

Flavoplaca citrina

SYNONYMS

Verrucaria citrina Hoffm., Caloplaca citrina (Hoffm.) Th.Fr.

FAMILY

Teloschistaceae

AUTHORITY

Flavoplaca citrina (Hoffm.) Arup, Søchting & Frödén

FLORA CATEGORY

Lichen – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

STRUCTURAL CLASS

Lichens - Crustose

CURRENT CONSERVATION STATUS

2018 | Not Threatened | Qualifiers: SO

DISTRIBUTION

North Island: South Auckland (Coromandel Peninsula, Te Aroha), Taranaki (Waitara). **South Island:** Canterbury (Weka Pass, East of Tekapo, Dashing Rocks, Timaru), Otago (Miller's Flat Cemetery, The Nuggets), Southland (Sharks Tooth near Forest Hill).

A widespread species in the Northern Hemisphere from the Arctic to the Mediterranean and North Africa, Israel, Ukraine, India, Asia, North America and Hawai'i. In the Southern Hemisphere it is known from Chile, Argentina, Australia and Antarctica.

HABITAT

Throughout, on concrete posts, paths and walls (it is an early coloniser of concrete paving stones, often with *Candelariella vitellina*, *Lecanora dispersa* and *Sarcogyne regularis*), and on asbestos-cement cladding on walls and roofs, often forming extensive swards on these latter steeply sloping to vertical substrata; also on limestone and basic sandstone outcrops, occasionally on old leather (abandoned on dry inland soils), clay banks and on seashore rocks. In the Northern Hemisphere it is common on exposed calcareous and non-calcareous rocks (both coastal and inland), on concrete, soil, decorticated wood, lignum, dust-impregnated bark and occasionally over bryophytes.

DETAILED DESCRIPTION

Thallus crustose, effuse, coarsely granular-sorediate in a \pm diffract-areolate crust, or \pm thinly scattered, yellow to pale lemon yellow or green-yellow, K+ purple, saxicolous. **Apothecia** rather rare, 0.2-0.6 mm diam., disc plane, matt, orange, thalline margin granular, concolorous with thallus, occluded with age. **Ascospores** biseriolate, ellipsoid with rounded ends, straight, 10-15 \times 4.5-8 μ m, septum c. $\frac{1}{3}$ length of spore.

Chemistry: Soredia K+ violet-red; containing emodin, parietin, fallacinol, fallacinal, xanthorin and erythroglaucin.

SIMILAR TAXA

It seems likely that *C. citrina* as currently circumscribed comprises several distinct species and taxa of lower ranks.

SUBSTRATE

Saxicolous, lignicolous, muscicolous, artificial substrates (concrete)

ATTRIBUTION

Fact sheet prepared by Marley Ford (12 February 2021). Brief description, Distribution, Habitat, and Features sections copied from Galloway (1985) & Galloway (2007).



REFERENCES AND FURTHER READING

- Galloway D.J. 1985: *Flora of New Zealand: Lichens*. Wellington: PD Hasselberg, Government Printer. 662 pp.
- Galloway D.J. 2007: *Flora of New Zealand: Lichens, including lichen-forming and lichenicolous fungi*. 2nd edition. Lincoln, Manaaki Whenua Press. 2261 pp.

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/flavoplaca-citrina/>