

Original Paper

***Habenaria brasiliensis* R. Kr. Singh & Sanjeet Kumar, a replacement name for *H. gracilis* Lindl. (Orchidaceae)**

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Abstract: A new name, *Habenaria brasiliensis* R.Kr.Singh & Sanjeet Kumar, is proposed herein to replace the illegitimate name *H. gracilis* Lindl., being a later homonym of *H. gracilis* Colebr.

Keywords: Brazil, Endemic, Illegitimate, Later homonym, Lectotype, New name

Introduction

The genus *Habenaria* Willd. (Orchidaceae) consists of about 900 species, distributed in tropical and subtropical regions, and south Siberia (POWO, 2024). In Brazil, the genus is represented by 180 species, of which 112 species are endemic, viz. *Habenaria abscondita* J.A.N.Bat. & Cruz-Lustre, *H. achnantha* Rchb.f., *H. achroantha* Schltr., *H. alpestris* Cogn., *H. araneiflora* Barb.Rodr., *H. aricaensis* Hoehne, *H. australis* J.A.N.Bat., Vale & Menini, *H. bahiensis* Schltr., *H. belloi* Schltr., *H. brachydactyla* J.A.N.Bat. & Bianch., *H. brachyphyton* Schltr. ex Mansf., *H. brachyplectron* Hoehne & Schltr., *H. brevidens* Lindl., *H. bryophila* J.A.N.Bat., B.L.Lau & Machado-Costa, *H. campylogyna* J.A.N.Bat. & Bianch., *H. canastrensis* J.A.N.Bat. & B.M.Carvalho, *H. candolleana* Cogn., *H. cardiostigmatica* J.A.N.Bat. & Bianch., *H. christianii* Schltr., *H. ciliatisepala* J.A.N.Bat. & Bianch., *H. compluviosa* J.A.N.Bat., B.L.Lau & Machado-Costa, *H. crucifera* Rchb.f. & Warm., *H. cultellifolia* Barb.Rodr., *H. curvilabra* Barb.Rodr., *H. depressifolia* Hoehne, *H. drepanopetala* Pabst, *H. dutrae* Schltr., *H. edwallii* Cogn., *H. eglariana* J.A.N.Bat. & Bianch., *H. ernesti-ulei* Hoehne, *H. espinhacensis* J.A.N.Bat. & A.A.Vale, *H. flaccifolia* Schltr., *H. fluminensis* Hoehne, *H. galeandriiformis* Hoehne, *H. glaucophylla* Barb.Rodr., *H. gracilis* Lindl., *H. gracilisegmenta* Engels & J.A.N.Bat., *H. guaraensis* J.A.N.Bat. & Bianch., *H. gustavo-edwallii* Hoehne, *H. habenarioides* (Hoehne) R.E.Nogueira & R.J.V.Alves, *H.*

hatschbachii Pabst, *H. heleogena* Schltr., *H. henscheniana* Barb.Rodr., *H. heringeri* Pabst, *H. hippocrepica* J.A.N.Bat. & Bianch., *H. hydrophila* Barb.Rodr., *H. hygrophila* J.A.N.Bat., B.L.Lau & Machado-Costa, *H. irwiniana* J.A.N.Bat. & Bianch., *H. itaculumia* Garay, *H. itatiayae* Schltr., *H. jaguarahyvae* Kraenzl., *H. jordanensis* (Leite) Garay, *H. juruenensis* Hoehne, *H. karstica* J.A.N.Bat., *H. kleinii* Menini & J.A.N.Bat., *H. lavrensis* Hoehne, *H. leptoceras* Hook., *H. longissima* J.A.N.Bat., P.B.Meyer & Toscano, *H. luetzelburgii* Schltr., *H. macrodactyla* Kraenzl., *H. magdalenensis* Hoehne, *H. magniscutata* Catling, *H. meeana* Toscano, *H. megapotamensis* Hoehne, *H. mello-barretoii* Brade & Pabst, *H. minuta* J.A.N.Bat. & Bianch., *H. minuticalcar* J.A.N.Bat. & Bianch., *H. modestissima* Rchb.f., *H. mystacina* Lindl., *H. nasuta* Rchb.f. & Warm., *H. nemorosa* Barb.Rodr., *H. novaesii* Edwall & Hoehne, *H. nuda* Lindl., *H. omissa* J.A.N.Bat. & Bianch., *H. orchicalcar* Hoehne, *H. pabstii* J.A.N.Bat. & Bianch., *H. pansarinii* J.A.N.Bat. & Bianch., *H. paulensis* Porsch, *H. paulistana* J.A.N.Bat. & Bianch., *H. piraquarensis* Hoehne, *H. polygonoides* Schltr., *H. polyrhiza* Schltr., *H. proiteana* J.A.N.Bat., A.A.Vale & Bianch., *H. psammophila* J.A.N.Bat., Bianch. & B.M.Carvalho, *H. pseudocaldensis* Kraenzl., *H. pseudoculicina* J.A.N.Bat. & B.M.Carvalho, *H. pseudoglaucophylla* J.A.N.Bat., R.C.Mota & N.Abreu, *H. pseudohamata* Toscano, *H. pubidactyla* J.A.N.Bat. & Bianch., *H. pycnostachya* Barb.Rodr., *H. quadriferricola* J.A.N.Bat. & B.M.Carvalho, *H. reflexicalcar* J.A.N.Bat. & B.M.Carvalho, *H. rolfeana* Schltr., *H. rotundiloba* Pabst, *H. rupicola* Barb.Rodr., *H. sampaioana* Schltr., *H. secunda* Lindl., *H. setacea* Lindl., *H. sobraliana* J.A.N.Bat., Vale & Menini, *H. spanophytica* J.A.N.Bat. & Bianch., *H. st-simonensis* Hoehne, *H. subrepens* J.A.N.Bat., B.L.Lau & Machado-Costa, *H. subviridis* Hoehne & Schltr., *H. sylvicultrix* Lindl. ex Kraenzl., *H. tamanduensis* Schltr., *H. taubertiana* Cogn., *H. trichoceras* Barb.Rodr., *H. ulei* Cogn., *H. uliginosa* Rchb.f., *H. umbraticola* Barb.Rodr., *H. urbaniana* Cogn. and *H. warmingii* Rchb.f. & Warm. (Flora e Funga do Brasil, 2024; POWO, 2024). However, the name *H. gracilis* Lindl. (1835: 312) is illegitimate because it is a later homonym of *H. gracilis* Colebr. (1824: 135) in accordance with Article 53.1 of the ICN (Turland et al., 2018). Therefore, a replacement name is herein proposed.

Nomenclature

Habenaria brasiliensis R.Kr.Singh & Sanjeet Kumar, *nom. nov.*

≡ *Habenaria gracilis* Lindl., Gen. Sp. Orchid. Pl. 312. 1835, *nom. illeg., non* Colebr., Exot. Fl. t. 135. 1824.

Holotype: Brazil, Minas Gerais, s.d., C.F.P. von Martius s.n. (M0225902!, Figure 1).

Distribution: Endemic to Philippines.

Etymology: The new name is named after country Brazil.

Notes: The name *Bonatea gracilis* Lindl. (1835: 329) is cited as a heterotypic synonym of *Habenaria gracilis* Lindl. (1835: 312) in POWO (2024) and Flora e Funga do Brasil (2024) is not correct, because *Bonatea gracilis* was described by Lindley (1835) based on the specimen of N. Wallich from Peninsular India.



Figure 1: Holotype of *Habenaria gracilis* Lindl. (M0225902, © Botanische Staatssammlung München)

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