

## Two new species of *Ouratea* AUBLET (Ochnaceae) in the "Hylea amazonica peruana"

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### Abstract

Two new species of *Ouratea* AUBLET (Ochnaceae) from Peru are described: *Ouratea megaphylla* SASTRE sp.n. and *O. wallnoeferiana* SASTRE sp.n.

**Key words:** Taxonomy, Peru, Ochnaceae, *Ouratea*, new species.

### Zusammenfassung

Zwei neue Arten der Gattung *Ouratea* AUBLET (Ochnaceae) aus Peru werden beschrieben: *Ouratea megaphylla* SASTRE sp.n. und *O. wallnoeferiana* SASTRE sp.n.

During the years 1985 and 1988 W. Morawetz and B. Wallnöfer collected in Peru (Dept. Huanuco, Prov. Pachitea) four vouchers representing two undescribed species of *Ouratea* AUBLET (Ochnaceae) that I name and describe below.

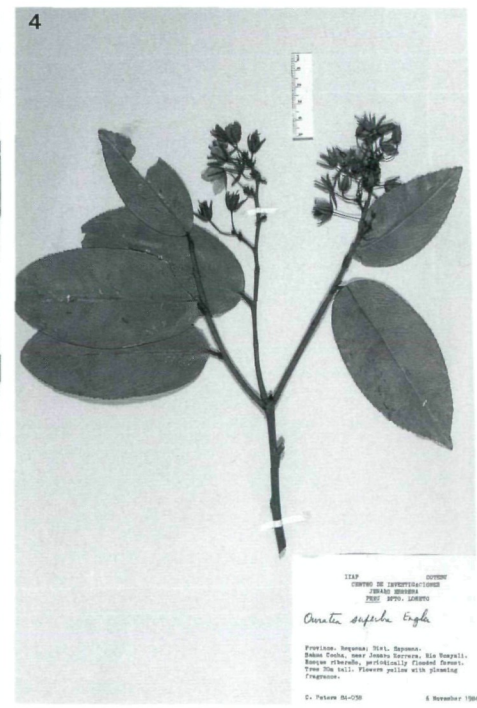
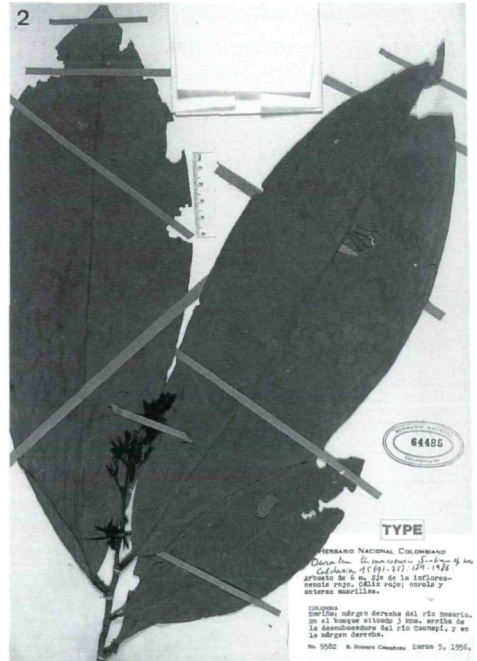
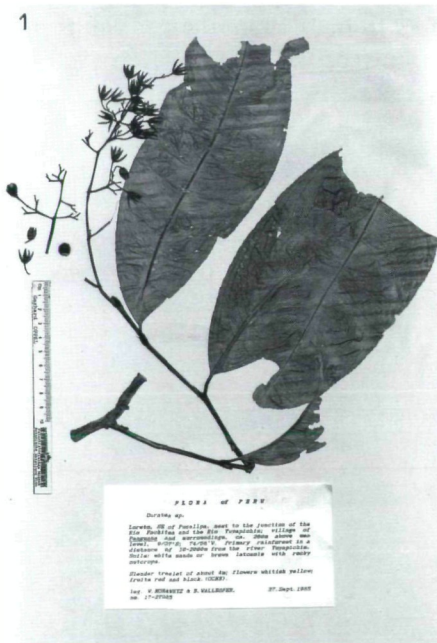
### *Ouratea megaphylla* sp.n. (sect. *Ouratea*)

**Type:** Peru, Huánuco, SE of Pucallpa, next to the junction of the Rio Pachitea and the Rio Yuyapichis, village of Panguana and surroundings, ca. 260 m, 27. Sep. 1985, W. Morawetz & B. Wallnöfer 17-27985 [holotype W; isotypes LZ, P, USM] (Fig. 1).

Ab *O. gigantophylla* (ERHARD) ENGLER lamina membranacea, nervis tertiariis prominentibus in pagina inferiore, stipulis 8 - 10 mm longis, inflorescentia pendente, sepalis sub fructu persistentibus differt. Ab *O. tumacoensis* SASTRE foliis basi breviter angustatis, stipulis 8 - 10 mm longis, inflorescentia pendente ramosaque differt (Fig. 2).

Slender treelet about 4 m tall; young stem with small hairs well spaced. Leaves membranous, elliptic, 35 - 40 cm long, 10 - 12 cm wide; apex acuminate; base shortly attenuate; margin undulate-denticulate; principal and lateral veins salient on both surfaces; lateral veins unequal: bigger ones arcuate, ascending along the margin, several smaller ones between them straight, and subparallel; petiole 2 cm long; stipules paired, coriaceous, triangular, 8 - 10 mm long, 2 - 2.5 mm at base. Inflorescence a terminal panicle, pendulous, 20 cm long; peduncle 10 mm long. Sepals 5, 9 - 11 x 3 mm, ovate; petals 5, 11 - 12 x 3 - 3.5 mm, obovate; stamens 10, 9 mm long; style 5.5 mm long. Fruits with persistent sepals; torus subconical, sometimes curved, red when mature, 6 - 7 x 3 - 4 mm; carpels 1 - 2, 8 x 6 mm black when mature.

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Figs. 1 - 4: (1) *Ouratea megaphylla* sp.n., W. Morawetz & B. Wallnöfer 17-27985 [holotype W]. (2) *O. tumacoensis*, R. Romero-Castañeda 5582 [holotype COL]. (3) *O. wallnoeferiana* sp.n., B. Wallnöfer 12-31088 [holotype P]. (4) *O. superba*, C. Peters 84-038 [P].

*Ouratea megaphylla* sp.n., with its large leaves, is similar to *O. gigantophylla* (ERHARD) ENGLER and to *O. tumacoensis* SASTRE. It differs from *O. gigantophylla* in its membranous leaf blades with nerves prominent in both surfaces, in its stipules 8 - 10 mm long, in its pendulous inflorescences and in its sepals persistent at fruiting. *Ouratea megaphylla* sp.n. differs from *O. tumacoensis* in the base of the leaf blades being shortly attenuate, the stipules 8 - 10 mm long, and the inflorescences paniculate and pendulous.

*Ouratea megaphylla* sp.n. occurs in Huánuco, Peru, and is known only from the type locality. *Ouratea gigantophylla* was described from Bahia and has been collected in Suriname. *Ouratea tumacoensis* is a Colombian species occurring in Nariño Province, near Tumaco, along the Pacific coast.

***Ouratea wallnoeferiana* sp.n. (sect. *Ouratella* (VAN TIEGHEM) SASTRE)**

**Type:** Peru, Dept. Huánuco, Prov. Pachitea, region of Pucallpa, W part of the "Sira mountains", from 20 - 24 km SE of Puerto Inca, "Campamento Sira", 9°28'S, 74°47'W, primary mountain rain forest, 800 m alt., 3. Oct. 1988, B. Wallnöfer 12-31088 [holotype P; isotypes LZ, USM, W] (Fig. 3).

**Paratypes:** Peru, Dept. Huánuco, Prov. Pachitea, region of Pucallpa, W part of the "Sira mountains" from 20 - 24 km SE of Puerto Inca, "Campamento Sira" 9°28'S, 74°47'W; primary mountain rain forest, 800 m alt., 13. Aug. 1988, W. Morawetz & B. Wallnöfer V22-13888 [LZ, P, USM, W]. - Ibid., 24 Aug. 1988, W. Morawetz & B. Wallnöfer 14-24888 [LZ, P, USM, W].

Ab *Ouratea superba* ENGLER foliorum margine integra, sepalis 7 mm longis (versus 10 - 11 mm) pilosis caducis in fructu, petalis 7 - 8 mm longis (versus 12 - 14 mm) differt (Fig. 4). Ab *Ouratea boliviana* VAN TIEGHEM foliorum margine integra, 5 carpellis (versus 6 - 8) differt.

Tree 10 - 20 m tall; stems glabrous. Leaves coriaceous, a few undulate, obovate-elliptic to elliptic-ovate, 9 - 18 cm long, 2.5 - 6 cm wide; base attenuate; margin entire with very small teeth; apex apiculate; principal and lateral veins prominent below; secondary veins subequal; petiole 5 - 6 mm long. Inflorescence terminal on short secondary branches, paniculate, 7 - 9 cm long; peduncle ca. 8 mm long; bracts triangular, caducous, 2 mm long, 1 mm wide at base. Sepals 5, triangular, 7 mm long, 2 mm wide at base; petals 5, spatulate, 7 - 8 mm long, 8 - 9 mm wide; stamens 10, 6 mm long; style 7 mm long, 8 mm at anthesis. Fruits not seen.

With its paniculate inflorescence and medium-sized leaves, *O. wallnoeferiana* sp.n. is similar to *O. superba* ENGLER (sect. *Ouratea*) and *O. boliviana* VAN TIEGHEM (sect. *Polyouratea* (VAN TIEGHEM) SASTRE). *Ouratea wallnoeferiana* sp.n. differs from *O. superba* in its sepals not persistent until fruiting, in the size of its flowers (see above) and in the margin of the leaves being entire. It differs from *O. boliviana* in the number of carpels (see above) and the entire margin of the leaves.

Known only from the type-locality, *O. wallnoeferiana* sp.n. occurs in Peru, while *O. superba* is found in the *Hylea amazonica* (Peru and Brazil) and in Guyana. *Ouratea boliviana* is an endemic species from Bolivia, near Chiquitos.

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