

云南兰科一新种——中华火焰兰*

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摘要: 对兰科新种中华火焰兰(*Renanthera sinica*)作了描述与绘图。此新种与云南火焰兰(*R. imschootiana*)有亲缘关系, 但本新种叶较狭, 宽 9~11 mm, 花浅黄色, 具紫红色的疏斑点, 侧萼片较狭, 宽 4.5~5.5 mm, 以及唇瓣的中裂片上半部呈半球形囊状, 甚易区别于云南火焰兰。提供了中国火焰兰属的分种检索表。

关键词: 中华火焰兰; 新种; 云南

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Renanthera sinica, A New Species of Orchidaceae from Yunnan

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Abstract: A new species of Orchidaceae, *Renanthera sinica* Z. J. Liu et S. C. Chen is described and illustrated based on a cultivated plant collected from Wenshan County of Yunnan, China. This new species is akin to *Renanthera imschootiana* Rolfe, from which it differs by having much thicker and narrower leaves 9–11 mm wide, yellowish flowers sparsely spotted with purple-red, narrower lateral sepals 4.5–5.5 mm wide, and a mid-lobe of the lip semiglobose-saccate on the upper half. A key to Chinese species of *Renanthera* is provided.

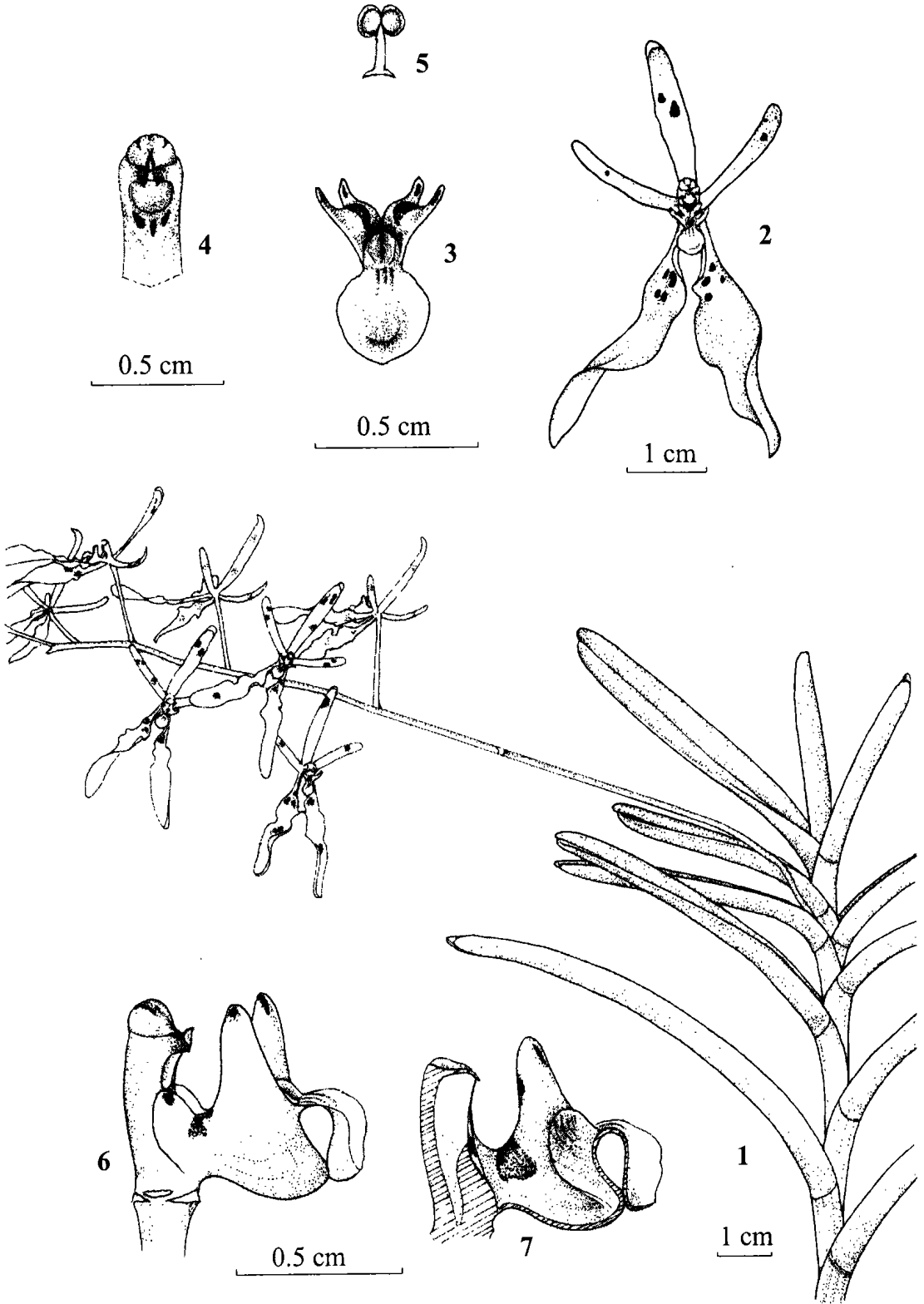
Key words: *Renanthera sinica*; New species; Yunnan

Renanthera is a genus of some 15 species ranging from southeast Asia to the Himalayas. Two species are found in China: *R. coccinea* Lour. and *R. imschootiana* Rolfe^[1]. The species described here was collected by the senior author in last winter from southwestern Wenshan in southeastern Yunnan at an altitude between 500 and 800 meters. The plants were found growing on tree trunks or rocks in more or less shady places along a valley, each with an unbranched stem usually 20–40 cm or occasionally up to 70–80 cm long. Five plants were

brought back and cultivated in our nursery; they all flowered in last April. This new species is somewhat similar to *R. imschootiana*, with which a comparison showed that they are quite distinct from each other. *R. imschootiana* has coriaceous leaves 1.3–2.5 cm wide, red lateral sepals ca 1 cm wide and an ovate, not saccate mid-lobe of the lip, while this entity possesses much thicker leaves 0.9–1.1 cm wide, yellowish lateral sepals 4.5–5.5 mm wide and a mid-lobe of the lip semiglobose-saccate on the upper half.

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1. 带花植株; 2. 花; 3. 唇瓣; 4. 蕊柱, 正面观; 5. 花粉块; 6. 唇瓣与蕊柱, 侧面观; 7. 唇瓣与蕊柱, 纵切面
 1. Flowering plant; 2. flower; 3. Lip; 4. Column, front view; 5. Pollinarium; 6. Lip and column, side view;
 7. Lip and column, longitudinal section

图 1 中华火焰兰

Fig. 1 *Renanthera sinica* Z. J. Liu et S. C. Chen

A key to Chinese species is provided as follows:

1. Inflorescences not axillary, opposite to leaves; flowers deep red or scarlet; side-lobes of lip subsquare-orbicular
 *R. coccinea* Lour. (Hainan, Guangxi)
1. Inflorescences axillary; flowers reddish or yellowish; side-lobes of lip ovate-lanceolate.
2. Leaves 1.3– 2.5 cm wide; inflorescences paniculate or racemose; pedicel and ovary reddish; lateral sepals reddish, ca 1 cm wide; mid-lobe of lip ovate, not saccate *R. imschootiana* Rolfe (Yunnan)
2. Leaves 0.9– 1.1 cm wide; inflorescences racemose; pedicel and ovary yellowish; lateral sepals yellowish, sparsely spotted with purple-red, 4.5– 5.5 mm wide; mid-lobe of lip semiglobose-saccate on the upper half.
 *R. sinica* A. J. Liu et S. C. Chen (Yunnan)

Renanthera sinica Z. J. Liu et S. C. Chen, sp. nov. (Fig. 1)

TYPE: China, southeastern Yunnan, Wenshan County, alt: 700 m. on tree trunk along a valley, cult. plant, 8 May 2002, Z. J. Liu 22058 (holotype, SZWN) (SZWN = Herbarium, Shenzhen City Wutongshan Nurseries, China)

Diagnosis: Species nova *Renantherae imschootianae* Rolfe affinis, a qua foliis angustioribus 9– 11 mm latis multo crassioribus, floribus flavidis sparsim purpureo-rubro-punctatis, sepalis lateralibus angustioribus, 4.5– 5.5 mm latis, lobo intermedio labelli semigloboso-saccato in dimidio superiore bene differt.

Description: An epiphytic plant. Stem stout, 20– 40 (– 80) cm long, sub erect or more or less scrambling, distichously many-leaved. Leaves very thickly coriaceous, narrowly oblong, 7– 10 cm long, 9– 11 mm wide, deep green, unequally rounded-bilobed at apex, sheathing at base; sheaths green, amplexicaul. Inflorescence single, usually arising from the axil of a upper leaf, 12– 26 cm long, spreading horizontally, 5– to 10-flowered; bracts very small, membranous, ca 1 mm long; pedicel and ovary yellowish, 1.6– 2.7 cm long; flowers yellowish, sparsely spotted with purple-red, glabrous; dorsal sepal narrowly oblong-spathulate, 1.8– 2.2 cm long, 3– 4 mm wide, obtuse-acute and slightly incurved at apex; lateral sepals narrowly oblong-spathulate, 2.6– 3.1 cm long, 4.5– 5.5 mm wide, usually somewhat twisted, obtuse-acute at apex, recurved- and strongly undu-

late-margined, with a basal claw 5– 6 mm long; petals much shorter than sepals, linear, 1.3– 1.7 cm long, 1.5– 2.5 mm wide, obtuse at apex, slightly narrowed toward the base; lip much smaller, 3-lobed, with a basal sac; side-lobes erect, ovate-lanceolate, 1.5– 2 mm long; mid-lobe recurved, ca 2 mm long, semiglobose-saccate on the upper half, with three ridges toward the base; the basal sac shortly conical, 2 mm long and wide, unornamented, with a pair of subsquare-lamellate calli ca 1.5 mm long between the front edges of the side-lobes and the base of the mid-lobe, extending downwards to the sac; column stout. 3.5– 4 mm long, erect, without a foot.

Phenology: Flowering from April to May in our nursery.

Distribution: China, Yunnan(云南), Wenshan County(文山县), bordering Maguan County(马关), alt. 500– 800 m, on tree trunks or rocks along a valley.

Notes: This new species is akin to *Renanthera imschootiana* Rolfe, from which it differs by having much thickly but narrower leaves, narrower lateral sepals which is yellowish and sparsely spotted with purple-red, and a mid-lobe of the lip semiglobose-saccate on the upper half.

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Reference:

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