

Noronhia tefyana

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80. *Noronhia tefyana* Hong-Wa, *spec. nova* (Fig. 65B, 66).

Typus: MADAGASCAR. **Prov. Mahajanga:** Melaky, Maintirano, village d'Ambinda, 18°04'S 44°30'E, 203 m, 19.X.2009, *Razakamalala et al. 4440* (holo-: MO-6615561!; iso-: G [G00341622]!, P [P00722508] image seen, TAN).

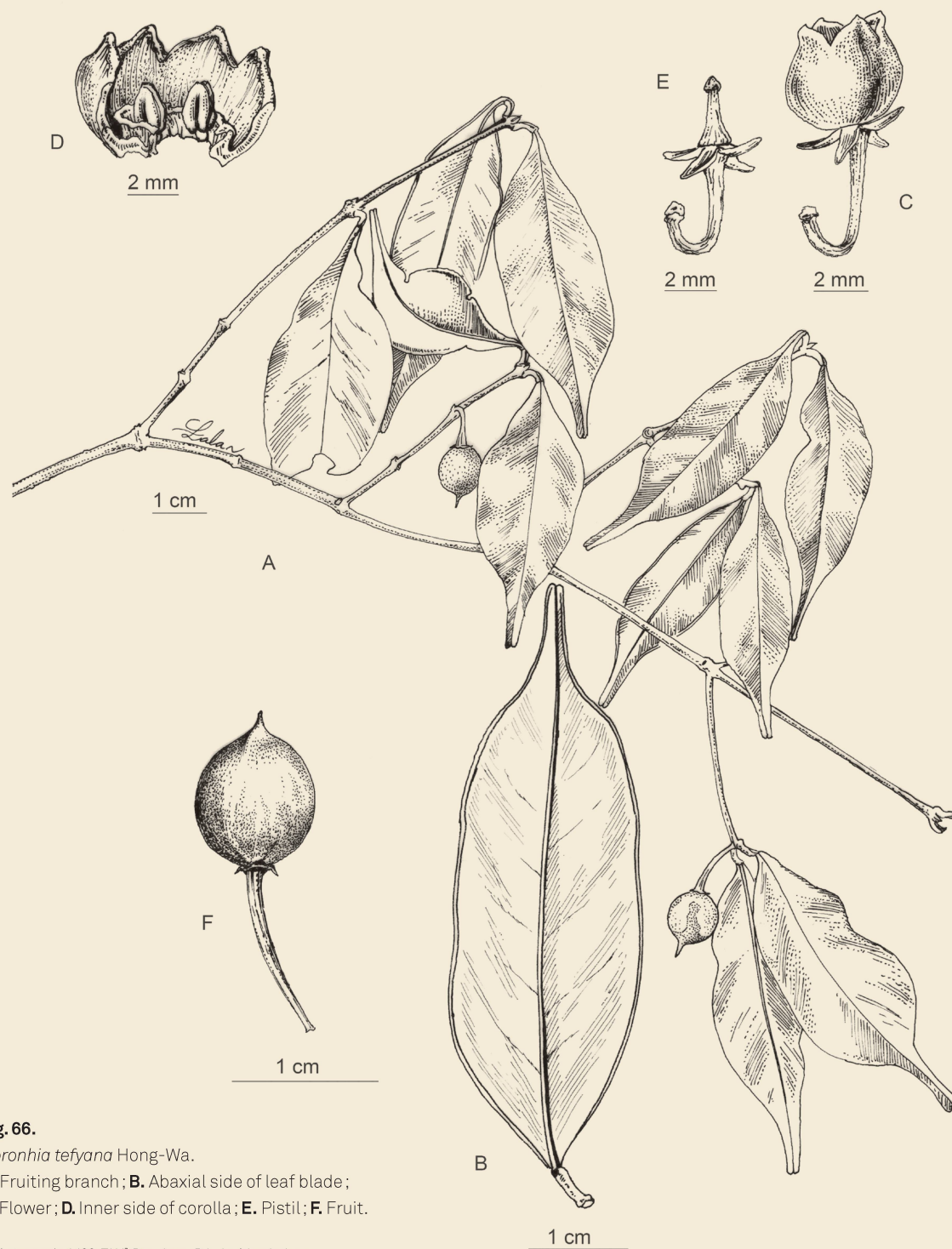
Diagnosis *Noronhia tefyana* Hong-Wa can be distinguished from other species of the genus by its lanceolate leaf blades, its long acumen, its fasciculate, pink flowers, and its slightly rugose, apiculate fruits.

Description Trees to 5 m tall; young twigs cylindrical, 0.5-1.5 mm diameter, glabrous; bark light gray, smooth. Leaves opposite, semi-deciduous; bud scales persistent; blades dark green above, lighter below, broadly lanceolate, 5-10.5 × 1.5-3.5 cm, subcoriaceous, glabrous, domatia absent, base attenuate, margin flat, apex acuminate, the acumen 8-20 mm long, midrib slightly sunken above, distinctly raised below, secondary veins conspicuous only below, 8-13 per side, 5-11 mm apart, looping 1-5 mm from the margin; petiole light gray, 4-7 × 1-1.5 mm, entirely woody, glabrous. Flowers fasciculate; pedicel 7-9 mm long, glabrous; calyx moderately to sparsely pubescent outside, glabrous inside, lobes triangular, 1.5-2 × 1.3-1.7 mm; corolla pinkish with green lobes, cupuliform, 4-4.5 mm long, glabrous on both sides, the tube 2.5-3.5 mm long, lobes deltate, apex acute; corona present, 1.5 mm long, undivided; stamens 2-2.5 mm long, anthers obovate, 1.5-2 mm long; pistil 1.8-2 mm long, stigma capitate. Fruiting pedicel 9-15 × 0.8-1.1 mm; young fruits green, brownish when mature, ovoid to subglobose, 12-13 × 9-10 mm, surface smooth to slightly rugose, covered with a white pellicle, apex rostrate, the rostrum flattened, apiculate; dry pericarp 0.4 mm thick; endocarp woody; seed 7 × 5 mm.

Etymology This name honors Tefy Andriamihajarivo, a botanist at the Missouri Botanical Garden in Madagascar, for contributing to the knowledge and conservation of the Malagasy flora, for collecting *Noronhia* in the field, and for helping with various requests during this study.

Distribution, ecology and phenology *Noronhia tefyana* occurs in low-elevation dry forests in and around the Bemaraha PN in the west (Fig. 62). It produces flowers and fruits from October to March.

Conservation status *Noronhia tefyana* is currently known only from nine collections representing eight localities. With an EOO of 1037 km², an AOO of 28 km², and four subpopulations representing four locations, of which two occur within protected areas (Beanka and Bemaraha), *N. tefyana* is assigned a preliminary status of "Endangered"

**Fig. 66.***Noronhia tefyana* Hong-Wa.**A.** Fruiting branch; **B.** Abaxial side of leaf blade;**C.** Flower; **D.** Inner side of corolla; **E.** Pistil; **F.** Fruit.

[Rakotonasolo 1433, TAN] Drawings: R.L. Andriamiarisoa

[EN B1ab(i,ii,iii,iv)+2ab(i,ii,iii,iv,v)]. Indeed, decline in habitat quality and habitat loss will persist in most of its range because of wildfire, forest exploitation, nomadic grazing, and conversion of forested area into agricultural fields.

Notes *Noronhia tefyana* is similar to *N. buxifolia*, but these two taxa can be distinguished by the shape of their leaves and flowers, the length of their pedicels, and the color of their corolla. The new species can be recognized by its lanceolate leaf blades with a long acumen, fasciculate, pink flowers, and slightly rugose, apiculate fruits.

Paratypes **MADAGASCAR. Prov. Mahajanga:** Beanka, Kinahango, 18°01'28"S 44°30'16"E, 172 m, 19.XI.2011, *Gautier 5662* (G, K, MO, P, TEF); *ibid. loc.*, Sarodrano, 18°03'51"S 44°31'46"E, 333 m, 10.XII.2011, *Hanitrarivo et al. 6* (G, K, MO, P, TEF); *ibid. loc.*, 18°03'45"S 44°31'05"E, 296 m, 4.III.2012, *Hanitrarivo et al. 253* (G, K, MO, P, TEF); *ibid. loc.*, 18°02'51"S 44°31'29"E, 499 m, 8.III.2012, *Hanitrarivo et al. 281* (G, K, MO, P, TEF); Tsingy de Bemaraha, S of the Manambolo river, 19°09'S 44°49'E, 50 m, 18.XII.1996, *Jongkind et al. 3590* (G, MO, P, TAN, WAG); Belitsaka, 17°32'27"S 44°16'53"E, 23.X.2009, *Rakotonasolo et al. 1433* (CAS, K, MO, P, TAN); Maintirano, Ambinda, 18°04'S 44°30'E, 203 m, 19.X.2009, *Razakamalala et al. 4459* (MO, TAN); Melaky, 14 km E Antsalova, 18°41'S 44°43'E, 18.III.1993, *Villiers et al. 4824* (P).