



New combinations in the genus *Goeppertia* (Marantaceae)

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Abstract

Calathea basiflora, *C. rhizanthoides* and *C. peregrina* were recently described for the Flora of Panama and because the majority of the species of *Calathea* are now placed in *Goeppertia*, the combinations for these species are hereby provided.

Introduction

Calathea Meyer (1818: 6) *s.l.* is known to be paraphyletic in its traditional circumscription (Andersson & Chase 2001, Prince & Kress 2006a, Prince & Kress 2006b), having occurred in several proposed infrageneric classifications, of which those of both Bentham (1883) and Schumann (1902) stand out. The latest revision of the genus, albeit only for Ecuador, was carried out by Kennedy (1988), in which she suggested an informal classification. Here she formed some groups of species with similar morphology and clarified the delimitation of infrageneric taxa of *Calathea s.l.* However, on the basis of molecular phylogeny, Borchsenius *et al.* (2012) recently proposed a redefinition of the generic limits of *Calathea* and resurrected the genus *Goeppertia* Nees (1831: 337) for most species previously treated as *Calathea* (placed in his *Calathea* Clade I; Borchsenius *et al.* 2012). With this new circumscription, *Goeppertia* has become the largest genus of Marantaceae.

In this context and based on Borchsenius *et al.* (2012), Braga (2012) and Albuquerque *et al.* (2013), the transfer of some species recently described by Kennedy (2012a, 2012b) for the *Flora of Panama* is proposed here. These were previously included in *Calathea* sect. *Breviscapus* Bentham (1883: 654), which is synonymous to *Goeppertia*.

Taxonomy treatment

Goeppertia basiflora (H.Kenn.) J.M.A.Braga, *comb. nov.*

Basionym: *Calathea basiflora* Kennedy (2012: 375).

Type:—PANAMA. San Blas: Río Playón Chico, Campamento Nebba Dummat, Filo del Sureste, 200–400 m, 09°14'N, 78°15'W, 10 July 1994, H. Herrera 1661 (holotype PMA, isotypes MO! [image], PMA).

Goeppertia rhizanthoides (H.Kenn.) J.M.A.Braga, *comb. nov.*

Basionym: *Calathea rhizanthoides* Kennedy (2012: 49).

Type:—PANAMA. Panama: km 16 on the road to Cartí (El Llano–Cartí Rd.), wet forest, 350 m, 09°17'50"N, 78°56'35"W, 23 March 1973, H. Kennedy & R.L. Dressler 2908 (holotype PMA, isotypes MEXU, MO! [image], UCR).

Goeppertia peregrina (H.Kenn.) J.M.A.Braga, *comb. nov.*

Basionym: *Calathea peregrina* Kennedy (2012: 51).

Type:—PANAMA. Darien: Masargandi at Río Masargandi, tributary of Río Sucubti, Masargandi, 200 m, 3 February 1977, R.L. Dressler 5600 (holotype MO! [image]).

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