

Nomenclatural notes on Laeliinae (Orchidaceae). X. Additional combinations in *Cattleya*, *Guarianthe* and a note on *Brassavola*

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ABSTRACT

In the present article I provide a new combination in the genus *Cattleya* to reclassify *Hoffmannseggella marxiana*, a species recently validated in *Hoffmannseggella*. I also provide the new combination *Guarianthe hennisiana* f. *alba* (Cogniaux & Gossens) Van den Berg for an overlooked interspecific taxon, and discuss the taxonomic status of *Brassavola flagellaris*.

1 | INTRODUCTION

Following the re-circumscription of *Cattleya* Lindl. based on phylogenetic analysis of molecular data (van den Berg 2008), subsequent work has proposed further nomenclatural combinations for more recently described taxa (van den Berg 2010, 2016, 2018, 2019, 2022). A species of *Hoffmannseggella* H.G.Jones described in 2012, *H. marxiana*, was not validly published, as the authors did not specify the herbarium for the holotype. The material was deposited only in 2019 and then indicated in a later publication (Castro-Neto 2020), and now requires a combination in *Cattleya*. Within *Guarianthe* Dressler & W.E.Higgins, one form of *Guarianthe hennisiana* (Rolfe) Van den Berg has not yet been transferred, because it was overlooked by van den Berg (2015). For *Brassavola* R.Br., I clarify that *B. fragrans* Barb.Rodr., recognized as a separate taxon by Noguera-Savelli (2020), was nevertheless an illegitimate name. To treat the taxon as distinct from *B. tuberculata*, it should instead be recognized as *B. flagellaris* Barb.Rodr.

2 | TAXONOMY

Cattleya marxiana* (K.G.Lacerda & V.P.Castro) Van den Berg, **comb. nov.*

Basionym: *Hoffmannseggella marxiana* K.G.Lacerda & V.P.Castro in *Icones Orchidacearum Brasilienses* 4: suppl. 4. (October 2020). *Hoffmannseggella marxiana* K.G.Lacerda & V.P.Castro in *Orchidacearum Brasilienses* 3: t. 272 (2012), *nom. non val. publ.* Type: BRAZIL. Minas Gerais: Teófilo

Otoni, Pedra da Miragem, *E.J.Marx s.n.*, May 2009 (Holotype BHCB 199240; annotated as holotype in the herbarium sheet by K.G. Lacerda on 11 Sep 2019)

Comments—I propose a combination in *Cattleya* for the taxon originally described as *Hoffmannseggella marxiana* K.G.Lacerda & V.P.Castro (Castro-Neto, 2012), which was invalidly published by lacking indication of the herbarium where the holotype was housed. The holotype for this taxon was not effectively deposited at the time of the original publication, but finally was deposited in the BHCB herbarium in 2019, seven years after, and annotated by one of the authors. Then, in October 2020 a note in the last page of *Icones Orchidacearum Brasilienses 4* validated the name by citing the material and herbarium (Castro-Neto 2020). The validated entry for *Hoffmannseggella marxiana* from 2020 is still missing in the International Plant Names Index (IPNI). An additional comment is that the cover of *Icones Orchidacearum Brasilienses 4* bears the date 'October 2019', however it was issued exactly one year after in 2020 (Defina Araújo, the distributor, pers. comm.). All the taxa described in the volume should therefore be considered standing from 1st October 2020 for priority purposes. It should be noticed that in some parts of the work the authors actually cited species that were published in 2020, which confirms the mistake in the printed date.

Guarianthe hennisiana f. alba (Cogn.) Van den Berg, **comb. et stat. nov.**

Basionym: *Cattleya patinii* var. *alba* Cogn. in *Dictionnaire iconographique des orchidées (Cattleya)* 2: t. 25A (1900). Lectotype (designated here): Original illustration reproduced in *Dictionnaire Iconographique des Orchidées – Genre Cattleya*: t. 25A. 1900. (original watercolor in unknown location).

Comments—Since the establishment of *Guarianthe hennisiana* (Rolfe) Van den Berg for the species then treated under *Guarianthe patinii* (Cogniaux & Gossens) Dressler & Higgins (van den Berg 2015), I have located an additional overlooked infraspecific name, corresponding to the white form of the taxon. The type material of *Cattleya patinii* var. *alba*, as with many others in the *Dictionnaire Iconographique des Orchidées*, could not be located in BR, LG, LY, P, GENT, and probably did not survive. The whereabouts of the drawings reproduced in the plates of the *Dictionnaire Iconographique des Orchidées* is also unknown; therefore, I am lectotypifying herein the name on a reference based in the original of the reproduced plate, until the original is eventually found.

Brassavola flagellaris Barb.Rodr. in *Genera et species orchidearum novarum* 2: 161 (1882)

Synonyms: *Brassavola fragrans* Barb. Rodr. in *Genera et species orchidearum novarum* 1: 65 (1877), *nom. illeg.* *Brassavola chacoensis* Kraenzl. In *Bot. Jahrb. Syst.* 36(3, Beibl. 80): 7 (1905). *Brassavola rhomboglossa* Pabst in *Bradea* 3: 2 (1979).

Comments—A recent revision of *Brassavola* (Noguera-Savelli 2020) recognized the spring flowering, higher altitude species from the plateaus of inland Brazil as a separate entity from *Brassavola tuberculata* Hook. However, the author adopted for this taxon the illegitimate name *Brassavola fragrans* Barb.Rodr., which is a later homonym of the earlier *Brassavola fragrans* Lem. (Lemaire 1853: 78); the latter itself is a synonym of *B. tuberculata*. The next name available for this species as a separate taxon from *B. tuberculata* is *Brassavola flagellaris* Barb.Rodr. I provide the correct protologue for the taxon, pointing out that *Brassavola chacoensis* Kraenzl. and *Brassavola rhomboglossa* Pabst are considered synonyms of this taxon and not of *Brassavola tuberculata* Hook, following van den Berg (2024).

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