

Gerhard Bedlan

## ***Asteromella forsythiae* sp. nov., a new fungus on *Forsythia* sp.**

*Asteromella forsythiae* sp. nov.,  
ein neuer Pilz  
an *Forsythia* sp.

### Abstract

*Asteromella forsythiae* sp. nov. is a new pathogenic fungus collected on *Forsythia* sp.. Symptoms on host and fungus are described.

**Key words:** *Asteromella forsythiae* sp. nov., *Forsythia* sp., symptoms

### Zusammenfassung

*Asteromella forsythiae* sp. nov., ist ein neuer phytopathogener Pilz an *Forsythia* sp. Symptome an Wirtspflanze und sowie der Pilz werden beschrieben.

**Stichwörter:** *Asteromella forsythiae* sp. nov., *Forsythia* sp., Symptome

### Introduction

Within a project about biodiversity in allotment gardens of Vienna a new species of the genus *Asteromella* was found on *Forsythia* sp. in an allotment in the western part of Vienna near the so called Wienerwald in October 2016, which caused brown leaf spots on its host.

Up to now no species of the genus *Asteromella* is known on *Forsythia* sp.

### Methods

For the determination of the fungus the usual mycological routine methods of light microscopy were adopted. Conidia of the fungus were stained with Wittmann's Blue (WITTMANN, 1970). They have been measured using the programme labSens by Olympus.

### Results

*Asteromella forsythiae* BEDLAN sp. nov.

Index Fungorum IF554288

Pycnidia on both sides of the leaves, scattered on brown leaf-spots, black, semi-immersed, with a diameter of  $44.36 \times 91.44 \mu\text{m}$  (with an average of  $63.82 \mu\text{m}$ ) were detected (Fig. 1 and 2). The conidia are hyaline, cylindrical, rounded at the ends, bacilliform and are  $2.71\text{--}4.43 \times 0.45\text{--}1.01 \mu\text{m}$  (average of  $3.53 \times 0.66 \mu\text{m}$ ) in diameter (Fig. 3). The fungus was detected on living leaves of *Forsythia* sp.

Type: Austria, Vienna. On living leaves of *Forsythia* sp., 12 October 2016, Vienna (Kleingartenverein Hietzing und Umgebung, Gruppe Halterbachtal, Wolfersberggasse 45, 1140 Wien; N 48.209872, O 16.254887) leg. et det. G. BEDLAN (holotype, hb W).

The type specimen has been deposited at the department of Botany, Natural History Museum, Vienna (hb W).

### Institute

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### Accepted

14 December 2017



Fig. 1. Symptoms on leaves

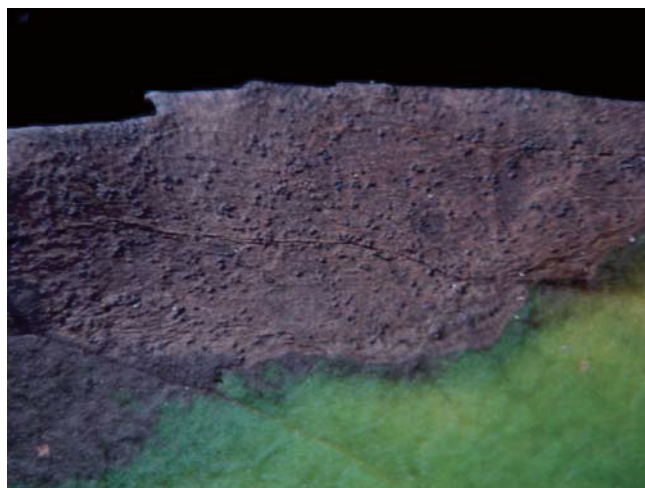


Fig. 2. Pyknidia on the upper side of a leaf

Etymology: The new species found on *Forsythia* sp. is named according to the host where it has been found.

### References

WITTMANN, W., 1970: Ein neues Rezept zur Herstellung mykologischer Präparate. Pflanzenschutzberichte 41 (5/6/7), 91-94.

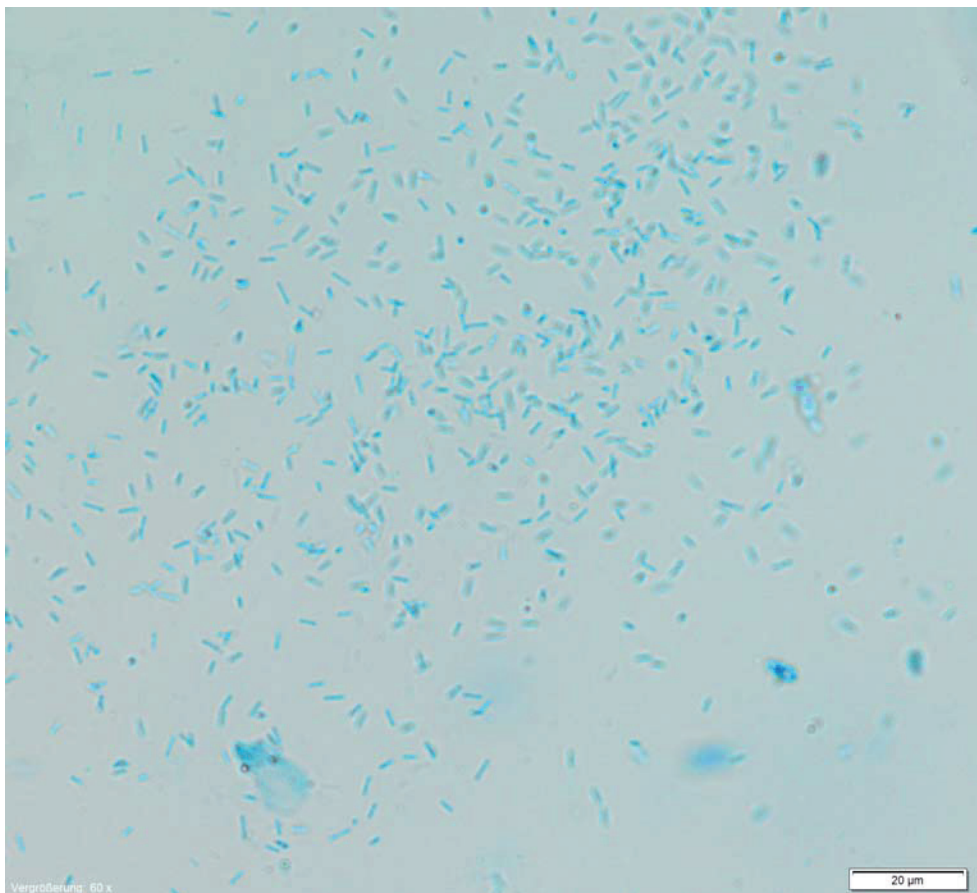


Fig. 3. Conidia, stained with Wittmann's Blue (WITTMANN, 1970)