



Nomenclatural corrections in Mesoamerican Plantaginaceae and a new species of *Tetranema* from Honduras

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Abstract

Study of the Plantaginaceae for the *Flora Mesoamericana* project has resulted in five lectotypifications, a new combination in *Rhodochiton*, and the discovery of a new species of *Tetranema* from Honduras. This species, *Tetranema michaelfayanum*, is described here, a key to the species of *Tetranema* is provided, and the *T. roseum* complex is discussed.

Introduction

The family Plantaginaceae *sensu* APG III (2009) and as discussed by Fay *et al.* (2010) includes a number of non-parasitic Scrophulariaceae *s.l.* In its modern sense it is difficult to define. Within the *Flora Mesoamericana* area (Chiapas, Tabasco, Yucatan peninsula, Belize, Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica and Panama) Plantaginaceae includes 25 genera; apart from the type genus *Plantago* L. (with 3 native and 2 introduced species), the genera: *Achetaria* Cham. & Schltld. (1 species), *Angelonia* Humb. & Bonpl. (3 native species), *Antirrhinum* L. (1 introduced species), *Bacopa* Aublet (9 species), *Benjaminia* Mart. ex Benj. (1 native species), *Callitriche* L. (2 confirmed native species), *Conobea* Aublet (1 native species), *Cymbalaria* Hill. (1 introduced species), *Darcya* B.L.Turner & C.Cowan (2 native species), *Digitalis* L. (1 introduced species), *Gratiola* L. (1 native species), *Lophospermum* D.Don ex R.Taylor (2 native species), *Maurandya* Ortega (2 native species), *Mecardonia* Ruiz & Pavón (1 native species), *Penstemon* Schmidel (2 native species), *Rhodochiton* Zucc. ex Otto & Dietr. (2 native species), *Russelia* Jacq. (ca. 12 native species), *Schistophragma* Benth. ex Endl. (1 native species), *Scoparia* L. (2 native species), *Sibthorpia* L. (1 native species), *Stemodia* L. (5 native species), *Tetranema* Benth. (4 + 1 new species), *Uroskinnera* Lindl. (2 native species), and *Veronica* L. (2 native + 5 introduced species) are revised for the flora.

During my studies of Plantaginaceae for the *Flora Mesoamericana*, I found one new species of *Tetranema*. Additionally one new combination in *Rhodochiton* is proposed and five species are typified.

A new species of *Tetranema*

Introduction

Tetranema Benth. in Lindley (1843) is a small genus with five species occurring only in Mexico and Central America. It occurs from Puebla and Veracruz in Mexico south to Costa Rica. The genus was first thought to be part of Gesneriaceae when *Episcia rosea* Martens & Galeotti (1842: 39) was published. *Tetranema mexicanum* Benth. in Lindley (1843) was first mentioned as a member of Scrophulariaceae. No