

## **Abstract:**

Results of a survey of the lepidopteran fauna of the Hořovice region (Beroun District, Central Bohemia) carried out in the years 1982-2009 are presented. 49 localities were explored altogether, emphasis was given on the cadastre of Hořovice town (grid mapping code 6149) and Kleštěnice village (grid mapping code 6249). Most of the studied area is strongly influenced by industrial and agricultural use; large forests of the Křivoklátsko area and the Brdy highlands reach only marginally there.

The three main goals of the rigorous theses are as follows:

- 1) to map distribution of all species of butterflies and moths of group so-called Macrolepidoptera (Lepidoptera: Macrolepidoptera) that belong to the fauna of the Hořovice region;
- 2) site class assessment on the basis of results of a survey of the lepidopteran fauna;
- 3) Lepidoptera in the pedagogical process.

Altogether, 493 species in 16 families of Macrolepidoptera have been found (41% of the macrolepidopteran fauna of the Czech Republic). Relatively most species have been recorded in the families *Drepanidae*, *Sphingidae*, *Lasiocampidae* and *Notodontidae*.

Rare and otherwise remarkable species are commented.