



ORTHOTRICHUM, ULOTA & ZYGODON IN THE CENTRAL EUROPE -
THEIR CHOROLOGY, ECOLOGY AND CONSERVATION PROBLEMS.



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Abstract of the lecture

In the Central Europe, the epiphytic bryophytes started to be rare and threatened from 1950's in the respect of air pollution. Since 1990 the air quality was improved there and that is why the epiphytic mosses have been recolonizing the former habitats. The fact was confirmed during the field researches carried out in the Western Carpathians and Sudetes mountain ranges by authors.

The surveys were focused on the studying of distribution as well as ecological requirements of the epiphytic species. All recorded populations of the species were located by GPS and moreover their ecological data were noted (e.g. type of a habitat, tree species, height-position at the trunk, size of moss cover, exposition, inclination of substrate, moisture, shadow, fertility).

The known literature data were gathered too. For better summarizing of the information the database in MS Access was made up (*see thereafter for the figure*). Data analyzing and their evaluation can help us to understand basic ecological requirements of the studied bryophytes.

In addition these data will be very useful for creating conservation-manage.



Fig. 1: View on database using for data gathering

Species:

Species	Gemmae	Sporogones	Size	Main
▶ Orthotrichum stramineum Hornsch. ex Brid.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>
Pseudoleskeella nervosa (Brid.) Nyholm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0	<input type="checkbox"/>
*	<input type="checkbox"/>	<input type="checkbox"/>	0	<input type="checkbox"/>

Záznam: 1 2 z 2

Coll.: Plášek V. Teste

Det.: Plášek V.

Date: 9.12.2006

Date of entry: 12.12.2006

Herbarium: OP

NrSpecimen:

Country: Czech Republic Province: Silesia Land Unit: Moravskoslezské Beskydy Mts.

Locality: 380 m ENE of Bumbálka border settlement, Salajka reserve

Altitude: 800 GPS System: WGS 84 N: 492405 E: 182450 Grid: 6576c

Habitat: bark of tree Position: trunk

Habitat Specification: Fagus sylvatica

Height: 50-200 Inclination: ver Exposition: WSW

Remarks:

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