

July 29, 2019

A New Species of *Catasetum* Rich. ex Kunth (Orchidaceae), *Catasetum pamplonaense* Sauleda, is Described From Norte de Santander, Colombia.

Ruben P. Sauleda

6440 SW 104 Ct., Miami, FL 33173.

Abstract

A new species of *Catasetum* Rich. ex Kunth (Orchidaceae), *Catasetum pamplonaense* Sauleda, is described from the department of Norte de Santander, Colombia.

The number of species in the genus *Catasetum* has been changing rapidly as new species are being discovered. The World Check List of Selected Plant Families lists 181 taxa and 29 for Colombia. Ortiz (2015) and Betancourt et al. (2015) recognized 37 species and the latest updated list of *Catasetum* species for Colombia lists 38 taxa (Bonilla et al, 2016). The department Norte de Santander and the surrounding department seem to be rich in *Catasetum* species. This third species recently discovered in the department of Norte de Santander is here described. The other two species are *Catasetum cucutaense* Uribe-Velez & Sauleda and *Catasetum bolivarii* Uribe-Velez & Sauleda.

***Catasetum pamplonaense* Sauleda, sp. nov.**

TYPE: Colombia. Norte de Santander, near Pamplona, (Holotype, HPUJ).

Collector unknown, from cultivation in collection of Jorje Vazquez. Specimen made July 18, 2019.

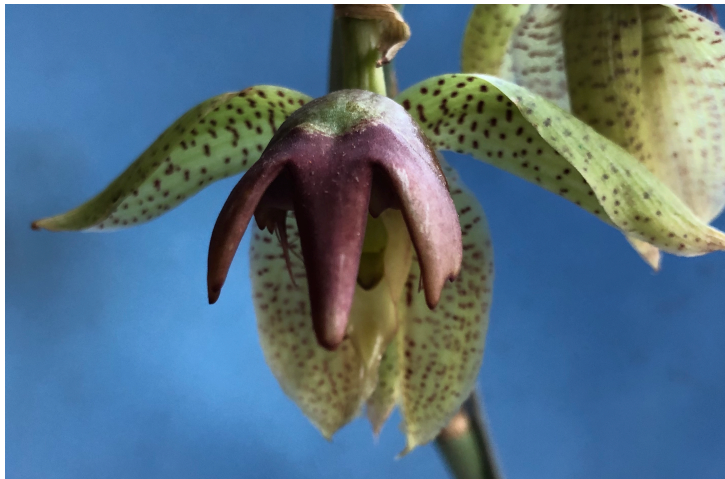
Description

Plants epiphytic; to 45 cm tall; rhizomatous, secondary stems modified into pseudobulbs to 18 cm long, 4 cm thick, stout, aggregate, multi-annulate, multifoliate, elliptic, erect, with an acute apex, covered by scarious imbricated-leaf sheaths; leaves 7-8 on each pseudobulb, to 28 cm long, 5 cm wide, membranous, oblong-ob lanceolate, basally narrowed, apically acute, margin entire, with several thin ribs; inflorescence from base of pseudobulb, to 45 cm tall, raceme multiflowered, erect, to 6 flowers; floral bracts 2.5 cm, long 5 mm wide, lanceolate, acute, tightly sheathing the pedicels; pedicel 2 cm long, 3 mm thick, cylindrical, gently curved; flowers resupinate, to 7 cm wide, 7.5 cm tall, green to greenish-yellow with reddish-brown spots on sepals and petals; dorsal sepal to 4.2 cm, long 1.2 cm wide, slightly concave, elliptic, acute, partially covering the petals; lateral sepals to 4 cm long, 1.2 cm wide, concave, oblong-ob lanceolate, acute, margins reflexed; petals to 4 cm long, 2 cm wide, concave, oblong-elliptic, acute; labellum to 3.2 cm wide, 4 cm tall, fleshy, oblong, saccate, side border basally

fimbriated turned upward, terminating in three apical fleshy points, central point longer and thinner than the two shorter points on either side, central point subacute, two lateral points terminating in one to three points, dark reddish-brown, with a narrow and deep (9 mm) sacciform portion, center of cavity greenish-yellow with dark reddish-brown horizontal stripes; column greenish-white, to 2.4 cm long, 1 cm wide, fleshy, operculate, elliptic, apiculate towards the apex; rostellum 5 mm wide; antennae 2 cm long, spreading; anther cap 1.2 cm long, 5 mm wide, rectangular with a beak; pollinia 2, 4 mm long, 2.5 mm wide, yellow.

Diagnosis

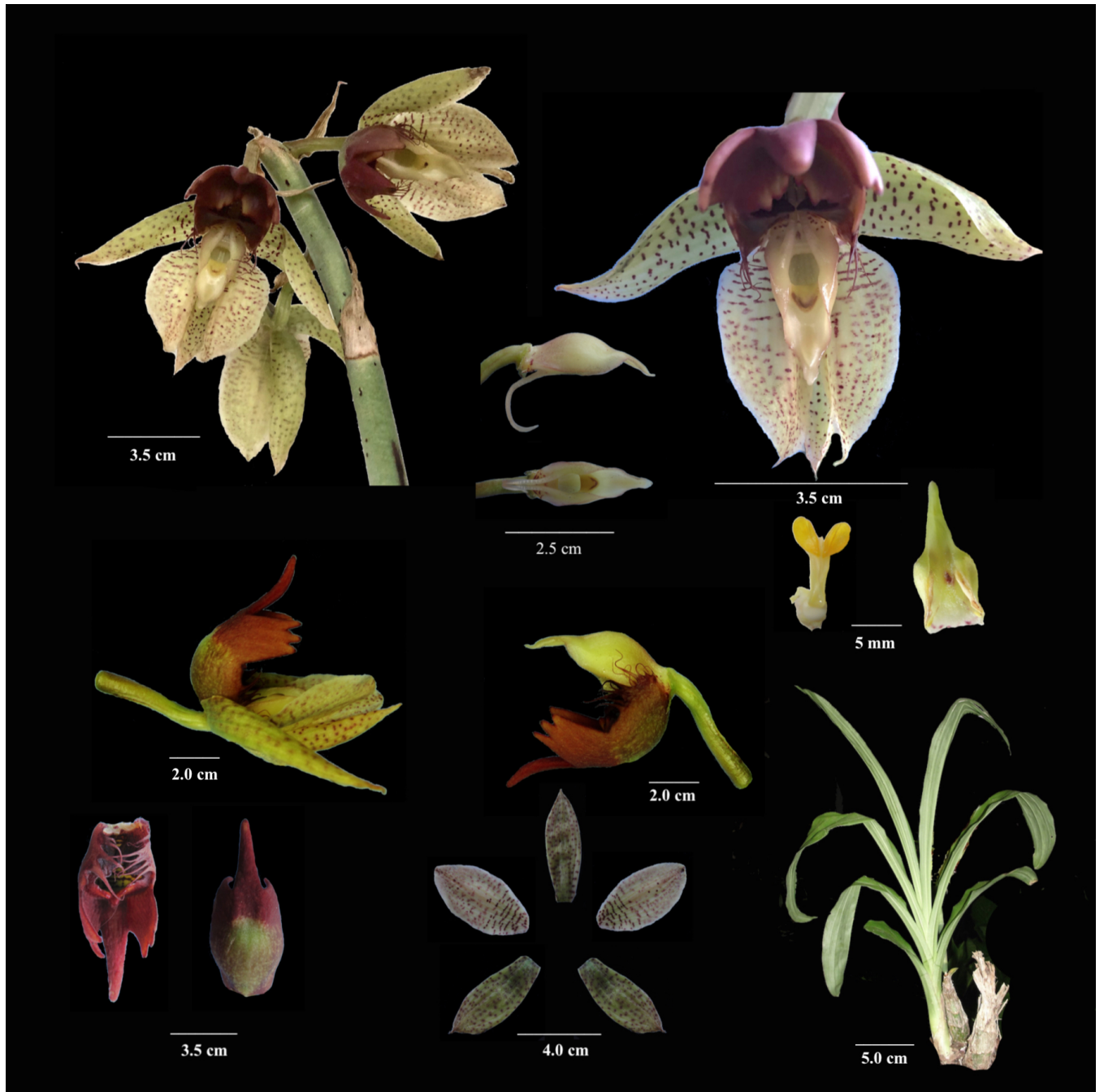
Catasetum pamplonaense Saulea is similar to *Catasetum cucutaense* Uribe-Velez & Saulea, but differs significantly in the shape of the lateral edges of the apex of the labellum and number of flowers per inflorescence. *Catasetum pamplonaense* carries 3-6 widely spaced flowers, *C. cucutaense* will carry up to 18 flowers closely bunched. The apex of the labellum of *C. pamplonaense* terminates in three fleshy appendages with the apical appendage being subacute and the two lateral appendages terminating in 1-3 points. The lateral appendages of *C. cucutaense* are short and have a fimbriated edge. The apical tip of the labellum of *C. cucutaense* is shorter and broader than in *C. pamplonaense*.



Catasetum pamplonaense Saulea.



Catasetum pamplonaense Saulea.



Catasetum pamplonaense Saulea.



Catasetum cucutaense Uribe-Velez & Sauleda.



Catasetum bolivarii, Uribe-Velez & Sauleda.

Literature Cited

Betancur, J., Sarmiento, H., Toro-González, L. & Valencia, J. (2015). Plan para el estudio y la conservación de orquídeas en Colombia. Universidad Nacional de Colombia, Facultad de Ciencias, Instituto de Ciencias.

Bonilla, M. M., Aguirre, A. C., Yepes, D., Gallego, E., Otero, T. (2016). Catasetum (Orchidaceae: Catasetinae) En Colombia: Lista Actualizada, Universidad Militar Nueva Granada, Vol. 12, No. 1.

Ortiz, P. (2015). Catasetum. In: Bernal, R., Grasdstein, S. & Celis, M. (eds). Catálogo de plantas y líquenes de Colombia. Bogotá, Instituto de Ciencias Naturales de Colombia. Available at: <http://catalogoplantascolumbia.unal.edu.co>.