

ABSTRACT

This diploma thesis is focused on invertebrates' survival and activity during winter; and on methods of their capture. The first part of the theoretical section describes principles of cold hardiness, strategies of winter survival and activity in snow environment. Furthermore, different methods of invertebrates capturing are presented. The practical part of the thesis is focused on the verification of selected invertebrates capturing methods during winter. The results summarize the differences in the diversity and quantity of animals caught; and provide an overview and characteristics of selected captured taxa. Suggestions for a snow fauna excursion and a practical exercise focused on capturing invertebrates during winter are proposed based on the results of the study.

KEYWORDS

cold hardiness, winter survival, winter activity, snow fauna, invertebrate animals, catching methods, pitfall traps