

Phacopsis oxyspora

SYNONYMS

Abrothallus oxysporus, Nesolechia oxyspora

FAMILY

Lecanoraceae

AUTHORITY

Phacopsis oxyspora (Tul.) Triebel & Rambold

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Crustose

CURRENT CONSERVATION STATUS

2018 | Data Deficient | Qualifiers: SO

BRIEF DESCRIPTION

Characterised by the lichenicolous habit; the colourless to pale-brownish hypothecium; and the ellipsoidal to citriform ascospores without attenuated apices, (13–)16–18(–21) × (5–)5.5–6.5(–7) µm.

DISTRIBUTION

South Island: Otago (Wye Valley, Dunedin). Recently collected on the Port Hills, Christchurch (Glenny 2021). Collected in 1861 by William Lauder Lindsay from *Parmelia saxatilis* in the Dunedin area. Re-collected by Barbara Polly (1996) from *Austroparmelina labrosa* in the Wye Valley.

Known also from Great Britain, Europe, Scandinavia, Canary Islands, Cape Verde Islands, Asia, Greenland, North America, Colombia, Venezuela, Chile, Argentina, Uruguay, Kenya, China and Australia.

HABITAT

Grows on other lichens. Recorded hosts: *Parmelia saxatilis*, *Austroparmelina labrosa*. Probably widespread on species of Parmeliaceae s. lat.

DETAILED DESCRIPTION

Lichenicolous, growing on thalli of *Parmelia saxatilis*, *Austroparmelina labrosa*, cecidogenous. **Apothecia** immersed to semi-immersed, becoming erumpent, 0.2–0.3(–0.45) mm diam., rounded, crowded or confluent; disc plane to convex, brown to dark-brown, matt to shining; margins indistinct. **Exciple** 10–30(–40) µm thick, pale-brown to hyaline of ±isodiametric cells. **Hypothecium** hyaline to pale-brownish 30–120 µm thick, l+ violet at base. **Hymenium** hyaline to pale-brownish 55–65 µm tall. **Paraphyses** septate, 2–3 µm thick, apical cells slightly swollen with pale-brown to brown caps. **Asci** 45–55 × 14–19 µm. **Ascospores** ellipsoidal to citriform, ends attenuate, oil droplets present, spore walls smooth, (13–)16–18(–21) × 5–6.5(–7) µm. **Pycnidia** globose, immersed. **Conidia** 5.5–6 × 0.5–1 µm.

SUBSTRATE

Lichenicolous (grows on other lichens)

ATTRIBUTION

Fact sheet prepared by Melissa Hutchison (18 July 2023). Brief description, Distribution, Habitat, and Features sections copied from Galloway (2007).



REFERENCES AND FURTHER READING

Galloway D.J. 2007: *Flora of New Zealand: Lichens, including lichen-forming and lichenicolous fungi*. 2nd edition. Lincoln, Manaaki Whenua Press. 2261 pp.

Glenny D. 2021: iNaturalist observation. <https://inaturalist.nz/observations/110121833>. Date accessed: 18 July 2023.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/phacopsis-oxyspora/>