

Known distribution of *Galerina tibiicystis* (Fungi, Basidiomycota) in Croatia

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INTRODUCTION

Galerina tibiicystis (G.F. Atk.) Kühner belongs to the family *Cortinariaceae*, order *Agaricales*, phylum *Basidiomycota*. It is typical fungal species for *Sphagnum* communities in bogs where lives as saprotroph (parasite?). This species has been found in North America, Europe and Japan. *G. tibiicystis* was found in Croatia for the first time in 1968. During intensive mycological field research of four sphagnum bogs in the year 2000, two new localities of this species had been discovered.

MATERIAL AND METHODS

During the year 2000, mycological field research of four sphagnum bogs in Croatia (Dubravica, Lepenica, Sungerski lug, Tršće) is conducted. All bogs are visited once a month from April to November. Collected material and data are deposited in Croatian National Fungarium (CNF). Basidiocarps are preserved by drying. In this research *G. tibiicystis* was the most common species with 69 records.

RESULTS AND DISCUSSION

Records:

Sphagnum bog "Dubravica", 2 km NE of village Dubravica in Hrvatsko zagorje area. UTM WL58; alt. 160 m.

- 15 September 1968, leg. M. Tortić, 1 record.
- 14 June 2000, leg. Z. Tkalčec & A. Mešić, 3 records.
- 26 August 2000, leg. Z. Tkalčec & A. Mešić, 4 records.
- 5 October 2000, leg. Z. Tkalčec & A. Mešić, 16 records.
- 6 November 2000, leg. Z. Tkalčec & A. Mešić, 4 records.

Sphagnum bog "Sungerski lug", NW of village Sunger, in Gorski kotar area. UTM VL81; alt. 780 m.

- 13 July 2000, leg. Z. Tkalčec & A. Mešić, 1 record.
- 24 August 2000, leg. Z. Tkalčec & A. Mešić, 5 records.

- 23 September 2000, leg. Z. Tkalčec & A. Mešić, 1 record.

Sphagnum bog "Tršće", 1.5 km N of village Tršće, in Gorski kotar area. UTM VL74; alt. 800 m.

- 31 July 2000, leg. Z. Tkalčec & A. Mešić, 3 records.
- 13 September 2000, leg. Z. Tkalčec & A. Mešić, 26 records.
- 21 October 2000, leg. Z. Tkalčec & A. Mešić, 6 records.

Galerina tibiicystis has been recorded in three localities in Croatia up to now. Known distribution of this species in Croatia is shown on the map with the UTM grid (10 X 10 km). In Croatia the species has been found in the period from June 14 to November 6, at altitudes from 160 to 800 m. All known habitats in Croatia are sphagnum bogs, where this species lives in dense *Sphagnum* moss, sometimes mixed with *Molinia caerulea* and other herbs or mosses. In Croatia bogs are very rare, small sized, and critically threatened habitats. Distribution of *Galerina tibiicystis* in Croatia correlates with distribution of sphagnum bogs where it is common species. We presume that the species exist on a few more sphagnum bogs in Croatia which are mycologically unexplored yet.

Fig. 1. Known distribution of *G. tibiicystis* in Croatia.

Fig. 2. *Galerina tibiicystis*, 31 July 2000, bog Tršće.

Fig. 3. *Galerina tibiicystis*, 13 September 2000, bog Tršće.

Fig. 4. Bog Tršće, 30 June 2000.