

## (2283) Proposal to reject the name *Dolichos altissimus* (Leguminosae: Papilionoideae) thus protecting the name *Mucuna gigantea*

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(2283) *Dolichos altissimus* Jacq., Enum. Syst. Pl.: 27. Aug–Sep 1760, nom. utique rej. prop.  
Typus: non designatus.

Jacquin (Enum. Syst. Pl.: 27. 1760) mistakenly referenced the plate “Rheed. Mal. 8. t. 36” in his publication of *Dolichos altissimus* because that cited illustration represents an exclusively Paleotropical species (*Mucuna gigantea* (Willd.) DC.) while the published work is exclusively about Caribbean species. Later, Jacquin (Select. Stirp. Amer. Hist.: 203–204. 1763; Select. Stirp. Amer. Hist.: 137. 1780), while still citing the Rheed plate, included a new illustration corresponding to the species now known as *Mucuna urens* (L.) Medik. (*Dolichos urens* L.). In publishing the new combination *Mucuna altissima* (Jacq.) DC., Candolle (Prodr. 2: 405. 1825) excluded the plate “Rheed. Mal. 8. t. 36” but, as no type of *D. altissimus* had been designated, his name is necessarily based on Jacquin’s, and cannot be treated as new (Art. 48 Note 1, 48.2 of the ICN; McNeill & al. in Regnum Veg. 154. 2012).

No specimens annotated or used by Jacquin in the description of *Dolichos altissimus* were found in a search of the known repositories of Jacquin’s West Indian material (Stafleu & Cowan in Regnum Veg. 98: 407. 1979): AWH, B, BM, CGE, H, JE, K, LINN, LIV, OXF, UPS and W. Unless a specimen were to be located, the plate “Rheed. Mal. 8. t. 36” would be the obligate lectotype for *D. altissimus*, because there is no other original material.

Willdenow (Sp. Pl. 3: 1041. 1802) published the name *Dolichos giganteus* Willd., citing the same plate “Rheed. Mal. 8. t. 36” as that cited by Jacquin (l.c. 1760) for *D. altissimus*. Based on *Dolichos giganteus* Willd., Candolle (Prodr. 2: 405. 1825) published the new combination *Mucuna gigantea* (Willd.) DC. Wilmot-Dear (in Kew Bull. 39: 56. 1984) designated this plate as the lectotype of *M. gigantea* (Willd.) DC. (*D. giganteus* Willd.).

The name *Mucuna gigantea* (Willd.) DC. has been widely used by taxonomists working on Paleotropical floras (e.g., Verdcourt in

Kew Bull. 24: 235–307. 1970; in Kew Bull. 34: 521–525. 1979; Elliot & Jones, Encycl. Austral. Pl. 1: 450. 1980; Wilmot-Dear in Kew Bull. 39: 23–65. 1984; in Kew Bull. 42: 23–46. 1987; in Kew Bull. 45: 1–35. 1990; in Kew Bull. 46: 213–251. 1991; in Kew Bull. 47: 203–245. 1992; Wagner & al., Man. Flower. Pl. Hawaii 1: 688. 1990; Pullaiah & Chennaiah, Fl. Andhra Pradesh (India) 1: 301. 1993; Du Puy & al., Leguminosae Madagascar 1: 525. 2002; Nkonki & al. in Strelitzia 14: 534. 2003), whereas the name *Mucuna altissima* (Jacq.) DC. has been used only in the Neotropics as a synonym of *Mucuna urens* (L.) Medik. (Benth in Martius, Fl. Bras. 15: 170. 1859), and never in the Paleotropics. Because what appears to be the obligate lectotype of *Dolichos altissimus* Jacq. does not reflect Jacquin’s intent, as later demonstrated by the same author in his more detailed publications (Jacquin, l.c. 1763, 1780), we propose the rejection of the name *Dolichos altissimus* Jacq.

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