

**SOME LICHENICOLOUS FUNGI COLLECTED
DURING THE 20TH MEETING OF THE SOCIETÀ
LICHENOLOGICA ITALIANA IN SIENA**

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INTRODUCTION

The 20th meeting of the Società Lichenologica Italiana took place in Siena in September 2007. During the two days we heard a lot of interesting lectures on lichens, especially on biomonitoring, on metabolites in lichens and on ecological themes. There was also a poster session on the results of several working groups all over Italy. Other highlights were the visit in the museum of the Nobile Contrada dell'Aquila, an outdoor-supper in the medieval center of Siena, the buffet in the Botanical garden and the dinner on Thursday evening. All was perfect, but unfortunately the planned excursion on Saturday could not take place.

So I was very grateful to Tommaso Pisani, who offered me a visit to the Montagnola Senese on Saturday morning. In the mixed coppice forest around the Romitorio near Ancaiano we saw several interesting lichens; I was astonished to see oceanic elements like *Lobaria pulmonaria* and *Normandina pulchella* under such hot and dry conditions, but perhaps this is due to my septentrionalic view.

The lichenicolous fungi found during this excursion are listed below. In the list included are some records of the short trips to the outskirts of Siena between Belvedere and Tognazza and to the Botanical Garden of Siena, which I did in the afternoons of Thursday and Friday. The lichen flora of Italy is one of the best investigated in the world, but records of lichenicolous fungi are rare and extremely scattered. So please don't mention if my listings of Italian records are incomplete. All specimens are kept in the private herbarium of the author (hb IVL).

RESULTS

To my knowledge until now none of the following species has been recorded for the Toscana.

All specimens: Italy, Toscana, Provincia di Siena, leg. et det. Wolfgang von Brackel (if not indicated otherwise).

Arthonia molendoi (Heufl. ex Frauenfeld) R. Sant.

Siena, between Belvedere and Tognazza, on a sandy hill on the bark of *Fraxinus ornus*, on *Xanthoria parietina*, 335 m, 43°20'34,6"N, 11°18'14,3"E, 14.09.2007 (hb IVL 4285).

Arthonia molendoi is widely distributed in Europe and North America, and there are also reports from Asia, New Zealand and the Antarctic. In Italy until now it is known from the Abruzzi (NIMIS & TRETJACH, 1999) and from Sicilia (BRACKEL, 2008). It grows on the thallus and apothecia of *Caloplaca* and *Xanthoria* species.

Cladosporium licheniphilum Heuchert & U. Braun

Siena, between Belvedere and Tognazza, on a sandy hill on the bark of *Fraxinus ornus*, on *Xanthoria parietina*, 335 m, 43°20'34,6"N, 11°18'14,3"E, 14.09.2007, leg. W. v. Brackel, det. B. Heuchert (hb IVL 4281).

This hyphomycete has recently been described from Russia (HEUCHERT & BRAUN, 2006), and it was found also in Germany (BRACKEL, 2007). This is the first record for Italy.

Dactylospora lobariella (Nyl.) Hafellner

Montagnola Senese, Romitorio N Ancaiano, coppice forest of oaks, on the bark of *Quercus ilex*, on *Lobaria pulmonaria*, 440 m, 43°18'21,3"N, 11°12'13,4"E, 15.09.2007 (hb IVL 4261).

Dactylospora lobariella is worldwide distributed but rarely reported. I know only one further record from Italy (not published): Friuli-Venezia Giulia, forest on boulder scree above the Laghi di Fusine, on the bark of *Acer pseudoplatanus*, on *Lobaria pulmonaria*, 01.08.2003, leg./det. R. Cezanne and M. Eichler (hb C-E 6553).

Lichenocodium erodens M.S. Christ. & D. Hawksw.

Montagnola Senese, Romitorio N Ancaiano, coppice forest of oaks, on the bark of *Quercus ilex*, on *Hypogymnia physodes*, 450 m, 43°18'21,3"N, 11°12'13,4"E, 15.09.2007 (hb IVL in the specimen of *Trichonectria anisospora*, 4262); same locality, on *Flavoparmelia caperata*, 290 m, 43°18'13,8"N, 11°12'11,2"E, 15.09.2007 (hb IVL 4279); same locality, on *Evernia prunastri*, 290 m, 43°18'13,8"N, 11°12'11,2"E, 15.09.2007 (hb IVL 4280); Siena, Botanical Garden, on the bark of *Prunus avium*, on *Flavoparmelia caperata*, 330 m, 43°18'46,6"N, 11°19'48,0"E, 13.09.2007.

This worldwide distributed and very common coelomycete is growing on several different species of lichens.

Marchandiomyces aurantiacus (Lasch) Diederich & Etayo

Siena, between Belvedere and Tognazza, on a sandy hill on the bark of *Fraxinus ornus*, on *Xanthoria parietina*, 335 m, 43°20'34,6"N, 11°18'14,3"E, 14.09.2007 (hb IVL 4282); Siena, Botanical Garden, on the bark of *Prunus avium*, on *Physcia tenella*, 330 m, 43°18'46,6"N, 11°19'48,0"E, 13.09.2007 (hb IVL 4287).

This anamorph basidiomycete, growing on Physciaceae and on *Xanthoria*, is known from several European countries. I have seen it in Sicilia (not yet published).

Phoma ficuzzae Brackel

Siena, between Belvedere and Tognazza, on a sandy hill on the bark of *Fraxinus ornus*, on *Ramalina fastigiata*, 335 m, 43°20'34,6"N, 11°18'14,3"E, 14.09.2007 (hb IVL 4286).

This recently described species, confined to the host *Ramalina*, was known until now only from Sicilia (BRACKEL, 2008).

Polycoccum slaptoniense D. Hawksw.

Siena, between Belvedere and Tognazza, on a sandy hill on the bark of *Fraxinus ornus*, on *Xanthoria parietina*, 335 m, 43°20'34,6"N, 11°18'14,3"E, 14.09.2007 (hb IVL 4283).

New for Southern Europe, third record worldwide. Until now it was found only at the type locality in England (HAWKSWORTH, 1994) and in Germany (KOCOURKOVÁ & BRACKEL, 2005).

Trichonectria anisospora (Lowen) P.Boom & Diederich

Montagnola Senese, Romitorio N Ancaiano, coppice forest of oaks, on the bark of *Quercus ilex*, on *Hypogymnia physodes*, 450 m, 43°18'21,3"N, 11°12'13,4"E, 15.09.2007 (hb IVL 4262).

Trichonectria anisospora is confined to the genus *Hypogymnia*. It is known from several European countries and from Northern America. Especially in and around the Alps it is not rare; in Italy it was reported from Trentino-Alto Adige (BRACKEL, 2006).

Vouauxiomyces truncatus (de Lesd.) Dyko & D. Hawksw.

Montagnola Senese, Romitorio N Ancaiano, coppice forest of oaks, on the bark of *Quercus ilex*, on *Flavoparmelia caperata*, 290 m, 43°18'13,8"N, 11°12'11,2"E, 15.09.2007 (hb IVL 4278).

This coelomycete, growing on species of *Parmelia* s. l., is known from some countries in Northern, Western and Central Europe.

Xanthoriicola physciae (Kalchbr.) D. Hawksw.

Siena, between Belvedere and Tognazza, on a sandy hill on the bark of *Fraxinus ornus*, on *Xanthoria parietina*, 335 m, 43°20'34,6"N, 11°18'14,3"E, 14.09.2007 (hb IVL 4284).

This hyphomycete is confined to the genus *Xanthoria*, where it begins to grow on the apothecia and spreads over the thallus. In Italy it was known from Basilicata (NIMIS & TRETACH, 1999) and from Sicilia (NIMIS *et al.*, 1994).

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LITERATURE

- BRACKEL W.V., 2006 - Zur Verbreitung von *Trichonectria anisospora* (Lowen) P. Boom & Diederich. *Meylania*, 37: 5–7.
- BRACKEL W.V. 2007 - Weitere Funde von flechtenbewohnenden Pilzen in Bayern - Beitrag zu einer Checkliste III. *Ber. Bayer. Bot. Ges.*, 77: 5–26.
- BRACKEL W.V., 2008 - *Phoma ficuzzae* sp. nov. and some other lichenicolous fungi from Sicily, Italy. *Sauteria*, 15: 103–120.
- HAWKSWORTH D.L., 1994 - Notes on British lichenicolous fungi: VII. *Lichenologist*, 26: 337–347.
- HEUCHERT B. & BRAUN U., 2006 - On some dematiaceous lichenicolous hyphomycetes. *Herzogia*, 19: 11–21.
- KOCOURKOVÁ J. & BRACKEL W.V., 2005 - Einige für Bayern neue Flechtenbewohnende Pilze - Beitrag zu einer Checkliste I. - *Ber. Bayer. Bot. Ges.*, 75: 3–10.
- NIMIS P.L. & TRETACH M., 1999 - Itinera Adriatica - Lichens from the eastern part of the Italian peninsula. *Stud. Geobot.*, 18: 51–106.
- NIMIS P.L., POELT J., TRETACH M., OTTONELLO D., PUNTILLO D. & VĚZDA A., 1994 - Contribution to lichen floristics in Italy VII - The lichens of Marettimo (Egadi Islands, Sicily). *Bull. Soc. Linn. Provence*, 45: 247–262.