

中国大戟科植物一新亚种\*

李秉滔

(华南农业大学林学院, 广州, 510642)

A NEW SUBSPECIES OF EUPHORBACEAE FROM CHINA

Li Bingtao

(College of Forestry, South China Agr. Univ., Guangzhou, 510642)

关键词 大戟科;叶下珠属;蔓生叶下珠

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作者在海南调查和采集番荔枝植物过程中,在三亚发现一种大戟科植物一新亚种,它的外形酷似苦味叶下珠 *Phyllanthus amarus* Schum. et Thonn. 但新亚种的植株较高,高达 1. 7m,先直立后蔓生或平卧,二年生或多年生,枝条在茎端部常丛生,雄花花盘腺体倒卵形,雌花花盘腺体钻状。花粉经中科院华南植物所龙活副研究员解剖,其花粉形状球形,21 $\mu$ m $\times$ 17 $\mu$ m,3-沟孔,内孔横长,表面光滑,无网纹。全株又经广州中医研究所朱宇同教授药理研究,其药理性能比苦味叶下珠还要好,在临床试验可医治乙型肝炎,是有开发前途的药用植物(将另文发表)。

现将新亚种与原亚种特征比较如下。

**Table 1 Comparison of *Phyllanthus amarus* subsp. *sanyaensis* and *P. amarus* subsp. *amarus***

| Character        | <i>Phyllanthus amarus</i> subsp. <i>amarus</i>         | <i>P. amarus</i> subsp. <i>amarus</i>         |
|------------------|--------------------------------------------------------|-----------------------------------------------|
| Habit            | biennial or perennial herbs,                           | annual, erect                                 |
|                  | erect to trailing or prostrate up to 170 cm            | up to 50 cm                                   |
| Branches         | alternate, but fascicled at the upper part of the stem | alternate                                     |
| Male disc glands | obovate                                                | orbicular                                     |
| Female disc      | into glands, subulate                                  | not glandular, flattened, connate at the base |
| Pollengrains     | prolate, smooth not reticulate                         | ellipsoidal, not smooth finely reticulate     |

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## 蔓生叶下珠,新亚种

*Phyllanthus amarus* Schum. et Thonn. subsp. *sanyaensis* P. T. Li et Y. T. Zhu, subsp. nov. Typus China, Hainan, San Ya, P. T. Li 2940 ( Holotypus, CANT ).

A type differt plantis biennibus vel perennibus, erectis ad serpentem vel prostratis, ad 1.7 m altum; masculinis discis glandibus obovate, femineis discis glandibus subulatis; Pollinibus laevibus non reticulatis.

Erect to trailing or prostrate biennial or perennial herbs, 50~ 170cm tall or long; throughout glabrous; stem simple, branched, woody or slightly so and yellowish at the base, terete, green at the upper part; branchlets delicate, alternate, sometimes fascicled at the upper part of the stem. Stipules lanceolate, 1 mm long, 0.7 mm wide, base cuneate and auriculate, inserted at the base of branches or branchlets, or linear or linear-lanceolate, inserted at the base of petioles. Petioles c. 0.5 mm long; leaf blade papery, oblong or elliptic-oblong, 5~ 8 mm long, 2~ 4.5 mm wide, base rounded, apex obtuse or nearly truncate with obscure mucronations, green adaxially, greenish abaxially; lateral veins 5~ 6 pairs, obscure adaxially, slightly conspicuous. Flowers unisexual, monoecious, yellowish-green, solitary or geminate in axillary fascicles, often one female flower and one male onse ( sometimes absent) per fascicle. Male flowers pedicels 0.5~ 1 mm long; sepals 5, elliptic, 0.5 mm long, 0.25 mm wide, acute at the apex, margin membranous; disc-glands 5, obovate, 0.2 mm long; stamens 2~ 3, filaments connate, 0.2 mm long, anthers horizontally dehiscence; pollen grains prolate, smooth, not reticulate. Female flowers pedicels c. 1~ 1.5 mm long; sepals 5, elliptic or narrowly oblong. 0.8 mm long, 0.5 mm wide, apex acute, middle green, margin slightly white-yellowish; disc-glands 5, subulate, 0.2 mm long; ovary globose-triangular, 0.5 mm in diameter, styles 3, bifid at the apex. Capsules oblate or obtusely trigonous, 2 mm long, 1.5 mm wide, smooth, 3-valved when mature; columella and sepals persistent; seeds sharply trigonous, yellow-brownish, 1 mm long, 0.7 mm wide, with 5~ 6 straight parallel longitudinal ribs on the back, also with 5~ 6 straight semiorbicular ribs on bilateral inside. Flowering: April~ November; Fruiting: September~ December.

China (中国): Hainan (海南), San Ya (三亚), October 1993, P. T. Li (李秉滔) 2940 ( Holotypus, CANT ) 2942; 1. c. October, 25, 1995, P. T. Li 2943, 2944, 2945, 2946 ( CANT ).

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