Hoya tamdaoensis (Apocynaceae, Asclepiadoideae), a new species from Vietnam

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Abstract

A new species of Hoya R.Br. from Tam Đảo National Park (Vĩnh Phúc Province, Vietnam), Hoya tamdaoensis Rodda & T.B.Tran, is described and illustrated. It is distinguished from the morphologically similar Hoya siamica Craib by corolla size, lamina shape, coloration, and orientation of the petioles.

Key words: Hoya siamica, limestone, lithophytic, lower montane forest, Marsdenieae

Introduction

In his revision for the Flora of Indochina, Costantin (1912) listed 16 species of Hoya Brown (1810: 459) occurring in Vietnam, one of which, Hoya pseudovalifolia Costantin (1912: 139), has been synonymised with Hoya micrantha Hooker (1883: 55; Rodda & Simonsson Juhone 2013). Since then, the number of Hoya species in Vietnam has almost doubled (Phạm 2003, Phạm & Averyanov 2011, Trần et al. 2011a, 2011b, Phạm et al. 2012, Rodda 2012, Rodda et al. 2012, Rodda & Simonsson Juhone 2013, Phạm et al. 2014). The percentage of taxa endemic to Vietnam is high with only eight species also found in neighboring China (Li et al. 1995, Rodda 2012) and six in Lao PDR (Newman et al. 2007, Rodda 2012).

When an updated revision is completed, it is likely that some of the currently recognized species will be synonymised (Rodda & Simonsson Juhone 2013).

During a recent joint expedition of the Vietnam National Museum of Nature and the Singapore Botanic Gardens to Tam Đảo National Park, Vĩnh Phúc Province in September 2011, an unidentified species was collected. Upon comparison with specimens of Hoya in HN, IBSC, KUN, P, and VNM, we established that it represents a new species that is here described as Hoya tamdaoensis Rodda & T.B.Tran.

Hoya tamdaoensis Rodda & T.B.Tran spec. nov. (Figs. 1 & 2)

Similar to Hoya siamica Craib (1910: 419) in exhibiting inflorescences positively geotropic, convex, flowers numerous, corollas white, pubescent within, and leaves glabrous, but distinguished by the corolla size (1.8–2.2 cm diam. vs. < 1 cm diam. in H. siamica) and the lamina shape (base attenuate-rounded and apex caudate vs. base cuneate or acute and apex acute or acuminate in H. siamica).

TYPE:—VIETNAM, Vĩnh Phúc prov., Tam Đảo N.P., Máy Giấy trail, 1072 m, 20 September 2011, Nguyễn Quốc Bình, Jana Leong-Škorničková, Trần Hữu Đăng VNM-B1465 (holotype, SING!; isotypes HN!, VNMN!).