

Yogendra Bikram POUDEL^a, Bhaskar ADHIKARI^b, Lila Nath SHARMA^c and Sangeeta RAJBHANDARY^{a,*}: *Harpullia arborea* (*Sapindaceae*): A New Record of a Tree Species for the Flora of Nepal

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Summary: *Harpullia arborea* (Blanco) Radlk. (*Sapindaceae*) is reported for the first time in the area of the flora of Nepal. A detailed description with notes on ecology, distribution and colour photograph are provided.

The genus *Harpullia* Roxb. (*Sapindaceae*) comprises 26 species (Leenhouts and Vente 1982, Stevens 2001, Mabberley 2017), and belongs to the subfamily *Dodoneoideae*. Most of the species are mainly distributed in the eastern part of the Malay Archipelago and the West Pacific with many endemic species in New Guinea (Buijsen et al. 2003).

This study is based on field studies of wild populations of *Harpullia arborea* (Blanco) Radlk. in Jalthal forest (a remnant moist tropical forest) of eastern Nepal in 2020 and herbarium studied at KATH, TUCH and E. All the specimens collected during the field works were deposited at TUCH and KATH.

Harpullia arborea (Blanco) Radlk. in Sitzungsber. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. München 16(3): 404 (1887). – *Ptelea arborea* Blanco, Fl. Filip.: 63 (1837).

[Fig. 1]

Medium-sized trees, 10–15 m tall, dioecious. Leaves spiral, clustered near apex of twigs, with petioles 8–10 cm, stellate pubescent, paripinnate or imparipinnate, exstipulate, often with 4–5(–6) leaflets on

each side of rachis; rachis 14–25 cm, stellate pubescent; leaflets opposite, sub-opposite or alternate, elliptic or sometimes lanceolate, 6–21 × 3.5–8.5 cm, base oblique or rounded, apex acuminate, margin entire or subentire, both surfaces pubescent, especially on veins, secondary veins 9–14 on each side of midrib; petiolules 4–8 mm, stellate pubescent. Inflorescences axillary, ramiform, drooping, shorter than leaves, peduncle and rachis stellate pubescent. Male flower pedicillate; pedicel 7–13 mm long, 2–2.5 cm long in fruit, stellate pubescent, hairs yellow; sepals 5, free, subequal, obovate, ca. 8 × 5 mm, apex rounded, both surfaces pubescent, greenish-yellow; petals 5, free, equal, oblanceolate, base distinctly clawed, claw ca. 5 mm long, pubescent, limb ca. 10 mm, abaxial surface glabrous, adaxial surface sparsely pubescent, with 2 auricles at base, greenish-yellow; stamens 5, equal, filaments ca. 13 mm long, glabrous, greenish-yellow or light yellow; anthers basifixed, ca. 2 mm, yellow or orange. Disk pubescent. Fruits orange, inflated, 2.5–3 × 3.5–3.9 cm, chartaceous, 2-loculed, with a pubescent pointed style remnant, locules ellipsoid, grooved between locules, wall prominently veined, pubescent mainly at base, apex and groove, hairs stellate. Seeds 2 per locule, ellipsoid, black, smooth, ca. 18 × 13 mm, often with orange aril at base.

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References

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Y.B.Poudel^a, B.Adhikari^b, L.N.Sharma^c, S.Rajbhandary^a: ネパール新産の木本植物, *Harpullia arborea* (ムクロジ科)

ムクロジ科の *Harpullia arborea* (Blanco) Radlk. はインド, 東南アジアからオーストラリアに広く分布するが, 本種をネパールから初めて報告した. 産地はネパール東部で, そこから得られた標本に基づいて詳細な記載を行うとともにカラー図版を付した.

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