

## Synopsis of the genus *Hoodia* Sweet ex Decne.

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*Hoodia* Sweet ex Decne is revised; a genus is divided into two subgenera with four sections. Many taxonomic changes are made and for each species a full synonymy is given.

Hoodias create a relatively uniform group, with very similar flower-structure and cannot be splitted into more genera. The stem-differences between "typical" hoodias plus "Eutrichocaulons" - all spiny species, and "smooth Trichocaulons" of the section *Cactoidea* - spineless species, are not so important (comparing for example *Euphorbia obesa* with *E. milii*, which have stems quite different and one species have leaves and the second one is leafless), as well the "difference" between "Lavrania", blooming at the base and "Laryleachia", blooming at the top of the stem, is not an essential character. (For example, *H. perata* blooms on any part of the stem).

*Hoodia* Sweet ex Decne in DC Prodr. 8:644 (1844).

### subgenus *Hoodia*

[syn: *Gonostemon* Haw. pro parte - type: *G. gordonii* (Mass.) Sweet, Hort. Brit. ed. 1:278 (1826); *Monothylaceum* G. Don, Gen. Syst. 4:116 (1837), nom. nud.; *Scyanthus* W. J. Hooker, Hooker's Icon. Plant. 7:t.605-6, 625 (1844); *Trichocaulon* N. E. Brown, J. Linn. Soc. 27:164 (1878); pro parte sect. *Eutrichocaulon* White & Sloane, Stapellae 3:991 (1937); *Stapelia* L. pro parte *S. pilifera* Masson].

Caulibus spinosis.

Stems spiny.

## section *Hoodia*

Caulibus et flores majores.

Stems and flowers large.

Type species: *H. gordonii* (Masson) Sweet ex Decne.

***H. gordonii*** (Masson) Sweet ex Decne in DC. Prodr. 8:665 (1844).

[*Scytanthus gordonii* (Masson) W. J. Hooker, Hooker's Ic. Pl. 7:t.625 (1844); *Gonostemon gordonii* (Masson) Sweet, Hort. Brit. ed. 1:278 (1826); *Monothylaceum gordonii* (Masson) G. Don, Gen. Syst. 4:116 (1837); *Stapelia gordonii* Masson, Stapel. Nov. 24, t.40 (1796); *Hoodia bainii* Dyer, Bot. Mag. 34:t.6348 (1878); *H. pillansii* N. E. Br. in Fl. Cap. 4(1):898 (1909); *H. burkei* N. E. Br. in Fl. Cap. 4(1):899 (1909); *H. albispina* N. E. Br. in Fl. Cap. 4(1):900 (1909); *H. rosea* Obermayer & Letty, Fl. Pl. S. Afr. 16:t.615 (1936); *H. langii* Obermayer & Letty in White & Sloane, Stapelae 3:1067 (1937); *H. lugardii* sensu Phillips, Fl. Pl. S. Afr. 16:t.617 (1936); *H. husabensis* Nel in White & Sloane, Stapelae 3:1069 (1937); *H. whitesloaneana* Dinter ex White & Sloane, Stapelae 3:1071-2, nom. nud.; *H. dinteri* Schltr. ex Dinter, Rep. Sp. Nov. Regni Veg. 18:425 (1922); *Stapelia gordonii* sensu Hook., London J. Bot. 2:164 (1843); *Scytanthus gordonii* sensu Hook., in Hooker's Ic. Pl. 7:t.625 (1844)].

***H. juttae*** Dinter, Neue Pfl. Sudw. Afr. 34 (1914).

[*H. bainii* var. *juttae* (Dinter) Huber, Mitt. Bot. Staatsamml. Munch. 4:33 (1961)].

***H. dregei*** N. E. Br. in Fl. Cap. 4(1):897 (1909).

***H. currorii*** (Hooker) Decne in DC. Prodr. 8:665 (1844).

subsp. ***currorii***

[*Scytanthus burkei* Hooker, Hooker's Ic. Pl. 7:t.625 (1844); *Hoodia macrantha* Dinter, Neue Pfl. Sudw. Afr. 35, fig. 52,53 (1914); *H. gibbosa* Nel. in White & Sloane, Stapelae 3:1061 (1937); *H. montana* Nel in White & Sloane, Stapelae 3:1063 (1937); *H. currorii* var. *minor* R. A. Dyer, Fl. Pl. Afr. 37:t.1474 (1966); *Adenium "namaquarium"* Henslow in The Gardener 1194, fig. 16 (1901)].

subsp. ***lugardii*** (N. E. Brown) Bruyns in Bot. Jahrb. Syst. 115(2):205 (1993).

[*H. lugardii* N. E. Br. in Fl. Trop. Afr. 4(1):491 (1903)].

***H. parviflora*** N. E. Br., Bull. Misc. Inform. 1895:265(1895).

## section *Trichocaulon* (N. E. Brown) Bruyns, Bot. Jahrb. Syst. 115(2):210 (1993).

[Bas: *Trichocaulon* N. E. Brown, J. Linn. Soc. 27:164 (1878)].

Caulibus et flores minores.

Stems and flowers small.

- H. officinalis*** (N. E. Br.) Plowes, *Asklepios* 56:9 (1992).  
 [*Trichocaulon officinale* N. E. Br., *Bull. Misc. Inf.* 1895:264(1895)].  
 subsp. ***officinalis***  
 [*Trichocaulon pubiflorum* Dinter, *Rep. Sp. Nov. Regni Veg.* 30:192 (1932); *T. rusticum* N. E. Br. in *Fl. Cap.* 4(1):891 (1909); *Hoodia rustica* (N. E. Br.) Plowes, *Asklepios* 56:10 (1992)].  
 subsp. ***delaetiana*** (Dinter) Bruyns in *Bot. Jahrb. Syst.* 115(2):216 (1993).  
 [*Trichocaulon delaetianum* Dinter, *Rep. Spec. Nov. Regni Veg.* 19:155 (1923); *Hoodia delaetiana* (Dinter) Plowes, *Asklepios* 56:8 (1992)].
- H. triebneri*** (Nel) Bruyns in *Bot. Jahrb. Syst.* 115(2):222 (1993), non Hans Schuldt in *Desert Plant Life* vol. 5:92 (1933), nom. nud.  
 [*Trichocaulon triebneri* Nel, *Kakteenkunde* 117 (1935); *Hoodia foetida* Plowes, *Asklepios* 56:9 (1992)].
- H. mossamedensis*** (Leach) Plowes, *Asklepios* 56:9 (1992).  
 [*Trichocaulon mossamedense* Leach, *J. S. African Bot.* 40:15 (1974)].
- H. pedicellata*** (Schinz) Plowes, *Asklepios* 56:9 (1992).  
 [*Trichocaulon pedicellatum* Schinz, *Verh. Bot. Vereins Prov. Brandenb.* 30:266 (1888)].
- H. ruschii*** Dinter, *Rep. Sp. Nov. Regni Veg.* 30:192 (1932).
- H. flava*** (N. E. Br.) Plowes, *Asklepios* 56:8 (1992).  
 [*Trichocaulon flavum* N. E. Br., *J. Linn. Soc.* 17:165, t. 11 (1878); *T. karasmontanum* Dinter, *Rep. Spec. Nov. Regni Veg.* 24:16 (1927), nom. nud.].
- H. alstonii*** (N. E. Br.) Plowes, *Asklepios* 56:7 (1992).  
 [*Trichocaulon alstonii* N.E. Br., *Bull. Misc. Inf.* 1906:166 (1906); *T. halenbergense* Dinter, *Rep. Sp. Nov. Regni Veg.* 29:163 (1931)].
- H. pilifera*** (L.f.) Plowes, *Asklepios* 56:10 (1992).  
 [*Trichocaulon piliferum* (L.f.) N. E. Br., *J. Linn. Soc.* 17:164 (1878); *Piранthus piliferus* (L.f.) Sweet, *Hort. Brit.* ed.2:359 (1830); *Stapelia pilifera* L. f. *Suppl.* 171 (1781)].  
 subsp. ***pilifera***  
 subsp. ***annulata*** (N. E. Br.) Bruyns, *Bot. Jahrb. Syst.* 115(2):235 (1993).  
 [*Trichocaulon annulatum* N. E. Br. in *Fl. Cap.* 4(1):889 (1909); *Hoodia annulata* (N. E. Br.) Plowes, *Asklepios* 56:8 (1992)].  
 subsp. ***pillansii*** (N. E. Br.) Bruyns, *Bot. Jahrb. Syst.* 115(2):238 (1993).  
 [*Trichocaulon pillansii* N. E. Br., *Gard. Chron.* 35:242 (1904); *T. pillansii* var. *major* N. E. Br., *Gard. Chron.* 35:242 (1904); *T. grande* N. E. Br. in *Fl. Cap.* 4(1):892 (1909); *Hoodia grandis* (N. E. Br.) Plowes, *Asklepios* 56:9 (1992); *H. coleii* Plowes, *Asklepios* 56:9 (1992)].

## subgenus ***Lavrania*** (Plowes) J.J.Halda stat. nov.

[bas: *Lavrania* Plowes, *Cact. Succ. J. (US)* 58:119 (1986); *Trichocaulon* N. E. Br., *J. Linn. Soc.* 17:164 (1878), pro parte; *Leachia* Plowes, *Asklepios* 56:12 (1992) nom. illeg., *Leachiella* Plowes,

Asklepios 57:15-16 (1992) nom. illeg., non Kugrens 1982; *Larryleachia* Plowes, Excelsa 17:5 (1986)].

Caulibus inermis.

Stem spineless.

Type: *H. haagnerae* (Plowes) J. J. Halda

## sect. *Cactoidea* (White & Sloane) J. J. Halda stat. nov.

[bas: *Trichocaulon* N. E. Br. sect. *Cactoidea* White & Sloane, *Stapelieae* 3:991 (1937); *Lavrania* Plowes, *Cact. Succ. J. (U.S.)* 58:119 (1986), p.p.; *Leachia* Plowes, *Asklepios* 56:11 (1992), nom. invalid.; *Leachiella* Plowes, *Asklepios* 57:15 (1992); *Larryleachia* Plowes, *Excelsa* 17:5 (1986)].

Fasciculi pauciflori (1-3-flori), apicales.

Flowers in small fascicles of 1-3 near the apex of stems.

Typus: *H. cactiformis* (Hook.) J. J. Halda

***H. cactiformis* (Hook.) J. J. Halda stat. nov.**

Bas: *Stapelia cactiformis* Hook., *Bot. Mag.* t. 4127 (1844).

[*Trichocaulon cactiforme* (Hook.) N. E. Br., *Icon. Pl.* t.1905 (1890); *Leachia cactiformis* (Hook.) Plowes, *Asklepios* 56:12 (1992), nom. illeg.; *Leachiella cactiformis* (Hook.) Plowes, *Asklepios* 57:15 (1992), nom. illeg.; *Lavrania cactiformis* (Hook.) Bruyns, *Bot. Jahrb.* 115(2):257-261 (1993); *Larryleachia cactiformis* (Hook.) Plowes, *Excelsa* 17:5 (1996)].

***H. dinteri* (Berger) J. J. Halda stat. nov.**

Bas: *Trichocaulon dinteri* Berger, *Stap. und Klein.* 30 (1910).

[*T. sinus-luderitzii* Dinter, *Neue Pfl. Deutsch.-Sudw. Afr.* 59(1914); *Leachia dinteri* (Berger) Plowes, *Asklepios* 56:12 (1992), nom. illeg.; *Leachiella dinteri* (Berger) Plowes, *Asklepios* 57:16 (1992), nom. illeg.; *Lavrania marlothii* (N. E. Br.) Bruyns, *Bot. Jahrb.* 115(2):246-250 (1993) pro parte; *Larryleachia dinteri* (Berger) Plowes, *Excelsa* 17:5 (1996)].

***H. felina* (Cole) J. J. Halda stat. nov.**

Bas: *Trichocaulon felinum* Cole, *Aloe* 22:6 (1985).

[*Leachia felina* (Cole) Plowes, *Asklepios* 56:12 (1992) nom. illeg.; *Leachiella felina* (Cole) Plowes, *Asklepios* 57:16 (1992) nom. illeg.; *Lavrania cactiformis* (N. E. Br.) Bruyns, *Bot. Jahrb.* 115(2):257-261 (1993) pro parte].

***H. marlothii* (N. E. Br.) J. J. Halda stat. nov.**

Bas: *Trichocaulon marlothii* N. E. Br., *Flora Cap.* 4:894 (1909).

[*Trichocaulon keetmanshoopense* Dinter, *Neue Pfl. Deutsch.-Sudw. Afr.* 57 (1914); *Leachia marlothii* (N. E. Br.) Plowes, *Asklepios* 56:12 (1992) nom. illegit.; *Leachiella marlothii* (N. E. Br.) Plowes, *Asklepios* 57:16 (1992) nom. illegit.; *Lavrania marlothii* (N. E. Br.) Bruyns, *Bot. Jahrb.* 115(2):246-250 (1993)].

***H. meloformis* (Marloth) J. J. Halda stat. nov.**

Bas: *Trichocaulon meloforme* Marloth, Trans. Roy. Soc. S. Afr. 2:239 (1912).

[*T. engleri* Dinter, Neue Pfl. Deutsch. Sudw. Afr. 56 (1914); *Leachia meloformis* (Marloth) Plowes, Asklepios 56:12 (1992) nom. illegit.; *Leachiella meloformis* (Marloth) Plowes, Asklepios 57:16 (1992) nom. illegit.; *Lavrania picta* (N. E. Br.) Bruyns, Bot. Jahrb. 115(2):250-255 (1993) pro parte; *Larryleachia meloformis* (Marloth) Plowes, Excelsa 17:7 (1996)].

***H. perlata* (Dinter) J. J. Halda stat. nov.**

Bas: *Trichocaulon perlatum* Dinter, Fedde Rep. 19:155 (1923).

[*T. cinereum* Pillans, S. Afr. Gard. 18:62 (1928); *T. kubusense* Nel, Kakteenk. 70 (1933); *T. truncatum* Pillans, White & Sloane, The Stapeliae ed. 2(3):1029 (1937); *Leachia perlata* (Dinter) Plowes, Asklepios 56:14 (1992) nom. illegit.; *Leachiella perlata* (Dinter) Plowes, Asklepios 57:16 (1992) nom. illegit.; *Lavrania perlata* (Dinter) Bruyns, Bot. Jahrb. 115(2):261-264 (1993); *Larryleachia perlata* (Dinter) Plowes, Excelsa 17:9 (1996)].

***H. picta* (N. E. Br.) J. J. Halda stat. nov.**

Bas: *Trichocaulon pictum* N. E. Br., Kew Bull. 1909:307 (1909).

[*Leachia picta* (N. E. Br.) Plowes, Asklepios 56:14 (1992) nom. illegit.; *Leachiella picta* (N. E. Br.) Plowes, Asklepios 57:16 (1992) nom. illegit.; *Lavrania picta* (N. E. Br.) Bruyns, Bot. Jahrb. 115(2):250-255 (1993) pro parte; *Larryleachia picta* (N. E. Br.) Plowes, Excelsa 17:9 (1996)].

***H. similis* (N. E. Br.) J. J. Halda stat. nov.**

Bas: *Trichocaulon simile* N. E. Br., Fl. Cap. 4(1):895 (1909).

[*Leachia similis* (N. E. Br.) Plowes, Asklepios 56:14 (1992) nom. illegit.; *Leachiella similis* (N. E. Br.) Plowes, Asklepios 57:16 (1992) nom. illegit.; *Lavrania cactiformis* (N. E. Br.) Bruyns, Bot. Jahrb. 115(2):257-261 (1993) pro parte; *Larryleachia similis* (N. E. Br.) Plowes, Excelsa 17:12 (1996)].

***H. sociarum* (White & Sloane) J. J. Halda stat. nov.**

Bas: *Trichocaulon sociarum* White & Sloane, Stapeliae ed. 2(3):1175 (1937).

[*Leachia sociarum* (White & Sloane) Plowes, Asklepios 56:14 (1992) nom. illegit.; *Leachiella sociarum* (White & Sloane) Plowes, Asklepios 57:16 (1992) nom. illegit.; *Larryleachia sociarum* (White & Sloane) Plowes, Excelsa 17:15 (1996)].

***H. tirasmontana* (Plowes) J. J. Halda stat. nov.**

Bas: *Leachiella tirasmontana* Plowes, Brit. Cact. Succ. J. 11(2):56-59 (June 1993); *Larryleachia tirasmontana* (Plowes) Plowes, Excelsa 17:15 (1996); *Lavrania picta* subsp. *parvipunctata* Bruyns, Bot. Jahrb. 115(2):256-257 (Oct. 1993)].

**sect. *Lavrania***

[*Lavrania* Plowes, Cact. Succ. J. (US) 58:119 (1986)].

Flores ad basin adnatae. (Fasciculi 6-15- flori).

Flowers in fascicles of 6-15 near the base of stems.

Type: *H. haagnerae* (Plowes) J. J. Halda.

*H. haagnerae* (Plowes) J. J. Halda **comb. nov.**

Bas: *Lavrania haagnerae* Plowes, Cact. Succ. J. (US) 58:119 (1986).

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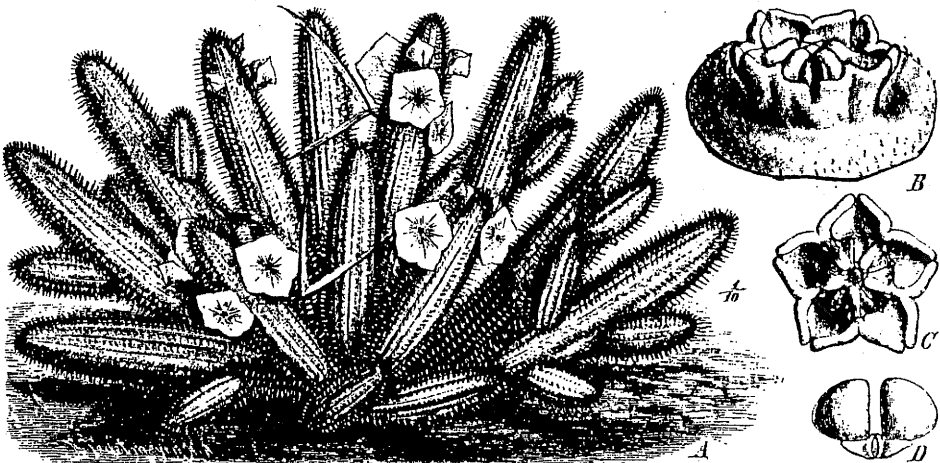
Plowes, D. H. C. (1986): *Lavrania*, A New Stapeliad Genus from South West Africa. Cact. Succ. J. US. 58:119-123.

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White, A. & B. L. Sloane (1937): The Stapelieae ed. 2, vol. 3. Pasadena.



*Hoodia gordonii* (Mass.) Sw. A Tracht; B Gynosteg; C dasselbe von oben; D Pollinien.