

Goniophlebium subauriculatum

Family:

Polypodiaceae

Botanical name

Goniophlebium subauriculatum (Blume) C.Presl

Link to Australian Plant Name Index for publication details and synonyms:

<https://id.biodiversity.org.au/name/apni/85267>

Description

Rhizome long-creeping, chalky white; Scales clathrate, ±deciduous, reddish brown, 2–6 mm long, 0.5–1.6 mm wide; base broad, rounded, tapering to a long narrow hair-like apex; margins with short fine rigid teeth. Fronds monomorphic, 10–120 cm long. Stipes 5–63 cm long, distant, articulated to short phyllopodia, scaly at base; scales as for rhizome but usually longer, narrower. Lamina 1-pinnate, becoming pendulous. Pinnae very narrowly ovate to linear, c. 1–2.5 cm apart, articulated to rachis, 0.3–25 cm long, 0.25–2 cm wide, sessile; base truncate, cordate or very broadly cuneate, often slightly lobed on 1 or both sides, tapering to an acute apex; margins shallowly and bluntly dentate, thin, firm, clothed with soft pale hairs when young, glabrescent apart from small scattered scales on main rachis and on lower surface of costae. Veins usually forming 2 series of areoles between costa and margin; outer series mostly without free included veinlets. Sori solitary in each of the innermost areoles, not ringed by dark scale-like paraphyses; sporangia immersed in shallow depressions. Spores 32.5–52.5 µm long, 17.5–25 µm wide.

Distribution

Iron Range to Eungella NE QLD. Also in Malaysia.

Habit and habitat

An epiphyte or lithophyte, often from other epiphytes in low to upper montane vine forest and wet-sclerophyll forest.

Cultivation

Best cultivated in a hanging basket of coarse material or in a nest-fern in a tropical garden or fernery. This species may become invasive in moist fernery situations.

Similar species

Similar to *Goniophlebium percussum*.

1a. Pinna margins entire, pinna bases cuneate and not auriculate, rhizomes green = *Goniophlebium percussum*

1b. Pinna margins toothed-crenate, pinna bases truncate with an auricle, rhizomes chalky white = *Goniophlebium subauriculatum*

Citation of Australian Tropical Ferns and Lycophytes

Field AR, Quinn CJ, Zich FA (2022) Australian Tropical Ferns and Lycophytes. apps.lucidcentral.org/fern/text/intro/index.htm (accessed online INSERT DATE).

Field AR, Quinn CJ, Zich FA (2022) '*Platyserium superbum*', in Australian Tropical Ferns and Lycophytes. apps.lucidcentral.org/fern/text/entities/platyserium_superbum.htm (accessed online INSERT DATE).



Close up of frond showing sori.

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Close up of frond showing sori.

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