

Noronhia luteola

Objekttyp: **Chapter**

Zeitschrift: **Boissiera : mémoires de botanique systématique**

Band (Jahr): **70 (2016)**

PDF erstellt am: **22.09.2024**

Nutzungsbedingungen

Die ETH-Bibliothek ist Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Inhalten der Zeitschriften. Die Rechte liegen in der Regel bei den Herausgebern.

Die auf der Plattform e-periodica veröffentlichten Dokumente stehen für nicht-kommerzielle Zwecke in Lehre und Forschung sowie für die private Nutzung frei zur Verfügung. Einzelne Dateien oder Ausdrucke aus diesem Angebot können zusammen mit diesen Nutzungsbedingungen und den korrekten Herkunftsbezeichnungen weitergegeben werden.

Das Veröffentlichen von Bildern in Print- und Online-Publikationen ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. Die systematische Speicherung von Teilen des elektronischen Angebots auf anderen Servern bedarf ebenfalls des schriftlichen Einverständnisses der Rechteinhaber.

Haftungsausschluss

Alle Angaben erfolgen ohne Gewähr für Vollständigkeit oder Richtigkeit. Es wird keine Haftung übernommen für Schäden durch die Verwendung von Informationen aus diesem Online-Angebot oder durch das Fehlen von Informationen. Dies gilt auch für Inhalte Dritter, die über dieses Angebot zugänglich sind.

48. *Noronhia luteola* H. Perrier in Mém. Inst. Sci. Madagascar, Sér. B, Biol. Vég. 2: 298. 1949 (Fig. 33A).

Lectotypus (designated here): **MADAGASCAR. Prov. Toliara:** Ampandrandava, entre Bekily et Tsivory, [24°05'S 45°52'E], 700 m, I.1944, *Seyrig 642b* (P [P0071219]!), isolecto-: P [P03558932, P03558933]!). **Syntypi:** **MADAGASCAR. Prov. Fianarantsoa:** Vallées de l'Isalo, Fanjahira, [23°29'S 44°44'E], 300 m, 9.X.1924, *Humbert 2760* (K [K000233187], P [P00701221, P00701273]!). **Prov. Toliara:** Mont Amboahangy près d'Esira, [24°15'S 46°39'E], 1000-1150 m, 25.XI.1928, *Humbert 6825* (G [00188779] image seen, P [P00701222]!); Mont Vohipolaka au N de Betroka (Centre-Sud), [23°08'S 46°05'E], 1100-1200 m, 1.XI.1933, *Humbert 11641* (P [P00701220, P03558930, P03558931]!); Mont Vohitrosy, Anadabolava, [24°15'S 46°43'E], 800 m, XII.1933, *Humbert 12656* (P [P03558938]!); Vallée de la Sakamali, bassin du Mandrare [24°32'S 46°41'E], 900-1100 m, XII.1933, *Humbert 13370* (P [P03558934]!); Ampandrandava, entre Bekily et Tsivory, [24°05'S 45°52'E], 700 m, IV.1943, *Seyrig 642* (P [P03558935]!).

Description

Trees to 13 m tall, trunk to 25 cm diameter; young twigs cylindrical, 0.7-1.6 mm diameter, glabrous; bark medium gray, rugose. *Leaves* opposite, deciduous; bud scales persistent; blades medium green glossy above, lighter below, oblong to obovate, 3-12.5 × 1-3 cm, coriaceous, glabrous, domatia absent, base attenuate, margin slightly revolute, apex rounded to acute or slightly acuminate, the acumen 1-9 mm long, midrib slightly sunken above, slightly raised below, secondary veins barely visible, 7-16 per side, 4-13 mm apart, looping 0.8-3.5 mm from the margin; petiole yellow to reddish, 3-10 × 0.7-1.7 mm, not woody, glabrous. *Thyraxes* geminate, pauciflorous, compact to somewhat diffuse; peduncle 2 mm long, glabrescent; pedicel 1.5-18 mm long, glabrescent; calyx sparsely pubescent outside, glabrous inside, lobes triangular, 0.7-1.3 × 1-1.5 mm; corolla white, subrotate, 3-4 mm long, glabrous on both sides, the tube 1-3 mm long, lobes widely ovate, apex rounded; corona present, 1-1.7 mm long, undivided; stamens 1.5-2.6 mm long, anthers transversely oblong, 1.1-1.8 mm long; pistil 1.5-2.2 mm long, stigma capitate. *Fruiting* pedicel 3-7 × 0.9-1.1 mm; young fruits green, brown when mature, ovoid, 11-19 × 8-12.5 mm, surface smooth, apex flat to rostellate, the rostellum flattened, with the persistent style; dry pericarp 0.6-1.2 mm thick; endocarp woody; seed 7-13 × 5.5-8.5 mm.

Distribution, ecology and phenology

Noronhia luteola occurs in littoral and low- to high-elevation dry forests and thickets in the south, from Fanjahira to Fort-Dauphin (Fig. 27). It produces flowers and fruits from October to June.

Conservation status The assessment included 23 collections representing 13 localities and resulted in an EOO of 21,499 km², an AOO of 44 km², and eight subpopulations representing seven locations, of which two occur within the newly established protected areas of Mandena and Petriky. Some of the subpopulations occur in an area that is frequently burned for grazing while others are currently affected by industrial mining in southern Madagascar. Because of observed and projected continuing decline in habitat quality as well as habitat loss, coupled with an actual AOO that is probably less than 2,000 km², *N. luteola* is assigned a preliminary status of “Vulnerable” [VU B2ab(ii,iii,iv,v)], although the EOO is not expected to decline in the near future.

Notes *Noronhia luteola* can be recognized by its coriaceous, oblong to obovate leaf blades, short-peduncles, and subrotate, white flowers. The following syntypes were cited in the protologue: *Humbert* 2760, 6825, 11641, 12656 and 13370, *Seyrig* 642 and 642b. Of these, *Seyrig* 642b is the only one with flowers and several duplicates, and one of the sheets at P has therefore been chosen as the lectotype.

Additional specimens examined **MADAGASCAR. Prov. Toliara:** Forêt de Petriky, 25°05'S 46°52'E, 0-10 m, 5.XII.1989, *Dumetz & McPershon* 1121 (MO, TAN); Ampasy Nampoana, forêt de Mandena, 24°57'10"S 47°00'10"E, 9 m, 12.II.2009, *Hong-Wa* 594 (MO, P, TAN); Mandena forest, 24°57'S 47°00'E, 25 m, 25.X.1989, *McPherson et al.* 14230 (MO, P, TAN, TEF); Manambaro, Ambovo, forêt de Petriky, 25°03'03"S 46°53'44"E, 6 m, 24.VI.2004, *Rabenantandro et al.* 1606 (G, MO, P, TEF); Manafiafy, 24°46'S 47°12'E, 12.XI.1990, *Rabevohitra* 2434 (K, MO, P, TAN, TEF); Mahatalaky, Belavenoka, 24°50'S 47°04'E, 15.XI.2007, *Ramison & Rabevohitra* 400 (G, MO, P, TAN).



Fig. 33. Photographs of *Noronhia* Stadtm. ex Thouars. **A.** *Noronhia luteola* H. Perrier [Hong-Wa 594]; **B.** *Noronhia macrocarpa* Hong-Wa [Razakamalala 2941]; **C.** *Noronhia maculata* Hong-Wa [S. Randrianasolo 633]; **D.** *Noronhia mangorensis* H. Perrier [Antilahimena 6044].

Photos: taken by respective collectors except B: C. Rakotovao; C: C. Claude