

**Zeitschrift:** Candollea : journal international de botanique systématique = international journal of systematic botany

**Herausgeber:** Conservatoire et Jardin botaniques de la Ville de Genève

**Band:** 46 (1991)

**Heft:** 1

**Artikel:** A study on Brazilian Passifloraceae : Dilkea margaritae A. C. Cervi, spec. nov.

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**DOI:** <https://doi.org/10.5169/seals-879810>

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# A study on Brazilian Passifloraceae, *Dilkea margaritae* A. C. Cervi, spec. nov.

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## ABSTRACT

CERVI, A. C. (1991). A study on Brazilian Passifloraceae, *Dilkea margaritae* A. C. Cervi, spec. nov. *Candollea* 46: 61-63. In English, English and Spanish abstracts.

A new species for the Passifloraceae family is described in the State of Mato Grosso. The holotype of *Dilkea margaritae* is registered in the National Museum Herbarium in Rio de Janeiro, No. 163.374, collected by Margarete Emmerich et alii, in July 26, 1986, in Vila Bela de Santissima Trindade, Chapada dos Parecis, Uirapuru, Mato Grosso, Brasil. *Dilkea margaritae* is similar to *Dilkea johannesii* Barb. Rodr. and *Dilkea acuminata* Masters, the main differences being the type of inflorescence, size of petals and sepals, and size and shape of corona filaments. *Dilkea margaritae* is dedicated to Dra. Margarete Emmerich, who collected the holotype.

## RESUMO

CERVI, A. C. (1991). Estudo sobre Passifloraceae brasileira, *Dilkea margaritae* A. C. Cervi, spec. nov. *Candollea* 46: 61-63. En inglés, resúmenes en inglés y en português.

É descrita para o Estado de Mato Grosso uma nova espécie para a família Passifloraceae: *Dilkea margaritae*. O holotipus de *Dilkea margaritae* se encontra registrado no herbário do Museu Nacional do Rio de Janeiro (R), sob o número 163.374, coletado por Margarete Emmerich et alii, em 26.7.1986, no município de Vila Bela Santíssima Trindade, Chapada dos Parecis, Uirapuru, Estado do Mato Grosso, Brasil. *Dilkea margaritae* revela-se próxima de *Dilkea johannesii* Barb. Rodr. e *Dilkea acuminata* Masters, situando as principais diferenças no tamanho das folhas, tipo de inflorescência, tamanho de sépalas e pétalas e forma e tamanho dos filamentos da coroa. *Dilkea margaritae* é dedicada a Dra. Margarete Emmerich, coletora do holotipus.

## *Dilkea margaritae* A. C. Cervi, spec. nov. (Fig. 1).

Planta subarborescente. Caulis glaber. Petiolus 0.2-0.5 cm long. Folia simplicia, ovata, subdura, glabra, 7-12 cm long. × 2.5-3.5 cm lat., vertice obtuso. Flores solitarii axillares. Pedunculus 3.5-6.5 cm long., articulatus. Bractae duae, oppositae, 1.0-1.2 mm long., pilosae in facies adaxiali, glabrae in facies abaxiali. Sepalae quattuor, 1.0-1.2 cm long. × 0.5-0.6 cm lat., pilosae in facies adaxiali, glabrae in facies abaxiali. Petala alba quattuor, 1.0 cm long. × 0.4 cm lat. Corona filorum duabus seriebus. Exterior series fasciculus tribus filorum filiformium instructa; interior series fasciculus quinque usque sex filorum, membrana 3 mm alt. coniuncti in basi, intructa. Ovarius ovatus, subsessilis.

Low shrub. Glabrous branches, tendrils present; petioles 0.2 to 0.5 cm long, glandless. Plain leaves, ovate, subcoriaceous, glabrous, 7 to 12 cm long and 2.5 to 5.3 cm wide, obtuse acuminate, slightly mucronated, narrowed at base, diverged, ascendant nervure, anastomosing at 2 mm of edge. Solitary axilar flowers; peduncle 3.5 to 6.5 cm long, articulate at 0.6 to 1.2 cm of base of flower. Bracts in number of two, opposite, 1.0 to 1.2 mm long, located at the peduncle articulation, setaceous, glabrous at the abaxial face and pilous at the adaxial face, hirsute hair. Four white petals 1.0 cm long and 0.4 cm wide, glabrous; corona in two series of ochre colour; the outer rank

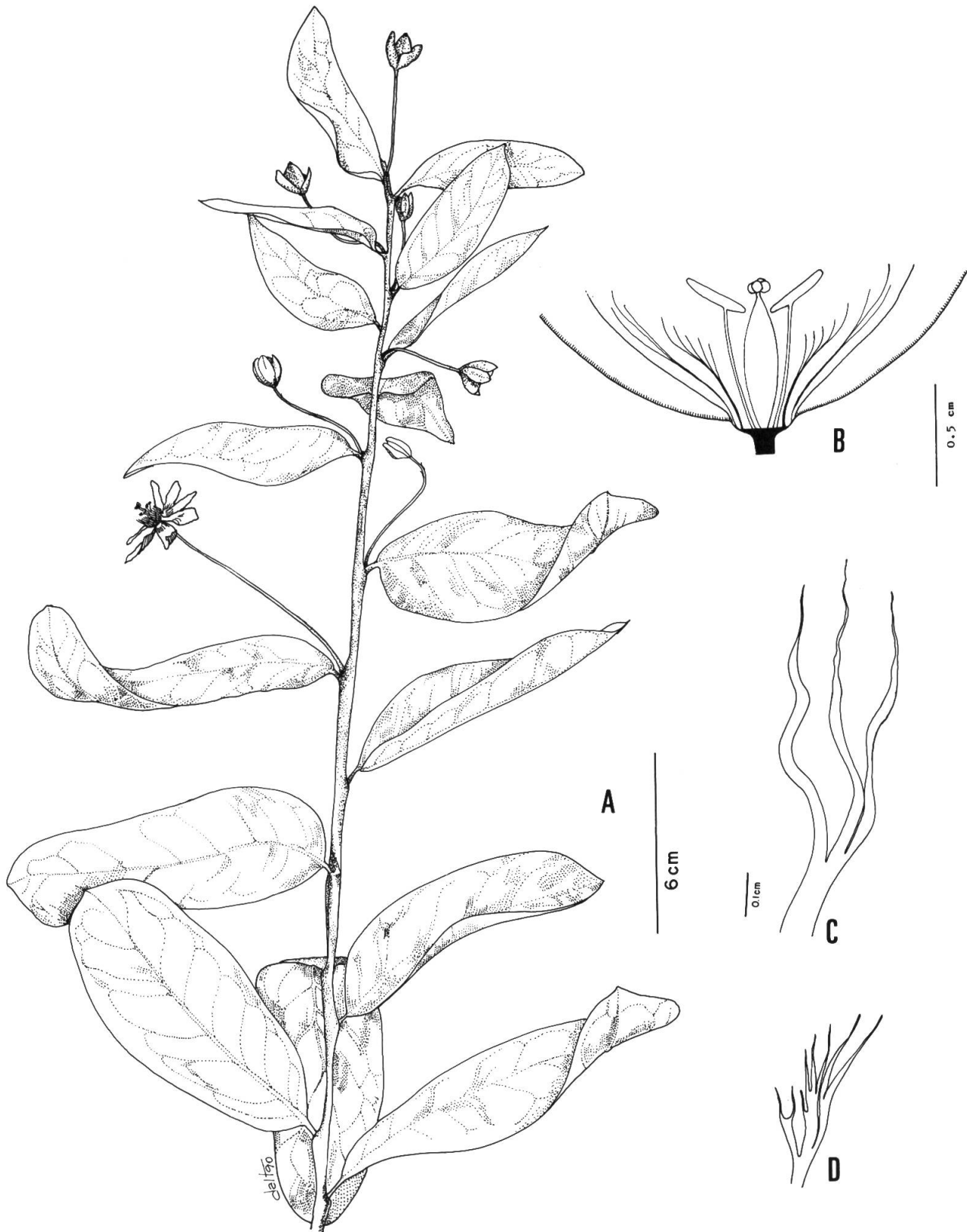


Fig. 1. — *Dilkea margaritae* A. C. Cervi  
 A, habitus (UPCB 16726); B, schematic detail of the flower; C, detail of the outer rank filaments; D, detail of the inner rank of filaments.

consisting of three filamentous threads, bound at the base; the central inner rank being 0.9 cm long and the two lateral filaments being 0.7 cm long. The inner series is formed by 5 to 6 filaments of different length, the longer being 0.6 cm and the others about 0.4 cm, joined at the base by a 3 mm high membrane. Stamens 8, yellow, thread 0.7 cm long, yellow linear anthers. Ovoid ovary, sub-sessile, 0.6 cm long and 0.2 cm wide, yellow, glabrous, styles 4, capitate, half-way joined, yellow; stigmas 4, capitate, yellow. Fruit not seen.

*Habitat.* — Brasil: Estado do Mato Grosso, Município de Vila Bela da Santíssima Trindade, Chapada dos Parecis, Uirapuru. Leg. *M. Emmerich 5992* et alii. Holotypus R 163.374; isotypus: UPCB, MBM, G, K.

*Observation.* — *Dilkea margaritae* A. C. Cervi is more strictly related to the following species: *Dilkea johannesii* Barb. Rodr. and *Dilkea acuminata* Masters.

It is distinguished from *Dilkea johannesii* Barb. Rodr. in the size of leaves, type of inflorescence, size of petals and sepals, and shape of filaments. It is also different from *Dilkea acuminata* Masters in the size and shape of leaves, sepals and corona filaments.

We dedicate this species to our friend Dra. Margarete Emmerich, National Museum, Rio de Janeiro, Brasil, who collected the type sample.

#### ACKNOWLEDGEMENTS

We are very thankful to Professor Ida Cristina Gubert for helping us in writing this text in English and to Professor Olavo Araujo Guimaraes for suggestions and the critical reading of this text.

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