



Two new species of *Gurania* (Cucurbitaceae) from South America

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Abstract

During the analysis of European and American herbaria collections for a taxonomic review of the Brazilian species of *Gurania*, two new South American species were found. *Gurania jeffreyi* occurs in Ecuador and Colombia and *Gurania calathina* is found only in Colombia. Descriptions and illustrations of the new species are presented with comments on affinities and differences between them and related species.

Resumo

Durante a análise de coleções de herbários Europeus e Americanos para a revisão taxonômica das espécies Brasileiras de *Gurania*, duas novas espécies da América do Sul foram encontradas e são descritas aqui. *Gurania jeffreyi* ocorre no Equador e Colômbia e *Gurania calathina* é encontrada somente na Colômbia. São apresentadas descrições e ilustrações das espécies novas e comentários sobre afinidades e diferenças entre elas e espécies relacionadas.

Key words: Colombia, Coniandreae, Ecuador, Guraniinae, liana

Introduction

Gurania (Schlechtendal 1852: 789) Cogniaux (1875: 239) is a Neotropical genus with 35 species (Jeffrey 1978) with occurrence in humid forests at different elevations, from Belize and Mexico south to Bolivia and southern Brazil, the last being its supposed center of diversity.

Gurania species are easily recognized by the presence of simple tendrils, an orange hypanthium and sepals which are larger than the yellow petals and by two sessile anthers.

The genus has been traditionally included in subtribe Guraniinae, tribe Coniandreae, together with *Hemontia* Cogniaux (1875: 139) and *Psiguria* Arnett (1841: 274) (Jeffrey 2005) supported by pollen and flower morphology. Currently, the monophyly of tribe is supported by molecular data but the relationship at generic level is not clarified (Kocyan *et al.* 2007; Steele 2010).

Gurania was divided by Cogniaux (1877) into six groups based on anther morphology, but these groups have not been formally established.

During the analysis of *Gurania* specimens in European and American Herbaria (AAU, BM, HUA, K, LL, MO, NY, QCA, QCNE, US, WIS.) for a taxonomic review of the Brazilian species (in prep.), two new species from South America were found and are here described and illustrated.

Taxonomy

Gurania calathina M. Nee & Gomes-Costa, *sp. nov.* (Fig. 1A–G)