

## 1. BUCHANANIA Sprengel, J. Bot. (Schrader) 1800(2): 234. 1802.

山欏子属 shan xian zi shu

Trees or shrubs. Leaves simple, spirally inserted; leaf blade margin entire. Inflorescence paniculate, terminal or axillary. Flowers small, bisexual, 5-merous, white, fragrant, sessile to shortly pedicellate. Calyx small, with 4–6 rounded lobes. Petals imbricate in bud. Stamens  $2 \times$  as many as petals; anthers lanceolate to oblong, often sagittate. Disk intrastaminal, cupular, sulcate to crenulate. Carpels 4–6 free, usually only 1 fertile; ovary 1-locular, 1-ovulate; style short; stigma capitate. Drupe with a thick woody endocarp. Seed testa not adnate to endocarp.

About 25 species: tropical Asia ranging through India to Samoa; four species (one endemic) in China.

- 1a. Inflorescence glabrous ..... 1. *B. yunnanensis*  
1b. Inflorescence minutely pubescent to tomentose.  
2a. Leaf blade glabrous; anthers sagittate ..... 2. *B. arborescens*  
2b. Leaf blade with ferruginous hairs on both sides; anthers oblong.  
3a. Leaf blade oblong-elliptic,  $12\text{--}24 \times 6\text{--}10$  cm, covered with long hairs; calyx lobes lanceolate ..... 3. *B. latifolia*  
3b. Leaf blade obovate,  $4\text{--}12 \times 2\text{--}5$  cm, with minutely pubescent midrib; calyx lobes ovate ..... 4. *B. microphylla*

**1. *Buchanania yunnanensis*** C. Y. Wu, Fl. Yunnan. 2: 364. 1979.

云南山欏子 yun nan shan xian zi

Deciduous trees, ca. 5 m tall; branchlets grayish brown, glabrous, with large lenticels. Leaves not seen. Panicle terminal, 11–20 cm, glabrous, with numerous 2–6 cm branches; peduncle and rachis robust. Flower yellowish green, sessile. Calyx 5-parted, glabrous, lobes suborbicular, ca. 1.5 mm in diam. Petals 5, ovate, ca.  $3 \times 2$  mm, revolute at anthesis. Stamens 10; filaments subulate, ca. 1.5 mm; anthers sagittate, ca. 0.8 mm. Ovary glabrous. Fruit not seen. Fl. Mar.

• Thickets; 1000–1100 m. S Yunnan (Jinghong).

**2. *Buchanania arborescens*** (Blume) Blume, Mus. Bot. 1: 183. 1850.

山欏子 shan xian zi

Evergreen trees; branchlets minutely yellowish pubescent to subglabrous. Petiole 2–2.5 cm; leaf blade obovate-oblong to obovate-elliptic,  $8\text{--}18 \times 4\text{--}6$  cm, leathery, glabrous, base cuneate, margin entire, apex rounded, lateral veins 10–15 pairs, prominent on both sides. Panicle terminal or axillary, 8–10 cm, minutely ferruginous pubescent. Flowers white. Calyx glabrous, lobes suborbicular, ca. 1 mm with ciliate margins. Petals elliptic to suborbicular, 3–4 mm, fleshy. Stamens equal to petals in length; filaments linear to subulate, longer than anthers; anthers sagittate. Disk large and thick. Carpels 5, minutely pubescent. Drupe lens-shaped, ca. 8 mm, glabrous. Fl. Mar, fr. Jul.

Lowland forests. S Taiwan (Gaoxiong) [Cambodia, India, Indonesia, Laos, Myanmar, Papua New Guinea, Philippines, Thailand, Vietnam; Australia, Pacific islands (Solomon Islands)].

**3. *Buchanania latifolia*** Roxburgh, Fl. Ind., ed. 1832, 2: 385. 1832.

豆腐果 dou fu guo

Evergreen trees, 13–15 m tall; young branches dark brown, ferruginous tomentose, branchlets subglabrous, with elevated

lenticels. Petiole 1.5–2.2 cm, with long ferruginous hairs; leaf blade broadly oblong,  $12\text{--}24 \times 6\text{--}10$  cm, leathery, at first with long ferruginous hairs on both sides, later subglabrous adaxially, base rounded or broadly cuneate, margin entire, slightly revolute, apex rounded to retuse, lateral veins 12–20 pairs, reticulate venation pattern slightly impressed adaxially, prominent abaxially. Inflorescence paniculate, terminal, up to 20 cm; peduncle and rachis robust, densely covered with long ferruginous hairs. Flowers sessile, white, ca. 2.5 mm in diam. Calyx ferruginous pubescent, lobes lanceolate, ca. 1.5 mm, with ciliate margins. Petals oblong, ca. 2.5 mm, glabrous, slightly revolute toward apex. Stamens 10; filaments threadlike,  $2 \times$  as long as anthers; anthers oblong. Carpels 5 or 6, densely ferruginous tomentose. Drupe lens-shaped, ca. 9 mm, brownish black at maturity. Fl. Mar–Apr, fr. May–Jul.

Lowland forests; 100–900 m. Hainan, S Yunnan [India, Laos, Malaysia (peninsular), Myanmar, Nepal, Singapore, Thailand, Vietnam].

**4. *Buchanania microphylla*** Engler, Monogr. Phan. 4: 185. 1883.

小叶山欏子 xiao ye shan xian zi

Trees, 5–9 m tall; young branches minutely ferruginous pubescent, later glabrescent. Petiole 8–14 mm, puberulent; leaf blade obovate,  $4\text{--}12 \times 2\text{--}5$  cm, minutely pubescent along midrib on both sides, base rounded to broadly cuneate, margin entire, apex rounded to retuse, lateral veins 12–20 pairs, reticulate venation pattern prominent on both sides. Inflorescences paniculate, terminal, minutely ferruginous pubescent, with numerous branches. Flowers light yellow; pedicel ca. 1 mm, minutely pubescent. Calyx lobes ovate, ca. 1 mm, minutely pubescent to subglabrous abaxially. Petals oblong, ca.  $2.5 \times 1$  mm, glabrous, revolute in open state. Stamens 10; filaments linear, ca. 1 mm; anthers oblong, shorter than filaments, ca. 0.5 mm. Ovary conical, ca. 0.5 mm, densely hispid. Young fruit lens-shaped, glabrous. Fl. Apr, fr. Jun.

Lowland and hill forests. Hainan [Philippines].

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