



NOTE

Oldenlandiopsis Terrell & W. H. Lewis (Rubiaceae), a Newly Recorded Genus in Taiwan

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Abstract: *Oldenlandiopsis callitrichoides* (Griseb.) Terrell & W. H. Lewis (Rubiaceae) was found naturalized in the lowlands of northern and southern Taiwan. This represents a new record not only for this species but also for the genus on this island. A taxonomic account of *O. callitrichoides* is treated in this study. A line-drawing, photographs and distribution map of this species are also provided to aid in identification.

Key words: New record, *Oldenlandiopsis callitrichoides*, Rubiaceae, Taiwan.

INTRODUCTION

After "A Checklist of the Vascular Plants of Taiwan" (Boufford et al., 2003), "A Synopsis of Taiwan Seed Plants" (Yang et al., 2008), and "Family and Genus Flora of Taiwan Seed Plants" (Yang et al., 2009) were published, six newly recorded genera were reported for the flora of Taiwan (*Ensete*: Chen et al. 2007; *Flaveria*: Tseng et al., 2008; *Melampyrum*: Chen and Wang, 2009; *Rivina*: Tseng et al., 2008; *Spartina*: Hildemar et al., 2009; *Pseudoconyza*: Jung et al., 2009). Recently *Oldenlandiopsis callitrichoides* (Griseb.) Terrell & W. H. Lewis (Hedyotideae, Rubiaceae), a tiny herbaceous plant, was found in moist urban areas of northern and southern Taiwan (Fig. 1). The genus *Oldenlandiopsis* Terrell & W. H. Lewis was established in 1990 based on *Oldenlandia callitrichoides* Griseb. (Terrell and Lewis, 1990). Several morphological features serve to distinguish *Oldenlandiopsis* from related genera in the tribe Hedyotideae, i.e. *Hedyotis* L., *Houstonia* L. and *Oldenlandia* L. (Terrell and Lewis, 1990; Terrell and Robinson, 2007). Firstly, pollen of *Oldenlandiopsis* has 8-colporate apertures, elongate ora forming a wavy equatorial band, and thinly crassimarginate (Terrell and Lewis, 1990). Secondly, the basic chromosome number of *Oldenlandiopsis* is $X = 11$, whereas that of *Oldenlandia* is $X = 9$ (Terrell and Lewis, 1990). Thirdly, capsule of *Oldenlandiopsis* is narrowly turbinate or narrowly obconic, whereas that of *Oldenlandia* is subglobose or nearly so (Terrell and Lewis, 1990; Terrell and Robinson, 2007). Having considered relevant literature (Proctor, 1984; Terrell and Lewis, 1990; Stevens and Ulloa, 2001; USDA-

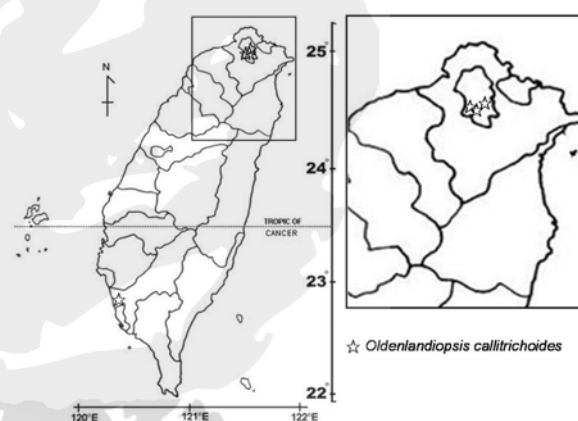


Fig. 1. Distribution of *Oldenlandiopsis callitrichoides* (☆) in Taiwan.

NRCS, 2004; Terrell and Robinson, 2007), we adopted the generic concept of Terrell and Lewis (1990), USDA, NRCS. (2004), Terrell and Robinson (2007) and hereby report this newly naturalized species for the flora of Taiwan. A line-drawing (Fig. 2), color photos (Fig. 3) and a distribution map (Fig. 1) of *O. callitrichoides* are also provided.

TAXONOMIC TREATMENT

Oldenlandiopsis callitrichoides (Griseb.) Terrell & W. H. Lewis. Brittonia 42 (3): 185. 1990; Terrell and Robinson, J. Bot. Res. Inst. Texas 1(1): 373-384. 2007. – *Oldenlandia callitrichoides* Griseb., Pl. Wright. 2: 506. 1862; Stevens and Ulloa, Fl. Nicaragua 85: 2247. 2001. – *Hedyotis callitrichoides*