

Project Update: September 2018

Field activities:

From the second half of July until the end of September 2018 we have organised numerous mycological field research and related activities.

Field research have been carried out in Nišići, Igman Mt., National park Una, National park Kozara, Masna Luka locality (within boundaries of Nature park Blidinje), Čvrsnica Mt., Prenj Mt., Nature Park Tajan, river Kruščica, etc.

For some localities registered species represents first records of ascomycetous fungi. These species definitely gives us more complete and valuable information about conservation arguments for some areas. Most important fungal species will be published in the final project book that should be printed at the beginning of 2019.

In the second week of August 2018 International Mycological Workshop was held. Mycologists from Croatia, Austria and Bosnia and Herzegovina participated.

More than 50 species of ascomycetes have been recorded during 3-day forays. Some of the recorded species represents very rare and endangered fungi and need to be properly protected and managed. A significant number of species have been registered for the first time in Bosnia and Herzegovina.

All important species will be presented in the final publication (book) at the end of the project activities. Adequate conservation direction and guidelines will be given for every species.

Promotional materials and leaflets have been distributed to some locals.

In September 2018 we have been investigating riparian vegetation and banks of river Kruščica. We have confirmed that this area represents quite significant territory for mycobiota in Bosnia and Herzegovina. It is characterised by high diversity of fungal species but also with the fact that it is only known habitat for some species so far. This is very important to emphasize especially if we considered that this river has already been discussed as potential hydropower plants station.

As a members of Mycological Society MycoBH we have been we participated in several forays and expedition in mentioned period:

- 8th International Biology Camp Una – Kozara;
- International Speleological Expedition Mijatovi dvori 2018;
- Exploring fungal diversity in Nature park Tajan/river tajašnica;

Filming two promo documentaries about importance of ascomycetous fungi with public broadcasting service – BHRT have been finished.

Scenes have been recorded on couple of different localities (virgin forest Perućica in

NP Sutjeska, virgin forest Ravna Vala – Igman Mt., Lisina Mt. and Olovo vicinity (river Orlja).

These two documentaries have been broadcasted on National Television on September 24th and October 1th within TV series called Nova avantura (New adventure).

Links for documentaries:

<http://www.bhrt.ba/bht1-emisije/nova-avantura/nova-avantura-01-10-2018-2/> - Part one
<http://www.bhrt.ba/bht1-emisije/nova-avantura/nova-avantura-24-09-2018-2/> - Part Two

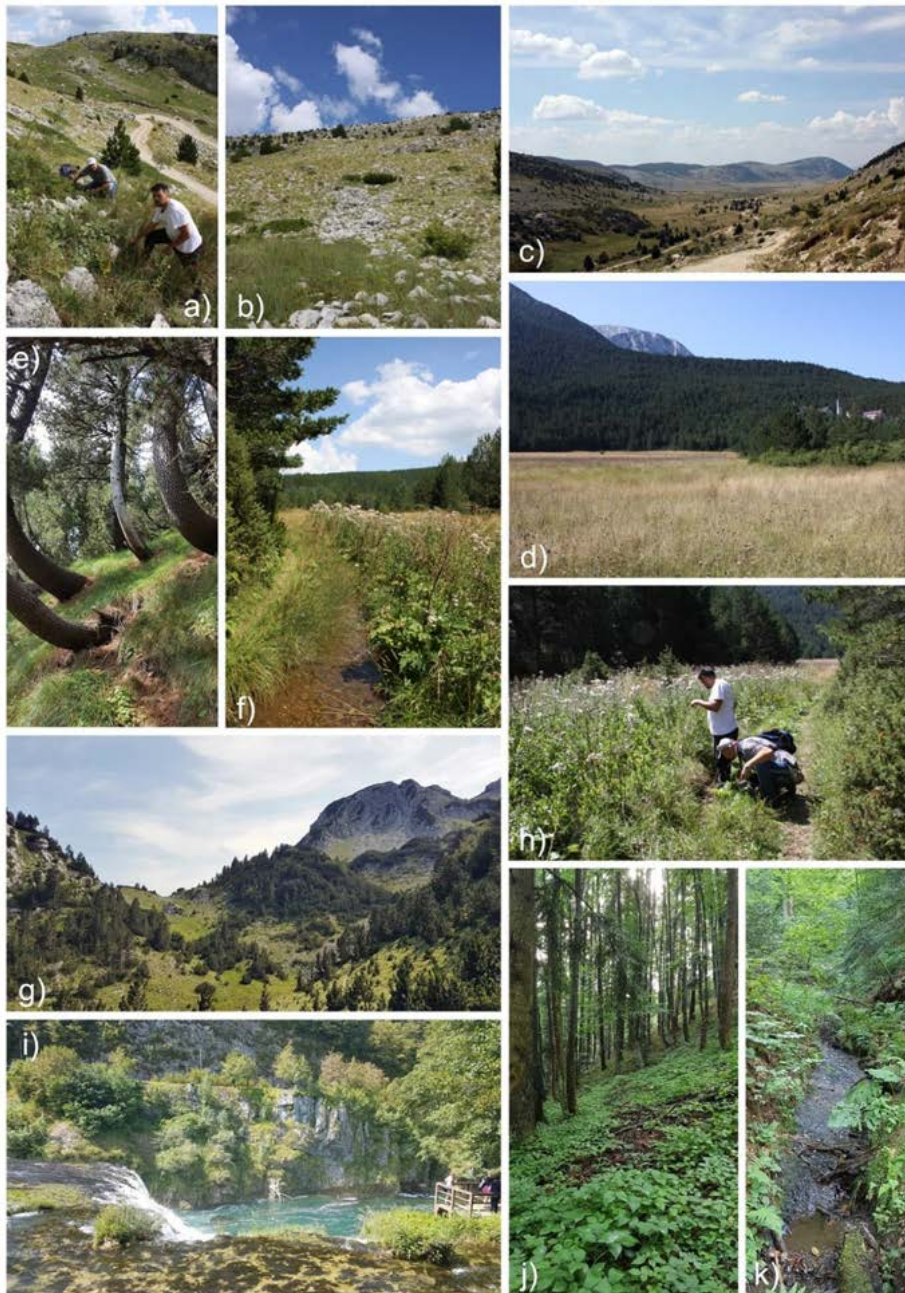


Figure 1. – a), b) Čvrsnica Mt., locality Bare – 1430m asl; c) Čvrsnica Mt., view towards Dugo polje in Nature park Blidinje; d) Masna Luka, Čvrsnica; e) *Pinus heldreichii* trees on Prenj Mt.; f), h) Stream Jasle, vicinity of Masna Luka; g) Locality Jezerce, Prenj Mt.; i) River Una, Martin Brod; j), k) Forest scenery from National park Kozara.



Figure 2. – **a)** *Crocicreas* sp., Masna Luka – Nature park Blidinje; **b)** *Rutstroemia echinophila*, NP Una, Martin Brod; **c)** *Thecotheus rivicola*, river Kruščica – Central Bosnia and Herzegovina; **d)** *Sowerbyella rhenana*, Nišići; **e)** *Leucoscypha semi-immersa*, Kruščica riverbank; **f)** *Helvella albella*, Masna Luka – Nature park Blidinje; **g)** *Lachnellula fuckelii* on *Pinus mugo* branches, Prenj Mt; **h)** *Octospora coccinea* and comparison with ant size; **i)** *Scutellinia cejpai*, Prenj Mt.



Figure 3. – **a)** *Scutellinia crinita*, virgin forest Ravna vala – Igman Mt.; **b)** *Peziza subisabellina*, Jelenjača - Visočica Mt.; **c)** *Leucoscypha patavina*, Visočica Mt.; **d)** *Parascutellinia violacea*, Rakitnica riverbank ; **e)** *Scutellinia setosa*, Jelenjača – Visočica Mt.; **f)** Aquatic ascomycetous fungi – *Vibrissea flavovirens*; **g)** *Peziza gerardii*, Visočica Mt.; **h)** Fully developed *Geopora cervina* ascoma; **i)** *Pachyella* sp., Javornik – Igman Mt.; **j)** *Scutellinia olivascens*, Jelenjača – Visočica Mt.; **k)** *Peziza varia*, Rakitnica sandy riverbank; **l)** *Geopyxis* sp., javornik – Igman Mt.



Figure 4. – a), e) Scenery from the virgin forest Ravna vala – Igman Mt.; c) Jelenjača, Visočica Mt.; b), h) Laboratory hours, Workshop Tušila – Visočica Mt; d) Mountain hut Tušila were mycological workshop have been organized, Visočica Mt.; f) Javornik, Igman Mt.; g) River Rakitnica, searching for ascomycetes in the willow shrubs.