**Petrocodon lancifolius** (Gesneriaceae), a new species endemic to a central subtropical zone of Guizhou Province, China

FANG WEN1, GUI-YOU LIANG1 & YI-GANG WEI*1

1Herbarium, Guangxi Institute of Botany, Guangxi Zhuang Autonomous Region and Chinese Academy of Sciences, 541006, Guilin, China. E-mail: wenfang760608@139.com, jimylu@126.com, weiyigang@yahoo.com.cn

*Author for Correspondence.

**Abstract**

A new species of Gesneriaceae from southern China, *Petrocodon lancifolius*, is described and illustrated. It is similar to another stenochoric species, *P. scopulorum*, but is differentiated from its congeners by several characters, such as the shape of the leaf blades, the indumentum of peduncle, pedicels, the outside of bracts and corolla, the corolla shape, limb and lobes, the ovary, pistil, style, and phenology. A description of *P. lancifolius*, together with illustrations, a distribution map, habitat description, conservation assessment and a diagnostic comparison with *P. scopulorum* are presented.

**Key words:** Conservation Status, Limestone flora, Taxonomy

**Introduction**


During a botanical investigation in 2009 for endemic plants of Guizhou province, some specimens of an unknown species in Gesneriaceae were collected in Huishui County from the central of Guizhou Province, China. The reproductive organs of this species, especially its stamens, look like those of *P. scopulorum* (Chun 1946: 281) Wang (1990: 136), however the morphology of their vegetative organs is very different. After consulting local and national floras and relevant literatures (Wang 1990, He & Cong 1992, Wang et al. 1998, Li & Wang 2004, Wei et al. 2010) as well as herbarium species from BJFC, HGCM, IBK, IBSC, KUN, and PE, we concluded it is a new species of *Petrocodon*. Based on a detailed comparison with the other species in this genus (Wang 1990, Wang et al. 1998, Li & Wang 2004, Wei 2007, Wei et al. 2010, Jiang et al. 2011, Wang et al. 2011), we describe and illustrate the new species, *P. lancifolius*, which is endemic to Guizhou Province, China. It is closely similar to *P. scopulorum*.

**Taxonomic Treatment**

*Petrocodon lancifolius* Fang Wen & Y.G.Wei, sp. nov. (Figure 1)

The new species differs from its relative, *P. scopulorum* (Chun) Y.Z.Wang, by its narrower leaves, leaf blades...