

## **Abstract – Paleoenvironmental significance of ice and frost wedges**

This bachelor thesis deal with frost wedge and ice wedge pseudomorphs. At first part is summarized how and from are pseudomorphs formed. Therefore there is describe distribution and structure of permafrost, frost cracking, definition of ice wedges, their kinds and their transformation to pseudomorphs.

Next part of this bachelor thesis describes morfological characteristic of polygons of frost wedge pseudomorphs at study area Šaratice. This polygons were compared with european pseudomorphs a then was deduced paleoclimatical and paleoenvirometal reconstruction of their formation. Pseudomorphs are compared from their morphological characteristics too.

**Keywords:** ice wedges, frost wedges, pseudomorphs of wedges