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青海黄精属一新种*

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摘要: 发表了黄精属一新种, 即青海黄精 *Polygonatum qinghaiense* Z. L. Wu et Y. C. Yang. 本种近似独花黄精 *P. hookeri* Baker, 但叶长圆形或狭椭圆形, 花淡黄色或白色, 裂片具 3 脉, 与筒部几等长, 雄蕊着生于花被近喉部等是其主要区别。

关键词: 黄精属; 青海黄精; 新种

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A New Species of *Polygonatum* Mill from Qinghai, China

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Abstract: *Polygonatum qinghaiense* Z. L. Wu et Y. C. Yang, a new species from Qinghai, China, is described and illustrated. The new species is closed to *P. hookeri* Baker, but differs from it by oblong or angust-elliptic leaves, yellowish or white flowers, 3-nerved perianth lobes, and anthers inserted near throat of the tube.

Key words: *Polygonatum* Mill; *P. qinghaiense* Z. L. Wu et Y. C. Yang; new species

青海黄精, 新种; 图 1

Polygonatum qinghaiense Z. L. Wu et Y. C. Yang, sp. nov. Fig. 1

Haec species *P. hookeri* Baker proxima, sed foliis oblongis vel angust-ellipticis, flore luteo vel albo, lobis 3-nerviis, tubum fere aequantibus, staminibus subfaucem perianthii insertibus differt.

Herba perennis, 2~5 cm alta, rhizomate gracilli longo, repenti, cylindrico, 3~4 mm dia ad apicem sarcogemma. Caulis subterraneae parte alba, cylindrica, erecta, tenui, ad 6 cm longa, supraterraneae parte paulo elongata, nuda, glabra. Folia 3~6, crassiuscula, oblonga vel angust-elliptica, 1.6~4.5 cm longa, 4~12 mm lata, inferne

alterna, supra verticillata, ad apicem caulis affixa; cataphyllis 1~2, albo-membranaceis, ovato-roundis vel lanceolatis, oppositis, basin caulis supraterranis affixis; sessilibus. Fls unicus, rare 2 florifer e infira foliorum axillis ortae, luteolus vel albus; pedicello brevio 2~5 mm longo; perianthio tubiformi, 1.5~2.2 cm longo, lobis 6, angust-lanceolatis vel oblongis, 3-nerviis, tubum fere aequantibus, ad apicem papillatis, parte tubi 2~4 mm dia; staminibus 6, prope faucem perianthii insertibus, antheris oblongis 1.5~2 mm longis, prope basin dorsifixis, filamentis ca 1 mm longis; ovario globoso, 2~3 mm longo, stylo ca 2 mm longo. Bacca globosa ca 6 mm dia (immaturum).

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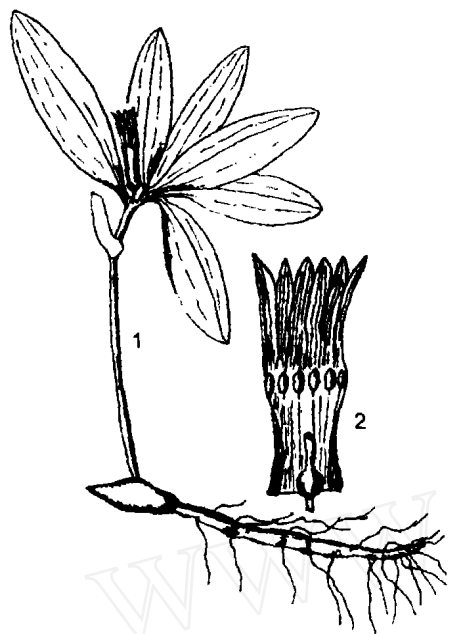


Fig 1 *Polygonatum qinghaiense* Z. L. Wu et Y. C. Yang
1. Plant; 2 Longitudinal section of
flower, showing stamen and pistil

Qinghai (青海): Maqin (玛沁县), on mountain slope grassland, alt 3 800 m, 1974-06-06, Maqin Exped (玛沁队) 0027 [Typus! QTPMB (HNW P)]; Nangqian (囊谦县), Wumai (五买), on meadow, alt 4 000 m, 1965-06-17, Y. C. Yang (杨永昌) 0968 [QTPMB (HNW P)]; Dari (达日县), Jianshe (建设), on steppe, alt 4 100 m, 1993-08-11, H. B. G. 1160 [QTPMB (HNW P)]; Zaduo (杂多县), on flood plain, alt 4 150 m, 1965-06-14, S. W. Liu (刘尚武) 0036 [QTPMB (HNW P)]; Jiuzhi (久治县), Zhiqingsongduo (治青松多), on flood plain, alt 3 650 m, 1971-06-07, Guoluo Exped (果洛

队) 46; Menyuan (门源县), Haibei Station (海北定位站), on meadow, alt 3 250 m, 2000-06-17, Z. L. Wu (吴珍兰) 816 [QTPMB (HNW P)]

Perennial herb, 2~5 cm high. Rootstock horizontally creeping, slender, cylindric, 3~4 mm in dia with fleshy bud 1 at apex. Underground stem cylindric, up to 6 cm long, the overground stem slight elongate, nodose, glabrous. Leaves 3~6, somewhat thick, oblong or narrow elliptic, 1.6~4.5 cm long, 4~12 mm broad, lower alternate upper whorled, inserted on the tip of stem; cataphyll 1~2, white membranous ovate or lanceolate, opposite, inserted on the base of supraterranean stem; sessile. Often only 1-flowered, rare 2-flowered, solitarily exerted from the lower leaves axilla, flower yellowish or white, pedicel short 2~5 mm long; perianth tube-shaped 1.5~2.2 cm long, 2~4 mm in dia, lobes 6, narrow lanceolate or oblong with the papillate on the tip, 3-nerved within each one, about equaling the tube; stamens 6, inserted on near the throat of the perianth, anthers oblong 1.5~2 mm long, dorsifixed near its base, filaments very short, about 1 mm long; ovary 2~3 mm long with 2 mm long style. Berry globose about 6 mm long in dia (in the immaturity).

This species resembles *P. hookeri* Baker, but differs from it by having leaves oblong or angust elliptic, flower yellowish or white, perianth lobes 3-nerved, subequal the tube in length, anthers inserted near throat of the tube. Its distribution area is in the north part of Tangula Mountain in Qinghai, also different from that of *P. hookeri* Baker.

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