

Lectotypification of *Symphytum anatolicum* (Boraginaceae)

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Abstract: *Symphytum anatolicum* Boiss. is an endemic species in the *Flora of Turkey and the East Aegean Islands*. It was first collected by d'Urville on the island of Cos in 1820 and named *Symphytum asperrimum* d'Urv. The plant was again collected by Boissier near İzmir (Smyrna) in 1842, and described by him as *S. anatolicum* in 1844. There are 4 collections mentioned in the protologue in Boissier's *Flora Orientalis* (1879). The herbarium specimen "*Hab. in umbrosis montium circa Smyrnam*", housed in G-Boiss. Herbarium, was chosen as lectotype as it best represents the species description.

Key words: *Symphytum anatolicum*, lectotypification, Boraginaceae

Symphytum anatolicum (Boraginaceae) türünün lektotipifikasyonu

Özet: *Türkiye ve Doğu Ege Adaları Florası* için endemik bir tür olan *Symphytum anatolicum* Boiss., ilk olarak d'Urville tarafından 1820 yılında Kos adasından toplanmış ve *Symphytum asperrimum* d'Urv. olarak adlandırılmıştır. Bitki daha sonra Boissier tarafından 1842 yılında İzmir (Smyrna) yakınlarından tekrar toplanmış ve Boissier 1844 yılında *S. anatolicum* Boiss. olarak tanımlanmıştır. Boissier'in *Flora Orientalis* (1879) adlı eserinde 4 toplama kaydından bahsedilmiştir. G-Boiss. herbaryumundaki "*Hab. in umbrosis montium circa Smyrnam*" herbaryum örneği tür betimini en iyi temsil ettiği için lektotip örneği olarak seçilmiştir.

Anahtar sözcükler: *Symphytum anatolicum*, lektotipifikasyon, Boraginaceae

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Introduction

Symphytum anatolicum Boiss. was first collected by d'Urville on the island of Cos in 1820 and named *S. asperrimum* d'Urv. The plant was again collected by Boissier near Smyrna in 1842 and described by him as *S. anatolicum* in 1844. It is a renaming for the (invalid, later homonym) *S. asperrimum* d'Urv., non *S. asperrimum* M.Bieb.

S. anatolicum is differentiated from *S. longisetum* Hub.-Mor. & Wickens, which is also in the section Albida Buckn. because it possesses stamens shorter than the corolla scales. *S. anatolicum* is an endemic species in the *Flora of Turkey and the East Aegean Islands*. In the Aegean region of Turkey it grows under/with *Pinus brutia*, *Populus* sp., *Asperula* sp., and *Urtica* sp.

Typification

Symphytum anatolicum Boiss., Diagn. Ser. 1(4): 43 (1844).

=*Symphytum sicyosmum* Cand.

Ic: Pawlowski in *Fragm. Fl. Geobot. Ann. 17: Pars 1*, p. 29. (1971).

Lectotype (designated here): "*Hab. in umbrosis montium circa Smyrnam*" mai, 1942," - Boiss. G-Boiss.!

There are 4 collections mentioned in the protologue (Boissier, 1879):

- 1) *Hab. in umbrosis montium circa Smyrnam*
- 2) *Mesogi*
- 3) *Tmolo* (Boiss. & Bal. 368)
- 4) *In summis insulae Cos* (Urv)

All of these are syntypes. The 4 collections were defined under 2 subvarieties: Subvar. *albiflorum* Boiss. from West Anatolia (*Hab. in umbrosis montium circa Smyrnam*, *Tmolo*) and Subvar. *violaceum* Boiss. from the East Aegean Islands (*Mesogi*, *Summis insulae Cos*). These variants have not been mentioned in subsequent research such as Pawlowski (1971) and Wickens (1969).

"*Hab. Cos, Mesogis*" 1842 Boiss. is housed in K, CGE, and G-Boiss. "*Smyrna, Tmolus, Yaila de Bozdagh*", 1842, Boiss. & Bal. 368 is housed in K, Herb. DC, CGE, and G-Boiss. "*Hab. in insula Cos*" 1820, d'Urville *s.n.* is in K. "*Hab. in umbrosis montium circa Smyrnam*" mai, 1942, Boiss. (1) is housed in K and G-Boiss. This specimen was chosen as lectotype as it best represents the species description.

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