

Catasetum taquariense Bicalho, Barros & Moutinho (Orchidaceae), a New Species From Brazil

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In this work, the authors describe and illustrate a new species of the orchid genus *Catasetum* L. C. Rich. ex Kunth: *Catasetum taquariense* Bicalho, Barros & Moutinho.

This species has been known for a fairly long time under cultivation and comes from the states of Mato Grosso and Minas Gerais, in Brasil.

Catasetum taquariense Bicalho, Barros & Moutinho, *sp. nov.* Epiphyticum; *foliis* membranaceis, ellipticis, 3-nerviis et multi-nervulosis, acuminatis, basin versum in pseudo-petiolum angustatis, apicale ca. 24,0 cm longae, 2,5 cm latae, inferioribus minoribus; *racemo* erecto, in specime nostro 8-floribus, ca. 13,0 cm longo, scapo glabro; *bracteis* anguste triangularibus, ca. 1,2 cm longis, 0,3 cm latis; *floribus* masculis resupinatis, viride-flavescentibus, vinaceo-punctatis; *sepalis* membranaceis, erectis, elliptico-lanceolatis, apice breviter apiculatis, dorsali 3,5 cm longae, 1,3 cm latae, lateralibus ca. 3,5 cm longo, 1,4 cm lato; *petalis* oblanceolatis, apice breviter apiculatis, ca. 3,6 cm longis, 1,3 cm latis; labello ambito subcordiforme, sacciforme, carnosum, trilobatum, basi leviter cordatum, lobis lateralibus sub-erectis, rotundatis, margine serrulato-denticulatis, lobo intermedio projecto, ligulato, margine retrorsa; toto labello explanato ca. 3,3 cm longo, 3,0 cm lato; *columna* generis, apice rostrata, ca. 3,0 cm longa; *cirris* parallelis, ca. 1,6 cm longis, labelli sacciformis imo attingentibus; *pedicelis* teretibus, ca. 2,0 cm longis; *flores* femineis et capsula non vidi.

HOLOTYPUS: BRASIL — Mato Grosso do Sul; ad margines rivuli Taquari, II. 1980, col. V.P. Castro s.n. (HB70517)

PARATYPUS: BRASIL — Mato Grosso do Sul; ad margines rivuli Taquari, floruit in cultivatione, 11. III. 1981, col. E. L. M. Catharino s.n. (SP170302). Minas Gerais —

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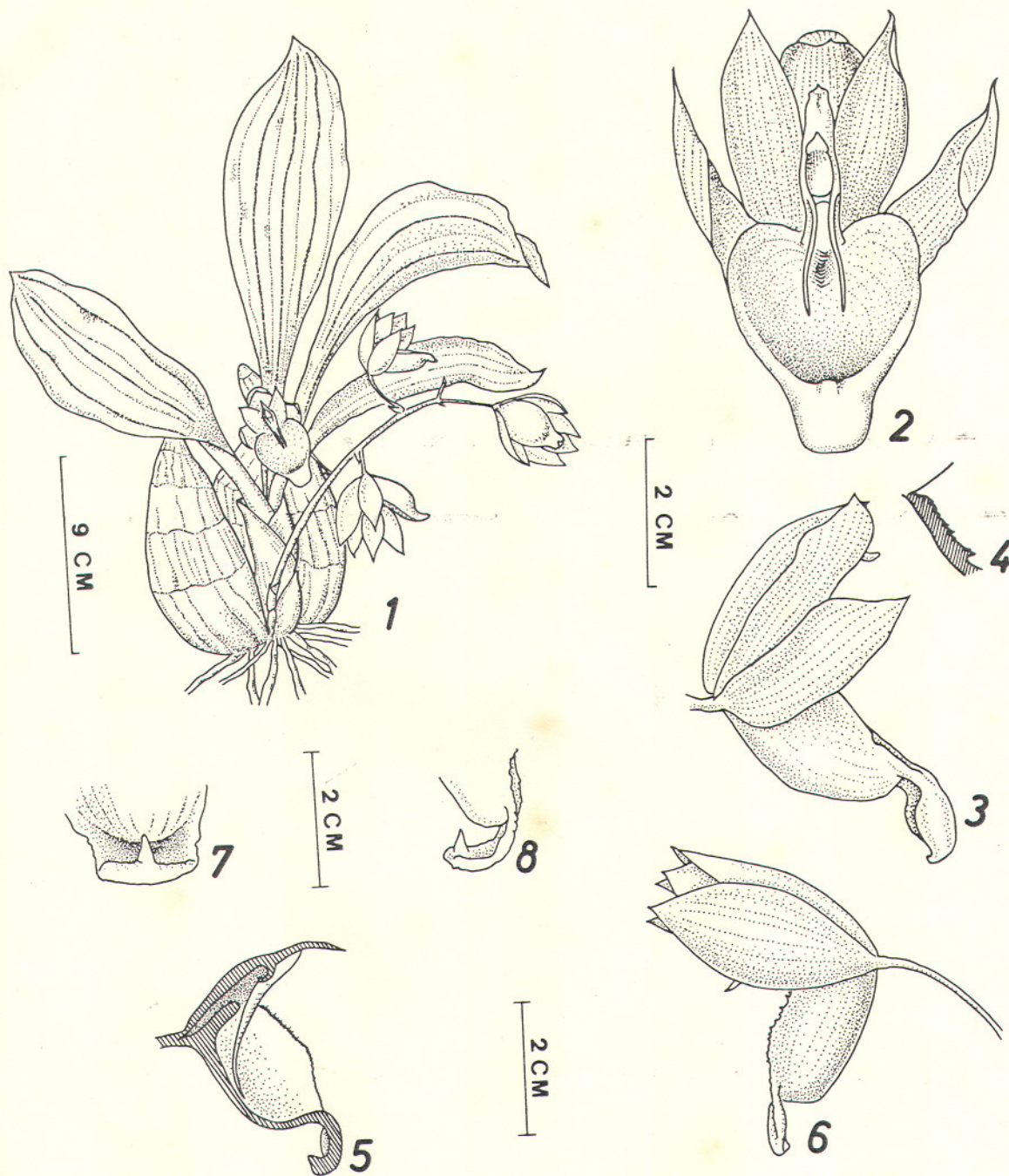
Cruzeiro da Fortaleza; Corrego do Jacu, 31-V-1976, col. M. F. Silva s.n. (SP175569).

In the following English description, we have intermixed observations and measurements obtained from plants other than the Holotype.

Plant epiphytic. Roots fleshy, glabrous, white. Rhizome very short. Pseudobulbs narrowly, ovoid, 11.0-13.0 cm long, 3.5-3.7 cm wide. Leaves membranaceous, elliptic, acuminate, attenuate at base, with three main and many thin nerves; the apical leaves 22.0-24.0 cm long, 2.5-4.5 cm wide, diminishing from apex to base. Raceme erect with 5-13 flowers, scape glabrous with three membranaceous, obliquely truncate, narrowly triangular shoots 10.0 mm long and 4.0 mm wide. Male flowers resupinate, sepals yellow-green, membranaceous, erect, elliptical-lanceolate, shortly apiculate, 3.2-3.5 cm long, 1.2-1.5 cm wide, the lateral sepals a bit smaller than the dorsal. Petals oblong-lanceolate, shortly apiculate, 3.2-3.6 cm long, 1.3-1.7 cm wide, entirely yellow-green and spotted with red-brown. Lip sub-cordiform, saccate, fleshy, trilobed, the base rather cordate; lateral lobes sub-erect, rounded, with serrulate-denticulate margins; median lobe projected, ligulate, with retrorse margins, 3.0-3.3 cm long and 2.5-3.0 cm wide when expanded, yellow-green, with red-brown spots and marks internally. Column typical, rostrate, 2.5-3.0 cm long, cirrhi 1.3-1.6 cm long, reaching the depth of the lip concavity; pedicel cylindrical, 2.0 cm long. Female flowers and capsules not seen.

This species is closely related to *C. spitzii* Hoehne (1941) from which it differs by the smaller flowers, the color of the sepals and petals, the deep concavity of the labellum which has no ciliate margins, the slightly thick apical lobe and the non prominent calosity.

The fact of the antenna-like projections of the column being parallel and symmetrical places this species in subsect. *Isoceras* (Sect. *Meizocatasetum*) according to the general organization of the genus proposed by Mansfeld (1932).



FIGS. 1-8: *Catasetum taquariense* Bicalho, Barros & Moutinho. 1. General view; 2. flower in front view; 3. longitudinal section of the lip callus; 4. flower in lateral view; 5. longitudinal section of flower; 6. flower in lateral view; 7. mid-lobe of the lip in back view; 8. mid-lobe of the lip in lateral view. (1 and 2 from SP 170302; 3 and 4 from HB 70517 — HOLOTYPE; 5 from SP 170318; 7 and 8 from living material).

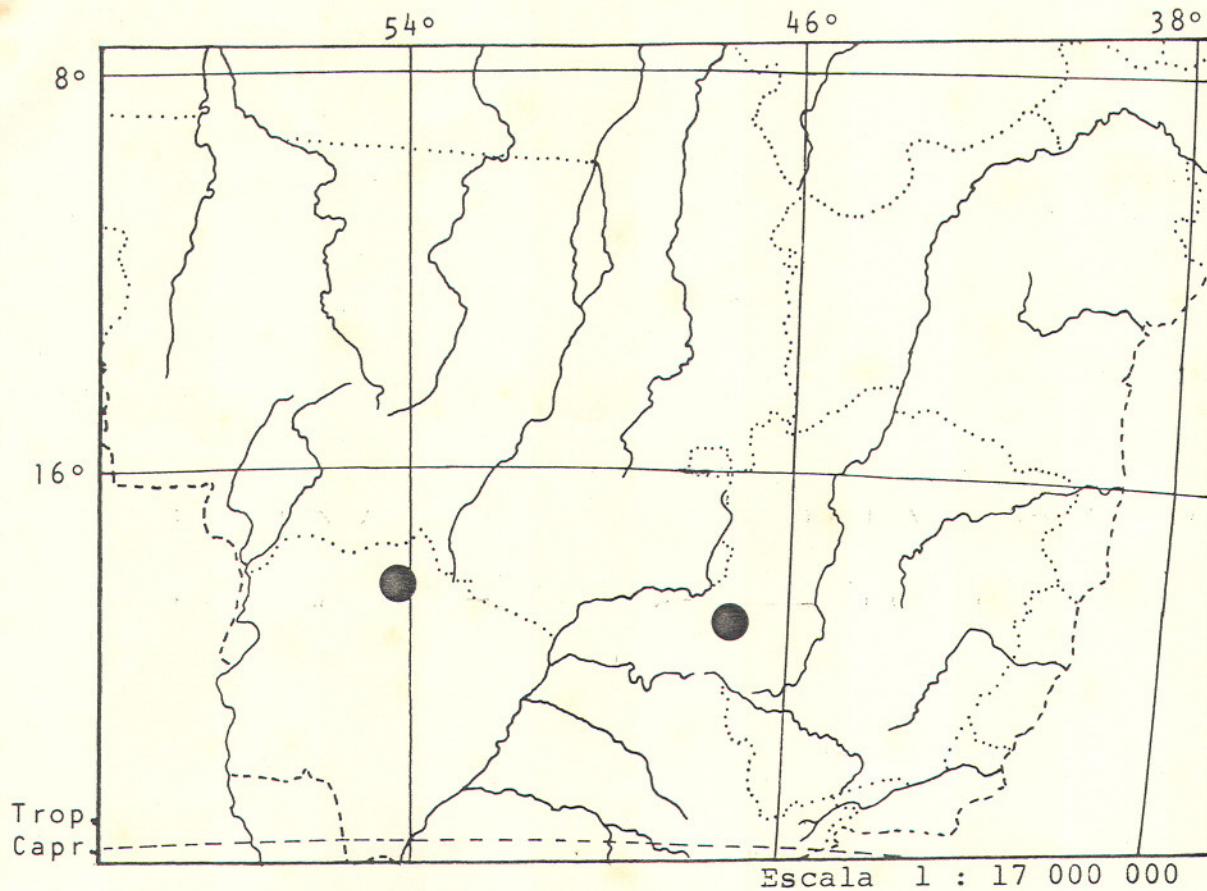


FIG. 9: Map showing the known distribution of *Catasetum taquariense* Bicalho, Barros & Moutinho.

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