



## The correct name for *Adenocalymma comosum* (Bignoniaceae)

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A large, golden-flowered, bignoniaceous liana native to Brazil and sometimes grown as a tropical ornamental is generally known as *Adenocalymma comosum* (Cham.) DC. in Candolle (1845: 201). The name is based on *Bignonia comosa* Chamisso (1833: 691). This is homonymous with *Bignonia comosa* Roxburgh (1832: 103). William Roxburgh first published this binomial in the *Hortus Bengalensis* (Roxburgh 1814) for a species introduced to the Calcutta Botanic Garden, India, from the Moluccas. Here, the name is a nomen nudum as there was no description included or reference made to a previously published description. Roxburgh's brief description of the species was published posthumously in the third volume of *Flora Indica* (Roxburgh 1832). This appeared in late 1832 (Stafleu & Cowan 1983: 957). Roxburgh's plant was actually *Clerodendrum lanuginosum* Blume (1826: 810) (Lamiaceae) (van Steenis 1967).

Adelbert von Chamisso (as Adelberto de Chamisso) described his *Bignonia comosa* in the third installment of a paper published in volume 7 part 6 of the journal *Linnaea*. Reasonably accurate dates of publication of most parts of this journal are available (Stafleu & Cowan 1985: 193–200). The part including the relevant section of Chamisso's paper was published in March–April 1833. This is clearly later than the publication of *Bignonia comosa* Roxb., making *B. comosa* Cham. a later homonym and therefore illegitimate. The combination in *Adenocalymma* for *B. comosa* Cham. provided by Augustin de Candolle can therefore be considered an avowed substitute for the illegitimate name. However, following the synonymy presented by Udulutsch *et al.* (2013) there is a synonym that has priority over *Adenocalymma comosum* DC. in Candolle (1845: 201). This is *Bignonia acutissima* Chamisso (1833: 693–695), which already has a combination in *Adenocalymma*. Therefore the correct name for *Adenocalymma comosum* is *A. acutissimum* (Cham.) Miers (1861: 395). A proposal to conserve *Bignonia comosa* Cham. against *B. comosa* Roxb. could be made by anyone wanting to maintain the current use of the name *Adenocalymma comosum*.

***Adenocalymma acutissimum*** (Cham.) Miers (1861: 395). Basionym:—*Bignonia acutissima* Chamisso (1833: 691). Type:—BRAZIL. São Paulo, Santo André, Alto da Serra de Paranapiacaba Biological Reserve, 5 June 1990, Chiea 590 (neotype, designated by Udulutsch *et al.* (2013: 632), SP).

*Bignonia comosa* Chamisso (1833: 693–695), *nom. illegit., non B. comosa* Roxburgh (1832: 103). *Adenocalymma comosum* DC. in Candolle (1845: 201). Type:—BRAZIL. s.dat., Sellow s.n. (lectotype, designated by Udulutsch *et al.* (2013: 632), K (barcode no. K000449335), isolectotype NY (barcode no. NY00313142)).

## References

- Blume, C.L. (1826) *Bijdragen tot de flora van Nederlandsch Indië* (14). Lands Drukkerij, Batavia, pp. 731–850.
- Candolle, de A. (1845) *Prodromus systematis naturalis regni vegetabilis*. Volume 9. Fortin, Masson et sociorum, Paris, 573 pp.
- Chamisso, A. de (1833) De plantis in Expeditione Romanzoffiana et in herbariis regiis observatis disserere pergitur. Bignoniaceae. *Linnaea* 7 (6): 689–723.
- Miers, J. (1861) Observations on the Bignoniaceae. *Annals and Magazine of Natural History, ser. 3* 7: 386–396.
- Roxburgh, W. (1814) *Hortus bengalensis*. Mission Press, Serampore, 104 pp.
- Roxburgh, W. (1832) *Flora indica*. Volume 3. W. Thacker & Co., Calcutta, 875 pp.
- Stafleu, F.A. & Cowan, R.S. (1983) *Taxonomic literature. Volume iv: P-Sak*. Bohn, Holtema and Scheltema, Utrecht, 1214 pp.