

## MEXICO: NOMENCLATURAL REVISION IN CACTACEAE III

*Ferocactus* Britton & Rose, The Cact. 3: 123 (1922). = *Kroenleinia* Lodé, Cact. Advent. 102: 25 (2014), *pro parte*.

*Ferocactus grusonii* (Hildmann) Guiggi **comb. nov.** *Basionymus*: *Echinocactus grusonii* Hildmann, in Monatschr. Kakteenk. 1: 4 *cum ico.* (1891). *Synonymus*: *Kroenleinia grusonii* (Hildmann) Lodé, Int. Cact. Advent. 102: 27 (2014). **Typus**: Mexico not designated. **Lectotypus designatus** by Hunt & Taylor (2006: 7): *ico.* in *loc. cit.* (Hildmann, 1891: [7]), represents an adult specimen in *hort.* Gruson, Buckau-Magdeburg. **Distributio**: Querétaro, San Luis Potosí, Zacatecas (*cf.* Hunt *et al.* 2006: 79). **Annotarum**: the recent phylogenetic analysis (Vargas-Luna *et al.*, 2018: 40) has confirmed the exclusion of *Echinocactus grusonii* from *Echinocactus* Link *et* Otto and defined its systematic position as a close relative of the *Ferocactus*'s subclade including *F. glaucescens* Britton *et* Rose and *F. hystrix* (De Candolle) G.E.Lindsay, comparing the morphology of these relative taxa (*i.e.* barrel shape, normally to 50 x to 50 cm, higher number of ribs, to 38, seed size, *etc.*, *cf.* Bravo-Hollis & Sanchez-Mejorada, 1991: 108, 278, 286), the here inclusion and combination in *Ferocactus* seem appropriate. Furthermore, the dry fruit character previously used to include *E. grusonii* in *Echinocactus* is variable in *Echinocactus* and in *Homalolcephala* Britton *et* Rose (*cf.* Bravo-Hollis & Sanchez-Mejorada, 1991: 105-121; Vargas-Luna *et al.*, 2018: 35) as recently re-defined (*cf.* Vargas-Luna *et al.*, 2018: 40), and so without a taxonomic value to establish the systematic position of *E. grusonii*.

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# NEW COMBINATIONS IN THE RE-EVALUATED TRIBE *LEPTOCEREA*E BUXBAUM *SENSU* GUIGGI (*CACTACEAE-CACTOIDEAE*) FROM DOMINICAN REP.

*Neoabbottia* Britton *et* Rose, in Smithsonian Misc. Collect. 72, no. 9: 2 (1921).

*Neoabbottia demissa* (Areces) Guiggi **comb. nov.** *Basionymus*: *Leptocereus demissus* Areces Cact. Succ. J. (U.S.) 89(3): 118 (2017). **Typus**: Prov. Pedernales, on limestone terraces, ca. 10 km SE of Cabo Rojo, 22 Dec. 1998, A.E.Areces 6812 [JBSD, *holo.*; NY, HAJB, HNT, *iso.*; not found, *fide* the databases and Majure *et al.*, 2021: 27]. **Lectotypus** (Guiggi, 2020: 1): *ico.* 6, a branch with an apical cluster of flowers of the type specimen “Areces 6812” in Areces (2017: 118). **Distributio**: S Dominican Republic. **Annotarum**: a species previously considered belonging to the genus *Leptocereus* (A.Berger) Britton *et* Rose (*cf.* Guiggi, 2020: 1) for its obconic flower with the reflexed perianth segments, but confirmed as a member of the EPR clade (*i.e.* *Neoabbottia* Britton *et* Rose) in a recent phylogenetic analysis (Majure *et al.*, 2021: 21).

*Neoabbottia veloziana* (Clase, Y.Encarn., Peguero *et* Majure) Guiggi **comb. nov.** *Basionymus*: *Leptocereus velozianus* Clase, Y.Encarn., Peguero *et* Majure, in PhytoKeys 172: 23 (2021). **Typus**: Prov. Independencia, Sierra de Bahoruco, Parque Nacional Sierra de Bahoruco, Puerto Escondido, Rabo de Gato, 433 m, 14 May 2019, L.C.Majure 7843 [JBSD, *holo.*; FLAS, *iso.*]. **Distributio**: SE Dominican Republic. **Annotarum**: a new described species close relative to *Neoabbottia demissa* (Areces) Guiggi characterized by a more erect *habitus*, thicker stem and an oblong pericarpel than the former taxon (*cf.* Majure *et al.*, 2021: 21-24).

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**Nomenclatural novelties proposed in this *supplementum***

*Ferocactus grusonii* (Hildmann) Guiggi *comb. nov.*

*Neoabbottia demissa* (Areces) Guiggi *comb. nov.*

*Neoabbottia veloziana* (Clase, Y.Encarn., Peguero *et* Majure) Guiggi *comb. nov.*