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Autor: Hong-Wa, Cynthia
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52. *Noronhia marinae* Hong-Wa, *spec. nova* (Fig. 37).

Typus: MADAGASCAR. **Prov. Fianarantsoa:** Atsimo-Atsinanana, Manombo RS, parcelle I, circuit Reharatra, 23°00'39"S 47°44'08"E, 12 m, 15.IX.2005, *Rabarimananarivo et al. 118* (holo-: MO-6615562!; iso-: G [G00341623]!, P [P03559025]!, TAN!).

Diagnosis *Noronhia marinae* Hong-Wa can be distinguished from other congeneric species by its narrow leaves, its purplish pink flowers borne into compact inflorescences clustered around the nodes.

Description Trees to 16 m tall, trunk to 24 cm diameter; young twigs cylindrical, 0.5-2.5 mm diameter, glabrous; bark brownish, somewhat rugose, with slight exfoliations. Leaves opposite, persistent; bud scales deciduous; blades dark green above, lighter below, linear to lanceolate, 4-10.5 × 1-3 cm, subcoriaceous, glabrous, domatia absent, base acute to attenuate, margin flat to slightly revolute, apex acuminate, the acumen 3-13 mm long, midrib sunken above, raised below, secondary veins barely visible, 7-13 per side, 5-10 mm apart, looping 1-3.5 mm from the margin; petiole brownish, 1.5-10 × 0.7-2.2 mm, entirely woody, glabrous. Thyrses geminate to fasciculate, pauciflorous, compact; peduncle 2-5 mm long, moderately pubescent; pedicel 2-7 mm long, moderately pubescent; calyx moderately pubescent outside, glabrous inside, lobes triangular, 0.7-1.3 × 0.8-1.5 mm; corolla purplish pink, cupuliform, 3-5 mm long, glabrous on both sides, the tube 1-2 mm long, lobes ovate, apex rounded; corona present, 1-1.7 mm long, undivided; stamens 1.3-2 mm long, anthers oblong, 0.8-1 mm long; pistil 1.5-2.2 mm long, stigma slightly bilobed. *Fruiting pedicel* 5-7 × 1-1.3 mm; young fruits green, blackish when mature, ovoid, 12.5-13 × 9.5-10 mm, surface smooth, sometimes covered with white dots, apex flat to bluntly pointed, style persistent; dry pericarp 0.5-0.8 mm thick; endocarp woody.

Etymology This species is dedicated to Marina Rabarimananarivo, a botanist at the Missouri Botanical Garden in Madagascar, for collecting the type specimen and for adding to the ranks of (the still too few) female Malagasy botanists.

Distribution, ecology and phenology *Noronhia marinae* occurs in littoral to mid-elevation humid forests along the east coast in two distinct areas: from Antsirabe Nord to Antalaha in the north and from Farafangana to Fort-Dauphin in the south (Fig. 36). It produces flowers and fruits from September to January.

Conservation status Based on nine collections representing nine localities, an EOO of 50,885 km², an AOO of 32 km², and eight subpopulations representing eight locations were obtained. Five of the locations occur within protected areas (Andohahela, Ankarabolava-Agnakatrika,

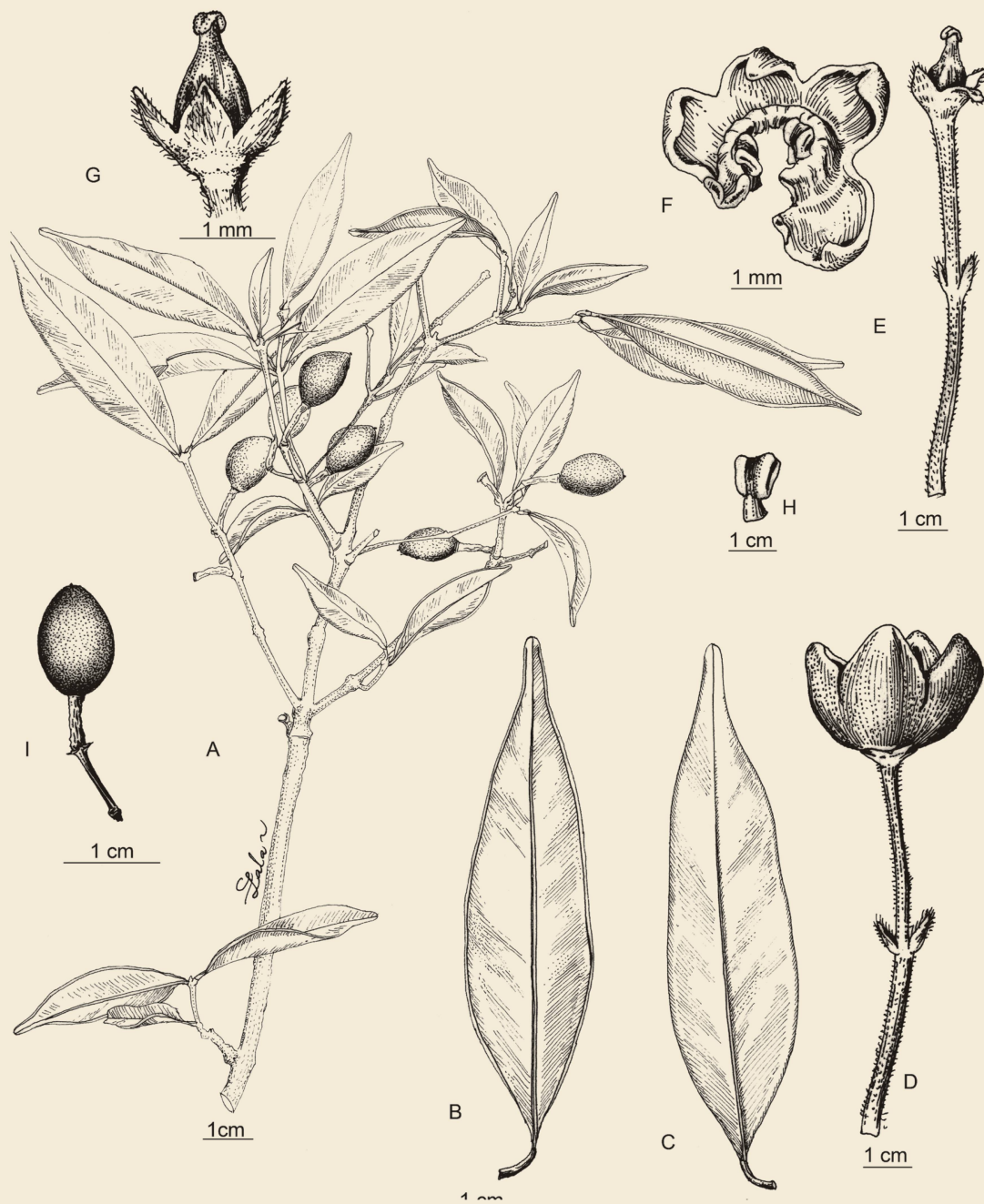


Fig. 37. *Noronhia marinae* Hong-Wa.

A. Fructing branch; **B.** Abaxial side of leaf blade; **C.** Adaxial side of leaf blade; **D.** Flower; **E.** Inflorescence axis; **F.** Corolla on top view, showing the corona; **G.** Pistil; **H.** Stamen; **I.** Fruit.

[Razanatsima 723, TAN] Drawings: R.L. Andriamiarisoa

Makirovana-Tsihomanaomby complex, Manombo, and Tsitongambarika). With an EOO exceeding 20,000 km² and an actual AOO likely larger than 2,000 km², *N. marinae* is assigned a preliminary status of “Near Threatened” [NT].

Notes *Noronhia marinae* is similar to *N. linocerioides*, but can be distinguished by its woody (vs. non-woody) petioles, linear to lanceolate (vs. elliptic) leaf blades, cupuliform (vs. subrotate), purplish pink (vs. pale yellow) flowers, and apiculate (vs. rostellate) fruits. It can be recognized by its narrow leaves and purplish pink flowers borne in compact inflorescences clustered around the nodes.

Paratypes **MADAGASCAR. Prov. Antsiranana:** Vohémar, Antsirabe Nord, Andravinaambo, forêt de Tsihomanaomby, 14°06'S 50°02'E, 19.XI.2013, *Rakotonirina et al.* 273 (DOV, MO, P, TAN); Antalaha, Ambanitamazana, près d'Andrapengy, [14°40'S 50°12'E], 22.X.1966, *Service Forestier 24956* (G, MO, P, TEF). **Prov. Fianarantsoa:** Manombo RS, 23°00'39"S 47°44'07"E, 16 m, 12.IX.2005, *Rabarimanarivo et al.* 60 (G, MO, P, TAN); Vangaindrano, Sianofana, Ambatomalama, forêt de Vohipaho, 23°26'34"S 47°31'04"E, 40 m, 20.IX.2009, *Razanatsima & Zafindrafeno* 723 (MO, P, TAN); Farafangana, Morarano, [22°48'00"S 47°41'30"E], 0-50 m, 10.X.1953, *Service Forestier 10161* (P, TEF). **Prov. Toliara:** Mahatalaky, Farafara Vatanibe, 24°51'02"S 47°00'20"E, 135 m, 14-18.XI.2009, *Rakotovao et al.* 4531 (MO, P, TAN); Enaniliha, forêt d'Andohahela-Trafonaomby, 24°35'40"S 46°44'18"E, 808 m, 28.X.2009, *Randrianaivo & Andriantiana 1771* (MO, P, TAN); Fort-Dauphin, Ifarantsa, [24°54'S 46°52'E], 24.X.1956, *Réserves Naturelles 8183* (P).