

## *Doryopteris concolor*

### Family:

Pteridaceae

### Botanical name

*Doryopteris concolor* (Langsd. & Fisch.) Kuhn

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

<https://id.biodiversity.org.au/name/apni/177913>

### Common name:

Resurrection Fern

### Description

Rhizome short-creeping; scales narrowly triangular, to c. 3 mm long, with a brown central stripe and pale ±entire margins, sometimes irregularly toothed towards the base; apex long-attenuate. Fronds ±monomorphic. Stipes crowded; upper part blackish brown, glossy, glabrous apart from scattered scales similar to those on rhizome, sometimes with a few short brown hairs; upper surface shallowly grooved; angles between upper surface and sides narrowly winged, becoming cylindrical towards base. Lamina tripartite, 2–3-pinnatifid, broadly triangular, often with spreading basal lobes, 3–9 cm long and wide, c. half the length of the stipe, thinly coriaceous; lamina segments lobed on both margins except for a few apical ones; basal lobes on basisopic side of the base of lamina well-developed; upper segments decurrent on primary rachis. Rachis with scattered scales; upper surface of rachis and costae blackish brown, glossy; minor veins free, forked, not visible to the eye. Sori continuous along the margin except near lobe apices and in sinuses; indusium membranous, linear, ±continuous. Spores with smooth exospore and rugulose perispore.

### Distribution

Widespread in coastal QLD, NT and north-west WA and on offshore continental islands. Also Pan-tropical.

### Habit and habitat

Terrestrial or lithophytic (often on but not restricted to limestone), in seasonally xeric vine forest where it is common in rocky areas in the ground layer in areas protected from fire. It grows in mesic vine forest in rocky areas where the canopy is broken and occasionally in rocky areas in open forest or woodland.

### Natural history

This fern is often called a 'resurrection fern'. In the dry season when it is desiccated the lamina rolls upwards and becomes hard and leathery and when rehydrated at the beginning of the wet season it spreads to its original shape. This species is an attractive ornamental fern.

### Cultivation

Readily cultivated in a small pot or in the ground or on rocks in a tropical or subtropical garden or fernery.

### Similar species

Similar to *Calciphlopterys ludens*.

1a. Fronds dimorphic, veins anastomosing = *Calciphlopterys ludens*

2a. Fronds monomorphic, veins not anastomosing = *Doryopteris concolor*

### 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](https://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](https://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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Frond. © G. Sankowsky



Habit. © G. Sankowsky



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