

New synonyms in *Dryadella* (Orchidaceae: Pleurothallidinae) from the Brazilian Atlantic Forest

Novos sinônimos em *Dryadella* (Orchidaceae: Pleurothallidinae) da Mata Atlântica brasileira

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Abstract

In this note, we propose synonymising *Dryadella camacaensis* under *D. vitorinoi* and *D. storchiana* under *D. aviceps*. These two recently described *Dryadella* were published at the time the revision of *Dryadella* for Brazil was published. The morphological metrics and ecological affinities used to support the synonymisation are presented and discussed.

Keywords: Brazilian Flora, Bahia State, Espírito Santo State, nomenclature, taxonomy

Resumo

Nesta nota, propomos a sinonimização de *Dryadella camacaensis* sob *D. vitorinoi* e *D. storchiana* sob *D. aviceps*. Essas duas *Dryadella* descritas recentemente foram publicadas na época em que a revisão de *Dryadella* para o Brasil foi publicada. As métricas morfológicas e afinidades ecológicas usadas para dar suporte à sinonimização são apresentadas e discutidas.

Palavras-chave: Flora do Brasil, Estado da Bahia, Estado do Espírito Santo, nomenclatura, taxonomia

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Introduction

Dryadella Luer (Orchidaceae, Epidendroideae) is a small genus of the subtribe Pleurothallidinae with 61 species (Imig et al., 2024). The herbs are epiphytes, with long-repent or caespitose growth; inflorescence with a single flower or 2–4 successive flowers in a congest raceme; flowers with a thickened callus near the base of the lateral sepals, multi-angled petals, and a long unguiculate lip with a blade provided with two basals, usually retrorse, lobes (Luer, 1978). It is distributed from Central America through the Andes to southeastern Brazil, with a disjunct distribution between Atlantic and Pacific coastal forests (Luer, 1978, Imig et al., 2024).

Recently, the genus was revised for Brazil (Imig et al., 2024), and 14 species were reported for the country. Simultaneously, when Imig et al. (2024) was in press, two new names were described (Campacci & Rodrigues, 2023, Silva & Rodrigues, 2023).

When checking these two names, we noticed their similarity to species already described in Brazil. Thus, based on the recent taxonomic review, morphological and ecological similarity, overlapping measurements and geographic distribution, we propose them as new synonyms.

Dryadella camacaensis C.R.M.Silva & D.A. Rodriguez was described from a plant from the municipality of Camacã, Bahia State (Silva & Rodrigues 2023). The authors compare it with *D. vitorinoi* Luer & Toscano and point out that the differences are related to the plant size, flower colour and small size. All these characteristics fall in the variation of the *D. vitorinoi* revised in Imig et al. (2024), which included examined material from Bahia, Espírito Santo and Minas Gerais. The caespitose habit, flat leaves, flower not completely open at anthesis, the petals with superior margin entire and inferior margin lobed, and a long ungluculate labellum characterise this species. Therefore, we propose that *D. camacaensis* is a synonym of *D. vitorinoi*.

Dryadella storchiiana Campacci & D.A. Rodrigues was described based on a single plant collected by Jocimar Westphal in the Atlantic Forest of the municipality of Ibiraçu, in the State of Espírito Santo (Campacci & Rodrigues, 2023). The authors compare

it with *D. clavellata* Luer & Hirtz, an endemic species of Ecuador, and point out that the differences are also related to the plant size, flower colour and smaller size. All these characteristics fall in the variation of the *D. aviceps* (Rchb.f.) Luer, revised in Imig et al. (2024), which included examined material from the States of Pernambuco, Bahia, Espírito Santo, Mato Grosso do Sul, Rio de Janeiro, São Paulo, Paraná and also on the border with Paraguay and extends to the Ybycuí National Park and Paraguarí. It also occurs in small and sparse populations in dry and open forests and arboreal Restinga. Despite its wide distribution, it is not easily found in nature and is rarely found in living collections, and this is probably the main reason why the authors described *D. storchiiana*. Therefore, we propose that *D. storchiiana* is a synonym of *D. aviceps*.

Taxonomy

Dryadella vitorinoi Luer & Toscano, 2002

Dryadella vitorinoi Luer & Toscano, Selbyana 23(2): 181, 2002. Holotype: BRAZIL. Without locality, cultivated by V. Castro, A.L.V. Toscano de Brito s.n. (HUEFS187213!), (C. Luer illustr. 15540).

= *Dryadella camacaensis* C.R.M.Silva & D.E.Rodrigues, Coletânea de Orquídeas Brasileiras 19: 778. 2023. Type: BRAZIL. Bahia: Camacã, 600m, fl. cult. X.2020, Fernandes, L. s.n. (holotype ESA [not located] [illustration!]). **syn. nov.**

Dryadella aviceps (Rchb.f.) Luer, 1978

Dryadella aviceps (Rchb.f.) Luer, Selbyana 2: 208, 1978b. = *Pleurothallis aviceps* Rchb.f. Bradea 1579 (1871). = *Masdevallia aviceps* (Rchb.f.) Rchb.f., Otia Bot. Hamburgensia 2:93 (1878). Type: BRAZIL. Without locality, Bowmann 1633 (Holotype: W, Reichenbach: herbarium orchid. 50983 drawing 1833 [digital image!]).

= *Masdevallia obrieniana* Rolfe, Gard. Chron. 8: 524 (1890). = *Masdevallia simula* var. *obrieniana*

(Rolfe) Kraenzl. Repert. Spec. Nov. Regni Veg. Beih. 34: 192 (1925). Holotype: Without locality, flowered in cultivation in 1890 from the collection of R.I. Measures (K77697!).

= *Masdevallia sessilis* Barb.Rodr., Plantas novas cultivadas no Jardim Botânico do Rio de Janeiro 6: 17, t.3, fig.b. (1898). Holotype: BRAZIL, Rio de Janeiro: Itaguay, João Barbosa Rodrigues Junior (lost). Lectotype: Barbosa Rodrigues' original drawing, which appeared in his work "Pl. Jard. Rio de Janeiro 6: 17 (1898)".

= *Masdevallia paulensis* Barb.Rodr. Contributions du Jardin Botanique de Rio de Janeiro 2: 51, t.6, fig. a1-6 (1901). (Holotype: BRAZIL, M.G. Edwall (lost). Lectotype: Barbosa Rodrigues' original drawing, which appeared in his work "Contributions du Jardin Botanique de Rio de Janeiro" 2: 51, t.6, fig. a1-6 (1901).

= *Masdevallia bradei* Schltr. ex Hoehne (1936: 32). Boletim do Museu Nacional de Rio de Janeiro. Botânica 12(2): 32 (1936). Holotype: BRAZIL, São Paulo: Iguape, A.C. Brade (Isotype HB 8058!).

= *Dryadella espirito-santensis* (Pabst) Luer, Selbyana 2: 208 (1978a). = *Masdevallia espirito-santensis* Pabst. Bradea, Boletim do Herbarium Bradeanum 1(31): 329. 1973. Holotype: BRAZIL. Espírito Santo: Redentor, near Pedra Azul. Alt. 1200 m, R. Kautsky 381b (HB58522!).

= *Dryadella gomes-ferreirae* (Pabst) Luer, Selbyana 2: 208 (1978a). = *Masdevallia gomesii-ferreirae* Pabst, Additamenta ad orchideologiam brasiliense 2: 10, t. 49, fig. f (1975). Holotype: BRAZIL. Pernambuco: without locality, collected by Severino Parasita, cultivated by Burle Gomes-Ferreira 294 (HB, lost). Lectotype: Pabst's original drawing, which appeared in Bradea 2(10): 51, t.1, fig. f. (1975)

= *Dryadella silvana* F. Barros, Revista Brasileira de Botânica 18(1): 35 (1995). Holotype: BRAZIL. Bahia: Sul do estado, E.F. da Silva (SP267767!).

= *Dryadella litoralis* Campacci, Coletânea de Orquídeas Brasileiras 5: 154 (2007). Holotype: BRAZIL. São Paulo: Bertioga, 10-50m, cultivated by S.P. dos Santos, SPS-035 (SP402125 [digital image!]).

= *Dryadella storchiana* Campacci & D.E.Rodrigues, Coletânea de Orquídeas Brasileiras 19: 782. 2023. Type: BRAZIL. Espírito Santo: Ibirapu, 500m, fl. cult.

I.2021, Westphal, J. s.n. (holotype ESA [not located] [illustration!]). **syn. nov.**

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Conflicts of interest

The authors declare no conflicts of interest.

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