



Ouratea neuridesii (Ochnaceae), a new species from central Cuba

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Source: Willdenowia, 38(1) : 173-176

Published By: Botanic Garden and Botanical Museum Berlin (BGBM)

URL: <https://doi.org/10.3372/wi.38.38111>

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IDELFONSO CASTAÑEDA NOA

Ouratea neuridesii* (Ochnaceae), a new species from central Cuba*Abstract**

Castañeda Noa, I.: *Ouratea neuridesii* (Ochnaceae), a new species from central Cuba [Novitiae florae cubensis 26]. – Willdenowia 38: 173-176. – ISSN 0511-9618; © 2008 BGBM Berlin-Dahlem.
doi: 10.3372/wi.38.38111 (available via <http://dx.doi.org>)

Ouratea neuridesii is described as a species new to science, endemic to the mountains of Trinidad (Guamuhaya massif), central Cuba, and illustrated. It is easily distinguished from all other Cuban *Ouratea* species by its short, rigid branches and dense foliage as well as short, few-flowered paniculate inflorescences.

Additional key words: taxonomy, endemism, Topes de Collantes, mogote vegetation.

Ouratea Aubl. is a genus of trees and shrubs with simple, alternate leaves and entire, deciduous stipules. Between the secondary leaf veins, which are arcuate-ascending and become parallel to the leaf margin distally, the inter-secondary veins are either sub-parallel or densely reticulate. The flowers, borne in paniculate inflorescences, are bright yellow, bisexual, actinomorphic, pentamerous, with free sepals and petals, 10 stamens, 5 carpels inserted on a columnar receptacle, apically united to form a single central style or less frequently each with its distinct style. The fruits are drupaceous, each mature carpel separating to form a fleshy, bright blue or black drupe, all borne on the receptacle or torus, which becomes enlarged, fleshy and red-coloured.

The genus *Ouratea* is most numerous in northwestern South America. In Cuba 7 species and 2 nothospecies were known (Berazaín 2003, 2006): 3 in E Cuba (*O. revoluta* (C. Wright ex Griseb.) Engl., *O. xolismifolia* Britton & P. Wilson and *O. striata* (Tiegh.) Urb.), 3 in W Cuba (*O. elliptica* (A. Rich.) M. Gómez, *O. schizostyla* Berazaín and *O. xacunae* Borhidi) and 3 in both W and C Cuba (*O. agrophylla* (Tiegh.) Urb., *O. nitida* (Sw.) Engl. and *O. xsavannarum* Britton & P. Wilson). During botanical expeditions to the Trinidad Mountains (or Guamuhaya massif), a plant was collected that differs notably from all other Cuban *Ouratea* species and pertains to a new species.



Fig. 1. *Ouratea neuridesii* – photograph of the holotype specimen.

Ouratea neuridesii I. Castañeda, **sp. nov.**

Holotype: *Castañeda & Noa 9064* (ULV; isotypes: B, HAC, HAJB, ULV). – Fig. 1-2.

A ceteris speciebus cubensibus hujus generis ramis brevibus rigidis foliisque crebris primo intuitu distinguitur. Folia parva venis intersecundariis reticulum densum formatibus; inflorescentiae pauciflorae, breviter paniculatae, rhachide ad 4 cm longo.

Small, up to 3 m tall tree with short and rigid branches. *Leaf blade* ovate to elliptical, measuring (3.3-)3.7(-4) × (1.5-)1.8(-2) cm, coriaceous, acute and sometimes slightly emarginate, base cuneate, margins entire and revolute; *secondary veins* somewhat prominent, arcuate-ascending; *inter-secondary veins* forming a dense reticulum. *Inflorescences* terminal or subterminal, short, corymbose-paniculate, few-flowered, with an up to 4 cm long rachis and up to 2.5 cm long lower branches. *Pedicels* 5 mm long. *Sepals* imbricate, ovate, mucronulate, measuring 3.8-4 × 1.8-2 mm, deciduous. *Petals* imbricate in the bud, bright yellow, obovate-orbicular, measuring 3.8-4 × 3-3.5 mm, membranous, with erose margin. *Stamens* 10; anthers sessile, 4-angular, 2.6 mm long, papillose, opening by two apical pores. *Ovary* 5-merous, borne on a columnar receptacle 1-2 mm long; style gynobasic, 2.8 mm long. *Fruit* unknown.

Specimens seen. – CUBA: PROV. SANCTI SPIRITUS: Trinidad, Mountains of Trinidad, Topes de Collantes [“Collante”], “Loma Mi Retiro”, north slope, near the top, 800-900 m, mogote vegeta-

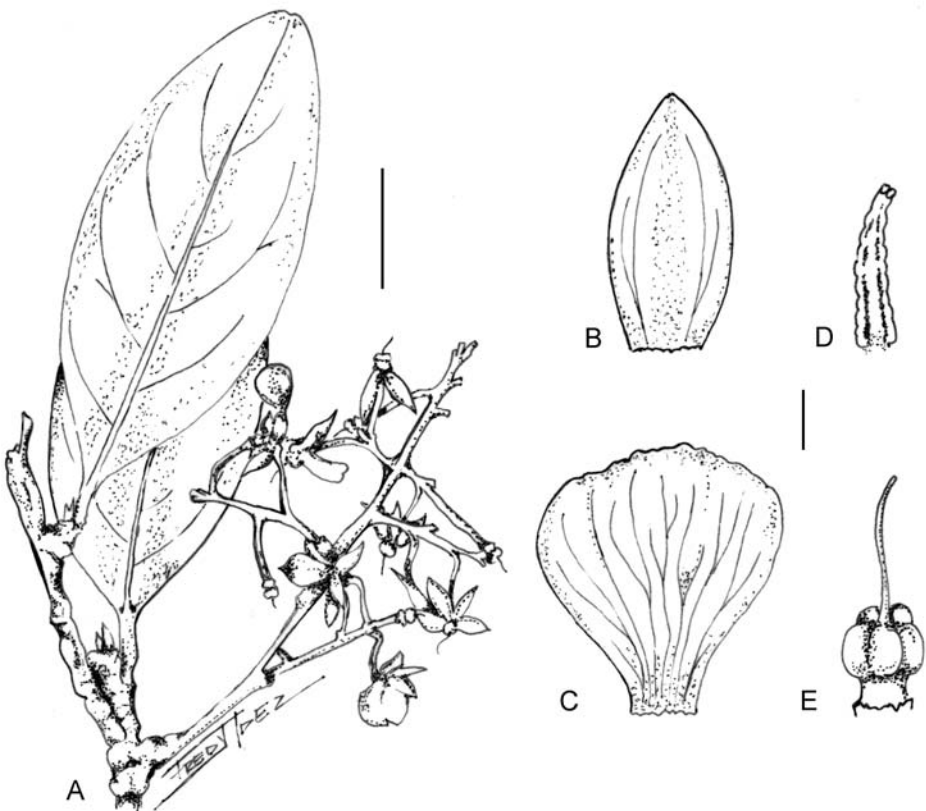


Fig. 2. *Ouratea neuridesii* – A: branch apex with leaves and inflorescence; B: sepal; C: petal (abaxial surface); D: anther; E: pistil. – Scale bars: A = 1 cm, B-D = 1 mm; drawing by Fredy Hernández Martínez from the holotype.

tion complex, 29.4.2006, *Castañeda & Noa 9064* (B, HAC, HAJB, ULV); *ibid.*, 22.5.1999, *Castañeda & Vera 6840* (HPVC); *ibid.*, 15.11.1991, *Noa & al. 4422* (HPVC).

Eponymy. – The epithet honours Neurides Vera Roca, connoisseur of the flora of the Mountains of Trinidad, who gave support to numerous botanists exploring that territory.

Affinities. – *Ouratea neuridesii* resembles *O. xolismifolia* Britton & P. Wilson, endemic to the Sierra Maestra range in E Cuba, in its small leaves and inflorescences, and densely reticulate inter-secondary leaf venation. However, it differs from this and all other Cuban species of the genus in its short and rigid branches, dense foliage, up to 4 cm long leaf blades and corymbose-paniculate, terminal or subterminal inflorescences with an up to 4 cm long rachis.

Characterization of the habitat. – The species grows in the vegetation complex characteristic of mogotes (steep-sided karstic hillocks): a low, open forest, with a dense shrubby undergrowth and abundant epiphytes. Among the associated species one may mention *Erythroxylum clarense* Borhidi & Muñiz, *Gyminda latifolia* (Sw.) Urb., *Mahonia tenuifolia* Loud. ex Steud., *Karwinskia portorilloana* (Borhidi & Muñiz) Borhidi, *Casearia silvestris* subsp. *myricoides* (Griseb.) J. E. Gut., *Eugenia clarensis* Britton & P. Wilson, *Picramnia reticulata* Griseb, *Coccothrinax trinitensis* Borhidi & Muñiz and various species of the orchid genera *Pleurothallis* and *Lepanthes*.

Acknowledgements

The author thanks Dr Rosalina Berazaín Iturralde, Dr Hermann Manitz and Prof. W. Greuter for their advice and critical revision of the manuscript, Prof. Susana Carrera Gómez for the translation of the diagnosis into Latin and Fredy Hernández Martínez for drawing the illustration.

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