

国产樟科一新种—香港油果樟

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摘要: 报道樟科油果樟属一新种, 香港油果樟 *Syndiclis hongkongensis* N. H. Xia, Y. F. Deng & K. L. Yip. 它以小枝红褐色, 花被片 6, 能育雄蕊 6, 无腺体, 而明显区别于近缘种油果樟 *S. chinensis* Allen.

关键词: 樟科, 油果樟属, 香港油果樟, 香港, 中国, 新种

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Syndiclis hongkongensis (Lauraceae), A New Species from China

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Abstract: A new species of *Syndiclis* in Lauraceae, *S. hongkongensis* N. H. Xia, Y. F. Deng & K. L. Yip, is described and illustrated. The new species is similar to *S. chinensis* Allen, but differs in 6 perianth-lobes, 6 (rarely 7) eglandular fertile stamens.

Key words: Lauraceae; *Syndiclis*; *Syndiclis hongkongensis*; Hong Kong; China; New species

Syndiclis Hook. f. is a genus of Lauraceae comprising about ten species, of which one species is endemic to Bhutan and the rest are endemic to China^[1,2]. A species, *S. furfuracea* H. W. Li, has been reported from Hong Kong^[3], which was only recorded from Yunnan Province before. The unique distribution pattern of the species drew our attention. In the course of preparing the manuscript of the family Lauraceae for Flora of Hong Kong, we have the opportunity to re-examine the Hong Kong specimens. After careful examination of the specimens of the genus, we realized that Hong Kong specimens are quite different from specimens of Yunnan, and represent an undescribed species. The new species is easily distinguished from *S. furfuracea* H. W. Li by its

glabrescent leaves, and smooth fruits. In fact, it is related to *Syndiclis chinensis* Allen in habitat and fruit characters, but differs in 6 perianth-lobes, 6 (rarely 7) eglandular fertile stamens^[4].

Syndiclis hongkongensis N. H. Xia, Y. F. Deng & K. L. Yip, sp. nov. Fig. 1

Syndiclis furfuracea auct. non H. W. Li: F. N. Wei in T. L. Wu, Checklist of Hong Kong Plants 39. 2002.

Species nova a *S. furfuracea* H. W. Li differt ramis rufo-brunneis, foliis glabris, 6-10 cm longis, 2.5-4 cm latis, fructibus globosis in sicco laevis non rugosis. Species affinis *S. chinensis* Allen, sed ramulis rufo-brunneis, foliis glabris, lobis perianthiorum 6, staminibus 6 lobis perianthiorum opposites,

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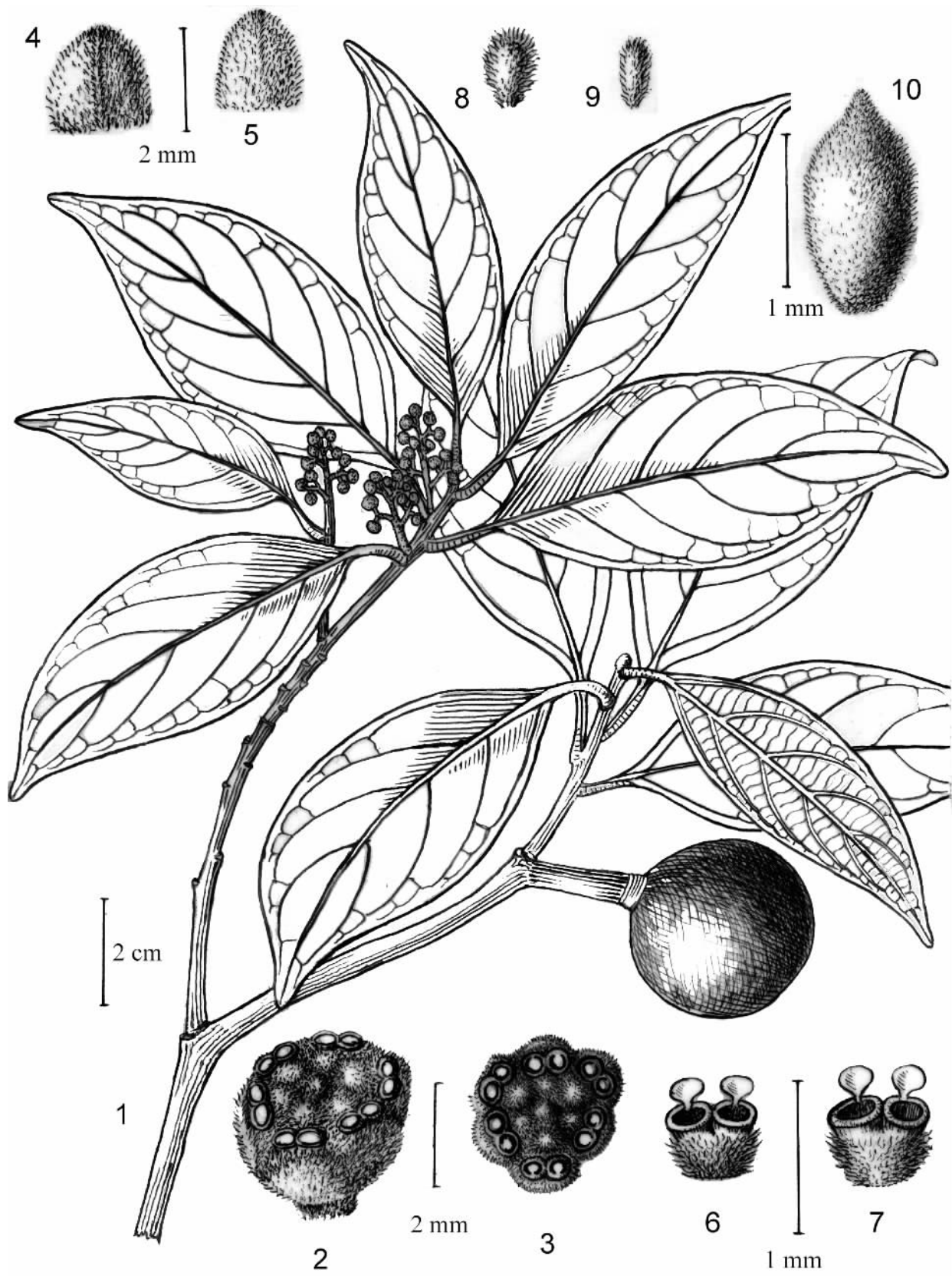


Fig.1 *Syndiclis hongkongensis* N. H. Xia, Y. F. Deng & K. L. Yip

1. Flowering and fruiting branch; 2. Flower (lateral view); 3. Flower (apical view); 4, 5. Tepals; 6, 7. Stamens of 1st and 2nd whorls; 8, 9. Stamens of 3rd and 4th whorls; 10. Ovary. (Drawn by H. P. Yu)

eglandulosis, staminodiis 6, fructibus globosis differt.

Trees, up to 16 m tall and up to 90 cm in diameter at base; bark reddish brown, peeling off in small pieces. Branchlets reddish brown, lenticellate, at apex somewhat angular, glabrescent; leaf buds small, hardly hairy. Leaves alternate; leaf blade leathery, elliptic, 6-10 cm $\times$ 2.5-4 cm, base cuneate but always asymmetrical, apex acuminate, with sharp tip, margin entire, glabrescent, dark green above, pale green and glaucous below, midvein and lateral veins brownish, flat above, prominent below, lateral veins 3-4 pairs, veinlets densely reticulate. Petioles slender, 1-2 mm long, flat above. Inflorescence a panicle, axillary, 1-3.5 cm long, slender, tomentose, short pedunculate. Bracteoles linear-triangular, rusty tomentose, ca. 3 mm $\times$ 1 mm. Flowers globose, greenish yellow, 1.5 mm long; pedicels 2-4 mm long; perianth-lobes 6,

ovate, densely tomentose. Fertile stamens 6 in 2 whorls, slightly exserted, subsessile, villous, eglandular; the anthers 2-celled, cells introrse; staminodes 6, opposite to the fertile stamens, villous. Ovary ellipsoid, sparsely tomentose, styles tomentose at base. Fruit globose, rough, yellowish brown, ca. 4 cm diam., glabrous; fruiting pedicel 8 mm long, cylindrical, thickened under the fruit; pericarp woody, ca. 2 mm thick.

China. Hong Kong: Tai Mo Shan, south-east slope, lat. 829.13 °N, long. 832.04 °E, alt. 443 m, October 20, 2005, N. H. Xia, Y. W. Lam & K. Y. Tam s.n. (Holotypus, IBSC; iso-, HK); same locality, L. T. Lo 737 (HK, IBSC).

Etymology: The species is named after its type locality, Hong Kong of China.

Comparison of *Syndiclis hongkongensis*, *S. furfuracea* and *S. chinensis*

Characters	<i>S. hongkongensis</i>	<i>S. furfuracea</i>	<i>S. chinensis</i>
Branchlets	Reddish brown	Grayish brown	Grayish brown
Leaf shape	Elliptic	Elliptic or ovate round	Ovate or elliptic
Leaf size (cm)	6-10 $\times$ 2.5-4	10.5-12 $\times$ 4.5-7	6-13.5 $\times$ 2.5-8
Leaf indumentum	Glabrescent	Pubescent, glabrescent	Minutely pubescent along veins
Perianth-lobes	6	4	4
Sterile stamens	6, eglandular	4, inner two glandular	4, inner two glandular
Staminodes	6	4	4
Fruits	Globose, smooth when dry, glabrous	Globose, rugose when dry, densely rusty brown-scurfy	Turbinate, smooth when dry, glabrous

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References

- [1] Li H W, Bai P Y. *Syndiclis* [A]. In: Li H-W. *Florae Reipublicae Popularis Sinicae Tomus 31* [M]. Beijing: Science Press, 1982. 152-160. (in Chinese)
- [2] Li H W. Notes on the taxonomy and distribution of the genus *Syndiclis* Hook. f. of Lauraceae and to discuss the characteristics of its area-type [J]. *Acta Bot Yunnan*, 1979, 1(2):11-16. (in Chinese)
- [3] Wei F N. Lauraceae [A]. In: Wu T L. *Checklist of Hong Kong Plants* [M]. Hong Kong: Agriculture, Fisheries and Conservation Department, the Government of the Hong Kong Special Administrative Region, 2002. 41-47.
- [4] Allen C K. Studies in the Lauraceae V: Some eastern Asiatic species of *Beilschmiedia* and related genera [J]. *J Arnold Arb*, 1942, 23:444-463.