

## **Abstract**

This work deals with vertebrates bone preparation of birds and mammals to enrich the science classes at secondary school. It also expands the collection of vertebrate skeletons at the department of biology and environmental studies. The display would be enriched by *Talpa europea*, *apodemus sylvaticus*, *rattus rattus*, *alectoris rufa* and skulls of *octodon degus*.

In this work there are described ways how to prepare taxidermy and bone preparation is described from the beginning of collecting vertebrates, then methods of preparation (maceration, hot water maceration, dermestidae beetles and more) including degreasing and bleaching and final treatment not to get it damaged by insect.

This work is completed by survey. There are involved teachers of biology at elementary schools. The idea of questionnaire was to find out what's equipment like and how often do teachers use nature products to enrich the lessons.

Key words – taxidermy, osteological preparation, birds, mammals