SHORT COMMUNICATION

ADDITIONS TO THE LICHEN FLORA FOUND ON Cryptomeria japonica D. Don IN THE AZORES

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Twenty-nine lichen species were reported in samples from Azorean Cryptomeria japonica forests. One species, Ramalina peruviana Ach., is newly recorded for the Macaronesian Region. On Cryptomeria japonica, seven new lichen records were found for the Azores: Parmotrema bangii (Vain.) Hale, Pyrospora quernea (Dickson) Körber, Pyxine subcinerea Stir., Ramalina implectens Nyl., Ramalina peruviana Ach., Usnea dasaea Stirton and Usnea esperantiana P. Clerc. The species Ramalina peruviana Ach., is rare within the Macaronesian Region.

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INTRODUCTION

This communication is based primarily on specimens collected by the authors in the Azores islands during biomonitoring work carried out in 2002-2003. The collections were made in Pico, Santa Maria, São Jorge, São Miguel and Terceira islands.

The intent of this work is to provide users with the geographical distribution of lichens on Azorean Cryptomeria japonica and add some new records to the Azorean lichens checklist of Hafellner (1995).

The team of Professor A. Aptroot from the Centraalbureau voor Schimmelcultures, Royal Netherlands Academy of Arts and Sciences Utrecht, The Netherlands, identified the lichens collected in the spring of 2002 and 2003.

RESULTS

Cladonia coniocraea (Flörke) Spreng. was observed on Santa Maria, São Miguel, Terceira, São Jorge and Pico Islands. The species grows at the base of trees or on fallen trunks in sheltered to shady sites. It was often found close to the ground, among bryophytes or in small crevices.

Chrysothrix canederi (L.) J.R. Laundon, gold dust lichen, was observed on Terceira and São Miguel.
**Flavoparmelia caperata** (L.) Hale was found at São Miguel and a single locality on Terceira. A specific microclimate, with high humidity, seems to be an important factor for the establishment of this species in the Azores.

**Graphis scripta** (L.) Arch. growing in a shady place on smooth bark, São Miguel.

**Heterodermia leucomelos** (L.) Poelt at 100 m near the coast on Pico.

**Hypotrachyna rockii** (Zahlbr.) Hale, at Câncelo do Cinzeiro, Pico Vermelho and Lagoa das Furnas on São Miguel.

**Parmelinopsis horrescens** (Taylor) Elix & Hale and *P. minarum* (Vainio) Elix & Hale on Pico and São Miguel Islands.

**Parmotrema bangii** (Vain.) Hale is widespread between 200-600 m on Pico, Santa Maria, São Jorge, São Miguel, and Terceira. New to the Azores.

**Parmotrema crinitum** (Ach.) M. Choisy, on Terceira and São Jorge.

**Parmotrema robustum** is widespread on Terceira, São Miguel and Pico (larger islands) and rare or absent on Santa Maria and São Jorge (smaller islands).

**Physcia adscendens** (Fr.) H. Olivier growing in small patches, without significant attachment to the substrate at Velas (low elevation site), São Jorge.

**Pyrospora quernea** (Dickson) Köber, on São Miguel and Pico. New to the Azores. **Physcia subcinernea** Stirt is also documented for the first time in the Azores from Pico.

**Ramalina canariensis** J. Steiner. Terceira and Santa Maria.

**Ramalina farinacea** L. (Arch.). Terceira and Santa Maria.

**Ramalina implectens** Nyl. Santa Maria, new to the Azores.

**Ramalina peruviana** Ach. São Jorge, new to the Azores and Macaronesian Region.

**Ramalina pusilla** Le Prévost ex Duby. Terceira.

**Ramalina subgeniculata** Nyl. Pico, São Jorge and Terceira.

**Rimelia reticulata** (Taylor) Hale & Fletcher. Terceira, São Jorge and Pico.

**Usnea cornuta** Köber. São Miguel.

**Usnea dasaea** Stirt. Terceira, new to the Azores.

**Usnea esperantiana** P. Clerc. Terceira, new to the Azores.


**Usnea rubicunda** Sirton. São Miguel.

**Usnea subfloridana** Stirt. Pico and São Jorge.

**Xanthoria parietina** (L.) Th. Fr. in Velas, São Jorge.

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REFERENCES


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