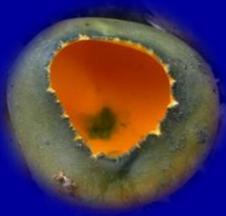


Fungi in Kosovo – the Preliminary Data of their Diversity and Ecology



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Project team:

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PROJECT OBJECTIVES

- Checklist of Kosovo fungi will be compiled based on collection of fungi species in diverse habitats and their identification.
- This will contribute to producing a List of rare fungi of Kosovo, important on European or global level. The List will be the source for preparation of legislative acts on fungi protection.
- Involving young people and students in the project activities.
- Creation of a National Collection of Fungi of Kosovo. Selected representative specimens will be donated to the Kosovo's National Museum, or interested academic institutions.
- Creation of a new database (FUNGI OF KOSOVO) accessible online with reference to all identified fungal species of Kosovo

RESEARCH METHODS



Mycological laboratory at the Institute of Biology in Skopje

Mycological Laboratory established in 2001, including:

- Mycological database MACFUNGI: >36,000 specimens
- Macedonian Collection of Fungi (MCF): >20,000 specimens



FUNGI MACEDONICI
ASCOMYCOTA
TUBER EXCAVATUM Vittad.

FUNGI MACEDONICI
ASCOMYCOTA
TUBER EXCAVATUM Vittad.
Sub. in soil, mycorrhizal
Ass. *Quercus pubescens*
Loc. Skopje (vicinity): next to the road to Nova Breznica vill., ca 500 after junction to Jabola vill. (N 41deg 55' 4,66"; E 21deg 20' 19,01") m a.s.l.
Date: 14.11.2009 Leg. Měj, Tine Grebenc, Todor Tokov, Saška Čavdarova
N° 09/11368 Det. Tine Grebenc
TUBEXC41209A



Mycological Research in Kosovo

Fungi in Kosovo have not been systematically studied and exists only single data:

- Lindtner's collection (1937) – 2 species (pub. Katanic, 2015)
- Milica Tortic (1975-1988) - poroid fungi: **12 species ?**
- Bruno Ing & Boris Ivancevic (1973) - slime molds: 5 species
- Zeqir Veselaj (unpublished data) - macromycetes: 104 species
- Strategy and Action Plan for Biodiversity of Kosovo (2011–2020): 12 commercial species
- Kosovo Biodiversity Assessment: 83 species (Germia Mt.)

Current situation

Types of fungi	Families	Taxa genera	Species
Ascomycota (without lichens)	10	13	16
Basidiomycota	46	126	202
Mixomycota	2	4	5
Total	43	143	223



- **Soft fruiting bodies** ≈ 120
- **Edible** ≈ 43
- **Comercial** 12
- **Poisonous** 7
- **Hypogeic** 4



EXPORTED MUSHROOM FROM KOSOVO

1. *Boletus edulis* - CEP, PORCINI
2. *Boletus aereus* - DARK CEP
3. *Boletus pinophilus* - PINE BOLETE
4. *Boletus aestivalis* - SUMMER CEP
5. *Amanita caesarea* - CAESAR'S MUSHROOM
6. *Cantharellus cibarius* - CHANTERELLE
7. *Hydnum repandum* - SWEET TOOTH
8. *Lactarius deliciosus* - SAFFRON MILK CAP
9. *Craterellus cornucopioides* - BLACK TRUMPET
10. *Morchella* spp. - MORELS
11. *Marasmius oreades* - FAIRY RING MUSHROOM
12. *Tuber aestivum* - SUMMER TRUFFLE

CONICAL MOREL - *Morchella conica* Pers.

BLACK MOREL - *Morchella elata* Fr.

COMMON MOREL - *Morchella esculenta* (L.) Pers.



Cantharellus cibarius - Chanterelle



Craterellus cornucopioides - **BLACK TRUMPET**



Hydnum repandum - **SWEET TOOTH**



Bolets



DARK CEP - *Boletus aereus* Bull.



Photo: Matthias Theiss

SUMMER CEP - *Boletus reticulatus* Schaeff.



Photo: Matthias Theiss

CAESAR'S MUSHROOM - *Amanita caesarea*



SAFFRON MILK CAP - *Lactarius deliciosus*



FAIRY RING MUSHROOM - *Marasmius oreades*



POISONOUS FUNGI IN KOSOVO (7)



1. *Amanita pantherina*
2. *Coprinus micaceus*
3. *Hebeloma sinapizans*
4. *Hygrocybe conica*
5. *Mycena pura*
6. *Psathyrella candoleana*
7. *Stropharia coronilla*

Amanita pantherina



Hypogeic fungi

Tuber borchii - whitish truffle
Tuber aestivum – summer truffle
Elaphomyces granulatus
Melanogaster tuberiformis





**Melanogaster
tuberiformis**



**Elaphomyces
granulatus**

Bianchetto (whitish) truffle - *Tuber borchii*



Tuber aestivum – Summer Truffle



RARE SPECIES IN KOSOVO



Helvella atra

Rare species, redlisted
in many EU countries
(MK, MT, BG)

Peziza succosa



Rare species, one locality

Microstoma protractum



Rare species, redlisted
in many EU countries

Thank you...

