

Nomenclatural notes on Laeliinae-IX. New combinations in *Cattleya* and *Laelia* (Orchidaceae, Laeliinae)

Cássio van den Berg

Departamento de Ciências Biológicas,
Universidade Estadual de Feira de Santana,
Av. Transnordestina s.n., 44036-900, Feira
de Santana, Bahia, Brazil.

Correspondence: vcassio@gmail.com

ABSTRACT

In this paper I propose two new combinations in *Cattleya* and one in *Laelia* which are required to include the affected taxa in the *Flora e Funga do Brasil* online project.

1 | INTRODUCTION

Cattleya L. in its broad sense circumscription (van den Berg 2008; van den Berg *et al.* 2009) includes *Sophranitis* Lindl. and Schlechter's (1917) sections of *Laelia* Lindl. from Brazil. Due to the ongoing efforts on the online monograph of *Cattleya* (van den Berg 2022a) for the *Flora e Funga do Brasil* (<https://floradobrasil.jbrj.gov.br/>), there is a need for new combinations to include recently described taxa proposed in *Hoffmannseggella* H.G.Jones. In a similar fashion, a new combination is necessary in *Laelia* to include a new Brazilian species described in *Schomburgkia* Lindl. by Pessoa *et al.* (2022), since the Brazilian species of this lineage are currently circumscribed in *Laelia* (Peraza-Flores *et al.* 2015; van den Berg 2022b).

2 | TAXONOMY

Cattleya rodriguesii (Rosim) Van den Berg, **comb. nov.**

Basionym: *Hoffmannseggella rodriguesii* Rosim, *Orchidophile* (Argenteuil) 51: 155. 2020.

Cattleya dacruzii (Rosim & Campacci) Van den Berg, **comb.nov.**

Basionym: *Hoffmannseggella dacruzii* Rosim & Campacci, *Coletânea de Orquídeas Brasileiras* 17: 692. 2021.

Laelia vandenberghiana (E.M.Pessoa, V.Brito & Ralf-Neto) Van den Berg, **comb.nov.**

Basionym: *Schomburgkia vandenberghiana* E.M.Pessoa, V.Brito & Ralf-Neto, *Phytotaxa* 561: 156. 2022.

3 | ACKNOWLEDGEMENTS

The author acknowledges CNPq (Conselho Nacional de Desenvolvimento Científico e Tecnológico) for the scientific productivity grant (PQ-1A, grant 310975/2017-4).

4 | LITERATURE CITED

- Peraza-Flores, L, Carnevali, G. & van den Berg, C. 2016. A molecular phylogeny of the *Laelia* alliance (Orchidaceae) and a reassessment of *Laelia* and *Schomburgkia*. *Taxon* 65: 1249–1262.
- Pessoa, E.M., Brito, V., Ralf-Neto, F., Fernandes, G., Gomes, G., Fraga, E., Barros, M.C. 2022. Description and phylogenetic relationships of a new, purple-flowered, endangered *Schomburgkia* (Laeliinae; Orchidaceae) from Northeastern Brazil. *Phytotaxa* 561: 151-161.
- Schlechter, R. 1917. Die Einteilung der Gattung *Laelia* und die geographische Verbreitung ihrer Gruppen. *Orchis* 11: 87-96.
- van den Berg, C. 2008. New combinations in the genus *Cattleya* Lindl. (Orchidaceae). *Neodiversity* 3: 3-12.
- van den Berg, C., Higgins, W.E., Dressler, R.L., Whitten, W.M., Soto-Arenas, M.A. & Chase, M.W. 2009. A phylogenetic study of Laeliinae (Orchidaceae) based on combined nuclear and plastid DNA sequences. *Annals of Botany* 104: 417–430.
- van den Berg, C. 2022a. *Cattleya* in **Flora e Funga do Brasil**. Jardim Botânico do Rio de Janeiro. Available from: <<https://floradobrasil.jbrj.gov.br/FB11329>>. Accessed in: 25 dec 2022.
- van den Berg, C. 2022b. *Laelia* in **Flora e Funga do Brasil**. Jardim Botânico do Rio de Janeiro. Available from: <<https://floradobrasil.jbrj.gov.br/FB31931>>. Accessed in: 26 dec. 2022.

Accepted by: Domingos B.O.S. Cardoso on 26th Dec 2022