***Senegalia rugata*** (Lam.) Britton & Rose *N. Amer. Fl.* 23(2):120 (1928)

**Name Status:** Accepted Name

**Notes:** Maslin et al. (2013: 41 & 2019: 439): As discussed by Nielsen (1980: 349) the entities described as A. rugata and A. concinna have at times been treated as separate species or as varieties of the one species, but he considered that they are conspecific and correctly applied the name A. concinna to the combined entity. Under Senegalia, however, the correct name for this entity is S. rugata. It is regrettable that the well-known epithet concinna must be replaced, however, it may possibly be reinstated in the future if studies show that it is best to recognize two taxa for what is here called S. rugata. Nielsen (1985: 12 & 1992: 49) misinterpreted Acacia psuedointsia auctt. and therefore regarded it as conspecific with A. concinna (it is conspecific with S. kekapur). A detailed treatment of this species in China is presented in Maslin et al. (2019: 437-443). In past Chinese literature, Senegalia rugata had most often been called Acacia concinna but its circumscription was commonly confounded with that of A. sinuata. Although the name A. sinuata is now treated as synonymous with S. rugata, the entity described in China in the past under A. sinuata commonly included elements of both S. rugata and S. prominens (see Maslin et al 2019 for discussion). The wider distribution given for Senegalia rugata (as A. concinna) in China by Wu and Nielsen (2010) is based mostly on misidentifications of Senegalia prominens (see Maslin et al. 2019: 439).

**Distribution:** AUSTRALIA [I]: Queensland. CARIBBEAN [Ns]: Jamaica. EAST ASIA: China (Guangdong [N], Hainan [U], Yunnan [N], Macau [U]), Japan [I]. INDIAN OCEAN [I]: Madagascar, Mauritius, Reunion Island, Seychelles. INDIAN SUBCONTINENT [N]: Bangladesh, Bhutan, India (Uttar Pradesh, Tamil Nadu, Rajasthan, Sikkim, Pondicherry, Tripura, Assam, Kerala, Odisha, Nagaland, Mizoram, Meghalaya, Manipur, Andhra Pradesh, Madhya Pradesh, Arunachal Pradesh, Karnataka, Gujarat, Goa, Delhi, Bihar, Maharashtra, Chhattisgarh, Punjab, West Bengal), Nepal. SOUTH AMERICA: Brazil. SOUTHEAST ASIA: Andaman Islands [N], Cambodia [N], Indonesia [N] (Sulawesi, Java, Lesser Sunda Islands, Sumatra, Moluccas), Laos [N], Malaysia [N] (Peninsular Malaysia), Myanmar [N], Papua New Guinea [N], Philippines [N], Singapore [I], Thailand [N], Vietnam [N]

**Based On:** *Mimosa rugata* Lam.

**Synonymy**

- *Mimosa rugata* Lam. (1783)

- *Acacia rugata* (Lam.) Buch.-Ham. ex Voigt (1845)

- *Acacia rugata* (Lam.) Buch.-Ham. ex Merr. (1910)

- *Acacia rugata* (Lam.) Buch.-Ham. ex Fawc. & Rendle (1920)

- *Nugae sylvarum minimae polynomial* Rumph. (1747)

- *Mimosa sinuata* Lour. (1790)

- *Acacia sinuata* (Lour.) Merr. (1935)

- *Mimosa concinna* Willd. (1806)

- *Acacia concinna* (Willd.) DC. (1825)

- *Acacia rugata* var. *concinna* (Willd.) Kurz (1877 dated '1876')

- *Acacia concinna* var. *concinna* (Willd.) DC. (1878)

- *Acacia polycephala* DC. (1825)

- *Acacia rugata* Buch.-Ham. (1831-32)

- *Mimosa tenuifolia* Blanco (1837)

- *Acacia habbasoides* Bojer (1837)

- *Acacia abstergens* Roxb. ex Steud. (1840)

- *Acacia rugata* Buch.-Ham. ex Benth. (1842)

- *Acacia concinna* var. *rugata* (Buch.-Ham. ex Benth.) Baker (1878)

- *Acacia rugata* Buch.-Ham. ex Gamble (1919)

- *Acacia gamblei* Bahadur & R.C.Gaur (1976)

- *Acacia philippinarum* Benth. (1842)

- *Acacia hooperiana* Zipp. ex Miq. (1855)

- *Acacia hooperiana* var. *hooperiana* Zipp. ex Miq. (1855)

- *Acacia hooperiana* var. *glabriuscula* Miq. (1855)

- *Acacia hooperiana* var. *subcuneata* Miq. (1855)

- *Acacia rugata* var. *genuina* Kurz (1877 [dated 1876])

- *Acacia poilanei* Gagnep. (1952)

- *Acacia quisumbingii* Merr. (1953)

- *Acacia pennata* sens. Merr. (1910)

- *Acacia pennata* sens. Merr. (1918)

- *Acacia pennata* sens. Merr. (1923)

***Mimosa rugata*** Lam. *Encycl.* 1:20 (1783)

**Name Status:** Non-Current Name

**Name Type** Basionym Source. Maslin et al. (2019: 437); Maslin et al. (2013: 41)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Citation:** "Cet arbre croît dans l'Inde, & m'a été communiqué par M. Sonnerat."

**Type Designation:** Holotype: Cet arbre croit dans l'Inde, & m'a ete communique par M. Sonnerat." s.d., s. coll. s.n. (P-LA [barcode P00297138]) **Source:** Seigler et al. (2014: 103); see also Nielsen (1980: 348 & 1985: 12); Maslin et al. (2019: 437)

***Acacia rugata*** (Lam.) Buch.-Ham. ex Voigt *Hort. Suburb. Calcutt.* :263 (1845)

**Name Status:** Non-Current Name

**Name Type** nom. illeg. (homonym) Source. Maslin et al. (2019: 437)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** Nom. illeg., non Buch.-Ham. ex Benth. (1842).

**Based On:** *Mimosa rugata* Lam.

***Acacia rugata*** (Lam.) Buch.-Ham. ex Merr. *Philipp. J. Sci., C* 5:28 (1910)

**Name Status:** Non-Current Name

**Name Type** Isonym Source. Maslin et al. (2019: 437)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** Nom. illeg., non Buch.-Ham. ex Benth. (1842).

**Based On:** *Mimosa rugata* Lam.

***Acacia rugata*** (Lam.) Buch.-Ham. ex Fawc. & Rendle *Fl. Jamaica* 4:141 (1920)

**Name Status:** Non-Current Name

**Name Type** Isonym Source. Maslin et al. (2019: 437)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** Nom. Illeg., non Buch.-Ham. ex Benth. (1842).

**Based On:** *Mimosa rugata* Lam.

***Nugae sylvarum minimae polynomial*** Rumph. 5:95 (1747)

**Name Status:** Non-Current Name

**Name Type** Nom. invalid. Source. WorldWideWattle; see also Nielsen (1985: 12)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** Nom. inval., a pre-Linnaean name.

***Mimosa sinuata*** Lour. *Fl. Cochinch.* 2:653 (1790)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Nielsen (1985: 12, under Acacia concinna)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Citation:** No type cited but provenance given as "Habitat in sylvis Cochinchinae'

**Type Designation:** Type: Unknown **Source:** Nielsen (1980: 349); Maslin et al. (2019: 437)

**Notes:** Despite Mimosa sinuata being regarded here as a synonym of Senegalia rugata, the following notes by (Maslin et al. 2019: 431) are relevant: "Deciphering and interpreting past Chinese literature accounts of Acacia concinna and A. sinuata is somewhat challenging, especially because no voucher specimens were cited in most relevant works. Nevertheless, it appears most likely that elements of both Senegalia prominens and S. rugata were included in the descriptions of A. sinuata by Institute of Botany (1972), Huang (1985) and Wu (1988), and in the descriptions of A. concinna by Xing (2005), Wu (2008) and Wu and Nielsen (2010). However, the illustrations in Huang (1985),Wu (1988) and Wu (2008) are clearly of S. prominens, while the photo in Xing (2005) is most likely of S. rugata. Although the description of A. concinna by Wu and Nielsen (2010) applies to S. rugata, most Chinese provincial occurrences they cited for that species probably refer to S. prominens.". Maslin et al. (2019: 441) provide the following regarding Mimosa (Acacia) sinuata: "Like Nielsen (1980) we have been unable to locate a type for Mimosa sinuata. This is not surprising because, as noted by Merrill (1935), very few Loureiro types are extant. Although no type specimen was cited in the protologue, Loureiro (1790) did say that the species occurred in “Cochinchinae”. This geographic name is not in current use, but in the past it most often referred to the southern one third of present-day Vietnam (although originally it referred to the southern half of Vietnam, extending southwards from just north of Hue). Loureiro's chief place of residence during the 36 years that he lived in Cochinchina was Hue (Merrill, 1935) so it is possible that the entity he described as M. sinuata was based on material collected from that general vicinity. We agree with the interpretation by Merrill (1935) that Loureiro's description of Mimosa sinuata probably refers to the entity hitherto called Acacia concinna (Senegalia rugata), especially as the inflorescences were described as axillary and solitary and the pods as sinuous (presumably a reference to the pod margins that are normally constricted between the seeds). These two characters are otherwise uncommon in Asian Senegalia. However, the description of the flowers as 4-merous and the corolla as absent by Loureiro (1790) are curious; these may be errors or perhaps there was some species additional to S. rugata that was included in Loureiro's concept of M. sinuata. Notwithstanding the above, Acacia sinuata has been variously treated by authors in the past, and there has been much confusion concerning this name in Chinese literature. Nielsen (1980) regarded it as a dubious name, but later treated it as a provisional synonym of A. concinna Nielsen (1981, 1985b), as did Sun and Chen (1990). Nielsen (1992), Sun (2006) and Wu and Nielsen (2010) treated A. sinuata as conspecific with A. concinna, without qualification. The name Acacia sinuata appears to have been first introduced into Chinese taxonomic literature by Institute of Botany (1972) followed by Huang (1985) and Wu (1988). These three publications all treated A. sinuata as a distinct species with the last two giving A. concinna as a synonym. The three descriptions are very similar to one another, and each is accompanied by an illustration, but no voucher specimens were cited. It appears most likely that all three descriptions contain elements that apply to Senegalia prominens (e.g. leaflets hairy and inflorescences paniculately arranged) while the first two describe pods that are clearly those of S. rugata (i.e. slightly succulent, wrinkled when dry: these attributes were not mentioned by Wu (1988); the illustrations in all three works appear to be of S. prominens only. This confusion concerning the definition of A. sinuata in China is also seen on herbarium specimens. During the course of this study we located many specimens of S. prominens at herb. IBK and IBSC that were determined as either A. concinna or A. sinuata.".

***Acacia sinuata*** (Lour.) Merr. *Trans. Amer. Philos. Soc., n.s.* 24(2):186 (1935)

**Name Status:** Non-Current Name

**Name Type** nom. illeg. (homonym) Source. Maslin et al. (2019: 437)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** Nom. illeg., non Jacques (1860).

**Based On:** *Mimosa sinuata* Lour.

***Mimosa concinna*** Willd. *Sp. Pl., ed. 4 [Willdenow]* 4(2):1039 (1806)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Maslin et al. (2013: 41)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Citation:** “Habitat in India orientalis … Klein”

**Type Designation:** Holotype: Ind. Or., Klein s.n. (B-W) **Source:** Nielsen (1980: 349, 1981: 60 & 1985: 12); Maslin et al. (2019: 437)

***Acacia concinna*** (Willd.) DC. *Prodr.* 2:464 (1825)

**Name Status:** Non-Current Name

**Name Type** Homotypic synonym Source. Maslin et al. (2019: 437); Maslin et al. (2013: 41)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Based On:** *Mimosa concinna* Willd.

***Acacia rugata* var. *concinna*** (Willd.) Kurz *J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist.* 45(4):297 (1877 dated '1876')

**Name Status:** Non-Current Name

**Name Type** Homotypic synonym Source. Maslin et al. (2019: 437)

**Accepted Name:** *Senegalia rugata*  (Lam.) Britton & Rose

**Based On:** *Mimosa concinna* Willd.

***Acacia concinna* var. *concinna*** (Willd.) DC. *in J.D.Hooker, Fl. Brit. India* 2(5):297 (1878)

**Name Status:** Non-Current Name

**Name Type** Autonym Source. WorldWideWattle

**Accepted Name:** *Senegalia rugata*  (Lam.) Britton & Rose

**Notes:** Autonym established by publication of Acacia concinna var. rugata (Buch.-Ham. ex Benth.) Baker.

***Acacia polycephala*** DC. *Prodr.* 2:473 (1825)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Nielsen (1985: 12, under Acacia concinna)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Designation:** Holotype: ‘Ile de France ou de Bourbon’ (Rèunion), s. coll., s.n. (G-DC) **Source:** Nielsen (1985: 12)

***Acacia rugata*** Buch.-Ham. *in N.Wallich, Numer. List* :no. 5251 (1831-32)

**Name Status:** Non-Current Name

**Name Type** Nom. nudum Source. Maslin et al. (2019: 437)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** There is no evidence that A. rugata Buch.-Ham. (nom. nud.) is based on M. rugata Lam. although Voigt (Hort. Suburb. Calcutt. 263, 1845) and later authors made that assumption.

**Based On:** *Acacia rugata* Buch.-Ham. ex Benth.

***Mimosa tenuifolia*** Blanco *Fl. Filip.* :739 (1837)

**Name Status:** Non-Current Name

**Name Type** nom. illeg. (homonym) Source. WorldWideWattle

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** Nom. illeg., non L. (1753).

***Acacia habbasoides*** Bojer *Hortus Maurit.* :116 (1837)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. WorldWideWattle

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Citation:** No type cited but provenance given as "Mauritius"

**Notes:** In the protologue A. habbasoides was described as a shrubby liane that (in 1837) had almost become naturalized in Mauritius, having been widely cultivated as a hedge plant. Apart from its habit and bipinnate foliage, no descriptive information was provided by Bojer that would enable a positive identification of the taxon he described. Polhill (1990) treated A. habbasoides as a synonym of A. sinuata (a name which in the past had been widely misapplied to A. rugata). Therefore, in the absence of having seen the type of A. habbasoides, this entity is here provisionally regarded as conspecific with S. rugata. However, it is noted that Stafleu & Cowan (TL2) regard most names in Bojer as being nomina nuda.

***Acacia abstergens*** Roxb. ex Steud. *Nomencl. Bot., ed. 2* 1:3 (1840)

**Name Status:** Non-Current Name

**Name Type** Nom. nudum Source. Plants of the World Online

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** Nom. nud. Given by Steudel as a synonym of Acacia concinna.

***Acacia rugata*** Buch.-Ham. ex Benth. *London J. Bot.* 1:514 (1842)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Maslin et al. (2013: 41)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Designation:** Holotype: Buchanan-Hamilton, Herb. Wallich no. 5251[A] (K-W) **Source:** Maslin (2019: 437); see also Nielsen (1985: 12)

***Acacia concinna* var. *rugata*** (Buch.-Ham. ex Benth.) Baker *in J.D.Hooker, Fl. Brit. India* 2(5):297 (1878)

**Name Status:** Non-Current Name

**Name Type** Homotypic synonym Source. Maslin et al. (2019: 437)
Maslin (2019: 437)

**Accepted Name:** *Senegalia rugata*  (Lam.) Britton & Rose

**Based On:** *Acacia rugata* Buch.-Ham. ex Benth.

***Acacia rugata*** Buch.-Ham. ex Gamble *Fl. Madras* 1(3):429 (1919)

**Name Status:** Non-Current Name

**Name Type** Isonym Source. Maslin et al. (2019: 437)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Based On:** *Acacia rugata* Buch.-Ham. ex Benth.

***Acacia gamblei*** Bahadur & R.C.Gaur *Acta Bot. Indica* 4(1):67 (1976)

**Name Status:** Non-Current Name

**Name Type** nom. illeg. (superfluous) Source. Maslin et al. (2019: 437)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Citation:** "Wall. Cat. 5251."

**Notes:** Nom. illeg. (superfl.). When Bahadur and Gaur proposed this name they omitted to recognize Bentham's publication of the name A. rugata Buch.-Ham. ex Benth., Lond. J. Bot. 1: 514 (1842) which was based on the same type as A. gamblei.

**Based On:** *Acacia rugata* Buch.-Ham. ex Benth.

***Acacia philippinarum*** Benth. *London J. Bot.* 1:514 (1842)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Nielsen (1985: 12, under Acacia concinna); Maslin et al. (2019: 437)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Citation:** "Philippine Islands, Cuming n. 953 and 1166"

**Type Designation:** Lectotype (designated by Nielsen 1985: 12 who incorrectly used the term holotype): Philippines, 1841, H. Cuming 953 (K [barcode K000295861 & K000724530]) **Source:** Maslin (2019: 437); Maslin et al. (2019: 437)

***Acacia hooperiana*** Zipp. ex Miq. *Fl. Ned. Ind.* 1(1):10 (1855)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Nielsen (1985: 12, under Acacia concinna)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Designation:** Holotype: Java, Zippel s.n. (L) **Source:** Nielsen (1980: 348 & 1985: 12)

***Acacia hooperiana* var. *hooperiana*** Zipp. ex Miq. *Fl. Ned. Ind.* 1(1):11 (1855)

**Name Status:** Non-Current Name

**Name Type** Autonym Source. WorldWideWattle

**Accepted Name:** *Senegalia rugata*  (Lam.) Britton & Rose

**Notes:** Autonym established by publication of Acacia hooperiana var. glabriuscula & var. subcuneata by Miquel in Fl. Ned. Ind. 1(1): 11 (1855).

***Acacia hooperiana* var. *glabriuscula*** Miq. *Fl. Ned. Ind.* 1(1):11 (1855)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Nielsen (1985: 12, under Acacia concinna)

**Accepted Name:** *Senegalia rugata*  (Lam.) Britton & Rose

**Type Designation:** Holotype: Java, ‘Acacia heteroidea Bl. in Sched.’, Blume s.n. (L) **Source:** Nielsen (1985: 12)

***Acacia hooperiana* var. *subcuneata*** Miq. *Fl. Ned. Ind.* 1(1):11 (1855)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Nielsen (1985: 12, under Acacia concinna)

**Accepted Name:** *Senegalia rugata*  (Lam.) Britton & Rose

**Type Designation:** Holotype: Java, Blume s.n. (L) **Source:** Nielsen (1980: 348 & 1985: 12)

***Acacia rugata* var. *genuina*** Kurz *J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist.* 45(4):297 (1877 [dated 1876])

**Name Status:** Non-Current Name

**Name Type** nom. illeg. (superfluous) Source. WorldWideWattle

**Accepted Name:** *Senegalia rugata*  (Lam.) Britton & Rose

***Acacia poilanei*** Gagnep. *Bull. Soc. Bot. France* 99:47 (1952)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Nielsen (1985: 12, under Acacia concinna)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Designation:** Syntypes: Laos, Poilane 11805, 12042, 26385 (P) **Source:** Nielsen (1985: 12)

***Acacia quisumbingii*** Merr. *Philipp. J. Sci.* 82(4):326 (1953)

**Name Status:** Non-Current Name

**Name Type** Heterotypic synonym Source. Nielsen (1985: 12, under Acacia concinna)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Type Designation:** Isotype: Luzon, Quisumbing PNH 6572 (L) **Source:** Nielsen (1985: 12)

***Acacia pennata*** sens. Merr. *Philipp. J. Sci., C* 5:29 (1910)

**Name Status:** Non-Current Name

**Name Type** Misapplied name Source. Nielsen (1985: 15)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** Pro parte, quoad. F.B. 2891 et Merrill 1660 (Nielsen 1985: 15).

***Acacia pennata*** sens. Merr. *Sp. Blancoan.* :167 (1918)

**Name Status:** Non-Current Name

**Name Type** Misapplied name Source. Nielsen (1980: 349)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** pro parte, quod spec. n. 259 et 887 (fide Nielsen 1980: 349).

***Acacia pennata*** sens. Merr. *Enum. Philipp. Fl. Pl.* 2:249 (1923)

**Name Status:** Non-Current Name

**Name Type** Misapplied name Source. Nielsen (1985: 15)

**Accepted Name:** *Senegalia rugata* (Lam.) Britton & Rose

**Notes:** Quoad. syn. Mimosa tenuifolia Blanco (Nielsen 1985: 15).