

Noronhia seyrigii

Objekttyp: **Chapter**

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

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

PDF erstellt am: **21.06.2024**

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.

76. *Noronhia seyrigii* H. Perrier in Mém. Inst. Sci. Madagascar, Sér. B, Biol. Vég. 2: 297. 1949 (Fig. 56D).

Lectotypus (designated here): **MADAGASCAR. Prov. Toliara:** env. d'Ampandrandava (entre Bekily et Tsivory), [24°05'S 45°42'E], 1000 m, XII.1943, *Seyrig 22b* (P [P00413240]!); isolecto-: P [P00413239]!. **Syntypi:** **MADAGASCAR. Prov. Toliara:** vallée moyenne du Mandrare, Anadabolava, [24°39'S 46°26'E], 200-250 m, XII.1933, *Humbert 12375* (G [G00188783, G00188784] image seen, K [K000233176] image seen, P [P03559312, P03559313, P03559314]!); *ibid. loc.*, [24°39'S 46°26'E], 200-250 m, XII.1933, *Humbert 12445* (P [P03559311]!); Mts Kotriha et Isomonobe, vallée de la Manambolo, [24°32'S 46°34'E], 400-600 m, XII.1933-I.1934, *Humbert 12808* (P [P03559307, P03559309]!); vallée de la Manambolo, env. d'Isomono, [24°30'S 46°35'E], 400-900 m, XII.1933, *Humbert 12955* (K [K000233177] image seen, P [P03559275, P03559276]!); Mt Morahariva (Mahamena), vallée de la Manambolo, env. d'Isomono, [24°32'S 46°38'E], 1000-1400 m, XII.1933, *Humbert 13227* (P [P03559308, P03559310]!); env. de Benenitra, Onilahy, [23°27'S 45°05'E], VII.1909, *Perrier de la Bâthie 12715* (P [P03559267, P03559268]!); bords de la Sakoa, Onilahy, [23°43'S 44°48'E], VIII.1925, *Perrier de la Bâthie 17362* (P [P03559274]!); vallée de l'Onilahy, [23°34'S 44°46'E], VIII.1925, *Perrier de la Bâthie 19259* (P [P03559269]!); Ampandrandava, [24°05'S 45°42'E], 700-1000 m, II.1943, *Seyrig 22* (= *Herb. Jard. Bot. Tan. 6101*) (K [K000233178] image seen, P [P03559277, P03559278, P03559280]!); *ibid. loc.*, VIII.1944, *Seyrig 22c* (P [P03559270]!).

Description *Trees* to 30 m tall, trunk to 60 cm diameter; young twigs cylindrical, 0.4-1.7 mm diameter, pubescent; bark light gray to yellowish, slightly rugose. *Leaves* opposite, deciduous; bud scales persistent; blades medium green above, lighter below, lanceolate to oblong, 4.5-12 × 1-3 cm, chartaceous, glabrous, domatia casual, base acute to attenuate, margin flat to slightly undulate, apex acute to acuminate, the acumen 1-13 mm long, midrib sunken above, raised below, secondary veins conspicuous, 6-17 per side, 5-15 mm apart, looping 1-6 mm from the margin; petiole green, 4-15 × 0.4-1.2 mm, not woody, pubescent. *Thyrse*s geminate to fasciculate, multiflorous, compact to somewhat diffuse; peduncle 2-4 mm long, moderately to densely pubescent; pedicel (0-)0.4-9 mm long, moderately to densely pubescent; calyx moderately to densely pubescent outside, glabrous inside, lobes triangular, 0.5-1.6 × 0.7-1.6 mm; corolla red-brown tinged green outside, red-brown inside, cupuliform, 2.5-5 mm long, glabrous on both sides, the tube 1-3 mm long, lobes widely ovate, apex rounded; corona present, 1-2 mm long, undivided; stamens 1-2.6 mm long, anthers transversely oblong, 0.6-1.8 mm long; pistil 1.2-2.5 mm long, stigma bilobed. *Fruiting pedicel* 1-8 × 0.8-2 mm; young fruits green, reddish brown when mature, subglobose to ovoid, 11-21.5 × 7-19 mm, surface smooth, apex bluntly pointed to rostellate, the rostellum circular, rounded; dry pericarp 0.4-1.9 mm thick; endocarp woody; seed 7-17 × 5.5-12.5 mm.

Distribution, ecology and phenology

Noronhia seyrigii occurs in low- to mid-elevation transitional forests and thickets, from Antsalova in the west to Fort-Dauphin in the south (Fig. 49). It produces flowers and fruits throughout the year except in May.

Conservation status

Sixty-seven collections representing 58 localities were available for analysis, which yielded an EOO of 168,756 km², an AOO of 216 km², and 48 subpopulations representing 37 locations, of which 11 occur within protected areas (Amoron'i Onilahy, Analavelona, Andohahela, Behara-Tranomaro, Bemaraha, Beompa, Beza-Mahafaly, Pic d'Ivohibe, Tsimembo, and Zombitsy). Being widespread and occurring in many protected areas, *N. seyrigii* is assigned a preliminary status of "Least Concern".

Notes

Noronhia seyrigii can be recognized by its non-woody, pubescent petioles, chartaceous, lanceolate leaf blades, red-brown tinged greenish flowers, and subglobose fruits with woody endocarp. This species closely resembles *N. tropophylla* from which it differs mainly by the flower color (red vs. white) and the presence of a corona. Because of the high degree of similarity between these two species and their partially overlapping distribution, identification of non-flowering material is difficult and often inaccurate.

Noronhia seyrigii was based on the following syntypes: *Humbert* 12375, 12445, 12808, 12955 and 13227, *Perrier de la Bâthie* 12715, 17362 and 19259, *Seyrig* 22a, 22b, 22c and 22 (=Herb. Jard. Bot. Tan. 6101). Of these specimens, *Humbert* 12375 and *Seyrig* 22b have the most complete material and are represented by the most duplicates, therefore one of the sheets of *Seyrig* 22b at P has been chosen as the lectotype since the species is named after André Seyrig (1897-1945), a French civil engineer and renowned naturalist who worked extensively in southern Madagascar.

PERRIER DE LA BÂTHIE (1949) mentioned *Humbert* 1322 as one of the syntypes in the protologue. However, this is a typographical error for *Humbert* 13227, which he later corrected in the "Flore de Madagascar et des Comores" volume (PERRIER DE LA BÂTHIE, 1952). Likewise, *Seyrig* 22a is listed as a syntype but it could not be located at the Paris herbarium. Interestingly, there are two specimens numbered *Seyrig* 22 (P [P03559277, P03559278]!), of which only one bears the mention "ex *Herbier du Jardin Botanique* 6101" (P [P03559277]), yet there is also another specimen explicitly numbered *Herb. Jard. Bot. Tan. 6101* (P [P03559280]!). It is thus possible that both duplicates of *Seyrig* 22 correspond to *Seyrig* 22a, as listed by PERRIER DE LA BÂTHIE (1949), or at least the duplicate without any reference to *Herb. Jard. Bot. Tan. 6101*, namely *Seyrig* 22 (P [P03559278]). Given these facts, *Seyrig* 22a should not be regarded as a syntype.

Additional specimens examined

MADAGASCAR. Prov. Fianarantsoa: Ihosy Menaraka, [22°13'S 46°20'E], 21.III.1952, *Herb. Stat. Agric. Alaotra* 4515 (TAN); Ivohibe, Antambohobe, Analavory, [22°31'S 46°59'E], 10.XII.1957, *Réserves Naturelles* 9574 (P, TAN); Ihosy, Kitranga, [22°17'S 46°18'E], 750 m, 28.IV.1954, *Service Forestier* 10126 (MO, P, TEF); Ihosy, Sahalalina, Analovoky, Menarahaka, [22°32'S 46°29'E], 28.III.1955, *Service Forestier* 13792 (P, TEF); Ihosy, [22°14'00"S 46°20'30"E], 0-700 m, 24.VII.1955, *Service Forestier* 14683 (P, TEF); Zazafotsy, Ankazobetroka, [22°21'S 46°28'E], 700 m, 26.VIII.1955, *Service For-*

estier 15490 (MO, P, TEF). **Prov. Mahajanga:** Basaraha, 0-20 m, 23.XII.1952, *Leandri et al.* 2237 (G, MO); Antsalova, [18°53'S 044°23'E], 20-130 m, 1.X.1954, *Service Forestier 11175* (P, TEF); Antsingy, Antsalova, [18°40'S 44°52'E], 150-750 m, 27.X.1954, *Service Forestier 12010* (P, TEF); Maintirano, route d'Antsalova, [18°39'S 44°37'E], 7.VII.1956, *Service Forestier 16340* (G, TEF). **Prov. Toliara:** Fort-Dauphin, Ambatoabo, Andohahela PN, parcelle 2, 24°47'10"S 46°43'33"E, 681 m, 16.I.2007, *Andriamihajarivo et al.* 1100 (MO, P, TAN); Andohahela PN, 24°49'49"S 46°32'15"E, 30-50 m, 16.III.1994, *Andri-anarisata et al.* 82 (G, MO, P); 30 km après Betroka, [23°15'S 46°05'E], 1.XII.1959, *Bosser 13901* (P, TAN); Along banks of Onilahy river, 23°51'S 44°19'E, 60 m, 14.II.1975, *Croat 31176* (MO, P, TAN); Fort-Dauphin, forêt de Vinanibe, 25°03'S 46°56'E, 100 m, 17.X.1990, *Dumetz 1308* (MO, P, TAN); de Tsivory à Anadabolava, Mandrare moyen, [24°39'S 46°26'E], 300-400 m, 1.XII.1933, *Humbert 12340* (MO, P); Ankoba, near E edge of Andohahela PN Park, 24°47'26"S 46°42'02"E, 175 m, 23.I.2008, *Lowry et al.* 6940 (G, MO, P); Beza Mahafaly RS near Betioky, 23°39'S 44°38'E, 130 m, 20.IV.1987, *Phillipson 1692* (MO, TAN); Makay Massif, 21°14'04"S 45°20'07"E, 450 m, 25.XI.2010, *Phillipson et al.* 6227 (G, K, MO, P, TAN); Ambohimahavelona, Sept Lacs, 23°26'59"S 43°56'25"E, 150 m, 9.II.2000, *Randrianaivo et al.* 494 (MO, P, TAN); Sakaraha, Mahaboboka, forêt d'Analaraty, 22°49'15"S 44°17'17"E, 520 m, 16.XI.2010, *Randrianarivony et al.* 235 (G, MO, P, TAN); Sakaraha, Ambovondrisaro, 22°40'34"S 44°11'40"E, 1075 m, 7.XII.2009, *A. Randrianasolo 1233* (MO, P); Imanombo, [24°26'00"S 45°49'30"E], 300 m, 25.IX.1950, *Service Forestier 1506* (P, TAN, TEF); 45 km de Tuléar, 30.I.1952, *Service Forestier 4557* (P, TAN, TEF); Ampasindava, Behara, [25°07'S 46°29'E], 0-50 m, 19.IV.1952, *Service Forestier 5296* (MO, P, TAN, TEF); Dabara, Mahabo, [20°24'S 44°47'E], 100 m, 14.XI.1952, *Service Forestier 6146* (TEF); Bekily, Ambahitra, forêt d'Analabe, [24°07'S 45°18'E], 15.II.1954, *Service Forestier 9252* (P, TEF); Antanimiheva, Befandriana-Morombe, [22°16'S 43°18'E], 300 m, 29.VII.1954, *Service Forestier 10499* (P); Mikoboka, Fanjakana, Analavelona, [22°40'S 44°10'E], 600 m, 28.XI.1954, *Service Forestier 12111* (MO, P, TEF); Morondava, Befasy, Marotavilo-Ankazofotsy, [20°58'S 44°26'E], 10.X.1955, *Service Forestier 15023* (MO, P, TEF); de Tuléar à Sarodrano, [23°37'S 43°44'E], 0-100 m, 26.III.1961, *Service Forestier 20179* (P, TEF); Androy, à l'O d'Imanombo, [24°26'S 45°49'E], 24.I.1963, *Service Forestier 22512* (MO, P, TEF); 20 km sur la route Ampanihy-Tuléar, [24°41'S 44°45'E], 22.VII.1954, *Service Forestier 167-R-18* (TEF).