

## **ABSTRACT**

This bachelors thesis is concerned with the technology of non-ferrous metal processing and their alloys in Roman era. Describes centres of mining in the area of Roman provinces Noricum and Pannonia as well as production of brooches in these provinces. Main goals are to review and appreciate technology and partly typology of a Roman provincial set of brooches from collection of Institute of Classical Archaeology of Charles University in Prague utilizing non-destructive analytical methods and to create a reference file based on results of the analysis and assessment of effectiveness of methods used with regard to possible future research. Elemental composition of given brooches was established using energy-dispersive spectroscopy (EDS), electron microscopy (SEM) and radiography (RTG). Results as well as interpretation are presented as catalogue.

Key words:

Roman archaeology, brooches, roman technology, metallurgy