

The thesis deals with classification of foraminifera and development of foraminifera systematics in time. It also provides an complex overview of foraminifera biology, which includes cell biology, feeding, growth and life cycle of foraminifera. Next chapter describes morphological characteristics of foraminiferal test as the most important feature for taxonomy in paleontology. The following part presents basic factors and aspects of ecology. Practical part describes micropaleontological analysis of borehole Hrušovany located in SE part of the Central Paratethys. The foraminiferal assemblage allowed correlation with the Early Badenian (Langhian) and reconstruct paleoenvironment in this part of basin.

Key words: foraminifera, taxonomy, Central Paratethys, Langhian, paleoecology