

A new combination and lectotypification in *Genista cinerea* group (Fabaceae)

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The new combination *Genista cinerea* (Vill.) DC. subsp. *jimenezii* (Pau) Cantó is made and *Genista murcica* Coss. is lectotypified.

Key words: *Genista*, nomenclature, taxonomy, typification

The taxonomic status and identification of *Genista murcica* Coss. and *G. jimenezii* Pau have been unclear since they were first described by Cosson (1851) and Pau (1902), respectively. These plants are distributed in the south-east of the Iberian Peninsula.

The monograph on *Genista* for *Flora Iberica* considers *G. murcica* as a synonym of *G. cinerea* (Vill.) DC., while *G. jimenezii* is given the status of species. For clarification of the differing criteria (Vicioso 1953, Cantó & Sánchez 1988, Mateo & Crespo 1990, Talavera 1999) regarding both the taxonomic status and the identification of these plants, we have to go back to the protologue and the original material. Cosson (1851) described *G. murcica* as having the back of the standard glabrous, while Pau (1902) described *G. jimenezii* as having the back of the standard sericeous. Once again I can confirm the importance of the hair-covering of the standard as a character. The type material of *G. murcica* (P!, G!), as well as new material collected by us from the type locality (UTM: 30SXH7820, MAF163965) and material collected by other authors from

the Orihuela and Callosa Mountains (MA372968, MA336243, MA58995, MA336060, MA262155) have the back of the standard glabrous. In contrast the type material of *G. jimenezii* and all the new specimens collected by us from the type locality (UTM: 30SXG6660, MAF163966) and other material from other places from Cabo de Gata to the south of the Alicante province have the back of the standard sericeous. I do not consider *G. murcica* as a synonym of *G. cinerea*, described from The Dauphiné (cf. Villars 1789: 420) (type: MHNGr.1837.28378!), due to the differential characters between them, the most important ones being: the former has flowers in short racemes and the standard glabrous or with very rare isolated hairs; the latter has flowers in clusters (“*flores axillares terni*”, cf. Villars 1779: 41) and the standard with a uniform median ridge of hairs.

I conclude that the plants described by Cosson (1851) and Pau (1902) have their own taxonomic identity and should, in accordance with the rest of the *Genista cinerea* group (cf. Cantó & Sánchez 1988, Cantó *et al.* 1997), be recognized as subspecies as follows.

Genista cinerea* (Vill.) DC. subsp. *jimenezii* (Pau) Cantó, *comb. nova

Genista jimenezii Pau, Bol. Soc. Aragonesa Ci. Nat. 1: 28. 1902.

LECTOTYPE (Talavera & Salgueiro 1999: 206): Spain. “Murcie: Carthagène, collines de El Morteral”, 31.III.1901, leg. Pr. de Jiménez” (MA474579!). OTHER TYPE MATERIAL: MA58997 (2a)! (Alcaraz 1985 *in sched.*), MA58997 (2b)! (Cantó 1988 *in sched.*).

***Genista cinerea* (Vill.) DC. subsp. *murcica* (Cosson) Cantó & M.J. Sánchez**

Candollea 43: 90. 1988. — *G. murcica* Coss., Notes Pl. Crit.: 101. 1851.

LECTOTYPE (designated here): Spain. “Rocher de S. Michel à Orihuela, 1 Mai. E. Bourgeau; Pl. D’Espagne 1850/988” P00343396!. The lectotype is the specimen measuring 40 cm in length, with root. The other smaller sample (10 cm) is an isolectotype. Other isolectotypes: P00343397!, G00012355!, G00012356!. OTHER TYPE MATERIAL: E (Talavera & Salgueiro 1999).

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References

- Cantó, P. & Sánchez, M. J. 1988: Revisión del agregado *Genista cinerea* (Leguminosae). — *Candollea* 43: 73–92.
- Cantó, P., Rivas-Martínez, S., Greinwald, R. & Rensen, I.V. 1997: Revisión de *Genista* sect. *Spartioides* Spach en la Península Ibérica y Baleares. — *Lazaroa* 18: 9–44.
- Mateo, G. & Crespo, M. B. 1990: *Claves para la Flora Valenciana*. — Promocio de Cultura Valenciana, S. A., Valencia.
- Talavera, S. 1999: *Genista* L. — In: Talavera, S., Aedo, C., Castroviejo, S., Romero Zarco, C., Sáez, L., Salgueiro, F. J. & Velayos, M. (eds.), *Flora Iberica* 7(1): 45–119. CSIC, Madrid.
- Talavera, S. & Salgueiro, F. J. 1999: Sobre el tratamiento de la tribu Cytiseae Bercht. & J. Presl (Papilioideae, Leguminosae) en “Flora Iberica”. — *Anales Jard. Bot. Madrid* 57(1): 200–218.
- Vicioso, C. 1953: Genisteas españolas. — *Bol. Inst. Forest. Invest. Exp.* 67: 3–157.
- Villars, D. 1779: *Prospectus de l’Histoire des Plantes de Dauphiné*. — Imprimerie royale, Grenoble.
- Villars, D. 1789: *Histoire des Plantes de Dauphiné* 3(1). — Chez l’auteur et les Libraires, Grenoble. Frères Perisse & Piestre de la Molière, Lyon. Prévost, Paris.