

越南杜鹃花科新记录——深裂树萝卜

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摘要: 报道了越南杜鹃花科(Ericaceae) 1 新记录种——深裂树萝卜(*Agapetes lobbii* C. B. Clarke)。该种产自越南北部莱州省(Lai Chau)的 Sin Ho 地区, 凭证标本保存在越南科学技术院生态和生物资源研究所标本馆(HN)。

关键词: 树萝卜属; *Agapetes lobbii*; 杜鹃花科; 新记录; 越南

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Agapetes lobbii C. B. Clarke (Ericaceae), A Newly Recorded Species from Vietnam

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Abstract: *Agapetes lobbii* C. B. Clarke (Ericaceae), a species previously known only from India, Myanmar, Thailand and China, is newly recorded from Vietnam. It was found in Lai Chau Province, North Vietnam and the vouchers are kept in the herbarium of Institute of Ecology and Biological Resources, Hanoi, Vietnam (HN).

Key words: *Agapetes*; *Agapetes lobbii* C. B. Clarke; Ericaceae; New record; Vietnam

The family Ericaceae, consisting of about 125 genera and 4000 species, is widely distributed in temperate and subarctic regions, also at high elevations in tropical regions^[1]. The genus *Agapetes* D. Don ex G. Don (Ericaceae, Vaccinioideae) comprises ca. 100 species distributed from the Himalayan region to southwest China and mainland southeastern Asia^[1].

In Vietnam, the genus *Agapetes* was taxonomically studied by several authors^[2-8] and there are 7 species recorded previously^[5]. In the course of examining the specimens of *Agapetes* in HN, one specimen (HAL9889)

collected from Ta Phin Village, Sin Ho District, Lai Chau Province in North of Vietnam in 2006 draw our attention. It is very different from all the known species from Vietnam by having scattered leaves, petiole 3 – 5 mm, glabrous racemose inflorescence 3 – 8 cm long, peduncle 0.6 – 1.3 cm long, pedicel 0.5 – 1.5 cm long, somewhat expanded apically, subglobose calyx tube for ca. 2 mm long (Figs. 1, 2). After comparing it with the species from neighboring countries, we confirmed that it is *Agapetes lobbii* C. B. Clarke, a new record for the flora of Vietnam.

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Fig. 1 *Agapetes lobbii* C. B. Clarke. 1: Flowering branch; 2: Inflorescence. [Drawn by Kim Chi from HAL9889 (HN)]

Agapetes lobbii C. B. Clarke in Hook. f., Fl. Brit. India. **3**: 448. 1881; Airy Shaw, Bull. Misc. Inform. Kew 1935: 37. 1935; Sleumer, Dansk Bot. Ark. **23**(3): 303. 1966; R. Z. Fang & P. F. Stevens in Z. Y. Wu & P. H. Raven, Fl. China. **14**: 506. 2005. Type: Myanmar. Mon State: Moulmein, Thoung gyne, alt. 1524 m, 1857, T. Lobb s. n. (holotype: K!).

Agapetes corallina Cowan, Not. Roy. Bot. Gard. Edinb. **18**: 36. 1933. Type: Myanmar. Kachin State: Myitkyina district, Htawgaw Hill, alt. 1402 m, 30 November 1930, Sukoe 34 (holotype: E!; isotype: K!).

Agapetes racemosa Watt ex Kanjilal, Fl. Assam **3**: 139. 1939. Type: India. Manipur State: Naga Hills, hill behind Kohima, alt. 1800 m, 28 February 1882, Watt 6180 (holotype: E?; isotype: K!).

Agapetes stenantha Rehd., J. Arnold Arbor. **14**(4):

350. 1933. Type: Myanmar. Kachin State: between Sadon and the Yunnan Chinese border at Changtifang and Kambaiti, alt. 2316 m, November 1922, J. F. Rock 7514 (holotype: A? isotype: US!).

Epiphytic or lithophytic shrub, 1 – 2 m tall. Twigs terete, 1 – 2.3 mm in diam. Leaves scattered; petiole 3 – 5 mm; leaf blade ovate-lanceolate or lanceolate, 5 – 10 cm × 1.5 – 3 cm, leathery, glabrous, secondary veins 5 – 7 pairs, barely evident, base cuneate or broadly cuneate, margin entire, with 1 basal gland each side, apex caudate-acuminate. Inflorescences racemose, 3 – 7.5 cm, many-flowered; peduncle 0.9 – 1.2 cm, glabrous. Pedicel 0.5 – 1.5 cm, somewhat expanded apically, glabrous. Calyx glabrous, tube subglobose, ca. 1.5 – 2 mm; limb 5-divided to base; lobes triangular-lanceolate, 2.8 – 4 mm. Corolla crimson, narrowly



Fig. 2 *Agapetes lobbii* C. B. Clarke. A: Habit; B: Inflorescence; C: Flower. (Photographed by P. K. Loc)

campanulate, 2 – 3 cm; 5-lobed, lobes erect or recurved, lorate, ca. 1.2 cm, glabrous. Stamens 10; filaments 3 – 5 mm, slightly hairy to glabrous, papillate; anthers ca. 2.3 cm, thecae papillate, with minute spurs or not; tubules ca. (1 –) 2× as long as thecae. Ovary subglobose, 1.5 – 2 mm long, glabrous; style slender, ca. as long as the corolla, glabrous; stigma truncate. Berry unknown. Fl.: November – June of next year.

Distribution: China (Yunnan), India, Myanmar, Thailand and Vietnam.

Ecology and habitat: This species is epiphytic on trees or lithophytic on shady cliffs on remnants of broad-leaved evergreen closed primary forest on

steep mountain slopes composed with solid crystalline highly eroded limestone at alt. 900 – 2300 m.

Additional specimens examined: **China. Yunnan:** Jingdong, M. K. Li 1732 (IBSC, KUN); Jinghong, Y. H. Li 3719 (HITBC, KUN), H. Wang 1893 (HITBC), 1898 (HITBC), 1903 (HITBC), 1905 (HITBC), 1906 (HITBC), 1907 (HITBC); Jinggu, Z. Z. Tao 210 (HITBC, IBSC); Lüvchun, S. K. Wu et al. 234 (KUN), 652 (KUN); Menghai, C. M. He 110501MH (IBSC); Mengla, Exped. 34397 (HITBC). **Vietnam. Lai Chau:** Sinho, T. H. Nguyen, L. V. Averianov & P. K. Loc HAL9889 (HN).

Key to the species of *Agapetes* in Vietnam

1A. Inflorescences racemose

2A. Inflorescences with glandular hairs; bracts large, 6 – 12 mm long 6. *A. bracteata*

2B. Inflorescences glabrous; bracts small, 0.5 – 2 mm long 5. *A. lobbii*

1B. Flower solitary or in pair or fasciculate

3A. Leaf blade longer than 4 cm

4A. Twigs and calyx densely spreading glandular setose; leaf blade elliptic or oblong-elliptic

5A. Leaf blade 4 – 6 cm long; corolla 2.5 cm long 1. *A. cauliflora*

5B. Leaf blade 6.5 – 11 cm long; corolla 2 cm long 2. *A. malipoensis*

4B. Twigs glabrous, calyx velutinous; leaf blade lanceolate 4. *A. velutina*

3B. Leaf blade shorter than 4 cm

6A. Leaf margin entire; bracts small, 0.5 mm long

7A. Twigs setose; corolla red 7. *A. hosseana*

7B. Twigs pubescent; corolla white 8. *A. mannii*

6B. Leaf margin crenulate above middle; bracts large, 1.3 – 1.5 cm long 3. *A. rubrobracteata*

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