

**NEW COMBINATIONS IN THE GENUS *SENEGALIA*
(FABACEAE: MIMOSOIDEAE)**

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ABSTRACT

Morphological and genetic differences separating the subgenera of *Acacia s.l.* and molecular evidence that the genus *Acacia s.l.* is polyphyletic necessitate transfer of the following taxa from *Acacia* subgenus *Aculeiferum* Vassal to *Senegalia*, resulting in 10 new combinations in the genus *Senegalia*: *S. grandisiliqua* (Benth.) Seigler & Ebinger, *S. guarensis* (L. Cárdenas & F. García) Seigler & Ebinger, *S. laeta* (R. Br. ex Benth.) Seigler & Ebinger, *S. lowei* (L. Rico) Seigler & Ebinger, *S. polyacantha* (Willd.) Seigler & Ebinger, *S. riograndensis* (Atahuachi & L. Rico) Seigler & Ebinger, and *S. skleroxyla* (Tussac) Seigler & Ebinger. Two new combination and new status changes are necessary: *S. latifoliola* (Kuntze) Seigler & Ebinger, **comb. et stat. nov.** and *S. rhytidocarpa* (L. Rico) Seigler & Ebinger, **comb. et stat. nov.** A lectotypification is made for *Acacia grandisiliqua* Benth. One new name was required: *S. stenocarpa* Seigler & Ebinger, **nom. nov.** *Phytologia* 91(1): 26-30, (April, 2009).

KEY WORDS: *Acacia sensu lato*, Fabaceae, Mimosoideae, *Senegalia*.

Morphological and genetic differences separating the subgenera of *Acacia s.l.* and molecular evidence that the genus *Acacia s.l.* is polyphyletic necessitate recognition of segregate genera and

transfer of many *Acacia* species to these genera. A large number of species of *Acacia* subgenus *Aculeiferum* Vassal must be referred to *Senegalia* Rafinesque.

Taxonomic Changes

For the following 10 taxa, this results in new combinations, changes in status and a new name in the genus *Senegalia*:

1. **SENEGALIA GRANDISILQUA** (Benth.) Seigler & Ebinger, **comb. nov.** Basionym: *Acacia grandisilqua* Benth. London J. Bot. 1: 518. 1842. Bentham equated this taxon with *Mimosa grandisilqua* Vell., Fl. flumin. 11: (t. 37). 1790 [1831]. nom. nud. and made a nom. nov. based on the type specimens below. – TYPE: BRAZIL. BAHIA: *C. F. P. von Martius 1098* [lectotype, designated here: K (photo F)]; [paratypes: *Lushnath 145* (K, MO); *C. F. P. von Martius 1104* (K?)].
2. **SENEGALIA GUARENSIS** (L. Cárdenas & F. García) Seigler & Ebinger, **comb. nov.** Basionym: *Acacia guarensis* L. Cárdenas & F. García, Ernstia 10: 146. 2000. – TYPE: VENEZUELA: Territorio Federal Amazonas. Cuenca del Río Manapiare, selva alta, a media hora de camino desde el poblado de Guara en dirección SE, en la pica hacia el Caño Garrafón, alt. 140 m, 5° 15' N, 66° 03' W, 28 Jan 1977, *O. Huber 429/3435* (holotype: VEN 307571).
3. **SENEGALIA LAETA** (R. Br. ex Benth.) Seigler & Ebinger, **comb. nov.** Basionym: *Acacia laeta* R. Br. ex Benth., London J. Bot. 1: 508. 1842. – TYPE: ETHIOPIA: prope montes Tarnta, *H. Salt 82* (holotype: BM; isotypes: MO, NY).
4. **SENEGALIA LATIFOLIOLA** (Kuntze) Seigler & Ebinger, **comb. et stat. nov.** Basionym: *Acacia riparia* Kunth var. *latifoliola* Kuntze, Revis. gen. pl. 3(2): 47. 1898. – TYPE: BRAZIL. MATO GROSSO: *O. Kuntze s.n.* (holotype: NY).

5. **SENEGALIA LOWEI** (L. Rico) Seigler & Ebinger, **comb. nov.** Basionym: *Acacia lowei* L. Rico, Amer. Sp. *Acacia* 114. 2007. – TYPE: Probably from Brazil, but based on a specimen cultivated in Madeira; [lectotype, Rico-Arce (2007): original drawing for plate 3366 (M. Young, K-library)].
6. **SENEGALIA POLYACANTHA** (Willd.) Seigler & Ebinger, **comb. nov.** Basionym: *Acacia polyacantha* Willd., Sp. pl. 4: 1079. 1806. – TYPE: No type cited, habitat in India orientali, *Roxburgh s.n.* [holotype: B-Willd.; isotype: (fragment K)].
7. **SENEGALIA RHYTIDOCARPA** (L. Rico) Seigler & Ebinger **comb. et stat. nov.** Basionym: *Acacia polyphylla* DC. var. *rhytidocarpa* L. Rico, Anales Jard. Bot. Madrid 63: 28. fig. 1. 2006. – TYPE: BOLIVIA. BENI: Provincia Ballivian, km 35 carretera Yucumo-Rurrenabaque, Colegio Técnico Agropecuario, río Colorado, 67° 05' W, 14° 50' S, *D. N. Smith et al. 13586* (holotype: LPB; isotypes: G, K, MO).
8. **SENEGALIA RIOGRANDENSIS** (Atahuachi & L. Rico) Seigler & Ebinger, **comb. nov.** Basionym: *Acacia riograndensis* Atahuachi & L. Rico. Kew Bull. 62: 605. 2007. – TYPE: BOLIVIA. COCHABAMBA: Provincia Campero, Pasorapa, en la bajada de Buena Vista hacia el Río Grande, 27 Dec 2004, *J. R. I. Wood, M. Atahuachi & M. Mercado 21251* (holotype: BOLV; isotypes: K, LPB).
9. **SENEGALIA SKLEROXYLA** (Tussac) Seigler & Ebinger, **comb. nov.** Basionym: *Acacia skleroxyla* Tussac, Fl. Antill. 1: 146. (pl. 21). 1808 [1808-1813]. – TYPE: Antilles. Santo Domingo [holotype: pl. 21 from Tussac (1808); isotype: K (Rico-Arce 2007)].

10. **SENEGALIA STENOCARPA** Seigler & Ebinger, **nom. nov.**
Basionym: *Acacia stenocarpa* Malme, Ark. Bot. 23A(13): 46. 1931.
nom. illeg. non Richard (1847). – TYPE: BRAZIL. MATO GROSSO:
Corumbá, in silva satis clara regionis calcariae, 19 Dec 1902, G. O. A.
Malme 2731 [lectotype, Seigler et al. (2006): S] [paratype: *Malme*
2731a (S)].

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