

NEW COMBINATIONS

Acanthocereus oaxacensis (Britton & Rose) J.Lodé 2013 **comb. nov.**

Basionym: *Nyctocereus oaxacensis* Britton & Rose 1920, The Cactaceae T.2, p120.

Type: Mexico, Oaxaca, near Lagunas, 255m, 5 Jun 1895, E.W. Nelson 2543 (H.: US).

Borzicactus colademononis (Diers & Krahn) J.Lodé 2013 **comb. nov.**

Basionym: *Hildewintera colademononis* Diers & Krahn 2003, Kakt. u. a. Sukk. 54(8): 221 (illustr.).

Type: Bolivia, Santa Cruz, Florida, Cerro El Fraile, 2000, Krahn 950 (H.: KOELN).

Hildewintera colademononis could be renamed '*Borzicactus aureispinus* ssp. *colademononis*'. Since no DNA analysis was apparently done on this species to confirm this suggestion, I propose here ***Borzicactus colademononis***. It is also possible that it could be a natural and stabilized hybrid between ***Borzicactus aureispinus*** and ***Cleistocactus brookeae*** ssp. ***vulpis-cauda***, but in my opinion is very unlikely, for the distance between these taxa (more than 500 km), and convergent evolution seems to me a better possibility.

Haageocereus subg. ***Pygmaecereus*** subg. **nov.** J.Lodé 2013 **comb. et stat. nov.**

a subgeneris Haageocereo, nanus differt, caule simplex aut ramosus, flores cum longo canalis, seminibus globosus et pyriformibus, hebetudo coloris differt.

Type: *Pygmaecereus bylesianus* Andreae & Backeberg 1957, Nat. Cact. & Suc. J. 12(4) 86 (illustr.).

Harrisia tortuosa ssp. ***uruguayensis*** (Osten) J.Lodé 2013 **comb. et stat. nov.**

Basionym: *Harrisia tortuosa* var. *uruguayensis* Osten, Notas sobre Cactáceas 66. 1941.

= *Eriocereus pomanensis* var. *uruguayensis* (Osten) Backeb., Die Cactaceae 4: 2095. 1960.

Type : Uruguay, Río Negro [Dept.], Estancia Nueva Mehlem, en limo pampeano, Apr 1922, J. Schroeder, photo Apr 1923, Herb. C. Osten 16.720. **Lectotype** (designated here): Osten, Notas sobre Cactáceas, lámina 57.1941.

I had to make a new combination with ***H. tortuosa*** ssp. ***uruguayensis*** and created a subspecies of ***H. tortuosa***, rather than a variety, because Osten had already created a precedence.

Trichocereus candicans ssp. ***pseudocandicans*** (Backeb.) J.Lodé 2013 **comb. et stat. nov.**

Description (based on Kiesling 1976): *plants forming clumps 1 m high and up to 3 m in diam. Ribs (11-)13 [9(-11) in *T. candicans*]; spines aciculate to subulate (subulate in *T. candicans*); ext. tepals intense, bright red (greenish red in *T. candicans*), int. tepals whitish-cream, also pale to intense yellow, pink to red (pure white in *T. candicans*).*

Basionym: *Helianthocereus pseudocandicans* Backeberg Kakteen Lexicon, 187, 1966 (fig. 165). **Neotype :** La Rioja, Dept Famatina, 16 km nord de Chilecito, 26 Oct. 1974; R. Kiesling 807 (LP). in *Hickenia* 6: 32-34 (1976).

This name was invalid, in spite of Roberto Kiesling's attempt to give it a new status. I hope to have corrected this gap, for a taxon for a long time confused with ***T. candicans*** and having a great genetic variability: could it be a natural hybrid?.

Trichocereus crassicaulis (R. Kiesling) J.Lodé 2013 **comb. nov.**

Basionym: *Lobivia crassicaulis* R. Kiesling. 1978. Darwiniana 21: 324-325.

Type: Argentina, Catamarca, R. Kiesling 1505 (SI).

Trichocereus hahnianus (Backeberg) J.Lodé 2013 **comb. nov.**

Basionym: *Mediocactus hahnianus* Backeberg 1956, Descr. Cact. Nov. 10.

Type: Paraguay, Río Apa region, Blossfeld s.n. Neotype : Kimmach & Hutchinson, Cact. & Succ. J. US, 59: 61 (1987), Rojas & West 8499 (HNT, K, MO, US).

Nobel (2001) noticed that a molecular analysis of the interspecific relations of the genus *Harrisia* (Wallace 1997) allowed to notice that *H. hahniana* coincides either within the clade *Harrisia* or with no species of *Mediocactus* or *Hylocereus* (Hylocereeae) but is strongly allied with the members of genera *Trichocereus* and *Echinopsis* (Trichocereeae). Then, Wallace transferred *H. hahniana* within the genus *Echinopsis* s.l.; this taxon must be combined now within *Trichocereus* s.s. However, in their recent work, Schlumpberger & Renner (2012) included a part of *Trichocereus* within *Soehrensia* s.l. and combined *H. hahniana* in *Soehrensia*.

Trichocereus huascha* ssp. *robusta (Rausch) J.Lodé 2013 **comb. et stat. nov.**

Basionym: *Lobivia huascha* var. *robusta* Rausch in *Lobivia* 1986 p.141.

Type: Argentina, Catamarca, Hualfín, Rausch 229.

Trichocereus macrogonus* var. *peruvianus (Britton & Rose) J.Lodé 2013 **comb. et stat. nov.**

Basionym: *Trichocereus peruvianus* Britton & Rose, *The Cactaceae* 2: 136. 1920. **Neotype:** Peru, Dept. Matucana, vicinity of Matucana, 9 Jul. 1914, J. N. Rose and Mrs. J. M. Rose 18658, US 761324, **isotype** : NY 386193!



Trichocereus crassicaulis

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Nobel, P.S. 2002. *Cacti: Biology and Uses*. University of California Press, P.S. Nobel (Ed.).

Schlumpberger Boris. 2012. New Combinations in the *Echinopsis* alliance. *Cact. Syst. Init.* 28: 31.