

ABSTRACT

The diploma thesis deals with synanthropic animals occurring in the home and school environment in the summer and autumn months and their use in teaching. It is divided in two main parts. The first half of the work describes in details already discovered synanthropic animal species during summer (June, July 2021) and autumn (October, November 2021) collecting in the buildings of Grammar school Teplice in the centre of Teplice, also in a family house and it's surroundings in the suburbs of Teplice.

The overall results of the survey of both places showed a number of identical animals (eg *Tegenaria domestica*, *Steatoda grossa* or *Musca domestica*). The discovery of *Scutigera coleoptrata* and a large amount of *Cheiracanthium mildei* in the family house became a surprise. On the contrary, the occurrence of *Columba livia* on the school grounds and *Pholcus phalangioides* directly inside the school was expected.

The second part of the diploma thesis describes and evaluates the results of tested students in the Teplice Grammar School. The testing served to find out students' knowledge of the topic of synanthropic animals. The results showed only partial knowledge of the topic, which needs to be further improved and developed by the students. Based on the results of testing, a six-hour seminar (divided into three weeks) is created for high school students in order to expand their knowledge of synanthropy not only in the Czech Republic but also all over the world.

Part of the work are also prepared presentations for the implementation of the seminar (in the attachment) or a chapter focused on the definition of the most important terms at the topic of synanthropism.

KEYWORDS

Coexistence with human, Teplice Grammar School, synanthropic invertebrates, synanthropic vertebrates, spiders, student testing, three-week seminar on synanthropic animals