

## **Utilizing of data of spider occurrence in Slovakia in the field of landscape ecology**

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At present, together with development of landscape ecological planning the need to speed up the obtaining of data of single nature components comes over. The data should serve as a basis for optimal use of the landscape, for the evaluation of the stage and the biological value of the territory. The different bioindicating groups of plants and animals are used, spiders included. The aim of our work is to collect and synthetize using computers all available data on spiders from the Slovak territory and use them in landscape ecological planning. The work on this project started in 1991 and the majority of the data have been elaborated already. The databases of the findings are divided into three parts: (1) Database of the Dr Gajdoš's own findings, (2) database of literature data together with those unpublished ones from other authors, (3) datebase of data on spiders from bird's and small mammals's nests, and birds food (in territory of Slovakia). About 40-thousand records on findings were obtained, they contain findings from more than a thousand localities from Slovakia. The findings row contains 64 fields, with all taxonomic data on species, locality, biotops, the collector, data on material deposition, ecological claims of the particular species, its occurrence in Slovak and Czech territory, its position in the red list of endangered species etc.

The Fox Pro program is used for computer processing. For single localities the geographical coordinates are given, they enables mapping using the Geographical information system (GIS).

The databasis obtained, besides to be used in landscape ecological planning, will serve for scientific purposes, for example as a fundament for understanding of the ecological claims of the certain species, zoogeographical spreading of the individual species, for evaluation of the spider communities and of their changes etc.