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# Lectotypification of two Boissier's names in *Chamaemelum* (Anthemideae, Asteraceae)

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## Abstract

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Turkey appears to be a center of diversity for the genus *Tripleurospermum* Sch. Bip. (Anthemideae, Asteraceae) with c. 32 species among the c. 40 accepted species in the genus. Two Boissier's names *Chamaemelum conoclinium* Boiss. & Balansa and *Chamaemelum monticola* Boiss. & A. Huet are lectotypified and discussed.

## Keywords

*ASTERACEAE* – *Chamaemelum* – *Tripleurospermum* – Typification

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## Introduction

The genus *Tripleurospermum* Sch. Bip. (*Anthemideae*, *Asteraceae*) comprises c. 40 species (OBERPRIELER et al., 2007). Turkey appears to be the foremost center of diversity of the genus, with c. 32 taxa.

The names *Tripleurospermum conoclinium* (Boiss. & Balansa) Hayek and *T. monticola* (Boiss. & A. Huet) Bornm. are lectotypified herein. These species were originally described by BOISSIER (1856: 27; 1859: 98) within the genus *Chamaemelum* Mill. from Turkey. Scans of the two lectotypes can be found in the CHG (2021) website.

## Typification

*Tripleurospermum conoclinium* (Boiss. & Balansa) Hayek in Repert. Spec. Nov. Regni Veg. Beih. 30(2): 655. 1931.

- = *Chamaemelum conoclinium* Boiss. & Balansa in Boiss., Diagn. Pl. Orient. ser. 2, 6: 98. 1859. = *Matricaria conoclinia* (Boiss. & Balansa) Nyman, Consp. Fl. Eur.: 374. 1879.

Type: “Hab. in pascuis *Tmoli Yaïla de Bozdagh* dictis Bal. pl. exs. 1854 sub *Ch. trichophyllo*, in pratis humidis ad *Yachamichlar Keui Phrygiae* cl. Balansa 1857. Fl. Junio”.

**Lectotypus** (designated here): **TURKEY**: “Yachamichlar – Keui, à 8 km au nord d'Ouchak (Phrygie)”, 22.VI.1857, *Balansa 1279* (G-BOIS [G00743746] image!); isolecto-: G-BOIS [G00743752] image!, G [G00421036] image!, JE [JE00017342, JE00017343] images!, K [K000929400] image!, P [P00852191, P00852193] images!. **Syntypus**: **TURKEY**: “Yaïla de Bozdagh”, 17.VII.1854, *Balansa 30* (G-BOIS [G00743751] image!; isosyn-: G [G00421037] image!, BM [BM000945956-S] image!, JE [JE00017344] image!, K [K000929401, K000929402] images!, P [P00852182, P00852183, P00852192] images!, WAG [WAG0000618] image!).

*Notes.* – BOISSIER (1859: 98) listed two Balansa's collections in the protologue of the name *Chamaemelum conoclinium*, i.e., “Bozdagh dictis Bal. pl. exs. 1854” [*Balansa 30*] and “Phrygiae cl. Balansa 1857” [*Balansa 1279*]. A single specimen in G-BOIS [G00743746] bears a handwritten label with the field number 97 and identical information of *Balansa 1279* but with the annotation “Chamaemelum conoclinium sp. nov.” handwritten by Boissier. As pointed out by AL-SHEHBAZ & BARRIERA (2019: 12), in Balansa's collections it was frequent that the specimens bearing original handwritten labels were provisionally identified with a number and the duplicates distributed in printed labels with a different number. Those two specimens do therefore represent duplicates of the same collection. G00743746 is designated here as the lectotype of *C. conoclinium* because of the original label and the overall good conditions of the specimen.

*Tripleurospermum monticola* (Boiss. & A. Huet) Bornm. in Repert. Spec. Nov. Regni Veg. Beih. 89(2): 337. 1944.

- = *Chamaemelum monticola* Boiss. & A. Huet in Boiss., Diagn. Pl. Orient. ser. 2, 3: 27. 1856.

Type: “Hab. in *Armeniâ* circâ *Erzeroum* Huet du Pavillon! Calvert!”.

**Lectotypus** (designated here): **TURKEY**: “Erzeroum”, VII.1853, *Huet du Pavillon s.n.* (G-BOIS [G00764314] image!; isolecto-: K [K000929413, K000929414] images!). **Syntypi**: **TURKEY**: “Erzeroum”, 1854, *Calvert 30* (G-BOIS [G00764313] image!); “Erzeroum”, 1853, *Calvert 311* (G-BOIS [G00764316] image!).

*Notes.* – Collections by Huet du Pavillon and Calvert were cited in the protologue of the name *Chamaemelum monticola* by BOISSIER (1856: 27). Three syntypes are deposited in G-BOIS: *Calvert 30, 311* and *Huet du Pavillon s.n.* The latter specimen bears a label with Boissier's handwriting and is designated here as the lectotype of *C. monticola*. The lectotype is a 4-part specimen that unambiguously fits with the diagnostic morphological characters stated in the original description.

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