

# NEW COMBINATIONS IN *LIBIDIBIA* (DC.) SCHLTDL. AND *POINCIANELLA* BRITTON & ROSE (LEGUMINOSAE, CAESALPINIOIDEAE)

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## ABSTRACT

Phylogenetic studies based on molecular and morphological data pointed out that *Caesalpinia* L. s.l. is polyphyletic and the genus has been split in ten genera. In order to adjust the taxonomy of Brazilian taxa formerly classified in *Caesalpinia*, six new combinations are proposed here: *Libidibia ferrea* var. *leiostachya* (Benth.) L.P.Queiroz, *Poincianella marginata* (Tul.) L.P.Queiroz, *P. pluviosa* var. *cabraliana* (G.P.Lewis) L.P.Queiroz, *P. pluviosa* var. *paraensis* (Ducke) L.P.Queiroz, *P. pluviosa* var. *peltophoroides* (Benth.) L.P.Queiroz, and *P. pyramidalis* var. *diversifolia* (Benth.) L.P.Queiroz.

The genus *Caesalpinia* L. s.l. comprises almost 140 species and includes 25 generic names under its synonymy (Lewis 2005). As circumscribed, the genus is polyphyletic (Lewis & Schrire 1995; Simpson & Miao 1997; Lewis 1998; Simpsn 1998, 1999; Simpson & Lewis 2003; Simpson et al. 2003) and the genera *Coulteria* Kunth, *Erythrostemon* Klotzsch, *Guilandina* L., *Hoffmannseggia* Cav., *Libidibia* (DC.) Schltdl., *Mezoneuron* Desf., *Poincianella* Britton & Rose, *Pomaria* Cav., and *Tara* Molina were reinstated (Lewis 2005). Queiroz (2009) presented a survey of the legumes from the Caatinga and published new combinations for the native species of *Erythrostemon*, *Libidibia*, and *Poincianella*. However, the classification of the Brazilian taxa in *Caesalpinia* outside the Caatinga was not yet updated.

In order to adjust the taxonomy of the Brazilian species formerly classified in *Caesalpinia* to the current classification of the group, six new combinations are proposed here for the genera *Libidibia* and *Poincianella*.

***Libidibia ferrea* var. *leiostachya* (Benth.) L.P.Queiroz, **comb. nov.****

Basionym: *Caesalpinia ferrea* var. *leiostachya* Benth. in Mart., Fl. Bras. 15(2): 70. 1870.

***Poincianella marginata* (Tul.) L.P.Queiroz, **comb. nov.****

Basionym: *Caesalpinia marginata* Tul., Arch. Mus. Hist. Nat. 4: 147. 1844.

***Poincianella pluviosa* var. *cabraliana* (G.P. Lewis) L.P.Queiroz, **comb. nov.****

Basionym: *Caesalpinia pluviosa* var. *cabraliana* G.P.Lewis, *Caesalpinia*: Revis. *Poincianella-Erythrostemon* Group: 148. 1998.

***Poincianella pluviosa* var. *paraensis* (Ducke) L.P.Queiroz, **comb. nov.****

Basionym: *Caesalpinia paraensis* Ducke, Arch. Jard. Bot. Rio de Janeiro 4: 59. 1925.

***Poincianella pluviosa* var. *peltophoroides* (Benth.) L.P.Queiroz, **comb. nov.****

Basionym: *Caesalpinia peltophoroides*  
Benth. in Mart., Fl. Bras. 15(2): 72. 1870.

***Poincianella pyramidalis* var. *diversifolia***  
(Benth.) L.P. Queiroz, **comb. nov.**

Basionym: *Caesalpinia pyramidalis* var.  
*diversifolia* Benth. in Mart. Fl. Bras. 15(2):  
69. 1870.

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