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A NEW RECORD OF HUNGARIAN USTILAGINALES

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Microbotryum violaceo-verrucosum is reported as new to Hungary.

Key words: *Microbotryum violaceo-verrucosum*, Ustilaginales, anthericolous smuts

During revision of specimens of *Microbotryum* from BP (Microfungi Collection, Hungarian Natural History Museum, Budapest) an additional species to Hungarian anthericolous smuts was found, viz. *Microbotryum violaceo-verrucosum*.

Dimensions of ustilospores, measured in lactophenol (heated to boiling point, then cooled) by oil immersion, are given in the form

(smallest observed–) mean ± standard deviation (–largest observed),
n = 100 (DENCHEV 1993).

Microbotryum violaceo-verrucosum (Brandenb. et Schwinn) Vánky
Mycotaxon 33: 372. 1988. Type on *Silene italica* (L.) Pers., Italy (HUV).

Sori in the anthers powdery, dark purple, livid purple or livid vinaceous (according to RAYNER 1970). Ustilospores globose, subglobose, ovoid or broadly ellipsoidal, (5.5–) 6.2±0.5 (–7.5) × (5–) 5.5±0.4 (–6.5) µm; the exospore verruculose, the warts *c.* 0.3–0.5 µm high (Fig. 1).

Specimen examined: On *Silene bupleuroides* L. subsp. *bupleuroides* – Hungary, Mt Pismány-hegy, Szentendre near Budapest, alt. *c.* 150 m, 29.VII.1933, leg. A. Pénzes (as *Silene longiflora*), BP 2824.

The specimen was determined by G. Moesz as *Ustilago violacea* (Pers.) Fuckel. There is a label with Moesz's remark (measurements 5.5–6.6 µm) and a figure of reticulate spore. In fact the exospore is verruculose.

VÁNKY (1985) in his monograph, concerning smut fungi in the Carpathian area, including whole Hungary, treated *M. violaceo-verrucosum* (as *Ustilago violaceo-verrucosa*) as expecting species to this region. The present material was listed among the hosts of *U. violacea* (Pers. : Pers.) Roussel as a single specimen

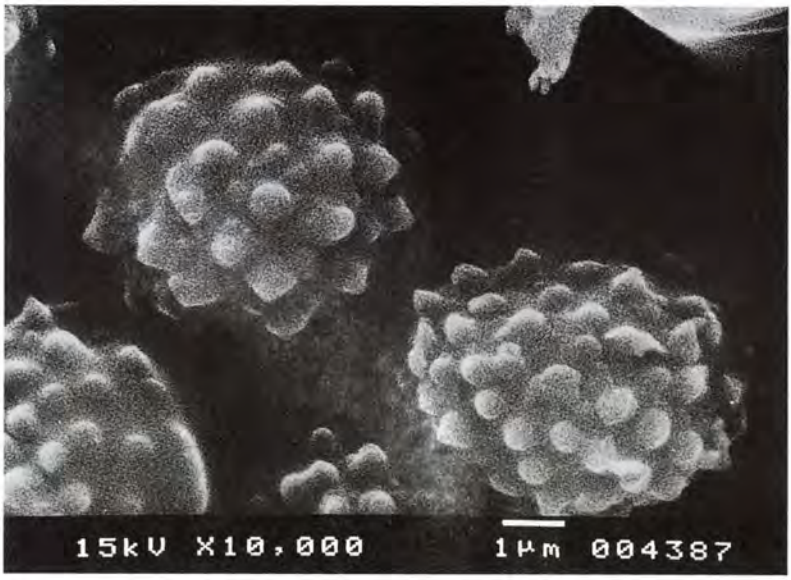


Fig. 1. Ustilospores of *Microbotryum violaceo-verrucosum* on *Silene bupleuroides* in SEM (Scale bar = 1 µm)

of *Silene bupleuroides* (VÁNKY, *l. c.*: 253). Consequently the last plant species is omitted as a host of *M. violaceum* from the Carpathian region.

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