

Machaerium meridanum Meléndez (Fabaceae, Papilionoideae, Dalbergieae), a new species from Venezuela : amended key for the species identification

Autor(en): **Meléndez González, Pablo / Crespo, Manuel B.**

Objektyp: **Article**

Zeitschrift: **Candollea : journal international de botanique systématique = international journal of systematic botany**

Band (Jahr): **64 (2009)**

Heft 1

PDF erstellt am: **23.07.2024**

Persistenter Link: <https://doi.org/10.5169/seals-879193>

Nutzungsbedingungen

Die ETH-Bibliothek ist Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Inhalten der Zeitschriften. Die Rechte liegen in der Regel bei den Herausgebern.

Die auf der Plattform e-periodica veröffentlichten Dokumente stehen für nicht-kommerzielle Zwecke in Lehre und Forschung sowie für die private Nutzung frei zur Verfügung. Einzelne Dateien oder Ausdrucke aus diesem Angebot können zusammen mit diesen Nutzungsbedingungen und den korrekten Herkunftsbezeichnungen weitergegeben werden.

Das Veröffentlichen von Bildern in Print- und Online-Publikationen ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. Die systematische Speicherung von Teilen des elektronischen Angebots auf anderen Servern bedarf ebenfalls des schriftlichen Einverständnisses der Rechteinhaber.

Haftungsausschluss

Alle Angaben erfolgen ohne Gewähr für Vollständigkeit oder Richtigkeit. Es wird keine Haftung übernommen für Schäden durch die Verwendung von Informationen aus diesem Online-Angebot oder durch das Fehlen von Informationen. Dies gilt auch für Inhalte Dritter, die über dieses Angebot zugänglich sind.

Machaerium meridanum Meléndez (Fabaceae, Papilionoideae, Dalbergieae), a new species from Venezuela: amended key for the species identification

Pablo Meléndez González & Manuel B. Crespo

Abstract

MELÉNDEZ GONZÁLEZ, P. & M. B. CRESPO (2009). *Machaerium meridanum* Meléndez (Fabaceae, Papilionoideae, Dalbergieae), a new species from Venezuela: amended key for the species identification. *Candollea* 64: 89-90. In English, English and French abstracts.

The key for the identification of the species of *Machaerium* sect. *Reticulata* (Benth.) Taub., published in *Candollea* 63: 173-174, is amended with the correct data.

Résumé

MELÉNDEZ GONZÁLEZ, P. & M. B. CRESPO (2009). *Machaerium meridanum* Meléndez (Fabaceae, Papilionoideae, Dalbergieae), une nouvelle espèce du Vénézuéla: clé d'identification des espèces corrigée. *Candollea* 64: 89-90. En anglais, résumés anglais et français.

La clé d'identification des espèces de *Machaerium* sect. *Reticulata* (Benth.) Taub., publiée dans *Candollea* 63: 173-174, est présentée avec les données correctes.

Addresses of the authors: PMG: Herbario MERF, Facultad de Farmacia, Universidad de Los Andes, Apartado 5101, Mérida, Venezuela.

Email (PMG): pabmerf@ula.ve

MBC: CIBIO, Instituto de la Biodiversidad, Universidad de Alicante, Apartado 99, 03080 Alicante, Spain.

Key for identification of the Venezuelan species of *Machaerium* sect. *Reticulata* (Benth.) Taub. (sensu Rudd, 1987), and other related taxa

1. Leaflets with craspedodrome venation (secondary veins reach margins) 2
- 1a. Leaflets with camptodrome (secondary veins do not reach margins) or more commonly brochidodrome venation (secondary veins anastomose below margins) 7
2. Secondary veins irregularly straight, not arcuate, ca. 3 mm apart. Leaflet apex rounded-subacute; petiolule 0.5-1 mm long *M. capote* Dugand
- 2a. Secondary veins arcuate or subarcuate, not straight, ca. 3 mm apart. Leaflet apex rounded to acute or acuminate; petiolule 2 mm or longer 3
3. Fruit a semi-lunate drupe. Biggest leaflets ca. 9 × 4 cm 4
- 3a. Fruit a winged samara. Biggest leaflets ca. 16 × 8 cm 5
4. Leaflets 5-9, ovate-elliptic; fruit ca. 9 cm long *M. dubium* (Kunth) Rudd
- 4a. Leaflets 11-13, oblong-lanceolate; fruit 3-4 cm long *M. leiophyllum* (DC.) Benth.
5. Branchlets with minute bristles or setae. Stipules spiny, conspicuous. Flowers up to 15 mm, with pedicel 3-4 mm long *M. kegelii* Meisn.
- 5a. Branchlets unarmed. Stipules not spiny, or inconspicuous. Flowers 6-8 mm, sessile or pedicellate 6
6. Unarmed trees. Leaflets acute or subacute at the apex. The seed chamber verrucose. Flowers pedicellate 1-2 mm long *M. grandifolium* Pittier
- 6a. Climbers or sometimes tall shrubs or trees, with spiny stipules. Leaflets acuminate at the apex. The seed chamber smooth. Flower sessile *M. madeirense* Pittier
7. Fruit a semi-lunate drupe. Leaflets 5-9; secondary veins forming a 30°-35° angle with the midrib. Flowers sessile *M. inundatum* (Benth.) Ducke
- 7a. Fruit a winged samara. Leaflets 3-17 with secondary veins forming an angle of 45° with the midrib (if they form an angle of 35°, then leaflets 13-17). Flowers sessile or pedicellate 8
8. Bracteoles suborbiculate, ca. 3 mm wide. Flowers pedicellate, pedicels 0.5-1 mm. Leaflets 11-foliolate *M. meridanum* Meléndez
- 8a. Bracteoles orbiculate, ovate or lanceolate, 1-2 mm wide. Flowers sessile. Leaves 3-17-foliolate 9
9. Seed chamber strongly geniculate 10
- 9a. Seed chamber only slightly or not geniculate 15
10. Leaves 3-7-foliolate, straight at the apex 11
- 10a. Leaves 7-17, sometimes curved or sigmoidal at the apex 13
11. Wing of fruit 1.8-2 cm wide, markedly veined. Leaves 5-7-foliolate *M. acuminatum* Kunth
- 11a. Wing of fruit ca. 3 cm wide, weakly veined. Leaves 3- or 5-foliolate 12
12. Leaves 3-foliolate, asymmetric at the base and with a rostrate-curved acumen, the terminal one ovate-elliptic, not subromboid *M. latialatum* Pittier
- 12a. Leaves 5-foliolate, symmetric at the base and with a very short, not rostrate acumen; the terminal one elliptic-lanceolate, sometimes subromboid *M. truxillense* Pittier
13. Petals white. Androecium diadelphous. Leaves 13-17-foliolate, straight at the apex. Fruit glabrous or without reddish pubescence *M. amazonense* Hoehne
- 13a. Petals bluish. Androecium monadelphous. Leaves 7-13-foliolate, slightly curved or sigmoidal at the apex. Fruit with reddish pubescence 14
14. Leaves 11-13-foliolate; leaflets with a dense ferruginous velutinum on the lower surface. Wing of fruit 2-2.5 cm wide *M. tovarense* Pittier
- 14a. Leaves 7-13-foliolate; leaflets sparsely puberulous (not ferruginous) on the lower surface. Wing of fruit ca. 1.5 cm wide *M. seemannii* Seem.
15. Leaves 11-17-foliolate, pubescent beneath; apex usually acute *M. acutifolium* Vogel
- 15a. Leaflets 3-7-foliolate, both surfaces glabrous sides; apex usually acuminate 16
16. Terminal leaflet elliptic-lanceolate, subcuneate at the base; leaves 5-7-foliolate, the upper surface dull *M. guaremalense* Pittier
- 16a. Terminal leaflet ovate-elliptic, rounded to subcordate at the base; leaves 3-5-foliolate, the upper surface usually glossy 17
17. Secondary veins of leaflets 5-10 mm far from each other; leaflet base subcordate. Seed chamber of fruit slightly geniculate *M. striatum* I. M. Johnst.
- 17a. Secondary veins of leaflets up to 4 mm far from each other; leaflet base rounded. Seed chamber of fruit straight 18
18. Wing of fruit straight, abruptly acute at the apex. Flowers pedicellate, pedicels 0.5-1 mm *M. orthocarpum* Pittier
- 18a. Wing of fruit curved, rounded or gradually acute at the apex. Flowers sessile *M. arboreum* (Jacq.) Vogel (incl. *M. cultratum* Pittier)