

A New Record for the Flora of Vietnam: *Geodorum citrinum* Jacks. (Orchidaceae)

D. D. HUYEN

Institute of Ecology and Biological Resources,
18 Hoang Quoc Viet Road, Cau Giay, Hanoi, Vietnam

Abstract

Geodorum citrinum Jacks. is a new record for the orchid flora of Vietnam.

Introduction

Geodorum Jacks. (Orchidaceae) is a small genus in Vietnam, represented by five species (Averyanov and Averyanova, 2003; Ban *et al.*, 2005).

During the years 2004-2008 several expeditions have been organized in the Thai Nguyen province. Many plants have been added to the orchid living collection of the Institute of Ecology and Biological Resources (IEBR). Among them a new record in the genus *Geodorum* (Orchidaceae) for the Flora of Vietnam has been made. Thus the genus *Geodorum* in Vietnam consists of six species.

***Geodorum citrinum* Jacks.** Andr. Bot. Rep. 3, t. 626 (1811); Seidenf. in Opera Bot. 72: 55, fig. 28 (1983). **Figs. 1A-G, Plate 1A-D.**

Terrestrial **herb**, **stem** short and erect, with ovate pseudobulb; 2-4 alternate **leaves** with sheathing footstalks, ovate or oblong, 19-24 × 5-6.5 cm, apex acute; scape lateral, erect, racemes terminating in a cernuous spike, with 5-6 flowers; **flowers** 4.5-5 cm in diameter; pedicel plus ovary 1.3-1.5 cm long; sepals lanceolate, apex obtuse or acute, white green, 2.5-2.7 × 0.8-0.9 cm; petals ovate-oblong, apex obtuse, white, 2.1-2.4 × 0.8-1.1 cm; labellum ovate, 2.1-2.3 × 1.5-1.7 cm, entire, base concave and glabrous, surface yellow, with red-purple longitudinal stripes on epichile; column 3 mm long, column-foot somewhat curved, with purple veins, 5 mm long; operculum white with two violet prickles. **Pollinia** 2, ovaliform, wax-yellow.

Specimen examined: **Vietnam.** Thai Nguyen Province, Dinh Hoa district, terrestrial in evergreen forest, 500-600 m alt., flowering from April to June, *Huyen 518* (HN).

Geodorum citrinum is here newly reported for the Flora of Vietnam. The plant was identified using Seidenfaden's (1983) treatment and Pham

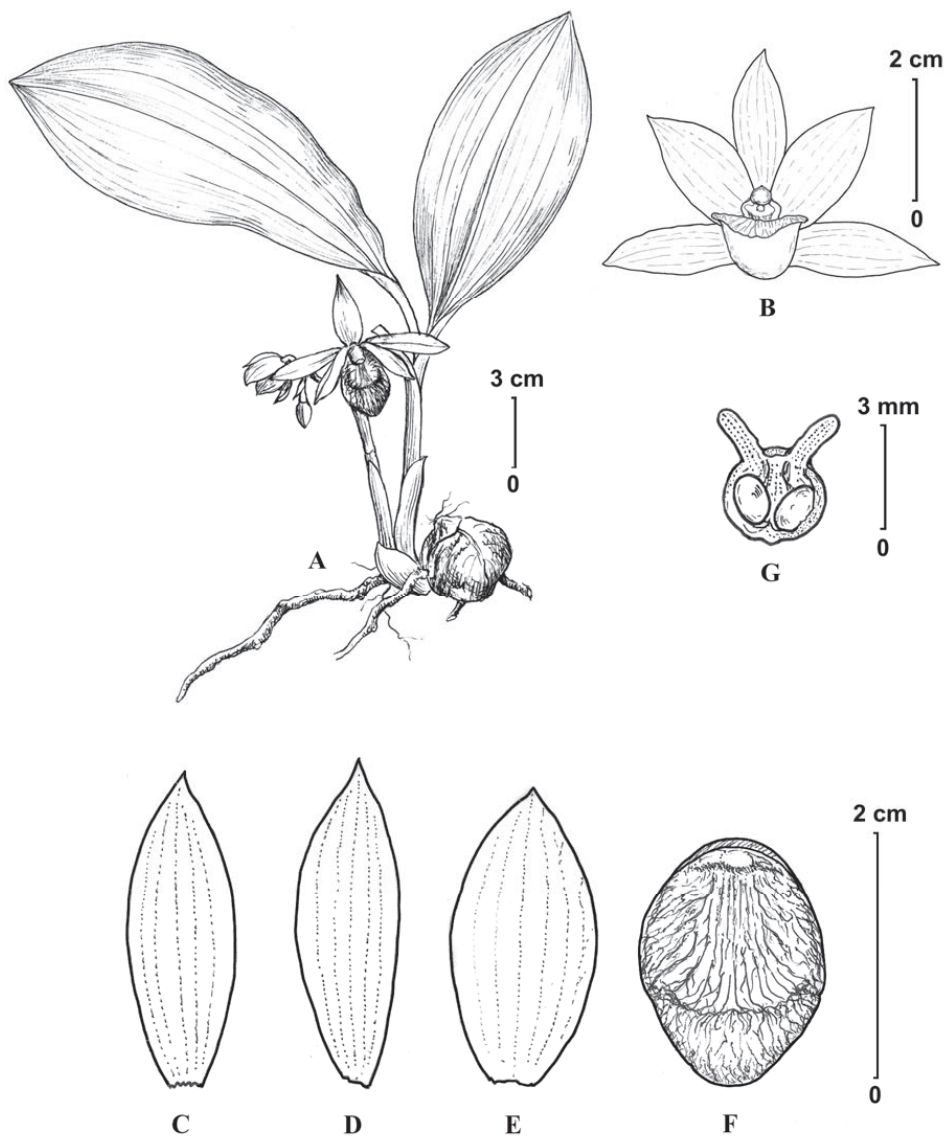


Figure 1. *Geodorum citrinum* Jacks. A. Plant habit; B. Flower front view; C. Dorsal sepal; D. Lateral sepal; E. Petal; F. Lip; G. Operculum and pollinia.

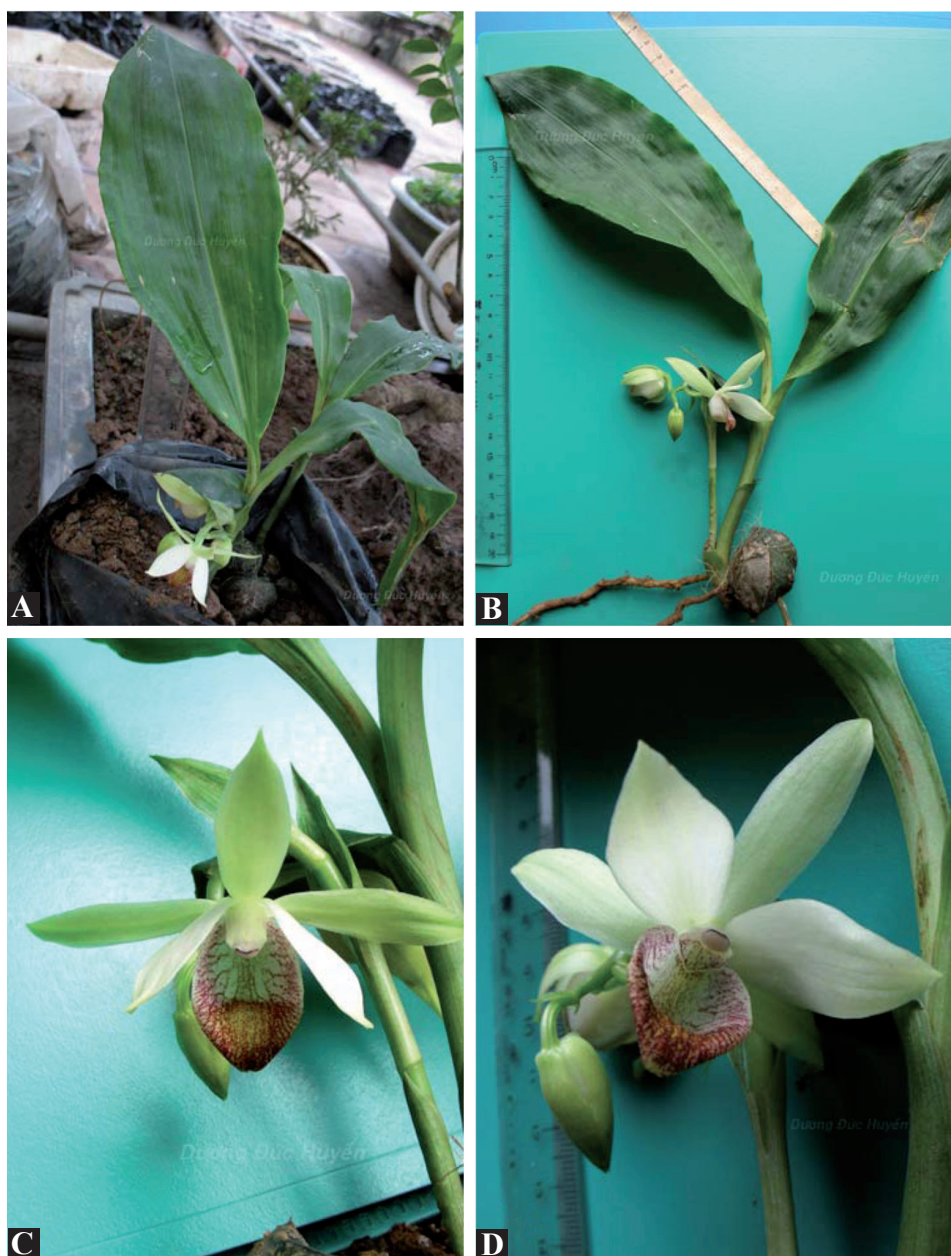


Plate 1. *Geodorum citrinum* Jacks. A-B. Plant habit; C-D. Close-up of a single flower.

(2000). Our material has white-green flowers, turning yellow with age and with some purple markings on the lip and column.

The species is also distributed in the neighbouring countries Thailand and Malaysia, and in Bangladesh and Myanmar.

Acknowledgments

The authors are grateful to Prof. Le Xuan Canh at IEBR for assistance in the field work, and to Dr. Chin See Chung and Dr. B.C. Tan for providing access to the Singapore Herbarium (SING). This work was partially supported by a Singapore Botanic Gardens Research Fellowship.

References

- Averyanov, L. V. & Averyanova A. L. 2003. *Updated checklist of the Orchids of Vietnam*. Vietnam National University Publishing House. Hanoi.
- Ban, N. T., Averyanov L.V. & Huyen D. D. 2005. *Orchidaceae. Checklist of Plant Species of Vietnam*, 3. Agriculture Publishing House. Hanoi.
- Pham Hoang Ho, 2000. *Illustrated Flora of Vietnam* 3. TRE Publications, Hochiminh City.
- Seidenfaden, G. 1983. Orchid genera in Thailand XI. Cymbidieae Pfitz. *Geodorum. Opera Botanica* **72**: 47-64.