

Ampijoroa, <https://www.durrell.org>). Monthly mean temperature generally ranges from ca. 23°C in July to ca. 28°C in October, with the annual mean being 25.4–26.1°C. A botanical survey was conducted in Jardin Botanique A, ca. 30-ha area dedicated to scientific research, on a gentle hill at an elevation from 140 to 200 m. Topsoil is coarse white sand, which is quick to drain and infertile (Lourenço & Goodman 2006). The canopy layer normally appears at 10–15 m high, consisting of both deciduous and evergreen species (Ramangason 1988, Fujimoto *et al.* 2024).

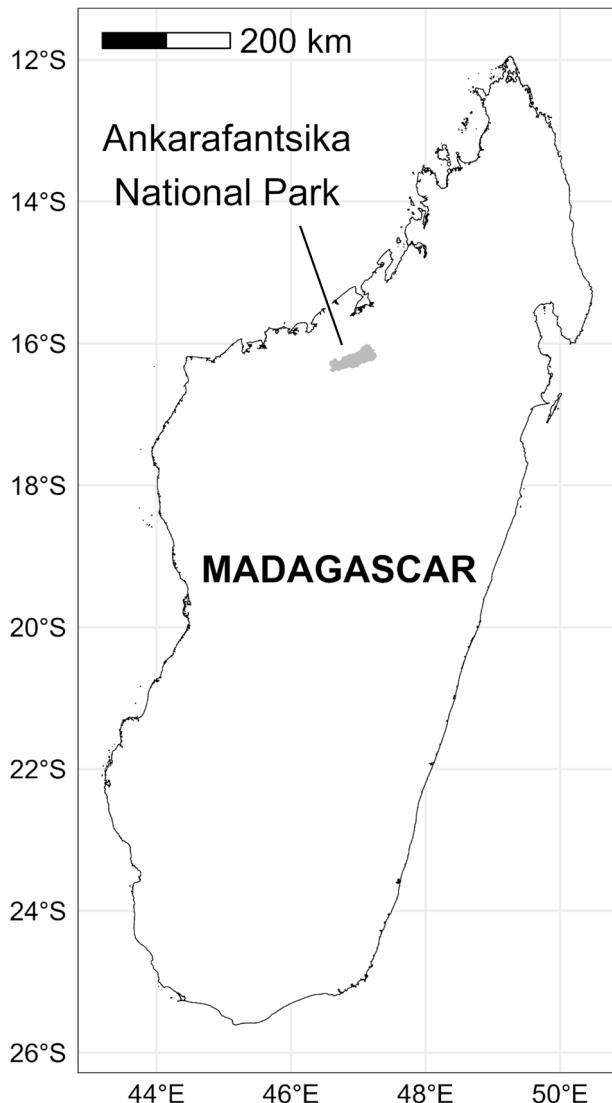


FIGURE 1. Location of Ankafantsika National Park.

During our botanical inventories in the above area in 2023, an unknown species of *Impatiens* was collected. After careful examination with reference to herbarium specimens at Herbs. DBEV, KAG, and TAN (herbarium codes follow Thiers 2024), digital specimen images available online (e.g., JSTOR Global Plants, <https://plants.jstor.org>), and relevant literature (Perrier de la Bâthie 1934, 1948, Fischer & Rahelivololona 2002, Fischer *et al.* 2003, Fischer & Rahelivololona 2004, 2007a, b, Abrahamczyk & Fischer 2015, Fischer & Rahelivololona 2015a, b, c, 2016, Fischer 2016, Fischer *et al.* 2017, 2020), it was clear that the species was as yet undescribed. It is formally described below.

Taxonomy

Impatiens alboarenicola Y.Fujimoto, Rabarison & Tagane, sp. nov. (Figs 2 & 3)

TYPE:—MADAGASCAR. Boeny Region: Marovoay District, Ankafantsika National Park, 16.31722°S, 46.81053°E, 152 m elev., 20 February 2023, S. Tagane & H. Rabarison A261 (holotype DBEV!; isotypes KAG [KAG184161!], TAN!).

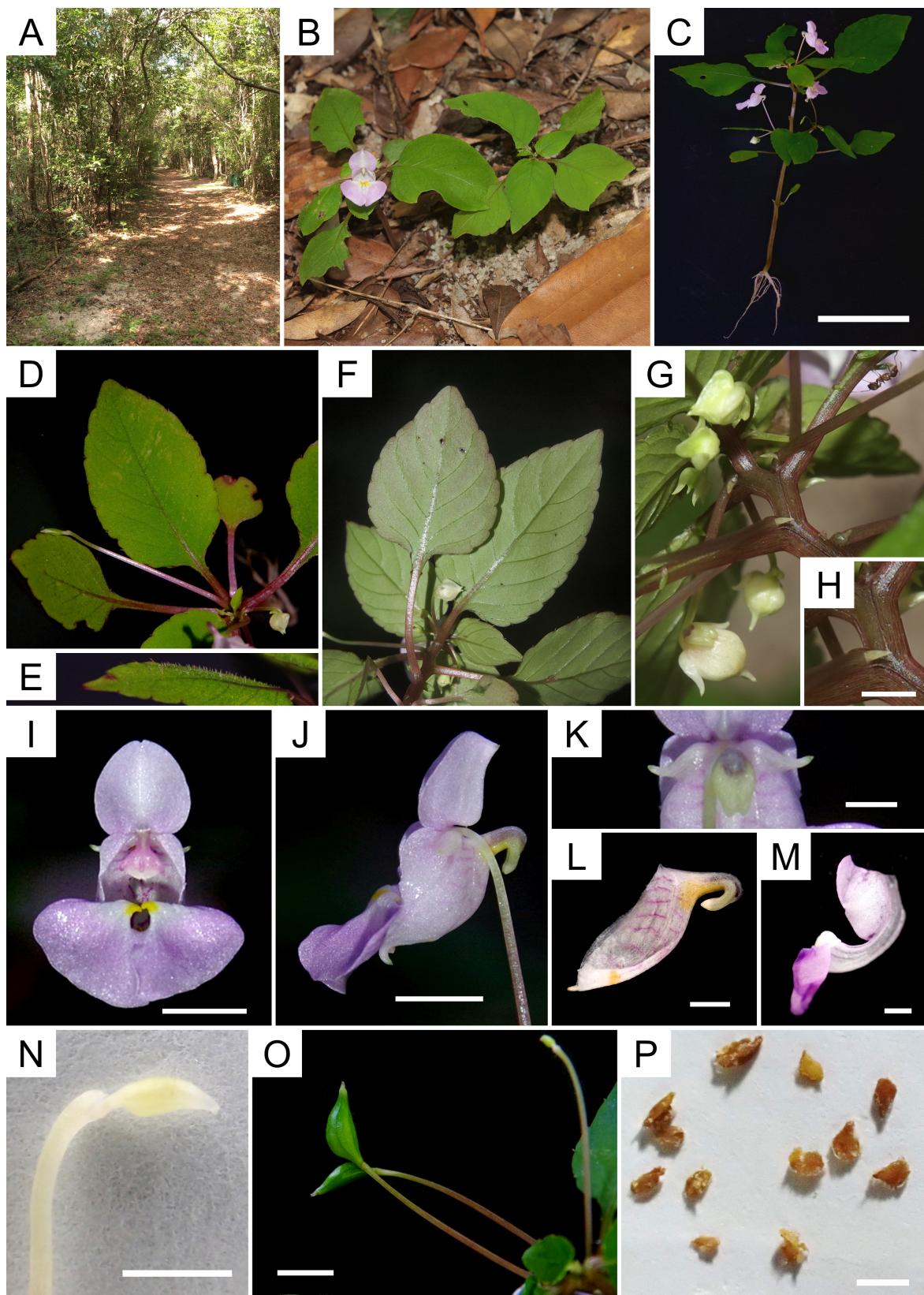


FIGURE 2. *Impatiens alboarenicola* Y.Fujimoto, Rabarison & Tagane. A. Habitat. B. Habit. C. Entire plant body. D. Adaxial leaf surface. E. Hairs on an adaxial leaf surface. F. Abaxial leaf surface. G. Flower buds. H. Bract. I. Flower (front view, male stage). J. Flower (lateral view). K. Lateral sepals. L. Lower sepal with spur (lateral view). M. Lateral united petal (lateral view). N. Ovary. O. Fruits. P. Seeds. Photos: A and F–H from S. Tagane et al. A261; B from S. Tagane et al. A190; D from Y. Fujimoto A339; C, E, and I–P from Y. Fujimoto A340. Scale bars: C = 5 cm; I, J, and O = 5 mm; H, K–N, and P = 2 mm. Photographed by S. Tagane (A, B, and F–H), Y. Fujimoto (C–E and I–O), and W. Noyori (P).

KAG 184161

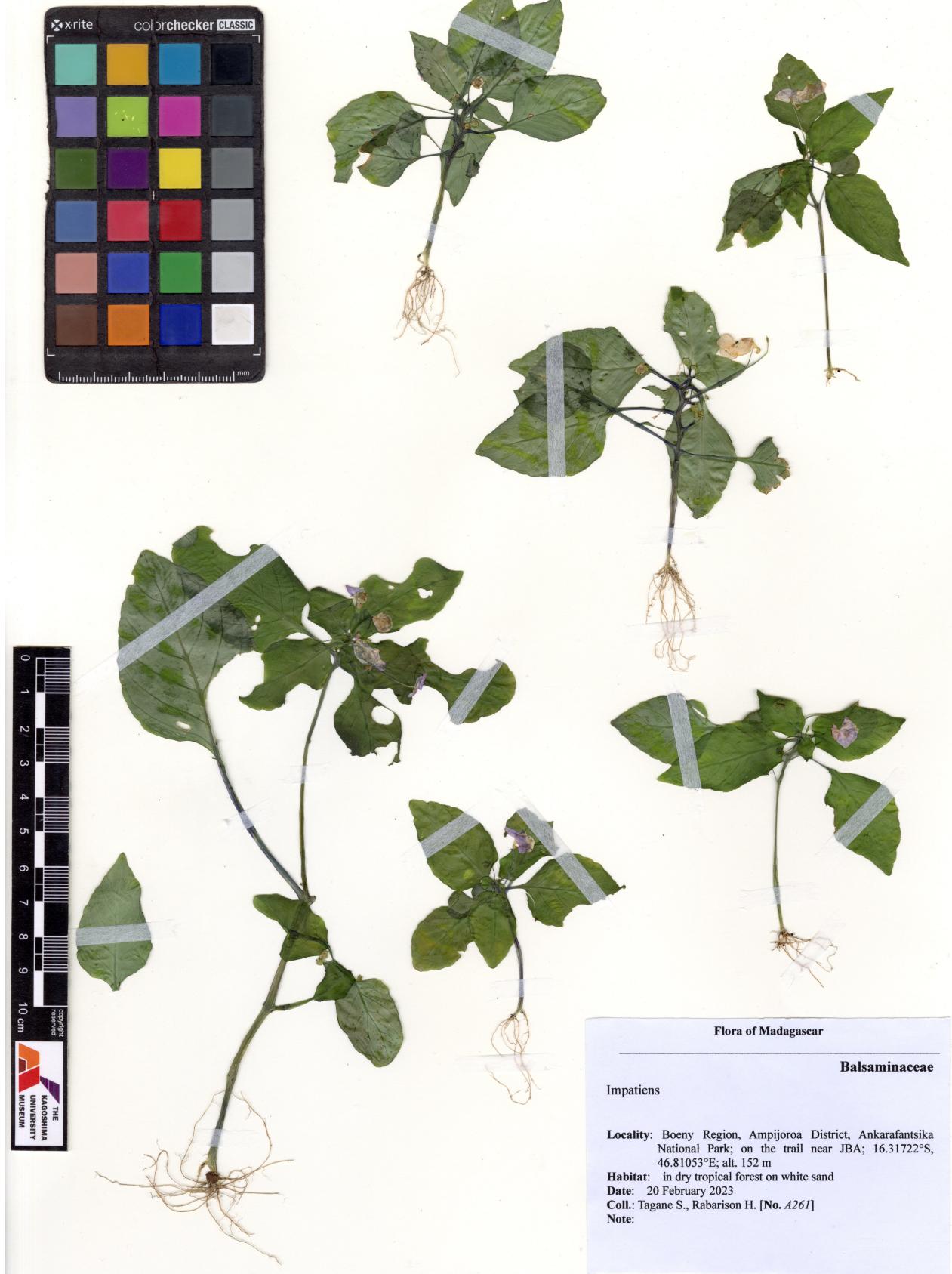


FIGURE 3. Isotype of *Impatiens alboarenicola* Y.Fujimoto, Rabarison & Tagane (KAG184161).

Flora of Madagascar

Balsaminaceae

Impatiens

Locality: Boeny Region, Ampijoroa District, Ankarafantsika National Park; on the trail near JBA; 16.31722°S, 46.81053°E; alt. 152 m

Habitat: in dry tropical forest on white sand

Date: 20 February 2023

Coll.: Tagane S., Rabarison H. [No. A26/]

Note:

