Primulina hochiensis var. rosulata (Gesneriaceae)—a new variety at an entrance of a limestone cave from Guangxi, China

FANG WEN1, GUO-LE QIN2, YI-GANG WEI1, GUI-YOU LIANG1 & BO GAO3

1Herbarium, Guangxi Institute of Botany, CN-541006, Guangxi Zhuang Autonomous Region, China; email: wenfang760608@139.com, weiyigang@yahoo.com.cn, jinmylu@126.com
2Department of Chemistry and Life Science, Hechi University, CN-546300, Hechi, Guangxi Zhuang Autonomous Region, China; email: qinguole2005@sina.com
3Department of Biotechnology, Guangxi University of Technology, CN-545006, Liuzhou, Guangxi Zhuang Autonomous Region, China; email: bobo8977@sina.com

Abstract

Primulina hochiensis var. rosulata, a new endemic variety from Guangxi, China, is described and illustrated. It is similar to P. hochiensis sensu stricto, but differs in lacking stolons, the different indumentum of peduncle, corolla, filament and anthers, leaf blades elliptical to slightly ovate, calyx purple, corolla white or pink, filaments geniculate close to the base, staminodes 3, and stigmas translucent to white, obtrapeziform, 2-lobed.

Introduction


Taxonomic Treatment

Primulina hochiensis (C.C.Huang & X.X.Chen) Mich.Möller & A.Weber var. rosulata F.Wen & Y.G.Wei, var. nov. (Fig. 1 & Fig. 2A–H).

The new variety differs from the typical variety, Primulina hochiensis var. hochiensis, by lacking stolons, leaf blades elliptical to slightly ovate, peduncles erect (eglandular) puberulent, pedicels ≤ 7 mm long, flowers with purple calyx, corolla white or pale pink, outside puberulent with both glandular and eglandular hairs, filaments glabrous, geniculate close to the base, staminodes 3, pistil 9.2–9.7 mm long, and stigmas translucent to white, obtrapeziform, 2-lobed.