

## 广西木兰属一新种\*

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(2. 中国科学院昆明植物研究所, 昆明 650204)**摘要** 描述了广西木兰属(木兰科)一新种, 即木论木兰。**关键词** 新种; 木论木兰; 木兰属; 木兰科; 广西**A new species of *Magnolia* (Magnoliaceae) from Guangxi, China**ZENG Qing-Wen<sup>1,2</sup> LAW Yuh-Wu<sup>1</sup>(1. South China Botanical Garden, South China Institute of Botany, The Chinese Academy of Sciences, Guangzhou 510520)  
(2. Kunming Institute of Botany, The Chinese Academy of Sciences, Kunming 650204)**Abstract** A new species of the genus *Magnolia* L. (Magnoliaceae), *M. mulunica* Law et Q. W. Zeng, from Guangxi, China is described.**Key words** new species; *Magnolia mulunica*; *Magnolia*; Magnoliaceae; Guangxi**木论木兰 新种 图1*****Magnolia mulunica*** Law et Q. W. Zeng, sp. von. Fig. 1

Species *M. paenetalaumae* Dandy affinis, sed folia crasse coriacea, anguste elliptica, 12~20 (~30) cm longa, 2.5~4 (~7) cm lata, subtus puberula; tepala ovato-elliptica, 3.7~4 cm longa, 3~3.4 cm lata, basi dense appresso-brunneo-pubescentia; carpella matura ellipsoidea, tuberculata, apice longe rostrata differt.

Arbor sempervirens, c. 5 m alta, trunco 15 cm in diam., cortice cinereo-brunnei; ramulis jurenibus viridulis, ramulis vetustis cinereo-brunneis, pallide lenticellatis. Folia crasse coriacea, anguste elliptica, 12~20 (~30) cm longa, 2.5~4 (~7) cm lata, apice longe acuminate vel caudata, basi cupeata, supra atro-viridia, glabra, subtus viridula,

puberula, margine leviter revoluta; costa media supra impressa, subtus elevata, nervis lateralibus utrinsecus 12~22, ad marginem non attingentibus arcuatim confluentibus; petioli ad apicem cicatricati 1~3 cm longi; stipulae petiolo adnatae. Alabastra viridia, ovato-ellipsoidea, 2.5~2.8 cm longa, 2~2.2 cm in diam.; pedunculus recurvus, 2.2~2.2 cm longus, 3~4 mm in diam., dense appresso-brunneo-pubescentia. Flores fragrantes, terminantes, raro axillares; perianthium 3-cyclicum, 3-merum; tepala 9, ovato-elliptica, basi dense appresso-brunneo-pubescentia, 3 exteriore viridia, 3.7~4 cm longa, 3~3.4 cm lata, 3 media alba, crasse carnosa, 3~3.5 cm longa, 2.3~2.5 cm lata, 3 intima alba, crasse carnosa, c. 3 cm longa, c. 2 cm lata; stamina numerosa, alba, 1~1.2 cm longa, anthera 6~8 mm longa, introrse dehiscentia, filamenta 2 cm longa.

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Gynoecium ellipsoideum, 0.6~0.8 cm longum, carpellis 11~12, puberulis, ovulis 2 in quoque carpello. Fructus ellipsoideus, 4~6 cm longus, 2.5~3 cm in diam., carpella matura ellipsoidea, apice longe rostrata, tuberculata. Semina 1~2 in quoque carpello, rubra, oblonga, 1.5~2 cm longa, 0.8~1 cm lata.

Guangxi (广西): Huanjiang (环江), Mulun (木论), Bannantun (板南屯), in sylvis, alt. 530 m, 2001-6-5, Zeng Qing-Wen (曾庆文) 41 (Holotype! IBSC); same locality, 2001-9-15, Zeng Qing-Wen (曾庆文) et Zhou Ren-Zhang (周仁章) 01915 (Paratype! IBSC)

常绿小乔木,高达5 m,胸径达15 cm;树皮灰褐色;嫩枝绿色,老枝灰褐色,具灰白色皮孔。叶厚革质,狭椭圆形,长12~20 (~30) cm,宽2.5~4 (~7) cm,顶端长渐尖至尾尖,基部楔形,上面深绿色,无毛,下面淡绿色,被微柔毛,叶缘稍反卷;中脉在上面凹下,在下面凸起,侧脉每边12~22条,不到达叶缘,在叶缘附近弯弓连结;叶柄长1~3 cm,托叶痕迹达叶柄顶端。花芳香,顶生,稀腋生,花

蕾绿色,卵状椭圆体形,长2.5~2.8 cm,直径2~2.2 cm;花梗长2.2~2.5 cm,直径3~4 mm,下弯,密被平伏褐色柔毛;花被片9,卵状椭圆形,基部密被平伏褐色柔毛,外轮3片绿色,长3.7~4 cm,宽3~3.4 cm,中轮3片白色,厚肉质,长3~3.5 cm,宽2.3~2.5 cm,内轮3片白色,厚肉质,长3 cm,宽2 cm;雄蕊白色,长1~1.2 cm,花药长6~8 cm,内向开裂,花丝长2 cm;雌蕊群椭圆形,长0.6~0.8 cm,雌蕊11~12枚,被微柔毛,每雌蕊具胚珠2颗。聚合果椭圆体形,长4~6 cm,直径2.5~3 cm,蓇葖椭圆体形,顶端具长喙,蓇葖干时背面具凸起瘤点,每蓇葖具发育种子1~2颗;种子红色,长圆形,长1.5~2 cm,宽0.8~1 cm。花期4~6月,果期9~10月。

本种与长叶木兰(*Magnolia paenetalaura* Dandy)近缘,但本种叶厚革质,狭椭圆形,长12~20 (30) cm,宽2.5~7 cm,背面被微柔毛;花被片卵状椭圆形,长3~4 cm,宽2.5~3.4 cm,基部密被淡褐色平伏柔毛,成熟蓇葖椭圆体形,具凸起瘤点,顶端具长喙,可以区别。

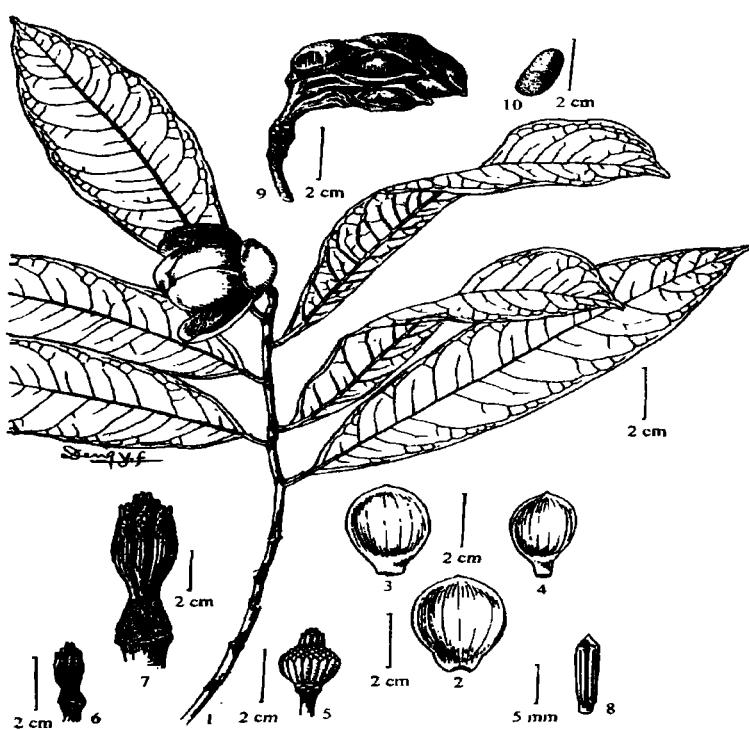


图1 木论木兰

Fig. 1 *Magnolia mulunica* Y. W. Law et Q. W. Zeng

1. 花枝; 2. 轮花被片; 3. 中轮花被片; 4. 内轮花被片; 5. 雌雄蕊群; 6~7. 雌蕊群; 8. 雄蕊腹面; 9. 聚合果; 10. 种子 (邓盈丰绘)
1. Flowering twig; 2. Outer tepal; 3. Mid tepal; 4. Inner tepal; 5. Androecium and gynoecium; 6~7. Gynoecium; 8. dorsal view of Stamen; 9. Fruit; 10. Seed. (drawn by Deng Yingfeng).