

老河沟毛茛, 四川毛茛科一新种

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摘要 描述了自四川发现的毛茛科毛茛属一新种, 老河沟毛茛 (*Ranunculus laohegouensis*) , 并给出其与近缘种的区别特征。

关键词 毛茛科; 毛茛属; 新种; 四川

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Ranunculus laohegouensis a New Species of Ranunculaceae from Sichuan

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Abstract A species of the genus *Ranunculus* (Ranunculaceae), *R. laohegouensis*, is described as new from Sichuan Province and the diagnostic differences between it and its ally are given.

Key words Ranunculaceae; *Ranunculus*; new species; Sichuan

老河沟毛茛 图 1

Ranunculus laohegouensis W. T. Wang & S. R. Chen, sp. nov. Fig. 1.

[Sect. *Auricomus* (Spach) Schur ser. *Gelidi* W. T. Wang]

Ob folia basalia ternata et flores singulariter terminales species nova haec est affinis *R. mainlingensi* W. T. Wang, qui caulibus longioribus 6.5–18 cm altis saepe ramosis 2-foliatis, petalis elliptico-obovatis, gynoeccio e carpellis ca. 50 constante, stylo brevior ca. 0.6 mm longo ovario subaequilongo differt.

Small perennial herbs. Fibrous roots 2.5–4.5 cm long, near base 0.2–1 mm across, downwards gradually thinning. Stems solitary, slender, 2.5–4 cm tall, above base 0.3–0.5 mm across, sparsely appressed-puberulous, simple, 1-foliate. Basal leaves ca. 5, ternate, slenderly petiolate; blades broadly cordate-ovate in outline, 3.2–7 × 5–11 mm; terminal leaflet shortly or long petiolulate (petiolule 1–3 mm long, glabrous), broadly rhombic or semi-or-

bicular, 2–6 × 2–6 mm, at base broadly cuneate or truncate, 3-fid, central lobe ovate, entire, lateral lobes obliquely ovate, 1-denticulate; lateral leaflets shortly petiolulate (petiolules 0.2–1 mm long), obliquely subflabellate, 2–7 × 2.5–6 mm, unequally 2-parted, upper lobes larger, often unequally 3-lobulate, sometimes 2–3-denticulate, lower lobes smaller, unequally 2-lobed; surfaces adaxially sparsely appressed-puberulous or subglabrous, abaxially glabrous; petioles 6–16 mm long, glabrous, at base vaginate (sheaths membranous, triangular, 3–5 × 2.4–4 mm, glabrous). Cauline leaf either similar to basal leaves, or simple, smaller, shortly petiolate, and with 3-sect blade. Flower solitary, terminal. Receptacle glabrous. Sepals 5, long navicular-elliptic, 4 × 1.5 mm, adaxially glabrous, abaxially sparsely pubescent. Petals 5, yellow, broadly oblong, 4.8–5.2 × 2.6–3 mm, at apex rounded, at base broadly cuneate, longitudinally 5-nerved, glabrous, pits minute, claws inconspicuous. Stamens 12–13, glabrous; filaments narrowly linear, 1–1.2 mm long;

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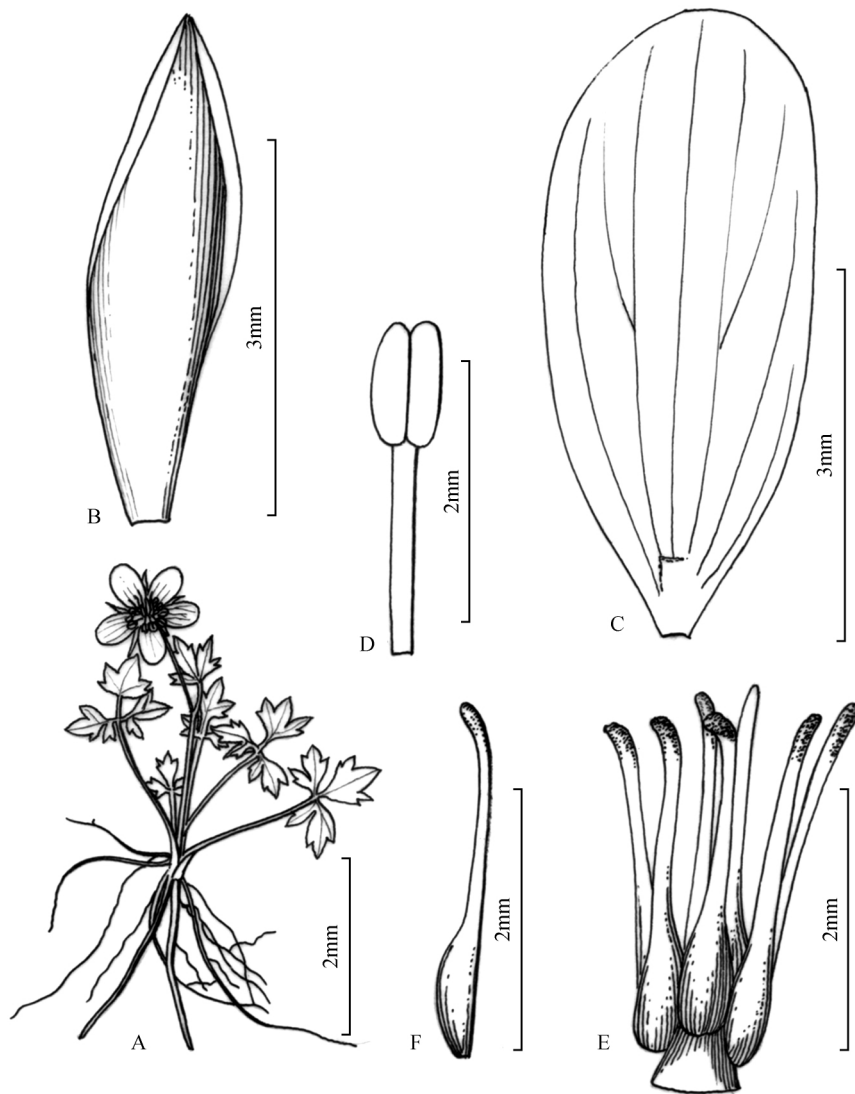


图1 老河沟毛茛 A. 植株全形; B. 萼片(腹面观); C. 花瓣; D. 雄蕊; E. 雌蕊群; F. 心皮

Fig. 1 *Ranunculus laohegouensis* A. Habit; B. Sepal(adaxial view); C. Petal; D. Stamen; E. Gynoecium; F. Carpel(from holotype)

anthers broadly oblong, 0.8–1 mm long. Carpels 6–7, glabrous; ovaries narrowly ovoid, 0.7–0.8 mm long; styles 1.6–1.7 mm long, at apex slightly dilated.

四川(Sichuan):平武县,老河沟自然保护区,小沟(Pingwu Xian, Laohegou Nature Reserve, Xiaogou), alt. 1300–1600 m, 路边,花黄色(by roadside fls. yellow) 2014-04-21,傅德志,陈淑荣,邵毅贞(Fu Dezhi, Chen Shurong, Shao Yizhen) 1531 (holotype, PE).

本种的基生叶为三出复叶,花单朵顶生,因而与也具这二特征的米林毛茛(*Ranunculus mainlingensis* W. T. Wang)在亲缘关系上相近,本种与后者的区别在于本种的茎低矮,高2.5–4 cm,不分

枝,具1叶,花瓣宽长圆形,雌蕊群包含6~7枚心皮,花柱较长,长1.6~1.7 mm,比子房长2倍多(子房长0.7~0.8 mm)。在米林毛茛,茎较高,高6.5~18 cm,常分枝,具2叶,花瓣椭圆状倒卵形,雌蕊群包含50枚心皮,花柱较短,长约0.6 mm,与子房近等长^[1-2]。

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