

### Project Update: August 2013

During the last 2 months our team made eight individual field trips to mountain Ozren. We focused on investigation of local flora and vegetation from the base of the mountain to higher altitudes in order to determinate specific plant population abundance. This kind of research is very important for observation of anthropogenic impact on endangered, rare and endemic plant species.

Data about plant distribution and population abundance on vertical profile of the mountain can be useful for further analyses such as GIS mapping. During these field trips seed material was collected and stored in Laboratory for Research and Protection of Endemic Resources at Faculty of Natural Sciences and Mathematics. We also expanded our photo-documentation base.



Left: Pjeskovita ravan, noticeable anthropogenic impact. Right: Bukovik (1524 m of altitude; Fihure above), area for some typical alpine plants like *Myosotis alpestris* F.W. Schmidt, syn. *M. sylvatica* subsp. *alpestris* (F.W. Schmidt) Gams.

It is interesting to note that locality Pjeskovita ravan is one of important endemic *Lilium bosniacum* Beck ex Fritsch and *Lilium martagon* L. habitats on mountain Ozren.



Uževica Locality is characterised by rich hygrophilous floral elements. Anthropogenic impact is mainly seen through deforestation. This particular area is important as a habitat for many orchid species.

Our team also investigated specific rocky habitats of mountain Ozren. These areas are arid, characterised by higher temperatures and significantly higher insolation.

In this locality we also recorded for the first time, according to available literature data, species *Cotoneaster integerrima* Med. Such information is very valuable for the update of existing literature and identification of present species locations since a lot of the areas are covered with minefields and cannot be investigated. Due to such situation a lot of the natural habitats are unavailable and such findings of new localities are precious for the Bosnian and Herzegovina flora data.



*Cotoneaster integerrima* Med.

All data are summarised and further seed collection is planned for September and October 2013.