Beyazoğlu, **comb. nov.**

Basionym: *Hieracium grossheimii* Zahn in *Monit. Jard. Bot. Tiflis*, 1926–27, n.s., Part 3–4: 28 (1927).

*Flowering.* July.

*Habitat.* Meadows and roadsides, 1850m.

*General distribution.* Caucasus.

*Specimens.* A8 Rize: Çamlıhemşin, Sıraköy, 1850m, 5 vii 1998, *Coşkunçelebi* 151.

**Pilosella caucasica** (Nägeli & Peter) Sennik. in Bot. Zhurn. 83: 78 (1998).

Syn.: *Hieracium caasicum* Nägeli & Peter in Hierac. Mitt.-Eur. 1: 490 (1885).

*Flowering.* July.

*Habitat.* Meadows and roadsides, 1200m.

*General distribution.* Balkans to eastern Asia Minor; Armenia to Kurdistan. Endemic.

*Specimens.* A8 Artvin: Ispir to Erzurum, 1200m, 22 vi 1998, *Coşkunçelebi* 138.

**Pilosella pannoniciformis** (Litw. & Zahn) Soják in Folia Geobot. Phytax. 6: 217–219 (1971).

Syn.: *Hieracium procerigenum* Litw. & Zahn subsp. *pannoniciforme* Litw. & Zahn in Zahn Repert. Nov. Spec. 4: 191–192 (1907).

*Flowering.* June.

*Habitat.* Roadsides, 1800m.

*General distribution.* Caucasus.

*Specimens.* A7 Gümüşhane: Vavuk Dağı, Gümüşhane to Bayburt, 1800m, 3 vi 1999, *Coşkunçelebi* 167.

**Pilosella tephrocephala** (Vuk.) Soják in Folia Geobot. Phytotax. 6(2): 218 (1971).

Syn.: *Hieracium tephrocephalum* Vuk. in Hieracia Croatica 8 (1858).

*Flowering.* June.

*Habitat.* Meadows, roadsides, *Picea* forests, 1300–1950m.

*General distribution.* Balkans, Asia Minor.

*Specimens.* A8 Trabzon: Çaykara to Yaylaönü, 1950m, 7 vi 1998, *Coşkunçelebi* 148; A7 Trabzon: Düzköy to Hıdırnebi Yaylası, 1400–1500m, 1 vi 1999, *Coşkunçelebi* 164a; A7 Trabzon: Maçka to Zigana Pass, 1310m, 7 vi 1998, *Coşkunçelebi* 150.

**Pilosella hypeuryum** (Peter) Soják in Folia Geobot. Phytotax. 6: 217–219 (1971).

Syn.: *Hieracium hypeuryum* Peter in Bot. Jahrb. 5(3): 255 (1884).

*Flowering.* June–July.

*Habitat.* Roadsides, meadows, *Betula* and *Picea* forest, 1000–2200m.

*General distribution.* N Spain (Pyrénées), Italy, Balkans, Crimea, Caucasus.

*Specimens.* A8 Rize: İkizdere, 1000m, 22 vi 1998, *Coşkunçelebi* 140; A7 Trabzon: Düzköy, Hıdırnebi Yaylası, 1400m, 5 vii 1999, *Coşkunçelebi* 163; A7 Trabzon: Maçka, Sumela Manastırı to Camiboğazi, 2200m, 25 vii 1999, *Coşkunçelebi* 218; A7 Trabzon: Düzköy, Haçka Yaylası,

1650m, 22 vii 1998, *Coşkunçelebi* 194; A7 Trabzon: Çaykara, Yaylaönü to Karastel Yaylası, 1800m, *Coşkunçelebi* 149; A8 Trabzon: Çaykara, Haldizen Yaylası, 2200m, 7 vi 1998, *Coşkunçelebi* 147; A7 Giresun: Dereli, Kümbet Yaylası, 1900–2000m, 22 vi 1998, *Coşkunçelebi* 141.

***Pilosella mollicaulis*** (Vuk.) Soják in Preslia 43(2): 186 (1971).

Syn.: *Hieracium leptophyton* Nägeli & Peter in Hierac. Mitt.-Eur. 1: 642 (1885).

*Flowering.* June.

*Habitat.* Roadsides, 1650m.

*General distribution.* Central Europe, Italy, Balkans, Asia Minor.

*Specimens.* A7 Trabzon: Maçka to Zigana Pass, 1650m, 4 vi 1998, *Coşkunçelebi* 142a.

#### *Acknowledgements*

We are grateful to Günter Gottschlich for critically reading and commenting on the manuscript and to the Research Foundation of KTU and TUBITAK for financial support to carry out field work.

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DOI: 10.10M/S0960428602000136